

### 01 74 19 - Construction Waste Management and Disposal

**Intent:** To have standardized guidelines in place for proper handling and disposal of construction waste. Improper handling of these wastes can pose direct threats to both public health and Maryland's natural resources.

To maintain accountability, the construction process should be broken down into phases of before, during, and after construction (or the planning/design phase, construction phase, and disposal/recycling phase). Proper construction and demolition waste management begins with considerate planning that maximizes durability, reuse of materials, and the ability to be repaired efficiently and effectively.

#### Prior to Construction

**Source Reduction/Minimization:** Minimize construction waste by reducing, reusing and recycling materials during all phases of construction and deconstruction.

Guidance taken from the U.S. Environmental Protection Agency (EPA) includes:

- Divert construction and demolition (C&D) materials from disposal by buying used and recycled products, practicing source reduction, preserving existing structures, as well as salvaging and reusing existing materials.
- Design for adaptability, disassembly, and reuse.
- Use durable materials that are worth recovering for reuse and/or recycling.
- Minimize the use of products utilizing multiple material types, and make connections visible and accessible to allow for easier breakdown.
- Use mechanical fasteners such as bolts, screws and nails instead of sealants and adhesives.
- Purchase recycled C&D materials using [EPA's Comprehensive Procurement Guidelines](#).

#### During and After Construction:

Construction waste must be disposed of at licensed, permitted facilities. The contractor is expected to maintain records of waste disposal invoicing and/or bill of lading for documentation to quantify off-site waste disposal. Contractors are not permitted to use any UMB-owned and operated dumpsters or compactors to dispose of construction waste.

Waste records must include the following information:

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1. Material(s)
  2. Hauler/destination facility
  3. Total quantity of waste (in tons)
  4. Quantity of waste salvaged, both estimated and actual tonnage
  5. Quantity of waste recycled, both estimated and actual tonnage
  6. Total quantity of waste recovered (salvaged plus recycled, in tons) and as a percentage of total waste disposed of

If the project is removing any trees or other plant material (see Standard 015639), this landscaping debris must be composted or mulched, with contractor providing invoicing/records to reflect the amount of landscaping waste composted or mulched.

Waste records shall be reported to the UMB Project Manager and UMB Office of Sustainability.

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