

Appendix C384

Sample Construction Waste Management Plan

Construction Waste Management Plan (SWMP)

Gilbane

February 2007

LEED TARGET LEVEL: Certified

ISSUE DATE: February 2007

SECTION 1

Waste Management Goals

This Construction Waste Management Plan is to be followed by all contractors and job site personnel during the construction of the [REDACTED] Office Building. The contents of this Plan as well as all waste handling/recycling requirements will be discussed at each safety orientation and will be made part of the Trade Contractors Weekly Tool Box Talk. In addition, each Trade Contractor shall sign a notification form confirming that they will adhere to the requirements of this Plan; failure to comply with the contents of this Plan as well as with the overall management process of all waste generated on this site will result in a \$750 fine per applicable Trade Contractor.

By effectively managing this Construction Waste Management Plan, we intend to recycle or salvage for reuse 75% by weight of the waste generated on site.

The plan outlines the expected wastes to be confronted on site, means of disposal and handling methods.

Gilbane will monitor, implement and document this plan throughout the construction of this project. Monitoring of on-site compliance with this plan will be performed by the Gilbane General Superintendent (or his designee) on a daily basis. Gilbane, unless otherwise stated in the individual Trade Contractor contract documents, will utilize a mixed waste construction and demolition facility to assist the project with meeting the recycling goal. This essentially means that a majority of the construction and demolition waste can be placed within a single thirty (30) cubic yard waste container. However, Gilbane will require that 100% of the following materials be recycled; labeled waste containers/staging areas will be provided for these waste streams at designated locations:

Paper
Cardboard
Wood crates
Plastic containers

In addition, Gilbane will provide labeled containers for all non-construction and demolition waste streams (e.g. food scraps, cups, bottles, cans). These containers will be placed within all designated break and lunch room areas. Also these materials must not be placed within any waste containers designated to contain construction and demolition waste.

In the event that the mixed waste construction and demolition waste recycling center is not able to meet the projects established goals, Gilbane will make arrangements with another vendor and will require certain construction waste streams to be segregated before leaving the site. If this occurs, Gilbane will provide further instruction to all trades regarding the need to separate out specific waste streams.

Documentation of the plan will consist of the following:

- Photographs of on-site activities taken on a monthly basis by the Gilbane LEED Coordinator
- Waste recycling and/or disposal receipts



- Trade Contractor and Vendor Waste Management Plans

The Gilbane LEED Coordinator will make site inspections on a monthly basis to review overall compliance with the plan; prepare a monthly spreadsheet depicting the waste recycling process; and be responsible for completing the applicable LEED Credit submittal.

SECTION 2

Expected Wastes, Disposal & Handling

The following table lists expected wastes on this project, their disposal method and handling procedures.

Source	Disposal Method	Handling Procedure
DEMOLITION & SITE PREP		
Topsoil	Stock pile on site for reuse on this project or other campus needs.	Stock-pile in accordance with the SWPPP
Other Soils	Stock pile on site for reuse on this project or other campus needs	Stock-pile in accordance with SWPPP
Site clearing waste (e.g. trees, branches bushes, etc.)	Recycle/process and divert from landfill	All brush, branches and trees will be chipped on site for use as an organic mulch
Bedrock	Recycle/ process and divert from landfill	Re-process bedrock and re-use on site within areas requiring applicable fill material
CONSTRUCTION ACTIVITIES		
Concrete, Masonry and Grout, including concrete wash-out debris	Recycle	Break-Up and put in concrete dumpster.
Metals	Recycle	Deposit in scrap metal dumpster
Wood, including crates and pallets if not able to be taken back by the applicable trade contractor	Recycle	Neatly stack reusable pieces in scrap area for reuse by any who need it. Place unusable wood in the mixed waste recycling dumpster.
Clean Sawdust	Recycle/process and divert from landfill	Clean saw dust will be collected and utilized as organic mulch
Cardboard	Recycle	Deposit in cardboard dumpster.
Carpet	Recycle	Protect from weather and set aside for vendor reclamation.
Office & News Paper	Recycle	Separate and deposit in bin to be stored adjacent Gilbane's construction office.
Bottles & Cans	Recycle	Separate and deposit in bin adjacent Gilbane's construction office.
Drywall	Recycle	Presently all drywall will be placed within the mixed waste recycling container. However, if a local drywall facility begins operation; efforts will be made to segregate and recycling this waste stream
All other wastes	Landfill	Deposit in rubbish dumpsters

SECTION 3

Trade Contractor Waste Management Plans

Gilbane has endeavored to identify as many practical means of recycling on site wastes to divert 75% of the projected wastes on this project from Landfills and shall arrange for the provision of either mixed waste dumpsters or, where applicable, segregated waste dumpsters for rubbish, scrap metal, wood, concrete & brick and cardboard through an independent hauler. However, Gilbane will not be able to document all waste on the project without the help of each and every Trade Contractor.

Therefore, where required within the individual Trade Contractors bid package, each successful Trade Contractor will be required to develop a Waste Management Plan specific to their scope of work. This Waste Management Plan shall include:

1. Waste Types
2. Methods of Disposal (denote “by Gilbane” if intent is to use one of the five segregated dumpsters).
3. Handling & Transportation Procedures (including documentation) for all waste not deposited into the dumpsters provided through Gilbane.

SECTION 4

Waste Management Progress Report (attached)

A copy of the master Waste Management Progress Report has been attached. The copy attached has estimated quantities that will be updated using actual quantities (once established). The actual quantities in the Master Report will be updated by Gilbane based on information provided by the following sources:

- Independent waste hauler and mixed waste recycling center
- Independent waste hauler sending separated waste directly to a recycling center
- Each Trade Contractor providing their own waste dumpster
- Each Trade Contractor process and reusing identified waste streams on the site

When applicable, each Trade Contractor shall be responsible for providing the following documentation for any waste generated on site that is not deposited in the dumpsters provided by Gilbane.

1. A record of the type and quantity, by weight of each material salvaged, reused, recycled or disposed in a manner other than that provided by Gilbane through their independent hauler.
2. Disposal Receipts. Provide copies of all receipts issued by a disposal facility for non-recyclable waste that is disposed in a landfill.
3. Recycling Receipts. Provide copies of all receipts issued by an approved recycling facility.
 - a. For co-mingled materials, include weight tickets from the recycling hauler or material recovery facility and verification of the recycling rate for co-mingled loads at the facility.

[REDACTED]

4. Salvaged Materials Documentation: Types and quantities, by weight, for materials salvaged for reuse on site, sold or donated to a third party.

This documentation will then be compiled by Gilbane in the Master Waste Management Progress Report.

SECTION 5

Anticipated Waste Vendors

Hauler

Facility

[REDACTED]

[REDACTED]

[REDACTED]