

SECTION 01500

TEMPORARY FACILITIES AND CONTROLS

PART 1.00 – GENERAL

1.00 DESCRIPTION

A. Related Work Described Elsewhere:

1. Summary of Work – Section 01010
2. Measurement and Payment – Section 01150
3. Materials and Equipment – Section 01600

1.02 TEMPORARY UTILITIES

A. Light, Electricity and Telephone:

Furnish and install all necessary temporary water piping and wiring required to facilitate performance and completion of the work and remove all such temporary piping and wiring upon completion of the work. Pay all costs for providing and removing temporary utilities.

B. Sanitary Facilities

1. Furnish and install sanitary conveniences for the use of all persons employed on the work, properly screened from public observation. Provide facilities in sufficient numbers in such manner and at such points as shall be approved. The contents shall be removed and disposed of in a satisfactory manner as the occasion requires. The CONTRACTOR shall vigorously prohibit the committance of nuisances within, on, or about the work. Any employees found violating these provisions shall be discharged and not again employed on the work without written consent of the CITY.
2. The CONTRACTOR shall supply sufficient drinking water from approved sources to all of their employees.
3. The sanitary conveniences specified above shall be the obligation and responsibility of the CONTRACTOR until the completion of the work. The facilities shall be made available to all subcontractors and their employees.

C. Water for Construction Purposes:

1. The express approval of the Water Superintendent shall be obtained before water is used. Hydrant meter shall be obtained from the Water Department prior to Hydrant operation. Hydrants shall only be operated under the supervision of Water Department personnel.

1.03 GUARDRAIL AND BARRICADES

- A. All open excavations shall be adequately safeguarded by providing temporary barricades, caution and advanced warning signs, lights and other means to prevent accidents to persons and damage to property. The CONTRACTOR shall, at their own expense, provide suitable and safe bridges and other crossings for accommodating travel by pedestrians and workmen. Bridges provided for access to private property during construction shall be removed when no longer required. The length of open trenches shall be controlled by the particular surrounding conditions, but shall always be confined to limits prescribed by the CITY. If the CONTRACTOR's operations caused a hazard, or excessively restricts traffic or result in extreme caving of trench walls and pavement loss, the CITY may require special construction procedures such as limiting the length of the open trench, use of large or multiple trench boxes or sheeting, prohibiting placement of excavated material in the street and requiring that the trench shall not remain open overnight, or other safety measures satisfactory to the CITY.
- B. The CONTRACTOR shall take precautions to prevent injury to the public due to open trenches. All trenches, excavated material, equipment, or other obstacles which could be dangerous to the public shall be well lighted at night.
- C. The CONTRACTOR shall not open or excavate any street, way, or public or private place until contact has been made with all utilities to locate any existing underground gas, water, telephone, power or other installations. When gas or other flammable service to buildings is disconnected, the existing service line for such service shall be terminated at a point outside the building

1.04 PROTECTION OF WORK AND PROPERTY

- A. The CONTRACTOR shall be responsible for the preservation of all public and private property, and shall use every precaution necessary to prevent damage thereto. If any direct or indirect damage is done to public or private property by or on account of any act of, omission, neglect, or misconduct in the execution of the work on the part of the

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CONTRACTOR, the CONTRACTOR shall restore said damage, at their expense, to a condition similar or equal to that existing before the damage was done and at least meeting the Specifications contained herein.

- B. All sidewalks, driveways and curbing which are disturbed by the CONTRACTOR's operations shall be restored to their original condition by the use of similar or comparable materials and constructed according to the Specifications contained herein.
- C. Along the location of this work all fences, mail boxes, walks, bushes, trees, shrubbery and other physical features shall be protected and restored in a thoroughly workmanlike manner. Fences and other features removed by the CONTRACTOR shall be replaced in their original location. All grass areas beyond the limits of construction which have been damaged by the CONTRACTOR shall be regraded and seeded.
- D. The protection, removal and replacement of existing physical features along the line of work shall be a part of the work under the contract, and all costs in connection therewith shall be included in the unit and/or lump sum prices established under the Items in the proposal.

