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PART 1 - GENERAL

1.1 RELATED WORK

- .1 Environmental Protection: Section 01 35 44

1.2 GENERAL

- .1 Carry out work placing maximum emphasis on the areas of:
- .1 Waste reduction;
  - .2 Diversion of waste from landfill and;
  - .3 Material Recycling.

1.3 MEASUREMENT  
PROCEDURES

- .1 Site Work: Costs associated with this Section, unless indicated otherwise, including all labour, plant, equipment and necessary materials will constitute a fixed price, and shall consist of but not be limited to the following:
- .1 The removal, temporary storage and reinstatement of all material(s) and equipment that interferes with the installation of the new work.
  - .2 Temporary services are included in this section.
  - .3 The removal of concrete slabs, concrete retaining wall, asphalt pavement, timber wheelguard and wheelguard chocks, timber sheathing, treated timber cribwork, rock ballast, timber ladders c/w all fasteners, holdfasts, backfill material, armour stone protection, concrete barriers and all other items or services that interfere with the work as shown and/or as directed.
  - .4 The armour stone protection will be stored on site and reinstalled in the work as directed. Concrete barriers will be stored on site.
  - .5 Supply and installation of steel bent plates between new and existing structures as shown on drawings.
  - .6 The removal of electrical services such as wires, cables, conduit, receptacle outlets, power pole with fixture as shown and any other services as required to allow for new work.
  - .7 The installation of 5 (five) new power pole as shown on drawings including the supply and installation of 2 (two) 600mm diameter 8mm thick steel pipes with crushed rock for poles P3 and P4 and all fastening hardware. Poles will be supplied by electrical

contractor.

.8 All work associated with the reshaping, grading and spreading of existing material of the granular surface area as shown on drawings to obtain positive surface drainage.

.9 Proper disposal of existing reinforced concrete and asphalt debris in the area of new work to limits shown on drawings.

.1 Concrete, asphalt debris and miscellaneous steel to be disposed of at the contractor's construction and disposal site.

.10 The transportation and proper disposal of un-recyclable materials and debris to an approved regional landfill.

.11 The supply and installation of temporary or permanent shoring if necessary to prevent undermining of existing cribwork structure 401 will be included in this section.

.12 Carry out work as per Environmental requirements.

.13 The supply and installation of a floating boom surrounding the work area throughout the duration of the work to prevent any floating debris from escaping the waters. Any debris beyond the floating boom will be removed from the waters immediately by the contractor.

.14 The Mobilization and Demobilization will be part of this item.

.2 The removal of existing treated timber cribwork structure 402 from deck elevation to limits of removal including cribwork remnants as shown to be paid per Tonne and disposed at approved facility. Disposal of treated timber: all costs for handling, transportation and disposal of the un-reusable existing treated timber and debris removed from the structure to an approved regional landfill site will be paid per Tonne. Proof and confirmation of weight carried to the approved landfill will be required.

#### 1.4 WASTE REDUCTION

.1 Develop waste reduction strategy for work.

.2 Structure program to prioritize actions, with waste reduction as first priority, followed by salvage and recycling effort, then disposal as solid waste.

.3 Identify materials and equipment to be:

- .1 Salvaged for resale by Contractor.
- .2 Sent to recycling facility.
- .3 Sent to waste processing/landfill site for their recycling effort
- .4 Disposed of in approved landfill site.

- .4 Reduce construction waste during installation work. Undertake practices which will minimize waste and optimize full use of new materials on site, such as:
  - .1 Use of a central cutting area to allow for easy access to off-cuts;
  - .2 Use of off-cuts for blocking and bridging elsewhere.
  - .3 Use of effective and strategically placed facilities on site for storage and staging of left-over or partially cut materials (such as plywood, dimension timber, etc...) to allow for easy incorporation into work whenever possible avoiding unnecessary waste.
- .5 Develop other strategies and innovative procedures to reduce waste.

1.5 MATERIAL SOURCE  
SEPARATION PROCESS

- .1 Develop and implement material source separation process at commencement of work as part of mobilization and waste management at site.
- .2 Provide on-site facilities to collect, handle and store anticipated quantities of reusable, salvageable and recyclable materials.
- .3 Establish methods whereby hazardous and toxic waste materials, and their containers, encountered or used in the course work are properly isolated, stored on site and disposed in accordance with applicable laws and regulations from authorities having jurisdiction.

1.6 DISPOSAL  
REQUIREMENTS

- .1 Dispose of waste only at approved waste processing facility or approved landfill sites by authority having jurisdiction.
- .2 Contact the authority having jurisdiction prior to commencement of work, to determine what, if any construction waste materials have been banned from

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disposal in landfills. Take appropriate action to isolate such banned materials at site of work and dispose in strict accordance with provincial and municipal regulations.

- .3 Collect, bundle and transport salvaged materials to be recycled in separated categories and condition as directed by recycling facility. Ship materials only to approved recycling facilities.
- .4 Sale of salvaged items by Contractor to other parties not permitted on site.

1.7 REMOVAL

- .1 Remove in their entirety all materials and objects specified for removal including all fastenings. Carefully remove materials designated to be reused.