

**Partie 1      General**

**1.1            SECTION INCLUDES**

- .1      Section 024116 – Short Form. Structure Demolition, is aimed at the methods and procedures for the total or partial demolition of features or structures, including basements and foundation walls, and the abandonment and removal of septic tanks and petroleum storage tanks.

**1.2            RELATED SECTIONS**

- .1      01 74 21 – Construction / demolition waste management and disposal.

**1.3            REFERENCES**

- .1      Canadian Standards Association (CSA)/CSA International
  - .1      CSA S350-M1980 (R2003), Code of Practice for Safety in Demolition of Structures.

**1.4            SHIPPING, STORAGE AND HANDLING**

- .1      Waste management and disposal
  - .1      Separate waste for recycling in accordance with Section 01 74 21 – Construction / Demolition Waste Management and Disposal.

**1.5            EXISTING CONDITIONS**

- .1      Check the list of designated hazardous materials and take the necessary measures to preserve the environment.
- .2      If a material resembling asbestos applied by spraying or with a trowel or any other products designated and classified as hazardous materials are discovered during the execution of the work, stop work, take proper precautions and inform Departmental Representative immediately.
  - .1      Do not resume work until Departmental Representative written instructions are issued.
- .3      The Contractor shall consider the following bearing capacity of the structure in the execution of its work.
  - .1      The first section of the wharf upstream of the security perimeters, the central section of the wharf in the area of the sheet pile walls BZ350 and the accessible part of the wharf along the area of the sheet pile walls BZ550: 30 kPa.
  - .2      Areas enclosed by security perimeters as shown on the drawing: undetermined bearing capacity.

**Partie 2      Products**

**2.1            EQUIPMENT**

- .1      Leave equipment, tools and machinery running only while in use, except where extreme temperatures prohibit shutting down.

- .2 Demonstrate that tools and machinery are being used in manner which allows for salvage of materials in best condition possible.

### **Partie 3 Execution**

#### **3.1 PREPARATION**

- .1 Perform Work in accordance with Section 01 35 29.06 – Health and Safety Requirements.
- .2 Protection
  - .1 Prevent movement, settlement, or damage to adjacent structures, utilities, and features to remain in place. Provide bracing and shoring as required.
  - .2 Keep noise, dust, and inconvenience to occupants and environment to minimum.
  - .3 Provide temporary dust screens, covers, railings, supports and other protection as required.

#### **3.2 DEMOLITION, EXCAVATION, REUSE AND DISPOSAL**

- .1 Dismantle the parts of the existing structure whose removal is necessary for the construction of the new structure. Sort the materials and group them into separate piles according to whether they will be reused or recycled.
- .2 Refer to requirements and demolition drawings to identify which materials are to be recovered for re-use.
- .3 Unless otherwise indicated, remove the materials to the appropriate recycling facilities or recycling companies in compliance with the requirements of the competent authorities.

#### **3.3 STOCKPILING**

- .1 Identify the different stockpiles and indicate the type of material and quantity.
- .2 Take appropriate safety measures and allocate adequate resources to prevent theft, vandalism and deterioration of materials.
- .3 Stockpile the materials where they will lend themselves to re-use in a new construction. Eliminate double handling as much as possible.
- .4 Stockpile the materials identified for environmentally sound disposal at a place which, on one hand, will facilitate removal from the site and review by potential users interested in their re-use, and on the other hand that will not impede their dismantling, processing or trucking.

#### **3.4 REMOVAL FROM SITE**

- .1 Transport materials for an environmentally friendly disposal to waste management centers approved in accordance with relevant regulations. Do not convey the materials elsewhere than to waste management centers without the Departmental Representative's written authorization.
- .2 Dispose of other materials in accordance with relevant regulations, in facilities approved by Departmental Representative.

#### **3.5 CLEANING AND SITE RESTORATION**

- .1 Keep site clean and organized throughout demolition procedure.

- .2 Upon completion of project, reinstate areas affected by Work to condition which existed prior to beginning of Work.

**END OF SECTION**