1.05 PROTECTION OF EXISTING STRUCTURES AND UTILITIES

- A. The CONTRACTOR shall assume responsibility for the protection of all buildings, structures and utilities, public or private, including poles, signs, services to buildings, water pipes, hydrants, sewers, drains and electric and telephone cables, whether or not they are shown on the drawings. The CONTRACTOR shall carefully support and protect all such structures and utilities from injury of any kind. Any damage resulting from the CONTRACTOR's operations shall be repaired by him at his expense.
- B. Protection and temporary removal and replacement of existing utilities and structures as described in this Section shall be a part of the work under this contract and all costs in connection therewith shall be included in the price established in the proposal.
- C. New pipelines shall be located substantially as indicated on the drawings, but the CITY reserves the right to make such modifications in locations as may be found desirable to avoid interference with existing structures or for other reasons. Where fittings are noted on the drawings, such notation is for the CONTRACTOR's convenience and does not relieve him from laying and jointing different or additional items where required.
- D. The CONTRACTOR, however, shall bear full responsibility for obtaining all locations of underground structures and utilities (including existing water services, drain lines and sewers). Services to buildings shall be

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maintained and any costs or charges resulting from damage thereto shall be paid for by the CONTRACTOR.

- E. If, in the opinion of the City, permanent relocation of the utility owned by the City is required, the CITY may direct the CONTRACTOR in writing, to perform the work. Work so ordered will be paid for at the Contract unit prices, if applicable, or as extra work under Article 41 of the General Conditions. If relocation of a privately owned utility is required, the CITY will notify the utility to perform the work as expeditiously as possible. The CONTRACTOR shall fully cooperate with the CITY and utility, and shall have no claim for delay due to such relocation. The CONTRACTOR shall notify public utility companies in writing at least 48 hours (excluding Saturdays, Sundays and legal holidays) before excavating in any public way.

1.06 MAINTENANCE OF FLOW

The CONTRACTOR shall at their own cost, provide for the flow of sewers, drains and water courses interrupted during the progress of the work, and shall immediately cart away and remove all offensive matter. The entire procedure of maintaining existing flow shall be fully discussed with the CITY well in advance of the interruption of the flow.

1.07 EROSION CONTROL

The CONTRACTOR shall take all necessary precautions to prevent and control erosion and to construct sediment basins, diversion ditches or such other construction to satisfactorily accommodate runoff from any area subject to erosion during the construction of this project. All such precautionary measures including but not necessarily limited to construction of sediment basins, diversion ditches, benches and berms or laying fiber matting on slopes until vegetation is established, shall be at no extra cost to the CITY. The CONTRACTOR shall also comply with erosion control measures as dictated by the Rhode Island Dept. of Environmental Management Division of Freshwater Wetland.

1.08 DUST CONTROL

The CONTRACTOR shall take all necessary precautions at all times to prevent and control dust. In addition, daily dust control shall be performed as directed by the CITY to control dust at the close of workday operations. Specifically, all traveled ways shall be swept thoroughly, and calcium chloride spread to prevent dust from being a nuisance to the general public.

1.09 DETOURS

- A. Unless permission to close the street is received in writing from the proper authority, all excavated material shall be placed so that proper vehicular and pedestrian traffic may be maintained at all times. If the CONTRACTOR's operations cause traffic hazards, they shall repair the road surface, provide temporary ways, erect wheel guards or fences, or take other measures for safety satisfactory to the CITY.
- B. The local Fire Department and Police Department shall be notified in advance of any and all detours being implemented.
- C. Detours around construction shall be subject to the approval of the CITY. Where detours are permitted the CONTRACTOR shall provide all necessary barricades, signs and warning devices as required to divert the flow of traffic. While traffic is detoured the CONTRACTOR shall expedite construction operations and periods when traffic is being detoured shall be strictly controlled by the CITY.

END OF SECTION