

Part 1 General

1.1 SUBMITTALS

- .1 Provide submittals in accordance with Section 01 33 00 – Submittal Procedures.
- .2 Submittals to include but are not limited to:
 - .1 Site plan as described in Part 1.2.
 - .2 Crane data and a hoisting plan as described in Part 1.4.

1.2 INSTALLATION AND REMOVAL

- .1 Prepare and submit Site plan indicating proposed location and dimensions of area to be fenced and used by Contractor, number of trailers to be used, avenues of ingress/egress to fenced area, and details of fence installation.
 - .1 Identify any areas which have to be gravelled to prevent tracking of mud.
 - .2 Indicate use of supplemental or other staging area.
- .2 Provide construction facilities in order to execute the Work expeditiously.
- .3 Remove from Site all construction facilities after use.
- .4 Restore grassed areas damaged from construction activities.

1.3 SCAFFOLDING AND TEMPORARY PLATFORMS

- .1 Scaffolding in accordance with:
 - .1 CAN/CSA-S269.2 – Access Scaffolding for Construction Purposes
 - .2 C.C.S.M.c W210 – Manitoba, The Workplace Safety and Health Act
- .2 Provide and maintain scaffolding, platforms, and ladders.

1.4 CRANING

- .1 Provide, operate, and maintain cranes as required for moving of materials and equipment.
- .2 Cranes to be operated by a qualified operator.
- .3 Crane movement and setup on the Site is subject to the Contract Administrator's approval based on pipe loading assessment.
- .4 Submit the crane data and a hoisting plan in accordance with Section 01 33 00 – Submittal Procedures.

1.5 SITE STORAGE/LOADING

- .1 Confine Work and operations of employees to the scope of the Contract. Do not unreasonably encumber premises with products.

- .2 Do not load or permit to load any part of Work with weight or force that will endanger Work.
- .3 All construction materials shall be stored at designated storage areas. Stored combustible materials shall be separated by clear space to prevent fire spread and allow access for manual fire fighting equipment, including fire hoses, extinguishers, hydrants, etc.
- .4 Pressurized dry chemical fire extinguishers of suitable capacity or equally effective extinguishers as per NFPA 10 shall be provided where:
 - .1 Flammable liquids are stored or handled.
 - .2 Welding or flame cutting is performed.

1.6 CONSTRUCTION PARKING

- .1 Parking will be permitted on the Site provided it does not disrupt performance of the Work or access by the City.
 - .1 Ensure that access and parking for a minimum of one truck is provided adjacent to the pumping station, for use by the City.
- .2 Provide and maintain adequate access to the project Site including fire route access.
- .3 Construction parking must not impede delivery access to the Chlorine Room or access to the Wilkes Reservoir compound gate.

1.7 OFFICES

- .1 Provide a construction office heated to 22 degrees C, lighted 750 lx, and ventilated, of sufficient size to accommodate Site meetings and furnished with drawing laydown table.
 - .1 The City will provide a 208V/1Ph/60Hz power supply.
 - .2 Heating source shall be propane.
- .2 Provide a marked and fully stocked first-aid case in a readily available location.
- .3 Subcontractors to provide their own offices as necessary. Direct location of these offices.
- .4 Supply temporary office facilities for the Contract Administrator on Site, meeting the following requirements:
 - .1 Minimum floor area of 20 square metres, with windows and a door entrance complete with suitable lock satisfactory to the Contract Administrator.
 - .2 Suitable for all-weather use and capable of maintaining a temperature range between 20 and 25 degrees C.
 - .3 Equipped with fluorescent lights and 120 volt ac electrical wall outlets.
 - .4 Furnished with one desk, one filing cabinet, and two chairs, all satisfactory to the Contract Administrator.
 - .5 All of the temporary structures provided by the Contractor for this project shall be stabilized in a sufficient manner to prevent the temporary structure from being overturned by wind forces as defined in the National Building Code (NBC). The stabilization provided shall be designed by a Professional Engineer registered in the Province of Manitoba. Detailed drawings and design notes for the stabilization works bearing the Engineer's seal shall be provided to the Contract Administrator for review.
 - .6 The Contractor shall be responsible for installation, maintenance, removal, operating costs, and service installation costs for the field office as described herein.

1.8 EQUIPMENT, TOOL, AND MATERIALS STORAGE

- .1 Provide and maintain, in clean and orderly condition, lockable weatherproof sheds for storage of tools, equipment, and materials.
- .2 Locate materials not required to be stored in weatherproof sheds on Site in manner to cause least interference with work activities.

1.9 SANITARY FACILITIES

- .1 The Contractor may use the existing washroom at the Hurst Regional Pumping Station such that it is left clean at the end of each day.

1.10 PROTECTION AND MAINTENANCE OF TRAFFIC ON HURST WAY

- .1 Maintain and protect traffic on Hurst Way throughout Construction.
- .2 If required, provide measures for protection and diversion of traffic, including provision of watch-persons and flag-persons, placing of lights around and in front of equipment and work, and erection and maintenance of adequate warning, danger, and direction signs.
- .3 Verify adequacy of existing roads and allowable load limit on these roads. Contractor shall be responsible for repair of damage to roads caused by construction operations.

1.11 DISPOSAL OF WASTE MATERIALS

- .1 Spoiled and waste materials shall not be dumped, under any circumstances, in any locations other than those approved by the local authorities. Any cost for permits and fees for disposing of waste materials shall be at the Contractor's expense.
- .2 Disposal of all excavated and waste materials shall be in accordance with the requirements of the appropriate provincial regulatory agencies.
- .3 When working anywhere within the Works, the Contractor shall at the end of each day remove the rubbish and leave the Site in a clean and tidy state, to the satisfaction of the Contract Administrator. If this is not done, the City may clean the Site and deduct such costs from the Contract, amount of which will be determined by the Contract Administrator.

1.12 FACILITY ELECTRICAL SUPPLY AND DISTRIBUTION

- .1 If service interruptions are necessary, such interruptions shall be made only at times approved by the Contract Administrator.

1.13 WARNINGS AND TRAFFIC SIGNS

- .1 All Work affecting Site access must be authorized by the Contract Administrator. Provide a minimum of one week notice to the Contract Administrator when Work will affect Site access.

- .2 When Work is performed within public areas, provide and erect adequate warning signs as necessary to give proper warning. Place signs sufficiently in advance to enable public to respond to directions.
- .3 Provide and maintain signs and other devices required to indicate construction activities or other temporary or unusual conditions resulting from the Work.

Part 2 Products

2.1 NOT USED

- .1 Not Used.

Part 3 Execution

3.1 NOT USED

- .1 Not Used.

END OF SECTION