



Construction Waste Management Plan

Turner Construction Company will manage the project subcontractors to ensure the requirements for Credit MR2 – Construction Waste Management are completed. Every month, Turner will submit a compiled construction waste management plan to the LEED consultant (Booth Hansen). The report will compile the following reports:

BP1

-Monthly Summary Report from AREA Waste Disposal – Grunloh Construction Company

Grunloh Construction Company will recycle and/or salvage 75% of nonhazardous construction as required to achieve LEED Credit MR 2. All other contractor's waste (minus Poettker Construction (BP1) and Townsend Basement – Phase 1 & 2) will be handled through Grunloh Construction. Grunloh Construction Company will use comingled dumpsters on site. Waste products will be sorted by AREA disposal and include any nonhazardous items generated from construction. All project waste will be tracked in tons and will be tracked monthly through Area Waste Disposal. Please see Grunloh Construction Company attached construction waste management plan.

-Monthly Summary Report from Contractor's Disposal Inc. – Poettker Construction Company

Poettker Construction Company will recycle and/or salvage 75% of nonhazardous construction and demolition waste as required to achieve LEED Credit MR 2. All project waste will be tracked in tons and will be tracked monthly through Contractor's Disposal Inc.

BP2

-Monthly Summary Report from Contractor's Disposal Inc. – Poettker Construction Company

Poettker Construction Company will recycle and/or salvage 75% of nonhazardous construction and demolition waste as required to achieve LEED Credit MR 2. All other contractor's waste (minus Otto Baum Company) will be handled through Poettker Construction Company. Waste products will be sorted by Contractor Disposal Inc. and include rock, wood/brush, metal, plastic, cardboard, brick/block, MSW, and paper. All project waste will be tracked in tons and will be tracked monthly through Contractor Disposal Inc. Please see Poettker Construction Company attached construction waste management plan.

-Monthly Summary Report from AREA Waste Disposal – Otto Baum Construction

Otto Baum Company will recycle and/or salvage 75% of nonhazardous construction and demolition waste as required to achieve LEED Credit MR 2. All project waste will be tracked in tons and will be tracked monthly through Area Waste Disposal. Please see Otto Baum Company attached construction waste management plan.

The above reports will be compiled by Turner Construction on a monthly basis and attached to the overall construction waste management monthly report. All values will be tracked in tons.

Construction Waste Management Plan

Project Name:	Illinois Street Residence Dining Renovation and Addition
Project Address:	Champaign IL
General Contractor:	Grunloh Construction
Address:	101 West Temple Ave, Effingham IL
Contact:	Nick Roussey/Craig Himes
Telephone:	217-342-4157

Goals:

1. Grunloh Construction will notify each subcontractor to minimize waste through careful ordering of materials and packaging.
2. Waste reduction will be achieved through building design, and reuse and recycling efforts will be maintained throughout the construction process.
3. The construction waste management process shall operate with the underlying goal to minimize the consumption of natural resources as much as possible during the project.

Waste Prevention Planning:

Grunloh Construction will engage Area Disposal for all carting and recycling activities. Nick Roussey of Grunloh Construction will serve as the Recycling Coordinator, monitoring day-to-day waste management activities at the project site.

In accordance with design requirements for construction, waste management practices will be included in all work. The Division 15 Bid Package Contractor will contractually require all subcontractors to comply with the Construction Waste Management Plan. A copy of this Construction Waste Management Plan will be made available to all Subcontractors.

The Construction Waste Reduction Plan shall be implemented and executed as follows and as on the chart below:

1. Salvageable materials will be diverted from disposal where feasible.
2. All dumpsters will be taken to Area Recycling off-site transfer station to have all of the recyclable materials sorted and recorded.
3. Reports will be completed by Area Recycling on a monthly basis.
4. Grunloh Construction/Area Recycling will track recycled percentages of waste continually through the course of the project.
5. On completion of the project, Grunloh Construction will issue a final report with documentation.

Communication & Education Plan:

1. The Division 15 Contractor will conduct an on-site meeting with subcontractors. Attendance will be required for the subcontractor's key field personnel. The purpose of

the meeting is to reinforce to subcontractor's key field employees the commitments made by their companies with regard to the project goals and requirements.

2. The subcontractor will be expected via contractual obligation to make sure all their crews comply with the Construction Waste Management Plan.
3. Containers shall be located in close proximity to the building under construction in which recyclables/salvageable materials will be placed.

