Above Green
MIDDLEBURG, VA

Construction and Demolition Waste Management Plan

Date: 3/27/2020

Project: UT Seay Building Addition
Description: LEED v4 BD+C University of Texas at Austin Sarah M. & Charles E. Seay Building Addition

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Waste Diversion Goals

- Divert at least 75% by {weight or volume} of the total construction and demolition (C&D) waste materials generated onsite.
- Plan to divert materials from at least five major material waste streams and implement plans for at least four waste streams (three waste streams under v4.1). Waste streams are defined by where the waste goes. Typically, a single material goes to a single waste stream; however, there are cases where a single type of material could go to multiple waste streams and conversely, where multiple materials go to a single waste stream. NOTE: Using a Certified Commingled Recycling facility (certified by the Recycling Certification Institute or approved equivalent) counts as two material waste streams.

Targeted Materials

- The following major waste streams that constitute at least 5% by {weight or volume} are targeted for diversion. See the "Expected Waste Streams & Disposal Procedures" table for additional materials that are targeted for diversion from landfill. The percentage shown is the approximate percent by {weight or volume} that each material comprises out of the total waste material.
    1. Metal - 5%
    2. Concrete - 25%
    3. Wood - 15%
    4. Cardboard - 5%
    5. Sheetrock - 10%

Separation Procedures

- Separate materials onsite into multiple containers labeled for each material type and/or commingle and sort off-site.
- See the "Expected Waste Streams & Disposal Procedures" table for additional diversion and handling information specific to each anticipated material stream.

Communication Plan

- An onsite, preconstruction meeting will be conducted with subcontractors to review the project's waste diversion goals and processes. Attendance is mandatory for the subcontractor's key field personnel. The purpose of the meeting is to reinforce participants' commitments to the project goals and requirements.

- Waste prevention and recycling activities will be discussed during each job meeting. Strategies for course correction will be discussed and implemented as needed if the project is not meeting diversion goals.
- Each contractor and subcontractor will be given a copy of this CWM plan and will be provided with instruction in appropriate disposal procedures. A tour of the waste management areas will also be conducted. Each subcontractor is expected to ensure his/her crews understand and comply with this plan.
- Bilingual signage must be affixed to all dumpsters.

Regular updates will be posted showing the progress to-date for achieving the project's waste recycling goals.

Contamination Prevention Measures

- A specific area will be designated onsite to facilitate separation of materials for potential recycling, salvage, reuse, and return.
- Container will be conveniently located. The containers will be well-marked and kept clean to prevent contamination.
- Waste containers will be labeled in English and Spanish, with acceptable/unacceptable materials posted. Signage can show a representative picture of the materials to be recycled.
- The contents of the small sorting bins will be periodically consolidated in the appropriate dumpsters.
- Sufficient containers will be provided, with clear signage.
- Containers will be securely covered when not supervised. Precautions will be taken to deter any contamination by the public.
- Hazardous wastes will be separated and stored in a specific area onsite, and will be disposed of in accordance with local regulations. They will be tracked separately and not included in the project's total waste.

Expected Waste Streams & Disposal Procedures

- The following waste materials are expected for this project and should be included in the diversion rate calculation. The table below indicates the disposal method and the appropriate handling procedure.

Waste Stream	Jobsite Disposal Method	Handling Procedure
Concrete/Asphalt/Masonry	Recycle separately or Commingle	Place in appropriate dumpster or place in commingled dumpster and haul to sorting facility
Scrap metal: Including rebar, steel studs, metal flashing, scrap hardware, embeds, hollow metal and aluminum frames, piping	Recycle in "Metal Only" container or Commingle	Place acceptable scrap metal in appropriate dumpster or place in commingled dumpster and haul to sorting facility
Wood products: Untreated wood, plywood, OSB, particle board, clean dimensional wood, wood pallets	Recycle in "Clean Wood Only" container or Commingle	Place wood, free of waste materials, that is unusable for construction in appropriate dumpster, or place in commingled dumpster and haul to sorting facility
Cardboard/Paper/Plastics	Commingle	Place in commingled dumpster and haul to sorting facility

Sheetrock	Commingle	Place in commingled dumpster and haul to sorting facility
All other non-recyclable C&D waste	Commingle	Place in commingled dumpster and haul to sorting facility

Additional Waste Materials

- The following waste materials are not included in the diversion rate calculation but must be tracked and reported separately in the project's construction waste report.

Waste Stream	Description/Information
Land-clearing debris	Land-clearing debris materials are natural (e.g., rock, soil, vegetation) and should be diverted from the landfill if possible.
Hazardous materials	Hazardous materials will be separated and stored in a specific area onsite and will be disposed of in accordance with local regulations.

Recycling Facilities and Processing Method

- The recycling facility and processing method for each anticipated diverted waste stream that is included in the diversion rate calculation is summarized below.

Waste Stream	Destination	Processing Information	Expected Diversion Rates
Concrete/Asphalt/Masonry	Texas Disposal Systems – Concrete Crushing Plant	Recycled into various uses, such as road base, pea gravel and aggregate	100%
Scrap metal	Texas Disposal Systems - Scrap Metal Yard	Recycled in the scrap metal market	100%
Wood	Texas Disposal Systems – Texas Organic Product (TOP)	Recycled into compost used on their customers' plant and flower beds through their Garden-Ville stores	100%
Cardboard/Paper/Plastics	Texas Disposal Systems – Material Recycling Facility (MRF)	Recycled into new products, can be reconstituted into the same product, as well as upcycled, using it in the original form for a new purpose	100%
Sheetrock	Texas Disposal Systems – Compost Production Yard	Recycled into soil amendment	100%

Tracking Procedures and Records

- All the construction and demolition waste leaving the site will be tracked.
- Waste hauler reports will be used for documentation.
- Estimated {weight or volume} of materials that are reused on site or salvaged for reuse on other projects by subcontractors or vendors will be recorded.
- Receipts will be retained and {weight or volume} will be estimated for materials donated to charities, reuse retailers, or other recipients that can verify and track incoming and outgoing materials.

Construction Waste Report

- A final report on all the waste for the project will be produced that includes the following information:
    - Total C&D waste produced by the project.
    - Types of waste material and quantity of each material.
    - Total waste diverted and diversion rate
        - Diversion rate = (Total C&D waste diverted from the landfill / Total C&D waste produced by the project) x100
    - Land-clearing debris or hazardous waste will not be included in the diversion rate calculation but the disposition of these materials will be separately.
    - Construction materials to be processed into alternative daily cover (ADC) will be included in the Total C&D waste produced by the project in the diversion rate calculation. ADC does not qualify as material diverted from disposal.