

Site Waste Management Plan for 104-110
Charing Cross Road

Project No:
Rev No: 1
Rev Date: 29/11/2015

APPENDIX 8

Site Waste Management Plan

114-110 Charing Cross Road
London
WC2H 0oJN

Rev No: 1 Dated: 19/09/2016

Revision

Prepared by Darren Lees

Site Waste Co-ordinator

Initial SWMP
Approved by

Date 19/09/2016

Construction Director

Distribution			
Name	Location	Date	Sections Issued
Construction Manager			All
Project Manager	Office		All
Waste Coordinator	Site		All
Project Team	Various		All
All Subcontractors			All
Site Environmental Notice Board			All
Environmental Manager			All

This plan must be displayed on the Site Environmental Notice Board.

1.0 Introduction

The Client and Principal Contractor will take all reasonable steps to ensure that all waste from this site is to dealt with in accordance with Section 34 of the Environmental Protection Act 1990 (Waste Duty of Care), and the Environmental Protection (Duty of Care) Regulations 1991, and that all materials will be handled efficiently and waste managed appropriately.

This plan is to be reviewed and updated on a monthly basis. A review of the project will also be carried out on completion to compare the estimated quantities of each waste type against actual quantities, and estimate any cost savings.

1.1 Project Particulars and Responsibilities

Principal Contractor: TBC

Project Manager: TBC

Waste Co-ordinator: TBC

Client:

Client Contact:

Site Address:

Project Description:

Project works comprise of the 2 + roof garden storey extension to an existing building located at 104-110 Charing Cross Road to form 2 No. residential apartments

1.2 Client Waste Reduction and Reuse Measures

The following waste reduction and reuse measures have been included in the design and/or specification for this project:

- ☐ *Erection of prefabricated steel frame extension with minor structural modifications*
- ☐ *Panel type façade to extension*
- ☐ *Offsite M&E manufacturing be proposed where possible*
- ☐ *Prefabricated joinery works off-site*

2.0 Estimate of the Types & Quantities of Waste

It is estimated that this site will produce the following types and quantities of waste.

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Estimated Contract Value (in £Thousands):£1,440,000k

Source & Type of Waste	EWC Code	Approx %	Approx. Quantity of Waste (m ³)
Excavation Waste			
Hazardous Excavated Material	17 05 03*		m ³
Non-hazardous Excavated Material	17 05 04		m ³
Inert Excavated Material	17 05 04		10 m ³
Construction (Skip) Waste			
Approx. m³ Skip		<input type="text"/>	
10%	142 m ³		
Timber	17 02 01		28 m ³
Glass	17 02 02		0.5 m ³
Plastic	17 02 03		10 m ³
Mixed Metals	17 04 07		5 m ³
Insulation Materials (Non Haz)	17 06 04		2 m ³
Gypsum Based Materials (inc Plasterboard)	17 08 02		6 m ³
Other Mixed Construction Waste	17 09 04		10 m ³
Hazardous Construction Waste	Various		0.5 m ³
Mixed Packaging	15 01 06		15 m ³
Mixed Municipal Waste	20 03 01		4 m ³
Demolition Waste			
Mixed Hardcore	17 01 07	TBC	m ³
Timber	17 02 01	TBC	m ³
Glass	17 02 02	TBC	m ³
Plastic	17 02 03	TBC	m ³
Mixed Metals	17 04 07	TBC	m ³
Insulation Materials (Non Haz)	17 06 04	TBC	m ³
Asbestos (Haz)	17 06 01/05*	TBC	m ³
Gypsum Based Materials	17 08 02	TBC	m ³
Other Mixed Demolition Waste	17 09 04	TBC	m ³
Total Estimated Quantity of Waste:			81 m³

Management of Waste

The production of waste material on this site during the construction phase is to be avoided wherever possible by following the Reduce, Reuse, Recycle/Recover measures outlined below. Only where these routes have been exhausted should waste be sent for disposal.

