

PART 1 - GENERAL

1.1 RELATED SECTIONS

- .1 Section 01 35 43 - Environmental Procedures.
- .2 Section 02 41 16 - Sitework, Demolition and Removal.

1.2 WASTE MANAGEMENT PLAN

- .1 Prior to mobilization to site prepare Waste Management Workplan.
- .2 Workplan to include:
  - .1 Procedures for demolition of concrete, structural timber, steel and piles
  - .2 Plan for transport and disposal of all items.
  - .3 Identify salvageable and non-salvageable items.
  - .4 Develop written list. Record type, composition and quantity of various items and waste anticipated.
  - .5 Supervisor of waste management at site.
- .3 Develop Workplan in collaboration with all subcontractors to ensure all waste management issues and opportunities are addressed.
- .4 Submit copy of Workplan to Departmental Representative for review and approval.
  - .1 Make revisions to Plan as directed by Departmental Representative.
- .5 Implement and manage all aspects of Waste Management Workplan for duration of work.
- .6 Review and revise Plan once on site and as work progresses addressing new opportunities for diversion of waste from landfill.

1.3 WASTE REDUCTION

- .1 Based on waste management plan identify materials to be:
  - .1 Salvaged by Contractor.
  - .2 Sent to recycling facility.
  - .3 Sent to waste processing/landfill site.
  - .4 Disposed of in approved landfill site.

- .2 Reduce construction waste by using practices which will minimize waste, such as:
  - .1 Use of a central cutting area;
  - .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 materials.

#### 1.4 MATERIAL SOURCE SEPARATION PROCESS

- .1 Develop and implement material separation process at commencement of work as part of waste management.
- .2 Provide on-site facilities to collect, handle and store anticipated, salvageable and recyclable materials.
- .3 Perform demolition and removal of existing structure components and equipment following a systematic deconstruction process.
- .4 Separate materials and equipment at site, carefully dismantling and stockpiling alike items for the following purposes:
  - .1 Salvaging reusable items not needed in project which Contractor may sell to other parties. Sale of such items not permitted on site.
  - .2 Sending to local approved disposal facility.
  - .3 Sending to regional approved disposal facility.
- .5 Establish methods whereby hazardous and toxic waste materials, and their containers, encountered or used in the course of work are properly isolated, stored on site and disposed of in accordance with applicable laws and regulations from authorities having jurisdiction.

#### 1.5 WORKER SUPERVISION

- .1 Provide adequate training to workforce, to emphasize purpose and worker responsibilities in carrying out the Waste Management Plan.

- .2 Waste Management Coordinator: designate full-time person on site, having knowledge of the purpose and content of Waste Management Plan to:
  - .1 Oversee and supervise waste management during work.
  - .2 Provide instructions and directions to all workers and subcontractors on waste reduction, source separation and disposal practices.
- .3 Post a copy of Plan in a prominent location on site for review by workers.

#### 1.6 DISPOSAL REQUIREMENTS

- .1 Disposal of waste, volatile materials, mineral spirits, oil, paint, or unused preservative material into waterways, storm, or sanitary sewers is prohibited.
- .2 Dispose of waste only at approved waste processing facility or landfill sites approved by authority having jurisdiction.
- .3 Contact the authority having jurisdiction prior to commencement of work, to determine what, if any, demolition and construction waste materials have been banned from disposal in landfills and at transfer stations. Take appropriate action to isolate such banned materials at site of work and dispose in strict accordance with provincial and municipal regulations.
- .4 Transport waste intended for landfill in separated condition, following rules and recommendations of Landfill Operator in support of their effort to divert, recycle and reduce amount of solid waste placed in landfill.
- .5 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.

#### 1.7 CERTIFICATION OF MATERIAL DIVERSION

- .1 Prior to removal, verify the number of piles to be removed and report to the Departmental Representative. Confirm the number of piles once removed.

- .2 Submit to Departmental Representative copies of certified weigh bills from authorized waste processing sites and sale receipts from recycling/reuse facilities confirming receipt of building materials and quantity of waste diverted from landfill.
- .3 Compare actual quantities with projections made in Waste Management Plan.

**END OF SECTION 01 74 21**