

DIVISION 1 GENERAL REQUIREMENTS

SECTION 01 74 19 CONSTRUCTION WASTE MANAGEMENT

PART 1 - GENERAL

1.1 SUMMARY

- A. Drawings and general provisions of the Contract and other Division 1 Sections apply to the Work of all Sections.
- B. Section specified diversion of construction and demolition debris from landfill.
- C. Related requirements specified elsewhere include:
 - 1. Section 01 31 00, PROJECT MANAGEMENT AND COORDINATION
 - 2. Section 01 33 00, SUBMITTAL PROCEDURES
 - 3. Section 01 42 00, REFERENCES

1.2 SYSTEM DESCRIPTION

- A. In accordance with the requirements of the City of Sausalito the Contractor shall recycle construction and demolition materials.
- B. The City's Construction and Demolition Ordinance requires that at least 50 percent of all construction and demolition debris generated by this project be reused or recycled.
- C. The City has developed a standard Waste Management Plan and list of the City's permitted recycling transporters to assist the Contractor in meeting this requirement.
- D. A complete copy of the City's Construction and Demolition Ordinance, as well as a directory of construction and demolition recycling facilities in the Bay Area, are available from the City upon request.

1.3 DEFINITIONS

- A. "Conversion Rate" means the rate set forth in the Conversion Rate Table approved by the City of Sausalito for use in estimating the weight of materials identified in the Waste Reduction and Recycling Plan.
- B. "Divert" means to use material for any purpose other than disposal in a landfill or transfer facility.
- C. "Good faith" per the City of Sausalito's Construction and Demolition Debris Waste Reduction and Recycling Ordinance.
- D. "Net cost" means that the following have been subtracted from the cost of separating and recycling:
 - 1. Revenue from the sale of recycled or salvaged materials.
 - 2. Landfill tipping fees saved due to diversion of materials from the landfill.

- E. "Recycling Service means an off-site service that provides processing of material and diversion from landfill.
- F. "Hauler" means the entity who transports construction and demolition debris to either a landfill or a recycling service.

1.4 SUBMITTALS

- A. Submit specified Waste Reduction and Recycling Plan, included in Appendix of this Project Manual, to indicate how waste will be diverted from landfills.
- B. Submit completed Waste Reduction and Recycling Summary Reports forms, included in Appendix of this Project Manual, at the completion of the demolition work and at 50 and at 100 percent completion of the construction work.

1.5 QUALITY ASSURANCE

- A. Regulatory requirements:
 - 1. Comply with City of Dublin's Construction and Demolition Debris Waste Reduction and Recycling Ordinance.
 - 2. Approval of the Waste Reduction and Recycling Plan by the City of Sausalito is required before issuing a demolition, building permit, and beginning of demolition and on-site mobilization work.
- B. Recycling Service Company: See requirements for recycling transporters included in the Appendix of this Project Manual. Any recycling service that will certify in writing that accepted construction and demolition debris will be diverted from landfill, not dumped illegally, or dumped at sea.

1.6 WASTE MANAGEMENT PLAN

- A. Plan Development: The plan shall include the following information:
 - 1. The estimated volume or weight of project construction and demolition debris, by materials type to be generated; and
 - 2. The maximum volume or weight of such materials that can feasibly be diverted via reuse or recycling; and
 - 3. The estimated volume or weight of such material that will be landfilled; and
 - 4. If self-hauling the waste, the facilities proposed to recycle/landfill the debris; or
 - 5. If sub-contracting with a recycling transporter, the name of the transporter.
- B. Plan Review: The City will review and approve the Contractor's Recycling Plan prior to construction.
 - 1. Within 30 days after the project completion, the Contractor shall complete the remainder of the Waste Reduction and Recycling Form and return to the City with the appropriate receipts.
 - 2. If the City determines that the Contractor has not made a good-faith effort to comply with the City Ordinance, or if the Contractor fails to submit the documentation required within the required time period, then a reduction of \$10,000.00 towards payment on the Contract shall be made. These funds shall be deposited into a special account and used for the purposes of promoting recycling within the City.

- C. Plan Implementation:
1. Maintain log of each load, of each category item diverted from landfill. Log in separately debris sent to a Class III landfill and materials sent to recycling facilities.
 - a. Include in log, type of load, load weight, name of hauling service; recycling service or landfill, and date accepted by recycling service or by landfill.
 - b. Owner reserves the right to audit the log at any time, retain and make available, all weight tickets, copies of receipt and invoices.
 - c. Units of Measure: Use same units as stated in the approved plan "good faith" estimate of construction waste that would be generated if no remedial methods were implemented.
 2. Material handling
 - a. Separation Facilities:
 - 1) Designate a specific on site area or areas to facilitate separation of materials for potential reuse, salvage, recycling, and return.
 - 2) Keep waste bins and pile areas neat and clean. Clearly mark bins for each category of waste. Do not commingle non-recyclable waste with materials designated for reuse or recycling.
 - b. Environmental Controls During Handling, Storage, or Transport: Do not permit-designated materials to become contaminated or to contaminate site or surround areas.
 3. Training and Coordination:
 - a. Furnish copies of the Waste Management Plan to all on-site supervisors, each subcontractor, the City of Sausalito.
 - b. Instruction: Provide on-site instruction of appropriate separation, handling, and recycling, salvage, reuse and return methods to be used by all entities at the appropriate stages of the Project.
 - c. Meeting: Include construction waste management on the agenda of meetings. At a minimum, discuss waste management goals and issues at the following meetings:
 - 1) Pre-bid meetings.
 - 2) Pre-construction meeting.
 - 3) Regularly scheduled job-site meetings.
- D. Hazardous waste: Separate hazardous waste. Store and dispose of according to local regulations.

END OF SECTION

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