2.1 Reduce and Reuse Measures

The following measures will be employed to reduce waste production on this site:

General

Waste Reduction Measures:

- ☑ Designed elements to use standard module sizes of available materials where practical.
- ☑ Accurate measurement, and minimal wastage will be allowed when ordering materials
- ☑ Materials are to be delivered just in time for the work package.
- ☑ Materials are to be stored and transported correctly so as to avoid damage.
- ☑ Materials are to be kept off the ground by the use of pallets or timber bites.
- ☑ The following components are to be prefabricated where practical:
 - o Internal walls
 - o Floor structure
 - o M&E installations
 - o Door sets
- ☑ All operatives are to receive training on the agreed reduction measures.

Excavated Material (Soil & Stones)

Waste Reduction Measures:

- ☑ Drainage levels to be raised, and back-dropped into manholes, to reduce excavation depths.
- ☑ Trenches to be sheeted rather than battered to reduce excavated material.

Hardcore

Waste Reduction Measures:

- ☑ Follow all general measures
- ☑ Tiles from existing roof to be salvaged.

Timber

Waste Reduction Measures:

- ☑ Follow all general measures
- ☑ Door sets with pre-cut architraves to be used.
- ☑ Reusable timber hoardings to be used.

Waste Reuse Measures:

- ☑ Softwood and plywood from formwork to be saved and re-used.
- ☑ Off-cuts of plywood to be saved and used to cover holes, and as protection to fragile materials.
- ☑ Designated area for waste timber to be set up for free reuse by others.

Packaging

Waste Reduction Measures:

- ☒ The following are to be delivered without packaging, or packaging is to be returned with supplier:
 - DX comfort cooling equipment and plumbing materials
 - Joinery items/doors etc
- ☒ The following are to be delivered in re-usable packaging, which will be sent back to the supplier:
 - o All kitchen cupboards
- ☒ The following are to be delivered in bulk packaging containers, rather than individual boxes:
 - o All light fittings
 - o Underfloor Heating Matts

Waste Reuse Measures:

- ☒ All protection on the following is to be fire-rated to allow for re-use after fixing:
 - o Door sets
 - o Kitchen cupboards and worktops
- ☒ Where timber pallets are delivered, these are to be reused on site wherever possible, and then sent back to the supplier for reuse.

Gypsum Based Materials (Inc Plasterboard)

Waste Reduction Measures:

- ☒ Follow all general measures
- ☒ Standard details to be used around door and window openings.
- ☒ Plasterboard contractor is to be set a target of 5% waste within their contract conditions, based on final fixed quantities of plasterboard. Anything over this amount will be chargeable.
- ☒ Plasterboard sheets size to be matched to storey height.
- ☒ Plasterboard sheets to be cut to size off site.
- ☒ Correct quantities of the required materials are to be pre-loaded out in work areas.
- ☒ Same workforce to carry out first and second fix works, and details.
- ☒ Off-cuts from plasterboard works will be stored on pallets for use in detail work near completion.
- ☒ Smaller off-cuts to be used for filling in within ceiling voids.
- ☒ Off-cuts from plasterboard works will be stored on pallets for use in detail work near completion.
- ☒ Smaller off-cuts to be used for filling in within ceiling voids.
- ☒ Plasterboard in temporary partitions is to be reused as inner skin of permanent walls wherever practicable.

Insulation Materials

Waste Reduction Measures:

- ☒ Follow all general measures
- ☒ Exact measure of insulation requirements

Waste Reuse Measures:

- ☒ Reuse off-cuts where practical

Metals

Waste Reduction Measures:

- ☒ Follow all general measures
- ☒ All structural beams etc to be delivered in correct dimensions

Waste Reuse Measures:

- ☒ Place waste reinforcement in stock area to be bent and reused for variations.
- ☒ Off-cuts from long pipework runs are to be stored for reuse in small runs.

Plastic

Waste Reduction Measures:

- ☒ Follow all general measures

Waste Reuse Measures:

- ☒ Off-cuts from long pipework runs are to be stored for reuse in small runs

Glass

Waste Reduction Measures:

- ☒ Follow all general measures
- ☒ Low level glass panels to be protected with salvaged plywood off-cuts

Waste Reuse Measures:

- ☒ Waste glass to be crushed and used as bedding to paving materials.

