

**1. General**

**1.1 RELATED WORK SPECIFIED IN OTHER SECTIONS**

- |    |                         |                  |
|----|-------------------------|------------------|
| .1 | Project Coordination:   | Section 01 31 13 |
| .2 | Construction Schedules: | Section 01 32 16 |
| .3 | Submittal Procedures:   | Section 01 33 00 |
| .4 | Temporary Facilities:   | Section 01 50 00 |

**1.2 REFERENCE STANDARDS**

- .1 CSA S350-M1980 (R2003), Code of Practice for Safety in Demolition of Structures.

**1.3 EXISTING CONDITIONS**

- .1 Visit and examine the site and note all characteristics and irregularities affecting the work of this Section.

**1.4 SUBMITTALS**

- .1 Where required by authorities having jurisdiction, submit for approval, drawings, diagrams, details and supporting data clearly showing sequence of demolition and removal work of building supporting structures and underpinning. Provide consultant with copy of such drawings.
- .2 Drawings for structural elements shall be designed by and bear signature and stamp of qualified professional engineer registered in the Province of Alberta.

**1.5 PROTECTION**

- .1 Prevent movement or settlement of adjacent work. Provide and place bracing or shoring and be responsible for safety and support of such work. Be liable for any such movement or settlement, and any damage or injury caused.
- .2 Cease operations and notify the consultant if safety of any adjacent work or structure appears to be endangered. Take all precautions to support the structure. Do not resume operations until reviewed with the consultant.
- .3 Ensure safe passage of site users around area of demolition.
- .4 Cease operations and notify the consultant immediately for special protective and disposal instructions when asbestos materials or other hazardous materials, other than those identified, are uncovered during the work of this project.
- .5 Prevailing weather conditions and weather forecasts shall be considered. Demolition work shall not proceed when weather conditions constitute a hazard to the workers and site.
- .6 Prevent debris from blocking surface drainage inlets and mechanical and electrical systems which remain in operation.
- .7 Protect temporarily suspended work that is without continuous supervision, shall be closed to prevent entrance of unauthorized persons.

**1.6 TEMPORARY PARTITIONS**

- ~~.1 Erect and maintain dustproof partitions, seal off ducts as required to prevent spread of dust and fumes to other parts of the building. On completion, remove partitions and make good surfaces to match adjacent surfaces.~~

**1.7 SALVAGEABLE AND RECYCLABLE MATERIALS**

- .1 Except where otherwise specified, all materials indicated or specified to be permanently removed from the Place of the Work shall become Contractor's property. Maximize to the fullest extent possible, salvage and recycling of such materials, consistent with proper economy and expeditious performance of the Work.
- .2 To reduce the quantity of material otherwise destined for disposal at a landfill, the Contractor is encouraged to consider utilizing the services of businesses and non-profit organizations that specialize in salvage and recycling of used building materials, but does so at his own option and risk.
- .3 A current listing of recyclers specializing in specific categories of materials may be obtained during normal office hours from:

Alberta Environment  
Recycling Branch  
Recycle Info Line  
Phone: (780) 427-2700 or 1-800-463-6326  
[www.recyclinghotline.ca](http://www.recyclinghotline.ca)

**1.8 CONCRETE RUBBLE**

- ~~.1 Demolished concrete may be crushed to the gradation specified in Section 31 05 13 and used as fill material.~~
- .2 Deliver demolished concrete rubble not used for fill material to the City of Edmonton Recycling Centre on Meridian Street and 135 Avenue. This facility will accept pieces up to a maximum dimension, including projecting reinforcement, of 900mm x 900mm x 450mm. Cut reinforcement and break larger pieces of rubble to conform with these maximum dimensions prior to delivery.

**2. Products**

**2.1 MATERIALS AND EQUIPMENT**

- .1 Provide materials and equipment as required to perform work of this section.

**3. Execution**

**3.1 EXISTING SERVICES**

- .1 Disconnect all electrical and telephone service lines in the areas to be demolished. Post warning signs on all electrical lines and equipment that must remain energized to serve other areas during period of demolition. Disconnect electrical and telephone service lines in demolition areas to the requirements of local authority having jurisdiction.
- .2 Disconnect and cap all mechanical services in accordance with requirements of local authority having jurisdiction.
- .3 Essential Services: Maintain all essential services to areas Power, Water, Sanitary, Gas, Sprinklers, and Heat.
- .4 In each case notify the affected utility company in advance and obtain approval where required, before commencing with the work on main services.

**3.3 DEMOLITION**

- .1 Carry out demolition work in accordance with CSA S350, unless otherwise specified.
- .2 Remove from the site all materials indicated to be removed.
- .3 Carry out demolition in a manner to minimize inconvenience to adjacent occupied space.
- .4 Carry out demolition in an orderly and careful manner.
- .5 Demolition by explosive or methods to initiate a “ Rapid Progressive Failure “ of any portion of a structure will not be permitted without written permission of the consultant and all authorities having jurisdiction.
- .6 Before commencing general demolition, separate by hand demolition, attached structures to remain from structure to be demolished.
- ~~.7 Sprinkle exterior debris with water to prevent dust. Do not cause flooding, contaminated runoff or icing. Do not allow waste material, rubbish and windblown debris to reach and contaminate adjacent properties.~~
- .8 Lower waste materials in a controlled manner; do not drop or throw materials from heights.
- .9 Burning of materials on site is not permitted.

**3.4 RESTORATION**

- .1 Restore to its original condition any portion of the adjacent components demolished unnecessarily, at no expense to the satisfaction of consultant.
- .2 Immediately as the work progresses, repair all vibration and excavation damages to existing adjacent properties and active underground services.

- .3 Walls of adjoining structures that were not exposed prior to demolition shall be adequately protected from all weather by waterproofing to foundation walls to above grade wall areas construction of

**3.5 CLEAN-UP**

- .1 For clean-up during demolition and for final cleaning, comply with requirements of Division 01.

**END OF SECTION**