

Part 1 General

1.1 RESPONSIBILITY

- .1 The Contractor shall be considered responsible for the health, safety and security requirement on site.
- .2 Temporary facilities and site controls shall conform to provincial and municipal laws and regulations as well as to Departmental Representative requirements with respect to health and safety requirements.

1.2 REFERENCES

- .1 CSA S269 - 1 - 1975 (R2003) - False – work for Construction purposes;
- .2 CSA S350 – M 1980 – Code of Practice for Safety in Demolition of Structures;
- .3 “Recommended Work Practices for Pipe” of ACPPA;
- .4 WHMIS Requirements;
- .5 FCC NO.301 - 1982 - Standard for Construction Operations;
- .6 Labour Canada Requirements.
- .7 National Building Code, latest edition in force, safety measures in demolition and construction work;
- .8 Provincial and Municipal safety requirements;
- .9 Departmental Representative’s Safety Requirements;

1.3 GENERALITIES

- .1 The Contractor shall include in his scope of work the construction facilities and temporary controls as required for the accomplishment of the entire project, including the preparation of the areas designated for installations and relocations. Provide as required all services, materials and installations to meet the construction needs as the project progresses. Maintain construction and temporary facilities during use, relocate as required, and remove after work is complete. Make good all affected areas and adjacent properties.
- .2 The Contractor shall also provide construction of temporary facilities required for construction safety, such as: bracing, support, storage, sanitation and first aid facilities, fire protection, electrical supply, ladders, scaffolds, temporary flooring, rubbish chutes, walkways, lighting, all as required by existing regulations of jurisdictional authorities and prescribed in other sections of the Contract Documents.
- .3 Provide proof of conformity of all construction facilities and temporary controls to all applicable norms and regulations.
- .4 Construct temporary work of new materials unless use of second hand materials is approved.
- .5 Ensure that structural, mechanical, and electrical characteristics of temporary facilities are suitable and adequate for intended use. Be responsible that no harm is caused

to persons and property by failure of temporary facilities because of inadequate installation, location, stability, protection, structural sufficiency, removal, or any other cause.

1.4 ACCESS

- .1 Provide and maintain adequate access to project site. Obtain and confirm Departmental Representative's consent.
- .2 If authorized to use existing roads for access to project site, maintain such roads for the duration of Contract and make good all damages resulting from Contractor's use of roads.

1.5 PARKING

- .1 Agree with the Departmental Representative as to parking arrangements.
- .2 Make good any areas affected by parking and restore them to their original state.

1.6 TEMPORARY SERVICES

- .1 Fire protection
 - .1 Maintain and provide for fire protection equipment as required by applicable building codes and applicable regulations.
- .2 Heating and ventilation
 - .1 Provide and maintain temporary heating and ventilation during construction, and assume all related costs.
- .3 Ventilation
 - .1 Adopt required means of temporary ventilation:
 - .1 To prohibit the accumulation of dust, smoke, vapor and gases in occupied existing areas;
 - .2 To avoid the accumulation of toxic gases and vapors in work sectors;
 - .3 Ventilate temporary sanitary facilities.
 - .2 Also refer to mechanical drawings and specifications.

1.7 DUST-TIGHT SCREENS

- .1 Provide dust tight screens vertically to localize dust generating activities, and for the protection of workers, Resident's operations and work areas.
- .2 Maintain and relocate protection until such work is complete.

1.8 CONSTRUCTION AIDS

- .1 The General Contractor shall be responsible for the supply, erection and safe maintenance of all necessary facilities such as scaffolding, hoists, ramps, stairs, ladders, and the like for the proper execution of the works and for the use of all trades.
- .2 Design and construct false work in accordance with CSA S269.1 - 1975 latest edition.
- .3 The General Contractor remains the sole responsible for the adequacy of all construction aids and shall maintain safety on site.

1.9 CONSTRUCTION SAFETY MEASURES

- .1 Observe construction safety measures of the National Building Code, Federal Government, municipal authorities and Departmental Representative's Safety Guidelines. In any case of conflict or discrepancy the more stringent requirements shall apply.
- .2 Keep adequate first-aid supplies on the job as required by law.

1.10 PROTECTION OF WORK, PROPERTY AND PEOPLE

- .1 Include in work all necessary methods, materials and construction to ensure that no damage or harm to new or existing works, materials, equipment, fixtures, property and people results from work of this Contract, during demolition, execution or close-down. Repair such damage, when it occurs.
- .2 Prevent debris from blocking or damaging drainage, sanitary, mechanical, or electrical systems, which must remain in full operation to serve other parts of the building.
- .3 Protect, and if damaged make good, adjacent private and public property.
- .4 Be liable for injury caused by demolition or execution of works.
- .5 Keep surfaces, on which finish materials will be applied, free from grease, oil, and other contaminants, which would be detrimental to the application of finish materials.
- .6 Protect finished surfaces of completed work from damage by restricting access or by the use of physical means suitable to the material and surface location. Establish with each Sub-contractor the suitability of such protection in each case.
- .7 Protect existing mechanical, electrical, telephone and similar utility services from damage; restore them immediately if such damage occurs during the course of the work.
- .8 Cap off and remove unused utility services encountered during work after approval is given by the Departmental Representative's and the utilities concerned or jurisdictional authorities, whichever may apply. Relocation, removal, protection and capping of existing utility services shall be performed only by the applicable utility service provider and other services by licensed mechanics.
- .9 Prevent spread of dust beyond the construction areas by the erection of dust-tight screens or better-suited protection.
- .10 Provide protection for all new and existing work, materials, equipment, apparatus and fixtures supplied and installed by own workers and/or sub-contractors.
- .11 Protect existing interior spaces below areas of work by locating drop cloths and

hardboard panels as necessary with all joints adequately tape and sealed.

