

Part 1 General

- .1 This section specifies requirements for demolishing, salvaging and removing wholly or in part, various items designated to be removed or partially removed to facilitate repairs. Disposal of debris generated from the work as well as protection of items designated to remain are also covered under this section.

1.2 SECTION INCLUDES

- .1 Methods and procedures for deconstruction of structures and parts of structures.

1.3 REFERENCES

- .1 Reference Standards:
 - .1 Canadian Standards Association (CSA International)
 - .1 CSA S350-M1980 (R2003), Code of Practice for Safety in Demolition of Structures.
 - .2 National Building Code 2010, Part 8 - Safety Measures at Construction and Demolition Sites.

1.4 MEASUREMENT PROCEDURE

- .1 No measurement will be made under this section. Include costs in item of work for which demolishing is required.

1.5 SUBMITTALS

- .1 Submittals in accordance with Section 01 33 00 - Submittal Procedures.

1.6 SITE CONDITIONS

- .1 Existing Conditions:
 - .1 The work will be carried out in a single phase. Site protection to adjacent occupied areas is paramount.
 - .2 Vehicle and barrier free access to the building entrances and exits must be maintained at all times during the course of the work.
 - .3 The City of Winnipeg must be given a minimum seven days advance notice prior to commencement of repairs.
- .2 Protection:
 - .4 Protect existing structures and services designated to remain and items designated for salvage. In event of damage to such items, immediately replace or make repairs to approval of Contract Administrator and at no cost to the City of Winnipeg.
 - .5 In all circumstances ensure that demolition work does not adversely affect adjacent areas.
 - .6 Do not dispose of waste of volatile materials such as, mineral spirits, oil, petroleum based lubricants, or toxic cleaning solutions into watercourses, storm or sanitary sewers. Ensure proper disposal procedures are maintained throughout the project.

- .7 Do not pump water containing suspended materials into watercourses, storm or sanitary sewers or onto adjacent properties.
- .8 Control disposal or runoff of water containing suspended materials or other harmful substances in accordance with local authorities.
- .9 Prevent movement, settlement or damage of adjacent structures, services. Provide bracing, shoring as required. Repair damage caused by deconstruction as directed by Contract Administrator.
- .10 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 Contract Administrator.

Part 2 Products

2.1 EQUIPMENT

- .1 Leave equipment and machinery running only while in use, except where extreme temperatures prohibit shutting down.
- .2 Where possible use water efficient wetting equipment/attachments when minimizing dust.
- .3 Protect existing items designated to remain and materials designated for salvage. In event of damage to such items, immediately replace or make repairs to approval of Contract Administrator and at no cost to the City of Winnipeg.
- .4 Demonstrate that tools are being used in manner which allows for salvage of materials in best condition possible.
- .5 Locate and protect any utility lines which may be affected by the work and if necessary, notify utility companies before starting demolition.

Part 3 Execution

3.1 SITE VERIFICATION OF CONDITIONS

3.2 DISASSEMBLY

- .1 Conduct demolition to minimize interference with adjacent building areas maintain protected, wheelchair accessible egress and access at all times to the building entrance.
- .2 All debris created by the execution of the work shall be removed progressively from the site to appropriate disposal grounds. Do not damage adjacent finishes or surfaces.
- .3 Do not disturb adjacent items designated to remain in place.
- .4 Carefully remove and store reusable site materials and dismantle items containing materials for salvage and stockpile salvaged materials at locations as approved by the Contract Administrator.
- .5 Ensure workers and subcontractors are briefed and trained to carry out work in accordance with appropriate deconstruction techniques.
- .6 Project supervisor with previous deconstruction experience must be present on site throughout project.
- .7 Deconstruct in accordance with CSA S350 and other applicable safety standards.

3.3 REMOVAL FROM SITE

- .1 Transport material designated for disposal to approved facilities in accordance with applicable regulations.
- .2 Make arrangements with and obtain permits from authorities having jurisdiction for disposal of waste and debris.

3.4 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 parking surfaces, walkways, affected by Work to condition which existed prior to beginning of Work and match condition of adjacent, undisturbed areas.
- .4 In addition to the progressive removal of waste materials and debris from building and site, leave the site clean, perform the following before final inspection by the Contract Administrator.
 - .1 spray-wash all exterior building finishes in construction area and any adjacent building areas soiled by the construction processes.
 - .2 Broom clean and wash exterior walks, steps and platforms soiled from delivery or removal materials.
 - .3 Remove all dirt and other disfigurations from exterior surfaces.
 - .4 Sweep clean all paved areas.

END OF SECTION

Part 1 General

1.1 REFERENCES

- .1 Canadian Standards Association (CSA International)
 - .1 CSA S350-M1980 (R1998), Code of Practice for Safety in Demolition of Structures.

1.2 SUBMITTALS

- .1 Submit shop drawings in accordance with Sections 01 33 00 - Submittal Procedures.
- .2 Before proceeding with demolition of walls or other elements and where required by authority having jurisdiction submit for review by Contract Administrator shoring and underpinning drawings prepared by qualified professional engineer registered or licensed in the Province of Manitoba, showing proposed method.

1.3 SITE CONDITIONS

- .1 Should material resembling spray or trowel-applied asbestos or other designated substance listed as hazardous be encountered, stop work, take preventative measures, and notify Contract Administrator immediately.
 - .1 Do not proceed until written instructions have been received Contract Administrator.
- .2 Notify Contract Administrator before disrupting access or services.

Part 2 Products

2.1 NOT USED

- .1 Not used.

Part 3 Execution

3.1 PREPARATION

- .1 Inspect building site with Contract Administrator 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.
- .4 Disconnect, cap, plug or divert, as required, existing public utilities within the property where they interfere with the execution of the work, in conformity with the requirements of the authorities having jurisdiction. Mark the location of these and previously capped or plugged services on the site and indicate location (horizontal and vertical) on the record drawings. Support, shore up and maintain pipes and conduits encountered.

- .1 Immediately notify Contract Administrator and utility company concerned in case of damage to any utility or service, designated to remain in place.
- .2 Immediately notify the Contract Administrator should uncharted utility or service be encountered, and await instruction in writing regarding remedial action.

3.2 PROTECTION

- .1 Prevent movement, settlement, or damage to adjacent structures and parts of building 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.

3.3 SALVAGE

- .1 Refer to drawings and specifications for items to be salvaged for reuse.
- .2 Remove items to be reused, store as directed by Contract Administrator and re-install under appropriate section of specification.

3.4 DEMOLITION

- .1 Remove parts of existing building to permit new construction.
- .2 Trim edges of partially demolished building elements to tolerances as defined by Contract Administrator to suit future use.

3.5 DISPOSAL

- .1 Dispose of removed materials in accordance with authority having jurisdiction.

END OF SECTION