

1 General

1.1 SECTION INCLUDES

- .2 Waste management plan.
- .3 Third party responsibilities.
- .4 Storage, Handling and Protection
- .5 Waste management plan implementation.
- .6 Disposal of waste.

1.2 WASTE MANAGEMENT PLAN

- .1 Draft Waste Management Plan: Within twenty (20) days after receipt of Notice of Award of Bid, or prior to any waste removal, whichever occurs sooner.
- .2 Contractor to submit a Draft Waste Management Plan to the Department Representative for review, refer to sample attached to the end of this Section.
- .3 Draft Plan shall contain the following:
 - .1 Analysis of the proposed site waste generated, including types and quantities.
 - .2 Landfill Options: The name of the landfill where trash will be disposed, the applicable landfill fees, and the projected cost of disposing of Project waste in the landfill.
 - .3 Alternatives to Landfill: A list of each material proposed to be salvaged, reused, or recycled during the course of the Project, the proposed local market for each material, and the estimated net cost savings or additional costs resulting from separating and recycling versus landfill each material; "Net" means that the following have been subtracted from the cost of separating and recycling:
 - .1 Revenue from the sale of recycled or salvaged materials, and
 - .2 Landfill tipping fees saved due to diversion of materials from the landfill. The list of these materials is to include, at minimum, the following materials:
 - .1 Cardboard.
 - .2 Clean dimensional wood.
 - .3 Beverage containers.
 - .4 Plastic buckets; waste can be reduced by using plastic lined cardboard dry packed materials instead of premixed moist packed materials where this option is available.
 - .5 Paint.
 - .7 Packaging, where recycling programs are available.
 - .8 Rigid plastic foam insulation, where recycling programs are available.
 - .4 Resources for Development of Waste Management Plan: The following sources may be useful in developing the Draft Waste Management Plan:
 - .1 Recycling Haulers and Markets: Investigate local haulers and markets for recyclable materials, and incorporate into Waste Management Plan.
 - .2 Recycling Economics Information: Information available to bidders with regards to estimating the value of recyclable costs is included in Waste Reduction Information for Bidders.

.5 Final Waste Management Plan: Once the Owner has determined which of the recycling options addressed in the draft Waste Management Plan are acceptable, the Contractor shall submit, within ten (10) calendar days a Final Waste Management Plan, containing the following:

- .1 Analysis of the proposed jobsite waste to be generated, including types and quantities.
- .2 Landfill options: The name of the landfill where trash will be disposed of, the applicable landfill tipping fees, and the projected cost of disposing of all Project waste in the landfill.
- .3 Alternatives to Landfill: A list of the waste materials from the Project that will be separated for reuse, salvage, or recycling.
- .4 Meetings: A description of the regular meetings to be held to address waste management, refer to Section 013100.
- .5 Materials Handling Procedures: A description of the means by which any waste materials identified in 1.5.3 above will be protected from contamination, and a description of the means to be employed in recycling the above materials consistent with requirements for acceptance by designated facilities.
- .6 Transportation: A description of the means of transportation of the recyclable materials, whether materials will be site-separated and self-hauled to designated centres, or whether mixed materials will be collected by a waste hauler and removed from the site, and destination of materials.
- .7 Where requirements are more stringent than the specified waste management plan the contractor shall conform to the following policy:

In addition all waste will be qualified by type of material and its weight. At a minimum the following products must be recycled: beverage containers, clean dimensional wood, corrugated cardboard, glass, metals and plastic.

After acceptance of their project proposal and before starting work, contractors must submit to the Departmental Representative a partially completed Waste Management Form. The form must include a list of expected waste materials and the recycling facilities to which contractors will take the waste. Contractors must also identify any waste materials that cannot be recycled or reused and must be disposed of in a landfill. If the contractors believe that they will not be able to recycle at a minimum to 50% of the project waste, they must receive written exception prior to beginning work.

1.3 THIRD PARTY RESPONSIBILITY

.1 Subcontractors shall cooperate fully with Contractor to implement the Waste Reduction Plan.

.2 Failure to cooperate may result in the Owner not achieving their environmental goal requirements and may result in penalties being assessed by the Contractor to the responsible Subcontractors.

1.4 STORAGE, HANDLING AND PROTECTION

.1 Store materials to be reused, recycled and salvaged in locations as directed by Consultant.

.2 Unless specified otherwise, materials for removal do not become Contractor's property.

.3 Protect, stockpile, store and catalogue salvaged items.

.4 Separate non-salvageable materials from salvaged items. Transport and

- deliver non-salvageable items to licensed disposal facility.
- .5 Protect structural components not removed for demolition from movement or damage.
- .6 Support affected structures. If safety of building is endangered, cease operations and immediately notify Consultant.
- .7 Protect surface drainage, storm sewers, sanitary sewers, and utility services from damage and blockage.

1.5 WASTE MANAGEMENT PLAN IMPLEMENTATION

- .1 Manager: Contractor to designate an on-site party (or parties) responsible for instructing workers and overseeing and documenting results of the Waste Management Plan for the Project.
- .2 Distribution: Contractor to distribute copies of the Waste Management Plan to the Job Site Foreman, each Subcontractor and the Departmental Representative.
- .3 Instruction: Contractor shall provide on-site instruction of appropriate separation, handling, and recycling, salvage, reuse, and return methods to be used by all parties at the appropriate stages of the Project.
- .4 Separation facilities: Contractor shall lay out and label a specific area to facilitate separation of materials for potential recycling, salvage, reuse, and return. Recycling and waste bin areas are to be kept neat and clean and clearly marked in order to avoid contamination of materials.
- .5 Hazardous wastes: Hazardous wastes shall be separated, stored, and disposed of according to local regulations.
- .6 Application for Progress Payments: Contractor shall submit with each Application for Progress Payment a Summary of Waste Generated by the Project:
 - .1 Failure to submit this information shall render the Application for Payment incomplete and shall delay Progress Payment.
 - .2 The Summary shall be submitted on a form acceptable to the Owner and shall contain the following information:
 - .1 The amount in tonnes or cubic metres of material land filled from the Project,
 - .2 The identity of the landfill, the total amount of tipping fees paid at the landfill, and
 - .3 The total disposal cost. Include manifests, weight tickets, receipt, and invoices.
 - .3 For each material recycled, reused, or salvaged from the Project,
the amount tonnes or cubic metres, the date removed from the job site, the receiving party, the transportation cost, the amount of any money paid or received for the recycled or salvaged material, and the net total cost or savings of salvage or recycling each material.
 - .4 Attach manifests, weight tickets, receipts, and invoices.

1.6 DISPOSAL OF WASTE

- .1 Burying of rubbish and waste materials is prohibited unless approved by authority having jurisdiction.
- .2 Disposal of waste into waterways, storm, or sanitary sewers is prohibited.

End of Section