- .12 Protect the Work, materials and equipment, during temporary close-down of the job for any reason.

1.11 SECURITY

- .1 Make sure that doors and hardware for the points of entry as determined by the Departmental Representative for the General Contractor's use function properly. Only these point of entry can be used by the General Contractor.
- .2 Maintain security at all times, during working hours, at night, during weekends and holidays and whenever construction is shut down because of strike, lockout, an accident or act of God. Assume complete responsibility of own tools, equipment and supplies on site.

1.12 FIRE PREVENTION

- .1 It shall be the duty and responsibility of the General Contractor performing any cutting or welding to comply with safety provisions of the National Fire Code pertaining to such work and the General Contractor shall be responsible for all damages resulting from a failure to comply. Obtain a written permission from the Owner for welding and cutting. This permission will be given daily, or per any other specified period.
- .2 All necessary precautions must be taken to eliminate any possible fire hazard. Provide sufficient and adequate fire fighting equipment, in first class order, to protect against any fire emergency in area of construction work.
- .3 Under no circumstances will burning of materials or rubbish on the site be permitted.
- .4 Free access must be maintained at all times to any fire hydrants or firefighting equipment and vehicle or trucks.
- .5 In areas affected by construction activities, the General Contractor shall be responsible to provide adequate and unobstructed passage at all times in case of fire emergency.

1.13 MINIMUM WORK PRACTICE: PRODUCTS CONTAINING ASBESTOS

- .1 No materials containing asbestos shall be utilized on site. However, if the case arises, the Departmental Representative should be notified immediately, and not without in any way guaranteeing their effectiveness as protection against health hazards, the following practices shall apply:
 - .1 When working with materials containing containing asbestos, workers shall wear respirators acceptable to Labour Canada or Territorial Labour Department as suitable for asbestos exposure in the work area. Workers shall also be educated as to risks, and be trained in safe work practices. Power tools shall be equipped with high efficiency particulate air-filtered (HEPA) vacuum equipment.
 - .2 When working in an enclosed area separate the work area from the rest of the project by a barrier capable of preventing the spread of asbestos fibres outside work area.
 - .3 Upon completion of work, clean work areas using wet methods or high efficiency particulate air-filtered vacuum equipment. Remove asbestos-

containing waste in sealed containers having jurisdiction.

- .4 In event of conflict between these requirements and those of Provincial and/or Territorial Governments, Labour Canada, or Health and Welfare Canada, the more stringent requirements shall apply.

1.14 WHMIS

- .1 Comply with requirements of Workplace Hazardous Materials Information System (WHMIS) regarding use, handling, storage, and disposal of hazardous materials; and regarding labeling and provision of material safety data sheets acceptable to Labour Canada and Health Canada.
- .2 Deliver copies of WHMIS data sheets to Consultants for all materials (chemicals, sealants, welding materials, paint, concrete additives, fire proofing, etc.) prior to commencement of the work. A binder containing all material safety data sheets (MSDS) will be compiled by the Contractor for reference (regarding protective equipment, spills, etc. This binder will be handed to the Owner at the completion of the work. Each sub-contractor must train his employees regarding chemical hazards, precautionary measure and emergency procedures. The Contractor shall ensure that all abide by the safety requirements.

1.15 OWNER'S SAFETY GUIDELINES

- .1 Obtain from Departmental Representative his Safety Guidelines, if applicable. The submission of Safe Work Protocols will be required for specific task as required by the Departmental Representative.

1.16 COLLECTION AND DISPOSAL OF WASTE

- .1 Collect waste daily. Enforce requirements strictly. Handle hazardous, dangerous or unsanitary waste materials separately from other waste by containerizing properly. Dispose in a lawful manner.
- .2 Do not bury rubbish and waste materials on site.
- .3 Do not dispose of waste or volatile materials, such as mineral spirits, oil or paint thinners into water ways, storm or sanitary sewers.

1.17 DRAINAGE

- .1 Prevent blocking and damages caused by debris to the drains and to the sanitary, mechanical and electrical systems.

1.18 REMOVAL OF TEMPORARY FACILITIES

- .1 Promptly remove temporary facilities from the site when work is completed.

Part 2 Products

2.1 NOT USED

PROJECT NUMBER
R.015993.477

TEMPORARY FACILITIES AND CONTROLS

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Part 3 Execution

3.1 NOT USED

END OF SECTION