Expected Project Waste, Disposal, and Handling Procedure:

Material	Disposal Method	Handling Procedure
Wood	General Waste Dumpster	Offsite Separated, Recycle
Metals	Twin City Recycling Center	Contractor Trucking, Recycle
Packaging and Dunnage	General Waste Dumpster	Offsite Separated, Recycle

Location of Recycling Centers and Landfill:

Type of Material	Location of Center
Scrap Metal	Macks Twin City Recycling 2808 N Lincoln Urbana Il 61802



SUBMITTAL TRANSMITTAL

DATE: 4-Sep-18
PROJECT: UIUC ISRD BP-2 General Work
UIUC Project NO: U12054
TO: Rashad Hammoudeh
 Project Manager
FROM: Chris Poettker
 Project Manager
 Poettker Construction Company

SUBMITTAL NO: 017419 01 0
 Section Seq. Rev.
PCC PROJECT NO: 1844

SPECIFICATION TITLE: Waste Management Plan
SUPPLIER/SUBCONTRACTOR: Poettker Construction

Submitted Items:

Item No.	Sub Section	Description	Submittal Type
01		Work Plan	Report

Routing Sequence	Date Sent	Date Required	Number Copies	Action Taken
Subcontractor/Supplier: Poettker Construction	4-Sep-18	4-Sep-18	1	Submitted Note 1
Contractor: Poettker Construction	4-Sep-18	14-Sep-18	1	Approved Note 1

Action Legend: (Indicate on ACTION TAKEN column above)

- Approved
- Approved as Noted
- Revise and Resubmit
- No Action Required
- Submittal Not required by Contract Documents
- Project or Closeout Information

NOTE 1: Submittal transmittal to Architect indicates Contractor, and subcontractor has reviewed for compliance with the Contract Documents and had approved submittal.

REMARKS:

This review is for the general conformance with contract documents only. Any deviations from same not clearly noted by the Trade Contractor have not been reviewed. The Trade Contractor is responsible for confirming and correlating all dimensions at job site for tolerances, clearances, quantities, fabrication process, techniques of construction and applicable codes. This review does not relieve the trade contractor of contractual responsibility for any error or deviation from contract requirements.

ILLINOIS STREET RESIDENCE DINING
RENOVATION & ADDITION CONSTRUCTION
WASTE MANAGEMENT PLAN

INTENT

An estimated 40% of the nation’s waste stream is comprised of debris generated through construction and demolition (C&D) activity. Diverting these materials for reuse and recycling reduces the consumption of new resources, minimizes landfill waste and pollution, and can create value-added markets from waste material.

Recognizing the significant impacts of the built environment on natural resource consumption ILLINOIS STREET RESIDENCE DINING RENOVATION & ADDITION is pursuing LEED NC v2009 Silver certification. Diverting the C&D materials generated in the project’s development is a priority in the process.

WASTE DIVERSION GOAL

The primary objective of this plan is to initially limit the amount of generated construction waste on this project by requiring all contractors and material suppliers to limit quantities of materials and packaging to only those necessary for the project. Unnecessary construction waste generated on the jobsite due to excess materials being supplied to the jobsite defeats the primary objective of this Plan.

For construction waste that is generated the goal is to divert 75% or more (by weight) of the debris from construction & demolition activities from disposal in landfills and incineration facilities, and to redirect material resources for recycling and reuse.

DIVERSION MEASURES AND WASTE PREVENTION

The following tables provides an overview of the materials, disposal, and handling procedures for materials generated in the demolition of existing buildings, site preparation and construction of ILLINOIS STREET RESIDENCE DINING RENOVATION & ADDITION.

DECONSTRUCTION AND SALVAGE OPPORTUNITIES

Each project is unique, but recent successful experience has been made with salvaging or re-processing the following materials. As applicable to the project and to the greatest extent possible materials generated on this project will be salvaged and re-processed as listed.

