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SECTION 01505 CONSTRUCTION AND DEMOLITION WASTE MANAGEMENT

1.1 SUMMARY

- A. Section specifies the administrative and procedural requirements for diversion of non-hazardous construction and demolition waste from landfill.

1.2 SYSTEM DESCRIPTION

- A. Performance Requirement: It is a requirement of this Project that a minimum of 75 percent of non-hazardous construction and demolition debris be diverted from landfill.

1.3 DEFINITIONS

- A. Construction Waste: Building improvement materials and other solid waste resulting from construction, remodeling, renovation, or repair operations. Construction waste includes packaging.
- B. Demolition Waste: Building improvement materials resulting from selective demolition operations.
- C. Disposal: Removal off-site of demolition and construction waste and subsequent sale, recycling, reuse, or deposit in landfill or incinerator acceptable to authorities having jurisdiction.
- D. Recycle: Recovery of demolition or construction waste for subsequent processing in preparation for reuse.
- E. Salvage: Recovery of demolition or construction waste and subsequent sale or reuse in another facility.
- F. Salvage and Reuse: Recovery of demolition or construction waste and subsequent incorporation into the Work.
- G. Recyclable Materials:
 - 1. Products and materials that can be recycled may include, but are not limited to, the following:
 - a. Asphalt
 - b. Concrete
 - c. Plant debris
 - d. Metals (ferrous and non-ferrous), including banding, metal studs, ductwork, aluminum cans, and piping.
 - e. Mechanical and electrical products and equipment.

- f. Gypsum board.
- g. Paper.
- h. Cardboard.
- i. Wood products, including crates and pallets.(no painted or treated wood can be recycled.)
- j. Carpet.
- k. Plastics. (including plastic film)
- l. Copper wiring.

2. Final determination of actual recyclable materials will be based on the local recycling facility capability.

1.4 SUBMITTALS

- A. Waste Management Plan: Submit plan within 7 days of date established for the Notice to Proceed.
- B. Waste Reduction Calculations: Before request for Substantial Completion, submit copies of calculated end-of-Project rates for salvage, recycling, and disposal as a percentage of total waste generated by the Work.
- C. Recycling and Processing Facility Records: Indicate receipt and acceptance of recyclable waste by recycling and processing facilities licensed to accept them. Include manifests, weight tickets, receipts, and invoices.
- D. Submit other records, including records of sales and donations, as applicable and required to substantiate conformance with waste management goals.

1.5 WASTE MANAGEMENT GOALS

- A. General: Develop waste management plan that results in end-of-Project rates for salvage/recycling of 100% of concrete and asphalt and **[65]** percent by weight of total waste generated by the Work.
- B. The Contractor shall take a pro-active and responsible role in the management of construction waste, and shall require all subcontractors, vendors, and suppliers to participate in the effort.
- C. The Contractor shall establish a construction waste management program for this Project that includes, but is not limited to, the following;
 - 1. Salvage for resale.
 - 2. Salvage and reuse. (i.e.Return pots back to nursery)
 - 3. Recycling.
 - 4. Disposal.
- D. Only trash or waste materials that cannot be practically or economically reused or recycled shall be transported to the landfill.

1.6 WASTE MANAGEMENT PLAN

- A. General: Develop plan consisting of waste identification, waste reduction work plan, and cost/revenue analysis. Include separate sections in plan for demolition and construction waste. Indicate quantities by weight or volume, but use same units of measure throughout Waste Management Plan.
- B. Identify the off-site Recycling Service and Hauler of each designated debris item, who have agreed to accept and divert that item from landfill, and the proposed quantities. Schedule each item and list off-site Recycling Service and Hauler company name, telephone number, address, and person contacted. Visit www.stopwaste.org for *Builder's Guide to Reuse and Recycling, A Directory for Construction, Demolition & Landscaping Materials*.
- C. Waste Identification: Indicate anticipated types and quantities of demolition and construction waste generated by the Work. Include estimated quantities and assumptions for estimates.

1.7 PLAN IMPLEMENTATION

- A. Maintain log of each load, of each category item diverted from landfill. Log in separately debris sent to a Class III and/or Class II landfills and materials sent to recycling facilities.
 - 1. 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.
 - 2. Owner reserves the right to audit the log at any time, retain and make available, all weight tickets, copies of receipts and invoices.
- B. B. Material Handling:
 - 1. Separation Facilities:
 - a. Designate a specific on site area or areas to facilitate separation of materials for potential salvage or reuse, recycling, and return.
 - b. Keep waste bins and pile areas neat and clean. Clearly mark bins for each category of waste. Do not mix non-recyclable waste with materials designated for reuse or recycling.
 - 2. Do not permit designated materials to become contaminated or to contaminate site or surrounding areas.
- C. Training And Coordination:
 - 1. Furnish copies of the Waste Management Plan to all on-site supervisors and each subcontractor.
 - 2. Provide on-site instruction of appropriate separation, handling, and recycling, salvage or reuse, and return methods to be used by all entities at the appropriate stages of the Project.
 - 3. 3. Include construction and demolition debris management on the agenda of meetings. At a minimum, discuss waste management goals and issues at the following meetings:
 - a. Pre-construction meeting.
 - b. Regularly scheduled job-site meetings.

END OF SECTION