

## **Part 1            General**

### **1.1                REFERENCE STANDARDS**

- .1      CSA International
  - .1          CSA S350-M1980 (R2003), Code of Practice for Safety in Demolition of Structures.
- .2      National Research Council Canada (NRC)
  - .1          National Building Code of Canada (NBC).
  - .2          National Fire Code of Canada (NFC).

### **1.2                ADMINISTRATIVE REQUIREMENTS**

- .1      Pre-Installation Meetings:
  - .1          Convene pre-installation meeting 1 week prior to beginning work of this Section, with Departmental Representative, Consultant and Contractor's Representative in accordance with Section 01 31 19 - Project Meetings to:
    - .1            Verify project requirements.
    - .2            Verify existing site conditions adjacent to demolition work.
    - .3            Co-ordination with other construction subtrades.
  - .2          Ensure subcontractor representatives attend.
- .2      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.

### **1.3                ACTION AND INFORMATIONAL SUBMITTALS**

- .1      Submit in accordance with Section 01 33 00 - Submittal Procedures.
- .2      Submit copies of certified weigh bills and receipts from disposal sites and recycling facilities for material removed from site upon request of Departmental Representative.
- .3      Shop Drawings:
  - .1          Submit for review and approval demolition drawings, diagrams or details showing sequence of demolition work and supporting structures.

### **1.4                SITE CONDITIONS**

- .1      Environmental protection:
  - .1          Ensure Work does not adversely affect adjacent watercourses, groundwater and wildlife, or contribute to excess air and noise pollution.
  - .2          Fires and burning of waste or materials is not permitted on site.
  - .3          Do not bury rubbish waste materials.

- .4 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.
- .5 Do not pump water containing suspended materials into watercourses, storm or sanitary sewers, or onto adjacent properties.
- .6 Control disposal or runoff of water containing suspended materials or other harmful substances in accordance with authorities having jurisdiction.
- .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.

## **1.5 EXISTING CONDITIONS**

- .1 If material resembling spray or trowel-applied asbestos or other designated substance listed as hazardous be encountered, stop work, take preventative measures, and notify Departmental Representative immediately.
  - .1 Proceed only after receipt of written instructions has been received from Departmental Representative.
- .2 Asbestos-containing-materials are known to be present in the stairwell wall assemblies and the exterior wall assemblies (not including gypsum board finished bulkheads) within the work area.
- .3 Prior to commencing work that will require disassembly, penetration or otherwise disturb the assemblies having asbestos-containing-materials, ask for approval and follow instructions provided by the Departmental Representative.
- .4 Notify Departmental Representative before disrupting building access or services.

## **Part 2 Products**

### **2.1 NOT USED**

- .1 Not used.

## **Part 3 Execution**

### **3.1 PREPARATION**

- .1 Protection of In-Place Conditions:
  - .1 Prevent movement, settlement, or damage to adjacent properties, landscaping features, parts of building, utilities, and structures to remain in place. Provide bracing and shoring required.
  - .2 Keep noise, dust, and inconvenience to occupants to minimum.
  - .3 Protect building systems, services and equipment.

- .4 Provide temporary dust screens, covers, railings, supports and other protection as required.
- .5 Do Work in accordance with Section 01 35 29.06 - Health and Safety Requirements.
- .6 Repair damage caused by demolition as directed by Departmental Representative.
- .7 Prevent debris from blocking surface drainage system, elevators, mechanical and electrical systems which must remain in operation.
- .2 Post warning signs on electrical lines and equipment which must remain energized during period of demolition.

### **3.2 EXAMINATION**

- .1 Inspect site and building with Consultant and Departmental Representative and verify extent and location of items designated for removal, disposal, alternative disposal, recycling, salvage and items to remain.
- .2 Locate and protect utilities. Preserve active utilities traversing site in operating condition.
- .3 Notify and obtain approval of utility companies before starting demolition.

### **3.3 DEMOLITION**

- .1 Do demolition work in accordance with Section 01 56 00 - Temporary Barriers and Enclosures.
- .2 Demolish to minimize dusting. Keep materials wetted as directed by Departmental Representative.
- .3 Demolition/Removal:
  - .1 Remove items as indicated.
  - .2 Remove parts of existing building to permit new construction.
- .4 Remove and dispose of demolished materials except where noted otherwise and in accordance with authorities having jurisdiction.

### **3.4 CLEANING**

- .1 Progress Cleaning: clean in accordance with Section 01 74 11 - Cleaning.
  - .1 Leave Work area clean at end of each day.
- .2 Final Cleaning: upon completion remove surplus materials, rubbish, tools and equipment in accordance with Section 01 74 11 - Cleaning.
- .3 Refer to demolition drawings and specifications for items to be salvaged for reuse.

**END OF SECTION**