

Part 1 General

1.1 SECTION INCLUDES

- .1 Methods and procedures for deconstruction of portions of existing concrete sidewalks, concrete slab on grade for existing storage shed, and building components to accommodate SLE addition.

1.2 RELATED SECTIONS

- .1 Section 01 33 00 - Submittal Procedures
- .2 Section 01 35 30 - Health and Safety Requirements
- .3 Section 01 35 43 - Environmental Procedures
- .4 Section 01 74 19 - Construction/Demolition Waste Management And Disposal

1.3 DEFINITIONS

- .1 Deconstruction: systematic dismantling of existing building components in a manner that achieves safe removal of components and maximum salvage of components.
- .2 Demolition: rapid destruction of existing building components with or without prior removal of components for salvage.
- .3 Recycle: process by which waste and recyclable materials are transformed or collected for purpose of being transferred into new products.
- .4 Recycling: process of sorting, cleansing, treating and reconstituting solid waste and other discarded materials for purpose of using in altered form.
- .5 Salvage: removal of existing building components from deconstruction process for purpose of reuse or recycling.

1.4 SUBMITTALS

- .1 Submittals in accordance with Section 01 33 00.
- .2 Submit pre-demolition audit and deconstruction/disassembly plan prior to starting work

1.5 QUALITY ASSURANCE

- .1 Ensure Work is performed in compliance with applicable provincial regulations.

1.6 STORAGE, HANDLING AND PROTECTION

- .1 Do in accordance with Section 01 74 19.

1.7 ENVIRONMENTAL REQUIREMENTS

- .1 Do Work in accordance with Section 01 35 43.

1.8 SITE CONDITIONS

- .1 Existing building will occupied during performance of Work. Perform demolition work so that Departmental Representative's use will not be disrupted.
 - .1 Provide not less than 72 hours notice to Departmental Representative of activities that will affect Departmental Representative's operations.
 - .2 Maintain access to existing walkways, exits and other adjacent occupied or used facilities.
 - .3 Do not close or obstruct existing walkways, exists, or other occupied or used facilities without written permission from Departmental Representative and authority having jurisdiction.

Part 2 Products

2.1 EQUIPMENT

- .1 Leave equipment and machinery running only while in use.
- .2 Demonstrate that tools are being used in manner which allows for salvage of materials in best condition possible.

Part 3 Execution

3.1 SALVAGE

- .1 Coordinate all salvaging activities with Departmental Representative.
- .2 When disconnecting and taking down components for salvage:
 - .1 Clean components of dirt and demolition debris.
 - .2 Protect components using same techniques as if they were new components.
 - .3 Store components in a secure and protected location until required for reuse.
- .3 If possible, salvage following existing components for reuse:
 - .1 Wall and fascia cladding.
 - .2 Building insulation underneath wall cladding.

3.2 PROTECTION

- .1 Prevent movement, settlement or damage existing building, services, walks, landscaping and adjacent grades. Provide protection as required. Repair damage caused by deconstruction as directed Departmental Representative.
- .2 Prevent debris from blocking surface drainage system, and mechanical and electrical systems.

3.3 PREPARATION

- .1 Examine existing conditions and coordinate with requirements indicated to determine extent of deconstruction and demolition required.
- .2 Inventory and record condition of items being deconstructed and demolished.
- .3 Investigate and measure nature and extent of unanticipated structural elements, and if necessary promptly submit a written report to Departmental Representative.

3.4 DECONSTRUCTION AND DEMOLITION

- .1 Carry out deconstruction and demolition work in an orderly and careful manner.
- .2 Use methods required to complete the work within limitations of governing regulations and as follows:
 - .1 Perform work in a manner to minimize dusting and to prevent migration of dust.
 - .2 Maintain adequate ventilation.
 - .3 Locate equipment and remove debris and materials so as not to impose excessive loads on supporting walls, floors or framing.
 - .4 Perform cutting and removal operations in a manner that reduces, as much as possible, materials from falling or collapsing and causing excess noise, dust, vibration and shock.
- .3 Perform work in a manner that causes the least amount of vibration and noise in adjacent occupied areas and building.
 - .1 Prior to commencing any work that will cause undue noise or vibrations, consult with Departmental Representative well in advance of need.
 - .2 Prior to drilling holes or cutting chases or openings, obtain permission from Departmental Representative.
- .4 Perform surveys as work progresses to detect hazards that may result from work activities.
- .5 When removing existing concrete and masonry work, use proper power tools with appropriate cutting blades to make the cuts. Make cut edges straight and true. Remove concrete and masonry in small sections.
- .6 Remove debris from elevated portions by chute, hoist or other device that will convey debris to grade level in a controlled descent.
- .7 Make saw cuts straight, clean and true.

3.5 REPAIRS

- .1 Promptly repair damage to adjacent building surfaces and elements caused by deconstruction and demolition operations.
- .2 Patch to produce surfaces suitable for new materials where repairs to existing surfaces and elements are required.

- .3 Restore exposed finishes of patched areas and extend restoration into adjoining construction in a manner that eliminates evidence of patching and refinishing.

3.6 RECYCLING DEMOLISHED MATERIALS

- .1 Consider utilizing the services of businesses and non-profit organizations that specialize in salvage and recycling of used building materials, but does so at their own option and risk.
- .2 Recycle demolished materials to the greatest extent possible. Separate recyclable demolished materials from other demolished materials to the maximum extent possible.
- .3 Transport recyclable materials off site and legally dispose of them.

3.7 DISPOSAL OF DEMOLISHED MATERIALS

- .1 Except for items and materials indicated for potential recycle, salvage or otherwise indicated to remain the Departmental Representatives property, remove demolished materials from Project site and legally dispose at a certified landfill.
 - .1 Do not allow demolished materials to accumulate on site.
 - .2 Remove and transport debris in a manner that will prevent spillage on adjacent surfaces and areas.
- .2 Remove demolished materials off site and legally dispose of them.

3.8 CLEANING AND RESTORATION

- .1 Keep site clean and organized throughout deconstruction.
- .2 Upon completion of project, remove demolition debris, 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