

Part 1 General

1.1 SECTION INCLUDES

- .1 Methods and procedures for demolition of existing Palisade Stockade.

1.2 REFERENCES

- .1 Canadian Standards Association (CSA International):
 - .1 CSA S350, Code of Practice for Safety in Demolition of Structures.
- .2 Department of Justice Canada (Jus):
 - .1 Canadian Environmental Assessment Act (CEAA), 1992, c. 37.
 - .2 Canadian Environmental Protection Act (CEPA), 1999, c. 33:
 - .1 SOR/2003-2, On-Road Vehicle and Engine Emission Regulations.
 - .3 Transportation of Dangerous Goods Act (TDGA), 1992, c. 34.

1.3 DEFINITIONS

- .1 Deconstruction: systematic dismantling of structure in a manner that achieves safe removal/disposal of hazardous materials and maximum salvage/recycling of materials:
 - .1 Ultimate objective is to recover potentially valuable resources while diverting from landfill what has traditionally been significant portion of waste system.
- .2 Demolition: rapid destruction of structure with or without prior removal of hazardous materials.

1.4 SUBMITTALS

- .1 Submittals in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Submit for approval details indicating sequence and intended means of demolition work.

1.5 ENVIRONMENTAL PROTECTION

- .1 Ensure Work is done in accordance with Section 01 35 43 - Environmental Procedures.
- .2 Ensure that demolition work does not adversely affect adjacent watercourses, groundwater and wildlife, or contribute to excess air and noise pollution.
- .3 Fires and burning of waste or materials is not permitted on site.
- .4 Do not bury rubbish waste materials.

- .5 Do not dispose of waste or volatile materials including but not limited to: mineral spirits, oil, petroleum based lubricants, or toxic cleaning solutions into watercourses, storm or sanitary sewers:
 - .1 Ensure proper disposal procedures are maintained throughout project.
- .6 Do not pump water containing suspended materials into watercourses, storm or sanitary sewers, or onto adjacent properties.
- .7 Protect trees, plants and foliage on site and adjacent properties where indicated.
- .8 Prevent extraneous materials from contaminating air beyond application area, by providing temporary enclosures during demolition work.
- .9 Cover or wet down dry materials and waste to prevent blowing dust and debris. Control dust on all temporary roads.

1.6 EXISTING CONDITIONS

- .1 Structures to be demolished to be based on their condition on date that tender is accepted:
 - .1 Remove, protect and store salvaged materials within designated lay down areas as shown on the Contract Drawings or as identified by the Departmental Representative.

1.7 SITE CONDITIONS

- .1 Protection:
 - .1 Protect existing grade from disturbance or significant settlement of heavy, tracked equipment through the use of rig matting. The Contractor shall determine the amount of rig matting to be used in performing the work
 - .2 Prevent movement, settlement or damage of adjacent structures, services, walks, landscaping, and adjacent grades. Provide bracing as required. Repair damage caused by deconstruction as directed by Departmental Representative.
 - .3 Support affected structures and, if safety of structure being deconstructed or adjacent structures appears to be endangered, take preventative measures. Cease operations and immediately notify Departmental Representative.
 - .4 Prevent debris from blocking surface drainage system.

1.8 SCHEDULING

- .1 Employ necessary means to meet project time lines without compromising specified minimum rates of material diversion:
 - .1 In event of unforeseen delay notify Departmental Representative in writing.

Part 2 Products

Not Used.

Part 3 Execution

3.1 PROTECTION

- .1 Prevent movement, settlement or damage of adjacent structures, services, walks, trees, landscaping, and adjacent grades:
 - .1 Provide bracing, shoring as required.
 - .2 Repair damage caused by demolition as directed by Departmental Representative.
- .2 Support affected structures and, if safety of structure being demolished appears to be endangered, take preventative measures, stop Work and immediately notify Departmental Representative.

3.2 PREPARATION

- .1 Do Work in accordance with Section 01 35 29 - Health and Safety Requirements.
- .2 Do not disturb electrical and telephone service lines entering the Stockade. Notify the Departmental Representative in writing if conflicts arise:
 - .1 Post warning signs on electrical lines and equipment which must remain energized to serve other properties during period of demolition.
- .3 Blasting operations not permitted during demolition.

3.3 DISASSEMBLY

- .1 Remove the Existing Palisade Stockade and Bastions as indicated on the Contract Drawings to permit construction of the new Palisade Stockade as indicated on the Contract Drawings.
- .2 Demolition requires the removal of existing anchor posts for re-use of existing post holes. Contractor shall use appropriate methods and techniques to remove the portion of the anchor posts below grade while maintaining integrity of the existing post hole.
- .3 At end of each day's work, leave Work in safe and stable condition.
- .4 Minimize the spread of debris.
- .5 Disassemble Palisade Stockade framing systematically.
- .6 All material specified to be removed may be disposed of by an alternative disposal option. Materials removed from the Palisade are property of the Owner.
- .7 Remove and dispose of demolished materials except where noted otherwise and in accordance with authorities having jurisdiction.

- .8 Ensure workers and subcontractors are briefed to carry out work in accordance with appropriate deconstruction techniques.
- .9 Project supervisor with previous deconstruction experience must be present on site throughout project.
- .10 Deconstruct in accordance with CSA S350 and other applicable safety standards.
- .11 Workers must utilize adequate fall protection where Departmental Representative considers it necessary.
- .12 Maintain structural integrity of structures.
- .13 Systematically remove finishes, furnishings, and mechanical and electrical equipment as indicated on Contract Drawings.
- .14 For Bastions disassemble in sequence: roof, exterior walls, columns, and foundation.
- .15 Remove materials that cannot be salvaged for reuse or recycling and dispose of in accordance with applicable codes at licensed facilities.
- .16 Where existing materials are to be re-used in Work, use special care in removal, handling, storage and re-installation to assure proper function in completed work.

3.4 STOCKPILING

- .1 Stockpile all Stockade materials designated for disposal or alternate disposal in location designated as a potential Contractor laydown area on Contract Drawings or as indicated by the Departmental Representative.

3.5 REMOVAL FROM SITE

- .1 Timber elements removed from the existing Palisade Stockade and Bastions shall be salvaged and disposed of off-site.
- .2 The Contractor shall be responsible for the removal, interim piling, loading, hauling, and disposal of all removed material at a location of their choosing off site.
- .3 The Contractor shall pay all charges and fees for disposal of the removed material, if applicable.
- .4 Any revenue received from the sale of the removed material shall be realized by the Contractor.

3.6 SITE VERIFICATION OF CONDITIONS

- .1 Site confirm all utilities.

3.7 PREPARATION

- .1 Do Work in accordance with Section 01 35 30 - Health and Safety Requirements.
- .2 Locate and protect utility lines. Do not disrupt active or energized utilities designated to remain undisturbed.

3.8 REMOVAL FROM SITE

- .1 Transport material designated for alternate disposal to approved facilities in accordance with applicable regulations.
- .2 Dispose of materials not designated for alternate disposal in accordance with applicable regulations.

3.9 CLEANING AND RESTORATION

- .1 Keep site clean and organized throughout deconstruction.
- .2 Upon completion of project, remove debris, trim surfaces and leave work site clean.
- .3 Upon completion of project, reinstate areas affected by Work to condition which existed prior to beginning of Work.

END OF SECTION