

DIVISION 1 – GENERAL REQUIREMENTS
SECTION 01 50 00 – CONSTRUCTION FACILITIES AND TEMPORARY CONTROLS

PART 1 – GENERAL

1.01 SCOPE

This section includes the provision of certain temporary facilities and controls (as specified throughout this Section) at the site or sites of the Work until the project is complete, and the Project facilities are placed under the operations of the Cooperative's personnel.

1.02 REGULATORY REQUIREMENTS

- A. Comply with all applicable laws and regulations of authorities having jurisdiction, including, but not limited to, building codes, health and safety regulations, utility company regulations, and environmental protection regulations.
- B. Electric Service: Comply with NECA, NEMA, and UL standards and regulations for temporary electric service. Install service to comply with NFPA 70.

1.03 TEMPORARY SERVICES AND FACILITIES

- A. Contractor at his option may furnish, install, and pay for his field office(s), facilities within their field office(s), and storage facilities, and shall be responsible for removing these facilities upon completion of the Work. Contractor shall be responsible for coordinating and establishing the locations of these field offices and storage facilities.
- B. Facilities shall include, but not be limited to, temporary heat, temporary electric, ventilation, water service, sanitary facilities, barriers, parking, security, pedestrian control, and maintenance and protection of traffic.
- C. General Requirements: The Contractor is solely responsible for temporary facilities and controls removal and restoration of the affected area when the temporary facilities and controls are no longer needed or required.
- D. Temporary Heat and Ventilation; New Structures: Provide temporary heat and ventilation as required to maintain adequate environmental conditions to facilitate the progress of the work and as stated in these Specifications:
 - 1. Select heater units and fuels for temporary heat that will not damage permanent finishes, materials, and equipment including equipment finishes. Heater units emitting products of combustion into interior structure spaces may void guarantees on certain finishes, material, and equipment.
 - 2. Provide adequate forced ventilation of interior and enclosed areas for curing of installed materials, to disperse humidity, and to prevent hazardous accumulations of dust, fumes, vapors, or gases.
- E. Temporary Heat and Ventilation; Existing Structures: The existing heating and ventilating equipment within existing structures may be used during the construction period where possible. However, space temperature limits shall not exceed limits set by Owner.

1. Should the work require higher temperatures or ventilations than can be provided by existing equipment, provide such additional equipment as necessary.
- F. Temporary Heat; Exterior Locations: When ambient temperatures require temporary heat for performance of work in exterior locations, provide, maintain and operate a sufficient number of approved portable heaters so the progress of the work is not impeded. If necessary, erect temporary enclosures so as to contain the heat in the work area.
- G. Temporary Water Supply: Provide an adequate supply of uncontaminated (but not necessarily potable) water as may be needed for the execution of the work.
 1. Potable (Drinking) Water: Provide an adequate quantity of potable drinking water for the exclusive use of the workmen.
- H. Temporary Electrical Power and Lighting: Provide and maintain a temporary electrical power and lighting system when needed for the performance of the work.
- I. Temporary Sanitary Facilities: Provide and maintain as required by local laws, temporary toilet facilities for the workmen on the Project. Sanitary facilities shall conform to OSHA requirement.

1.04 TEMPORARY CONTROLS AND PROTECTION

- A. Controls shall include dust control, sediment and erosion control, storm water control, flood prevention, wastewater, traffic control, temporary fencing/security and progress cleaning.
- B. Maintenance and Protection of Traffic
 1. The Contractor will endeavor to minimize disturbance to the local residents.
 2. The Contractor shall provide any necessary flagman, signs, lights, barriers, etc. for traffic control.
- C. Storm Water Control
 1. Contractor shall be responsible for all Sediment and Erosion Control measures and procedures.
 2. Maintain flow of site storm water. Grade site to drain. Maintain excavations free of water. Provide, operate and maintain pumping facility.
 3. Protect site from puddling or running water. Contractor shall be responsible for flood damages to the Work. All flood damages shall be repaired to the satisfaction of the Engineer.
- D. Temporary Wastewater Flow Control: During the performance of the connection work of the sewer extension to the existing wastewater collection system, maintain continued wastewater service and flow where the connection work is being performed.

1. Bypass Pumping: Maintain continued wastewater flow by bypass pumping or other suitable means of wastewater bypassing. In either case, the bypassing shall be through a properly sized and fail-safe means.
 - a. Ensure that the temporary bypass pumping equipment is properly maintained and that a responsible operator is on-site while the pumping system is in operation.
 - b. Particular attention is directed to temporary wastewater control in regards to the maintenance of flow in existing sewer service connections during removal and replacement of the sewer main.
 2. Unlawful Sewage Discharges: The Contractor is hereby made aware that it is unlawful to permit wastewater (sewage) flow from existing sewers to discharge into nearby waterways or to flow on surface areas. Furthermore, should an accidental discharge occur, immediately notify the proper regulatory agency.
 3. Penalties: Fines and related costs resulting from failure to provide adequate protection against wastewater overflow are the obligation of the Contractor.
- E. Contractor assumes responsibility for damages to property caused by flooding due to blocking or restriction of storm water passages, natural waterways, and wastewater facilities.
- F. Temporary Fencing / Security
1. At Contractor's option, contractor area may be temporarily fenced.

PART 2 – PRODUCTS

2.01 MATERIALS, EQUIPMENT, FURNISHINGS

- A. Materials, equipment, and furnishings: Serviceable, new or used, adequate for required purpose.

PART 3 – EXECUTION

3.01 SITE ACCESS

- A. Contractor is responsible for establishing access to the site of his work.

3.02 PREPARATION

- A. Fill and grade sites for temporary structures to provide drainage away from building(s).

3.03 MAINTENANCE AND CLEANING

- A. Provide weekly janitorial services for sanitary facilities.

- B. Maintain approach walks, drives, and parking areas free of mud, water, and snow.

3.04 REMOVAL

- A. Clean and repair damage caused by installation or use of temporary work.
- B. Restore existing facilities used during construction to original condition. Restore permanent facilities used during construction to specified condition.

END OF SECTION