PART 1 - GENERAL

1.1. GENERAL INSTRUCTIONS

1.1.1. Read and conform to the Contract Documents including Division 1 requirements and documents referred to in this section.

1.2. TEMPORARY UTILITIES

1.2.1. Temporary Protection: Provide and maintain following temporary protection at all times:

1.2.1.1. Window Openings: Translucent, weatherproof protection until windows and glazing are installed.

1.2.1.2. Door Openings: Minimum wood doors, frames, hinges, locks and bolts to exterior and interior to existing areas.

1.2.1.3. Air Intakes: Provide protection against infiltration of dirt, dust and other deleterious matter.

1.2.1.4. Temporary Dust Tight Partitions: Separate areas of work from occupied portions of building with temporary dust tight partitions constructed from floor to underside of structure. Construct temporary dust tight partitions as fire separations having a fire resistance rating of 1 hour consisting of 16 mm (5/8") gypsum board, both sides on steel stud partition conforming to ULC Design No. W407 and to ULC Design No. W408. Paint public sides of partitions with minimum 2 coats of low VOC paint in colours selected by the Consultant. Seal edges and joints to achieve positive protection. Provide lockable door(s) in temporary dust tight partition(s) where indicated on Drawings and extra key to the Consultant. Remove temporary dust tight partitions promptly when no longer required and Make Good adjacent surfaces. Hoarding/temporary dust tight partitions are to remain in-place unless noted otherwise.

1.2.1.5. Provide temporary dust tight partitions beyond those shown on Drawings where risk of falling objects exist, to protect the public and the Owner's personnel.

1.2.2. Temporary Fire Protection:

1.2.2.1. Provide and maintain sufficient temporary standpipes and connections, fire hose, valves, temporary cabinets and extinguishers, to comply with requirements of the governing Municipal and Provincial Authorities to satisfaction of the Consultant and local fire department and insurance Authorities in order to protect the property of the Owner against fire hazards during construction.

1.2.2.2. Adjust and modify temporary fire protection facilities to accommodate progress of the Work.

1.2.2.3. Bulk storage of flammable liquids and other hazardous materials is not allowed on the Site.

1.2.2.4. Bringing in, use and disposal of gasoline, benzine or other flammable materials must be handled with good and safe practice as required by Authorities Having Jurisdictions.

1.2.2.5. Maintain temporary fire protection systems in operation 24 hours a Day.

1.2.2.6. Provide and maintain temporary access routes to exits, clear and visibly identified, 24 hours a Day.

1.2.2.7. Take necessary precautions to eliminate fire hazards and to prevent damage to Work, building materials, equipment and other property, both public and private, having to do with the Work. Inspect Work of this Contract at least once a week for this purpose.

1.2.2.8. In areas of existing building being renovated and adjacent areas where affected by construction activities, make necessary adjustments and modifications to temporary fire protection as required during progress of the Work, removing such temporary modifications when the permanent system is installed and operating. Maintain all existing fire exits at all times.

1.2.2.9. Provide fire protection to satisfaction of the Consultant, to Authorities Having Jurisdiction and to insurance Authorities stipulated by Owner. Maintain in operation 24 hours a Day.

1.2.2.10. Provide and maintain free access from street to fire hydrants and to outside connections for standpipes or other fire extinguishing equipment, permanent or temporary; and maintain free access to control valves and hoses on fire lines within building and to all portable fire extinguishers. Ensure devices are visibly identified 24 hours a Day.

1.2.2.11. Provide and maintain in working order, suitable Underwriters' Laboratories of Canada labelled fire extinguishers and locate in prominent positions, to approval of Authorities Having Jurisdiction. Such extinguishers remain property of the Contractor. Remove from building at date of Substantial Performance of the Work.

1.2.2.12. Store and locate materials and equipment packed in cardboard cartons, wood crates and other combustible containers in orderly and accessible manner. Place approved types of fire fighting equipment in vicinity of materials or equipment packed in this type of crate or carton until permanent fire protection and equipment are available.

1.2.2.13. Store rags and waste containing oil, grease or other flammable materials in an approved metal container and remove from Site at end of each Working Day.

1.2.2.14. Only fire-resistant tarpaulins are permitted on Site.

1.2.2.15. Provide temporary standpipes as Work proceeds in accordance with the regulations under the *Occupational Health and Safety Act*, R.S.O. 1990, c. O.1, as amended.

1.2.2.16. In eliminating fire risks, or effectively controlling Site activities to minimize fire risk, observe following precautions as a minimum:

1.2.2.16.1. Prior to commencing Work in any area, ensure workers are acquainted with the location of all fire-fighting apparatus and are familiar with its proper use and apparatus is in good working order.