Deconstruction, Salvage and Reuse Opportunities	
Material	Handling Procedure
Concrete	Scrap and loose materials can be crushed on-site and used for aggregate or delivered to processor to reuse or resell as clean fill back or crushed for aggregate.
Bricks and masonry units	Separate in designated area for processor to palletize and resell.
Wood Materials	Separate in designated area and can either be resold or ground and used for erosion control
Acoustical Ceiling Panels and Tile	Stack large clean pieces on wood pallets and store in a dry location.
Metal Suspension System	Separate metal members, including trim and other metals from acoustical panels and tile, and sort with other metals.
Carpet and Pad	Roll large pieces tightly after removing debris, trash, adhesive, and tack strips. Store clean, dry carpet and pad in a closed container or trailer provided by carpet reclamation agency or carpet recycler.
Carpet Tile	Remove debris, trash, and adhesive. Stack tile on pallet and store clean, dry carpet in a closed container or trailer provided by carpet reclamation agency or carpet recycler.
Piping	Separate in designated area for donation collection
Conduit	Reduce conduit to straight lengths and store by material and size.
Lamps	Separate lamps by type and store according to requirements in 40 CFR 273.

ON-SITE COLLECTION, STORAGE AND RECYCLING ACTIVITIES

Typically, (4–5) 20 or 40 yard open top containers will be on site for the duration of the project for the single stream collection of all construction debris other than soil and land clearing debris. Smaller containers will be located in break areas for the collection of food waste and soiled food containers.

EACH CONTRACTOR will be responsible for organizing and placing containers on site and timely removal & replacement when containers are filled to capacity. EACH CONTRACTOR will provide floor by floor areas of collection or hoppers to utilize for intermediate storage of Construction, Demolition & Land Clearing Debris (CDL) materials. Trade agreements and defined scope will determine who provides final transportation to job site dumpster.

All containers will be clearly identified with signage indicating stored materials.

Materials to be Recycled	
Material	Handling Procedure
Asphalt	Place in designated containers & dumpsters
Concrete	Place in designated containers & dumpsters
Metals	Place in designated containers & dumpsters
Wood & Lumber	Place in designated containers & dumpsters
Gypsum drywall (unpainted)	If not reused & donated, place in designated containers & dumpsters
Plywood, OSB, particle board	Place in designated containers & dumpsters
Glass	Place in designated containers & dumpsters
Tile	Place in designated containers & dumpsters
Flooring	Place in designated containers & dumpsters
Carpet & Carpet Pad	Separate and protect: reuse & recycle with manufacturer
Plastics	Place in designated containers & dumpsters
Beverage containers	Place in designated containers & dumpsters
Cardboard	Place in designated containers & dumpsters
Paper & newsprint	Place in designated containers & dumpsters

Other Handling Procedures		
Material	Handling Procedure	Disposal
Gypsum drywall (painted)	Place in designated dumpsters for landfill	LANDFILL
Painted or treated wood	If not reusable place in designated dumpster for landfill	LANDFILL
Insulation	Place in designated dumpsters for landfill	LANDFILL
Paint	Separate in designated areas on-site and protect. Paint can be donated for reuse or must be properly disposed of at a facility which accepts hazardous materials	REUSE or PROPER DISPOSAL
Electronic waste	Separate in designated areas on-site and protect. E-waste can as applicable be donated for reuse or must be properly disposed of at a facility which responsibly recycles e-waste	REUSE or PROPER DISPOSAL
Food scraps	Place in designated food scraps collection containers	LANDFILL or COMPOST

SEQUENCE AND TIMING

Prior to starting construction, a listing of quantity and type of CDL will be generated by each contractor. Decisions will be made at this time for such items as waste generation and collection locations on the jobsite, best practice methods to sort and separate on-site or off-site, access to site, etc.

Upon selection of partnered hauler and processing locations, a site specific plan should be developed and an estimated hauling cycle planned posted. EACH CONTRACTOR should submit Exhibits A and B.

Each contractor has been clearly notified of their duties and responsibilities for successful activities on this project with respect to CDL processing. This work will be incorporated into contractual obligations for each contractor.

MAINTENANCE ACTIVITIES

Based on the sequence and timing of construction activities, waste hauling containers will be strategically located on the site and will be clearly marked. As construction activities progress and CDL materials change content, waste hauling container identification will change. EACH CONTRACTOR will arrange for hauling containers and scheduling delivery & removal of containers with hauling provider.

Point of origin documentation will be kept on site and at the hauler & processor locations to maintain records of jobsite progress. Monthly reports should be generated as per Specification Section 01 74 19 Construction Waste Management and Disposal.

CONTAMINATION PREVENTION MEASURES

The following measures will be used in order to keep materials destined for reuse or recycling free of contaminants and wet waste:

- Designated area for material separation and storage: materials destined for reuse & donation or return to vendor shall have a designated area on site where materials can be safely stored and protected.
- Locate containers conveniently in various work areas. These should be well-marked, kept clean, and protected to prevent contamination.
- Ensure acceptable & unacceptable materials signage for waste management is posted in appropriate languages (eg English & Spanish, etc.) or includes pictures as need.
- Any containers near public right of way should be secured when not supervised to deter any contamination by the public.
- Designated areas for hazardous waste: hazardous waste will be separated, stored, and disposed of in accordance with local regulations.

