

PART 1 - GENERAL

1.1 DESCRIPTION

- .1 This section specifies requirements for demolishing and removal.
- .2 Demolition and removal as indicated on the drawings will consist of, but not necessarily be limited to, the following:
 - .1 Complete demolition, removal and disposal of the existing wharf and wharf appurtenances.
 - .2 Removal of water lot debris.
 - .3 Clean-up and removal of any miscellaneous debris which exists at the wharf approach area, or collected along the nearby shoreline.
 - .4 The excavation, site grading, backfill and re-shaping of the site up to sub-grade level in preparation for new work.

1.2 RELATED SECTIONS

- .1 Section 01 35 43 - Environmental Procedures.
- .2 Section 01 74 21 – Construction/Demolition Waste Management and Disposal

1.3 REFERENCES

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

1.4 PROTECTION

- .1 Protect adjacent properties. In event of damage, immediately replace or make repairs to approval of and at no additional cost to Canada.

1.5 MEASUREMENT
FOR PAYMENT

- .1 Demolition: The demolition and removal of all objects noted herein, and shown on the drawings, and all structures shown to be demolished, including excavation, backfill, and site grading, including disposal of such materials, to be included in the Lump Sum bid.

PART 2 – PRODUCTS

- .1 Not used

PART 3 - EXECUTION

3.1 PREPARATION

- .1 Inspect site to verify extent and location of items designated for demolition.
- .2 Locate and protect utilities. Preserve active utilities traversing site in operating condition.
- .3 Prior to demolition employ containment boom to restrict dispersal of water debris during operations.
 - .1 Ensure condition of boom is maintained.
 - .2 Any damages to boom to be repaired immediately.
 - .3 Materials escaping boom to be retrieved immediately.
 - .4 Materials contained within boom to be removed daily.
 - .5 Boom to completely separate work area from other waters and be anchored a minimum 2m above LNT.

3.2 PROTECTION

- .1 Keep noise, dust, and inconvenience to residential areas to minimum.
- .2 Provide temporary dust screens, covers, railings, supports and other protection as required.

3.3 EXECUTION

- .1 All equipment to be washed before arriving at the work site.
- .2 Inspect site and verify with the Departmental Representative objects designated for removal.
- .3 Locate and protect utility lines.
- .4 The existing structures are in a state of disrepair, and caution should be exercised for any operations or activities to be carried out in the area.
- .5 Prior to venturing out on, or working around, the existing structures, Contractor is to provide Departmental Representative with an engineer approved demolition plan.

3.4 DEMOLITION

- .1 Remove and sort materials into appropriate piles for removal and recycling.

3.5 REMOVAL

- .1 Remove in their entirety all materials and objects specified, including any work that has settled into the harbour bottom.
- .2 Do not disturb adjacent work designated to remain in place.
- .3 All piles to be pulled. No cutting of piles
- .4 All submerged material to be stockpiled for minimum 24 hours prior to transport.

3.6 DISPOSAL OF MATERIAL

- .1 All demolished materials will be property of Contractor and will be removed from site and deposited at an environmentally approved disposal facility.
- .2 Ensure disposal site is willing to accommodate materials.
- .3 Contractor shall obtain and pay for all necessary permits and disposal fees.
- .4 Excavated material from below water to be transported using watertight dump trucks to an approved waste disposal site.
- .5 Take necessary action to ensure no debris is able to be dislodged from dumps during transport.

3.7 RESTORATION

- .1 Remove debris, trim surfaces and leave work site in clean condition after completion of work.
- .2 Reinstate areas and existing works outside areas of demolition to conditions that existed prior to commencement of work.

3.8 VERIFICATION

- .1 Provide underwater video of seafloor verifying it is free from all debris within the wharf footprint and 12m beyond the perimeter of the wharf.

END OF SECTION 02 41 16