1.2.2.16.2. Stop all Work immediately when any deficiencies in fire protection are encountered after Work commences. Remedy all such deficiencies before resuming any other Work.

1.2.2.17. Notify the Newmarket Fire Department and the Consultant immediately should a fire of any nature occur whether the fire has been extinguished or not. Notify the Newmarket Fire Department and the Consultant of any fire alarm shutdowns; notify once fire alarm has been recertified and operational.

1.2.2.18. If the Contractor is the cause of a false alarm, it may be required to reimburse the Owner for any charges from the Newmarket Fire Department resulting from the false alarm.

1.2.2.19. Establish a logbook maintained by the Contractor which records all activity affecting the Owner's fire alarm system. The log book shall record the date, time, trade, worker's name, nature and location of Work performed, zone or zones affected, status of the system while Work was performed, time and date of completion of the operation, and status of the system upon completion of the Work. At the end of each Working Day, the Contractor shall review the log and sign indicating system is fully operational, except as recorded by the log. Inform the Owner of system status and which zones may be affected daily prior to the commencement of any new operation that affects the fire alarm system.

1.3. CONSTRUCTION FACILITIES

1.3.1. Contractor's Field Offices and Sheds:

1.3.1.1. Provide the Contractor's field offices and storage sheds within the Place of the Work only. Provide offices and sheds, properly painted and maintained.

1.3.1.2. Provide following field office facilities:

1.3.1.2.1. A room to accommodate [15] persons for Site conference and job meetings, heated and air conditioned to maintain a temperature of 21 deg C (70 deg F) +/-2 deg C (4 deg F).

1.3.1.2.2. Telephone services for the Contractor's own use.

1.3.1.2.3. "No Smoking" signs.

1.3.1.2.4. Provide proper flammable and explosive materials storage.

1.3.1.3. Floor Area: Minimum [250] sq. ft.

1.3.1.4. Facilities:

1.3.1.4.1. one desk (900 mm x 1500 mm (3' x 5') minimum).

1.3.1.4.2. one desk lamp (incandescent).

1.3.1.4.3. one smartphone.

1.3.1.4.4. three chairs.

1.3.1.4.5. one table and lamp.

1.3.1.4.6. one full-length, counter-height plan table with 3 plan drawers and storage under.

1.3.1.4.7. two tall stools.

1.3.1.4.8. one openable window to the outside (minimum 600 mm x 900 mm (2' x 3')).

1.3.1.5. Services:

1.3.1.5.1. electrical (minimum 3 receptacles).

1.3.1.5.2. lighting.

1.3.1.5.3. air conditioning.

1.3.2. Sanitary Facilities:

1.3.2.1. Existing toilet facilities may be used as directed provided they are kept clean and serviced. Repair damage to existing toilet facilities and clean before completion of the Work.

1.3.2.2. The Owner may back charge the Contractor for additional cleaning of facilities if not kept clean.

1.3.3. Garbage Removal: Do not use institutional garbage bin facilities for removal of construction rubbish and debris. Provide garbage bins and schedule pick up of garbage. Coordinate location of garbage bins with Consultant. Conform to the Consultant’s requirements. Repair damage to Site surface upon removal of garbage.

1.4. CONSTRUCTION AIDS

1.4.1. Scaffolding: Erect fixed or mobile scaffolding as applicable independent of walls. Use it in manner as to interfere as little as possible with other sections. When not in use, move it as necessary to permit installation of other work. Construct and maintain scaffolding in rigid, secure and safe manner. Remove it promptly when no longer required, and if required for longer than a Day, remove it at the end of each Day and store in secure place as directed.

1.5. VEHICULAR ACCESS AND PARKING

1.5.1. Parking for the Contractor's vehicles shall be arranged with the Consultant. The Owner will not be responsible for parking fines incurred by the Contractor, Subcontractors or their employees.

1.5.2. Do not be nuisance to public traffic any time. Manage construction traffic by using designated roads and by providing trained flag persons to direct public traffic as appropriate.

1.5.3. Existing Parking Facilities: .Parking is available to construction personnel. Arrangements must be made with Owner regarding the location of parking to be provided.

1.6. TEMPORARY CONTROLS

1.6.1. Pollution Control: Take appropriate dust control measures to avoid contamination of adjacent areas near Site from dust. Respond immediately to complaints of dust received from public, Authorities, or the Consultant. Keep public and private roads free of dust, mud and construction debris resulting from trucks employed on this project.

1.6.2. Noise and Vibration Control: Control noise and vibration generated by the Work. Respond immediately to complaints of noise and vibration received from public, Authorities or Consultant.

END OF SECTION