RESPONSIBLE PARTIES

- This plan should be display in the jobsite trailer at all times and EACH CONTRACTOR is responsible for communicating and enforcing the plan during demolition and construction.
- EACH CONTRACTOR is responsible for ongoing reporting of waste diverted for recycling, waste landfilled, and the cumulative waste diversion rate.
- Hazardous waste will be managed by a licensed hazardous waste hauler. Electronic waste will be managed by a licensed electronic waste hauler.
- EACH CONTRACTOR is expected to assist in providing all necessary LEED documentation pertaining to MRc2 of the LEED NC v2009 rating system.
- All items reused & donated for reuse must be itemized with weight or volume included. Donation receipts are required. Any items reused on site for which no receipt can be issued must be photographed and volume (by weight) calculated or estimated.
- All sub-contractors are responsible for minimizing waste generated and maximizing waste diversion. All sub-contractors must adhere to the policies laid out in this plan.

EXHIBIT A

Construction Waste Management Contacts

Construction Manager	Turner
Waste Management Contact	Jonathan Vaughn
Phone	(312) 735-1629
E-mail	jvaughn@tcco.com

LEED Consultant	
LEED AP	Sarah Thompson
Phone	(312) 869-5020
E-mail	sthompson@boothhansen.com

Contractor	Poettker Construction
Waste Management Contact	Cody Kruse
Phone	(618) 974-9255
E-mail	ckruse@poettkerconstruction.com

Waste Hauler	Contractor's Disposal
Contact	Mike Ball
Phone	(309) 275-0967
E-mail	mball@contractorsdiposal.com

Waste Hauler	
Contact	
Phone	
E-mail	

Waste Hauler	
Contact	
Phone	
E-mail	



EXHIBIT B

WASTE ESTIMATES PRIOR TO WORK

Contractor: Contractor's Disposal

Waste Management Coordinator: Mike Ball

Phone number: (309) 275-0967

E-mail: mball@contractorsdiposal.com

Date: 08/31/18

MATERIAL	ANTICIPATED VOLUME (weight, lbs.)	HAULER
Asphalt		Contractor's Disposal
Concrete		Contractor's Disposal
Metals		Contractor's Disposal
Wood & Lumber, unpainted		Contractor's Disposal
Gypsum drywall, unpainted		Contractor's Disposal
Plywood, OSB, particle board		Contractor's Disposal
Glass		Contractor's Disposal
Tile		Contractor's Disposal
Flooring		Contractor's Disposal
Carpet & carpet pad		Contractor's Disposal
Plastics		Contractor's Disposal
Beverage containers		Contractor's Disposal
Cardboard		Contractor's Disposal
Paper & newsprint		Contractor's Disposal
		Contractor's Disposal
Gypsum drywall, painted		Contractor's Disposal
Wood & Lumber, painted		Contractor's Disposal
Insulation		Contractor's Disposal
Paint		Contractor's Disposal
Electronic waste		Contractor's Disposal
Food Scraps		Contractor's Disposal

August 10th 2018

ISR Dining BP 2 Division 23
Construction Waste Management Plan

Per scope requirements for LEED documentation on waste management for construction debris, Otto Baum Company Inc. will be utilizing Area Disposal Service and Area Recycling, Inc. to handle all construction debris for division 23 scope of work. We will be sorting debris into separate dumpsters for general refuse and masonry debris for recycle, which will be clearly marked as such. We will be providing monthly construction waste summary reports that will show dumpster usage, diverted materials as well as the monitoring of dumpsters to show that we are meeting the LEED requirements. Should you have any questions, please contact Aaron Moser at the numbers below.

<i>Debris Description</i>	<i>Action</i>	<i>Location Name</i>	<i>Location Address</i>
<i>General Refuse</i>	Sort and recycle at 75%	Henson	910 Saline Ct. Urbana, IL
<i>Clean Brick and concrete</i>	Recycle at 100%	Clinton Landfill	9550 Heritage Rd Clinton, IL

Kind regards,

Aaron Moser | Project Manager

Otto Baum Company, Inc. | 866 N. Main St. | Morton, IL 61550

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