

1 GENERAL

1.01 REFERENCE STANDARDS

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

1.02 DEFINITIONS

- .1 Demolition: destruction of structure following removal of hazardous materials.

1.03 SUBMITTALS

- .1 Submit a Demolition and Removal Plan, prior to mobilization of demolition equipment and tools, that describes the equipment, methods, safety precautions, and disposal procedures of waste and potentially hazardous materials for the existing Mitre Sill, Vertical Timber Binders, and Lock Concrete Demolition (i.e., concrete removal required for new stoplog seal plate, stoplog guide slots and general concrete repairs).

1.04 HAZARDOUS MATERIALS

- .1 Refer to Section 01 14 25 - Designated Substances Report.

1.05 RECYCLABLE MATERIALS

- .1 Unless specified otherwise in this section, all equipment and materials indicated or specified to be permanently removed from the Site become the property of the Contractor. Maximize the recycling of such equipment and materials, consistent with proper economy and expeditious performance of Work.

2 PRODUCTS

2.01 EQUIPMENT

- .1 Demonstrate that proposed demolition tools and equipment are of suitable size, and are being used in a manner, that allows remaining concrete and structural components to be left in a structurally sound condition.
- .2 Run demolition machinery only while in use, except where extreme temperatures prohibit shutting machinery down.

3 EXECUTION

3.01 GENERAL

- .1 Prior to commencing demolition, inspect the Site and verify with the Departmental Representative items designated for demolition.

- .2 Survey existing conditions and correlate with requirements indicated to determine extent of demolition required.
- .3 Departmental Representative does not guarantee that existing conditions are the same as those indicated in Project Record Documents.
- .4 Protection of In-Place Conditions:
 - .1 Prevent movement, settlement, or damage to adjacent structures, utilities, and landscaping features to remain in place. Provide bracing and shoring, if required.
 - .2 Keep noise, dust, and inconvenience to Operations Staff to minimum.
 - .3 Provide temporary dust screens, covers, railings, supports and other protection as required.
- .5 Prepare work in a manner that prevents the loss or damage of materials specified for salvage. Repair or replace damaged materials as required by the Departmental Representative.
- .6 Inventory and record the condition of items being removed and salvaged. Photographic documentation and line drawings of key elements may be required as per instruction by the Departmental Representative.
- .7 At the end of each shift, leave the work in a safe and stable condition, so that no part of it is in danger of toppling, falling or sliding.
- .8 When unanticipated structural elements are encountered, investigate and measure the nature and extent of the element. Promptly submit a written report to Departmental Representative.
- .9 Verify that hazardous materials have been remediated before proceeding with demolition operations.

3.02 DEMOLITION OF CONCRETE

- .1 Demolish and remove the existing concrete as specified in the Contract Documents; specific concrete demolition and removal requirements are included in Section 03 30 01 - Mortar Placement and Repair.
- .2 Demolish concrete into individual pieces suitable for off-Site disposal.
- .3 Cut exposed reinforcing steel to within 25 mm of the concrete surface.

3.03 SITE RESTORATION & REPAIRS

- .1 Promptly repair damage to adjacent structural features caused by demolition operations.
- .2 Complete concrete surface repairs in accordance with Section 03 30 01 - Mortar Placement and Repair and the Drawings.
- .3 Restore exposed finishes of patched areas and extend restoration into adjoining construction in a manner that eliminates evidence of patching and refinishing.

END OF SECTION