Part 1 General

1.1 REFERENCES

.1 U.S. Environmental Protection Agency (EPA) / Office of Water

.1 EPA 832R92005, Storm Water Management for Construction Activities: Developing Pollution Prevention Plans and Best Management Practices.

1.2 ACTION AND INFORMATIONAL SUBMITTALS

.1 Provide submittals in accordance with Section 01 33 00 - Submittal Procedures.

1.3 INSTALLATION AND REMOVAL

.1 Provide temporary utilities controls in order to execute work expeditiously.

.2 Remove from site all such work after use.

1.4 DEWATERING

.1 Provide temporary drainage and pumping facilities to keep excavations and site free from standing water.

1.5 WATER SUPPLY

.1 Provide continuous supply of potable water for construction use.

.2 Arrange for connection with appropriate utility company and pay costs for installation, maintenance and removal.

.3 Pay for utility charges at prevailing rates.

1.6 TEMPORARY HEATING AND VENTILATION

.1 Provide temporary heating required during construction period, including attendance, maintenance and fuel.

.2 Construction heaters used inside building must be vented to outside or be non-flameless type. Solid fuel salamanders are not permitted.

.3 Temporary heating appliances already in place may be used temporarily until their dismantlement; the contractor is responsible to pay costs for their use.

.4 Provide appropriate atmospheric control (temporary heat and ventilation) in enclosed areas as required to:

.1 Facilitate progress of Work.

.2 Protect Work and products against dampness and cold.

.3 Protect Work against too many variations of temperature and humidity and ensure stability of ambient conditions.

.4 Prevent moisture condensation on surfaces.

.5 Provide ambient temperatures and humidity levels for storage, installation and curing of materials.

.6 Satisfy health regulations requirements for a safe working environment.

.5 Maintain at all times inside the building temperatures of minimum 12 degrees C.

.6 Ventilating:

.1 Prevent accumulations of dust, fumes, mists, vapours or gases in areas occupied during construction.

.2 Provide local exhaust ventilation to prevent harmful accumulation of hazardous substances into atmosphere of occupied areas.

.3 Dispose of exhaust materials in a safe manner and at a location that will not result in harmful exposure to persons.

.4 Ventilate storage spaces containing hazardous or volatile materials.

.5 Ventilate temporary sanitary facilities.

.6 Continue operation of ventilation and exhaust system for time after cessation of work process to assure complete removal of harmful contaminants which could have been generated during the different construction activities.

.7 It is permitted to use the permanent heating system of building, when it is ready to be put into service. If contractor chooses to use it, he has complete responsibility for damages to heating system which may occur during his use, as well as costs of use and maintenance.

.8 Upon completion of Work for which permanent heating system is used, replace filters, and clean the system.

.9 Ensure Date of Substantial Performance and Warranties for heating system do not start until entire system is in as near original condition as possible and is certified by Departmental Representative.

.10 Pay costs for maintaining temporary heat, when using permanent heating system.

.11 Maintain strict supervision of operation of temporary heating and ventilating equipment to:

.1 Conform to applicable codes and standards.

.2 Enforce safe practices.

.3 Prevent abuse of services.

.4 Prevent damage to finishes.

.5 Vent direct-fired combustion units to outside.

.12 Assume full responsibity for damages to Works due to failure in providing adequate heat and protection during construction.

1.7 ELECTRICAL POWER AND LIGHT

.1 The existing building is equipped with a Hydro-Québec electrical supply of three-phase 400 A at 600 V, coming from a transformer on a base installed on the Abraham plains near the south-west part of the yard of the armoury, and connected to the electrical room through an underground concrete encased duct bank crossing the parking on the south side .This electrical supply is used to feed electrical and mechanical equipments for temporary heating installed in the building and used particularly for the preservation of vestiges in place. Ensure the continuity of functioning and maintenance of the heating equipments and assume costs of the related electrical consumption starting at the date of signature of the contract.

.1 The in place electrical installations may be used at current cost rates, by the contractor who will assume costs, for the execution of the construction works. Make the connections to the existing network in accordance with the Canadian Electrical Code.

.2 Payment method: From the day of the contract signature, Hydro-Québec bills for the electrical consumption related to the existing meter will be payed by the Departmental Representative and their amounts will be debited integrally from the monthly progressive payments to the contractor.

.2 If the capacity of the existing power supply is insufficient for the needs of the temporary power supply required for the work site, make application to Hydro-Québec for a new independent power supply and assume all administrative costs and other costs required by Hydro-Québec, as well as costs for installation, maintenance, disconnecting and electrical consumption.

.3 The concrete encased duct bank of the present electrical power supply is planned to be demolished in the project for the construction of exterior landscaping on south side.

.1 Remove electrical cables of the underground concrete encased duct bank when deemed appropriate in regards to progress of works and replace them by bypass Teck cables as needed. Coordinate the cables replacement of the electrical power supply with Hydro-Québec and assume all administrative costs and other costs requested by Hydro-Québec.

.4 Remove all temporary electrical feeding cables at the end of the project.

.5 Provide and maintain temporary lighting throughout the project. Lighting equipment must ensure level of illumination on all floors and stairs of at least 150 lx and 10 lx outside to ensure safety in the enclosure of the site.

.6 Electrical power and lighting systems installed under this Contract may be used for construction requirements only with prior approval of Departmental Representative provided that guarantees are not affected. Make good damage to electrical system caused by use under this Contract. Replace lamps which have been used for more than 3 months.

1.8 TEMPORARY COMMUNICATION FACILITIES

.1 Provide and pay for temporary communication facilities, notably telephone, data (internet access) including hook up, lines and equipment necessary for own use and use of Departmental Representative. Ensure hook up of all installations to the main networks and assume costs of all services.

1.9 FIRE PROTECTION

.1 Provide and maintain temporary fire protection equipment during performance of Work required by governing codes, regulations and bylaws.

.2 Burning rubbish and construction waste materials is not permitted on site.

Part 2 Products

2.1 NOT USED

.1 Not Used.

Part 3 Execution

3.1 NOT USED

.2 Not Used

END OF SECTION