

## **1.0 GENERAL**

### **1.1 WORK SEQUENCE**

- .1 Installation of hoarding/dust protection and shoring around the Work.
- .2 Provide all labour, material, equipment and supervision required to remove and dispose of all material and debris associated with undertaking of the work. Refer to drawings for elements requiring removal and demolition.

### **1.2 TEMPORARY WORKS**

- .1 The Contractor shall design, provide, erect, maintain, remove, and assume full and sole responsibility for all temporary works required for the safe and complete execution of the work.
- .2 In the execution of the temporary works and for the duration of the Contract, the Contractor shall make adequate provisions for all likely construction loading and shall provide sufficient bracing to keep the works in plumb, aligned and free from excessive deflection
- .3 Access of heavy construction equipment and accumulation of construction materials on the floors are not permitted, unless such have been accommodated for in the Contractor's design to the satisfaction of the Departmental Representative.
- .4 The cost of all temporary works are deemed to be included in the Contract Price.
- .5 Submit shop drawings for review by the Departmental Representative before fabrication commences. Shop drawings shall be sealed by a professional engineer registered to practice in New Brunswick.

## **2.0 PRODUCTS**

Not applicable.

## **3.0 EXECUTION**

### **3.1 INSPECTION**

- .1 Visit and examine the site and note all characteristics and features affecting the Work of this Section.

- .2 Ensure all services, whether buried; built-in or exposed are properly identified as to position, type of service, size, direction of flow.
- .3 Inspect materials, equipment, components to be re-used or turned over to the Departmental Representative. Note their condition and advise the Departmental Representative in writing of any defects or conditions which would affect their removal and re-use.

### **3.2 PREPARATION**

- .1 Prevent movement, settlement or damage of elements of the existing lighthouse elements which are to remain. Provide bracing, shoring and supports as required. Protect existing surfaces from damage that are not to be restored as part of the Work.
- .2 Cut and/or cap existing services within the work area, if any, prior to start of Work as required, but do not affect the services of areas not under construction or essential to the ongoing operation of the building.
- .3 In all cases, exercise all reasonable care during removal operations to avoid damaging items to be salvaged, re-used, or items that are not part of the Scope of Work.
- .4 Seal off all work areas to prevent dust and debris from affecting other areas outside of work area. Prevent public access to areas being repaired.
- .5 Tape and/or seal off and provide protection to all mechanical and electrical services and all fire alarm and security devices still functioning adjacent to the work areas to prevent damage resulting from dust, debris, water, or impact.
- .6 Remove or protect in place all surface mounted or permanent fixtures not to be demolished from damage during demolition procedure.
- .7 Apply filter cloth to all exhaust and ventilation vents within work area to prevent dust generated by the construction activity from escaping.
  - .1 Contractor shall clean, or replace filter cloth if the filter cloth becomes unsuitably dirty as determined by Departmental Representative.
- .8 Provide proposed demolition sequence to the Departmental Representative for review prior to commencing work.

### **3.3 EXISTING COATING REMOVAL**

- .1 Remove and dispose of material and debris resulting from the removal of the wall coating. Existing wall coating shall be totally removed leaving a clean, sound, smooth, concrete surface suitable for the installation of a new elastomeric coating to the satisfaction of the Departmental Representative.
- .2 High pressure waterblast or other approved non-impact equipment is to be used to remove exterior wall coating system.
- .3 Equipment should be capable of efficiently removing the coating in its entirety while ensuring all reasonable precautions are taken to avoid damaging the concrete surface.
- .4 Mockup:
  - .1 Remove the existing wall coating on a 1.5m x 1.5m panel of substrate to determine the extent of work required to fully remove the existing coating.
  - .2 Repeat using different removal methods on up to three separate panels until acceptable to Departmental Representative.
  - .3 Acceptable panel will become the standard for work of this Section.
  - .4 Do not commence full scale production removal work until reviewed and approved by the Departmental Representative.

### **3.4 DEMOLITION**

- .1 Remove and dispose of material and debris resulting from the removal of delaminated and sound concrete from walls and floor slabs.
- .2 Remove and dispose of material and debris resulting from the removal of soils and granular subgrades as per Contract Documents.
- .3 Remove existing mechanical and electrical services associated with the areas of the walls or slab to be demolished. The removal of these services is to be accomplished prior to the commencement of the demolition work outlined in the Contract Documents.
- .4 Jack hammer demolition of concrete shall be used where existing slab or wall reinforcement is to be preserved intact.
  - .1 Jackhammer size is specified in Section 03 01 32.

- .5 Demolition procedures and equipment shall meet all applicable noise-control by-laws and regulations of the location of the work.
- .6 The Contractor is to take care not to damage the surface of sound concrete which is to remain through his removal operation. Where any such damage is done to sound material, it is to be repaired by the Contractor at his own expense to the approval of the Departmental Representative.
- .7 Where new concrete is to be applied to existing concrete, the surface is to be left clean and sound.
- .8 All required re-painting due to damage, overspray, etc. is the Contractor's responsibility.
- .9 At end of each day's work, leave work in safe condition so that no part is in danger of causing injury or damage.

### **3.5 WASTE DISPOSAL**

- .1 Disposal of waste products and material is to be in strict accordance with the product manufacturer's material safety data sheets and in accordance with the governing waste control regulations.
- .2 Store volatile wastes or material in covered metal containers. All wastes which create hazardous conditions must be removed from the premises daily.

**END OF SECTION**