

Part 1 General

1.1 RELATED SECTIONS

- .1 Waste Management and Disposal: Section 01 74 21.

1.2 DEFINITIONS

- .1 Hazardous Material: Product, substance, or organism that is used for its original purpose; and that is either dangerous goods or a material that may cause adverse impact to the environment or adversely affect health of persons, animals, or plant life when released into the environment.
- .2 Environmental Pollution and Damage: presence of chemical, physical, biological elements or agents which adversely affect human health and welfare; unfavourably alter ecological balances of importance to human life; affect other species of importance to humans; or degrade environment aesthetically, culturally and/or historically.
- .3 Environmental Protection: prevention/control of pollution and habitat or environment disruption during construction.

1.3 FIRES

- .1 Fires and burning of rubbish on site not permitted.

1.4 DISPOSAL OF WASTES

- .1 Do not bury rubbish and waste materials on site. Dispose in accordance with project waste management requirements specified in section 01 74 22.
- .2 Do not dispose of hazardous waste or volatile materials, such as mineral spirits, paints, thinners, oil or fuel into waterways, storm or sanitary sewers or waste landfill sites.
- .3 Dispose of hazardous waste in accordance with applicable federal and provincial laws, regulations, codes and guidelines.

1.5 DRAINAGE

- .1 Provide temporary drainage and pumping as necessary to keep excavations and site free from water.
- .2 Do not pump water containing suspended materials into waterways, sewer or drainage systems.
- .3 Control disposal or runoff of water containing suspended materials or other harmful substances in accordance with governing regulations and requirements.
- .4 Provide control devices such as filter fabrics, sediment traps and settling ponds to control drainage and prevent erosion of adjacent lands. Maintain in good order for duration of work.

1.6 SITE AND PLANT PROTECTION

- .1 Protect trees and plants on site and adjacent properties where indicated.

- .2 Wrap in burlap, trees and shrubs adjacent to construction work, storage areas and trucking lanes, and encase with protective wood framework from grade level to height of 2 m.
- .3 Protect roots of designated trees to dripline during excavation and site grading to prevent disturbance or damage. Avoid unnecessary traffic, dumping and storage of materials over root zones.
- .4 Minimize stripping of topsoil and vegetation.
- .5 Restrict tree removal to areas indicated or designated by Departmental Representative.
- .6 During excavation and grubbing, material will not encroach into areas that are to be left natural and undisturbed.
- .7 Only use clean approved fill for backfilling or grading.
- .8 All reclamation techniques will include the re-vegetation of site with topsoil, local plants, shrubs, and trees approved by Parks Canada.
- .9 Equipment from outside the national historic site to be washed, cleaned, and free of soils prior to arrival.

1.7 WORK ADJACENT TO WATERWAYS

- .1 Do not operate construction equipment in waterways.
- .2 Do not use waterway beds for borrow material without Departmental Representative's approval.
- .3 Do not dump excavated fill, waste material or debris in waterways.
- .4 At borrow sites, design and construct temporary crossings to minimize erosion to waterways in strict conformance with provincial environmental regulations.
- .5 Do not skid logs or construction materials across waterways.
- .6 Avoid indicated spawning beds when constructing temporary crossings of waterways.
- .7 Do not blast under water or 100 m of spawning beds.
- .8 All machinery, including, but not limited to; excavators, bobcats, chainsaws, and generators, to be stored maintained and refuelled on a flat surface at least 100 meters from the ocean and any wetland areas.

1.8 POLLUTION CONTROL

- .1 Maintain temporary erosion and pollution control features installed under this Contract.
- .2 Control emissions from equipment and plant to local authority's emission requirements.
- .3 Prevent sandblasting and other extraneous materials from contaminating air beyond application area, by providing temporary enclosures.

- .4 Cover or wet down dry materials and rubbish to prevent blowing dust and debris. Provide dust control for temporary roads and around entire construction site.
- .5 Have appropriate emergency spill response equipment and rapid clean-up kit on site located adjacent to hazardous materials storage area. Provide personal protective equipment required for clean-up.
- .6 Report, spills of petroleum and other hazardous materials as well as accidents having potential of polluting the environment to Federal and Provincial Department of the Environment.
 - .1 Notify Departmental Representative and submit a written spill report to Departmental Representative within 24 hours of occurrence.
- .7 Chromated Copper Arsenate (CCA) treated wood is not permitted to be used for construction purposes.
- .8 Only minor repairs and maintenance of non-mobile equipment is permitted on site. All other repairs to be undertaken at an appropriate offsite location.

1.9 WILDLIFE PROTECTION

- .1 Do not approach or harass wildlife.
- .2 All wildlife attractants to be secured in wildlife-proof containers, in a secured building or vehicle. Keep food waste separate from construction waste and remove daily. Notify the designated Parks Canada contact immediately should wildlife gain access to attractants.
- .3 Alert the designated Parks Canada contact, immediately to any potential wildlife conflict, distress or mortality. In the case of aggressive behaviour or persistent intrusion, stop work and evacuate the area.
- .4 No vegetation clearing or grubbing to take place between May 1st and August 15th.
- .5 Should nests of migratory birds in wetlands be encountered during work, immediately notify Departmental Representative for directives to be followed.
 - .1 Do not disturb nest site and neighbouring vegetation until nesting is completed.
 - .2 Minimize work immediately adjacent to such areas until nesting is completed.
 - .3 Protect these areas by following recommendations of Canadian Wildlife Service.
- .6 Prior to construction, park staff will complete a survey of all terrestrial habitat to be disturbed during construction to look for residences (dens) of small mammals and nesting sites of birds (including species at risk). If any individuals, residences (dens), and nesting sites are encountered during construction the contractor shall contact Parks Canada. This could result in a delay in scheduling of the construction.
- .7 Should bats be encountered in or around the Visitor Resource Center and washroom facility during demolition/construction activities, immediately notify Departmental Representative for directives to be followed.
 - .1 Stop demolition activities and do not disturb the roost.
 - .2 Do not initiate demolition activities until the bat vacates the premises, which can be up to three (3) weeks.

- .3 Decisions regarding shut-down times and work returns, as it relates to the discovery of bats in or around the Visitor Resource Centre and washroom facility, will be at the discretion of the Departmental Representative.
- .4 There will be no additional cost to Parks Canada for downtime associated with the discovery of endangered bats and the subsequent no-work periods established by the Departmental Representative.

1.10 CULTURAL RESOURCES

- .1 All construction personnel are responsible for reporting any unusual materials unearthed during construction activities to the on-site supervisor.
- .2 If cultural or archaeological resources are encountered, cease work in the immediate area and notify the Parks Canada project manager immediately. Parks Canada will then notify Corey Hutchings (Tel: 902-483-8723), Archaeologist/ Indigenous Affairs and Cultural Heritage Directorate. If features (i.e., structural remains and/or artifact concentrations) are encountered, leave in place, mark the location with prominent flagging, and do not disturb prior to the completion of an archaeological assessment.

END OF SECTION