2.2 Recycle/Recover Measures

The following waste streams are to be segregated, stored in agreed locations, removed weekly for recycling/recovery off site:

- ☒ Uncontaminated excavation waste (17 05 04) in excess of the quantities required on site is to be taken off site for reuse at an exempt site.
- ☒ Mixed packaging waste (15 01 06) is to be deposited in bags/bins with brown signage. The waste management team will then remove these from the floors, segregate it into paper and cardboard, and plastic packaging, and compacted. This waste will then be removed off site for recycling by the packaging waste disposal contractor.
- ☒ Wood waste (15 02 01) is to be deposited in bags/wheelie bins with green signage. The waste management team will remove these to a central point for reuse by other trades on site.
- ☒ Mixed Metals (17 04 07) are to be deposited in bags/wheelie bins with blue signage. The waste management team will then remove these to the waste collection contractors vehicle for removal to their recycling facility for further treatment.
- ☒ Gypsum plasterboard waste (17 08 02) is to be deposited in bags/wheelie bins on each floor with white signage. The waste management team will then remove these the collection vehicle provided by the waste disposal contractor 4 for removal to their recycling facility for further treatment.
- ☒ All other waste (**with the exception of hazardous waste**) is to be deposited in the Mixed Waste

bags (17 09 04) for removal to the waste recycling contractors transfer station for further segregation and onward recycling.

2.3 Disposal Responsibilities

Subcontractors responsible for removing their own Non-hazardous waste are identified in section 4. Non-hazardous waste from all other subcontractors is to be segregated where required and deposited in the appropriate skip/bin as detailed above.

Canteen and office waste, which cannot be segregated into the above, is to be placed in the covered bin for disposal off site.

Details of all Non-hazardous disposal sites and contractors are contained within section 4.

2.4 Management of Hazardous Waste

Hazardous waste produced by Dalcon Superprime will be placed in the correct Hazardous waste receptacle, as identified by orange signage, for disposal by relevant companies detailed in section 5. The Site Waste Coordinator will check each item of waste prior to collection to confirm whether the waste is hazardous, and wherever possible render it non-hazardous for removal in general waste skips.

Hazardous waste produced by subcontractors will be removed off site by the subcontractor in accordance with the hazardous waste regulations. Their procedure for complying with these regulations, including details of carriers and disposers, is to be submitted to Dalcon Superprime for inclusion within the Site Waste Management Plan prior to removal.

Details of all hazardous waste disposal sites and contractors are contained within section 5

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3.0 Non-hazardous Waste Carriers and Disposers

Before any waste is removed from site you must obtain details of all Carriers, and their registration numbers, and Disposers, and their Waste Management Licence Numbers (or exemption reference or PPC permit numbers) for each waste stream produced, and insert those details into the waste management plan. You must ensure the disposal facility is licensed to take the waste you are sending it. The type of facility will determine the recycling percentages required for the Waste KPIs. Where waste is segregated, you may be able to insert 'Recycling Facility' as the disposal site.

DALCON SUPERPRIME/ Subcontractor	Waste Stream	Permitted EWC Code(s)	Carrier Name	Carrier Registration	Expiry Date	Disposer Name	Licence No.	Type of Disposal Facility (Transfer Station)
TBC	General Waste Skip (Mixed Construction Waste)	15 01 06, 17 01 07, 17 02 01, 17 02 02, 17 02 03, 17 04						
TBC	Municipal	20 03 01						
TBC	Mixed Metals	17 04 07						Recycling Facility?
TBC	Wood	17 02 01						Recycling Facility?
TBC	Plasterboard	17 08 02						Recycling Facility?
TBC	Packaging	15 01 06						Recycling Facility?
TBC	Muck Away	17 05 04						
Environment Agency Site Code:								

Dalton Superprime/ Subcontractor	Hazardous Waste Stream	EWC Code(s)	Carrier Name	Carrier Registration No.	Expiry Date	Disposer Name	Licence No.	Type of Disposal Facility (Transfer Station, Exempt Site, Recycling Facility, Landfill site)
TBC	Spray Cans	16 05 04*						
TBC	Fluorescent Tubes	20 01 21*						

5.0 Record of Waste Removed from Site

A record of all waste removed from this site will be recorded on the Waste Transfer Note Collation

6.0 Post Contract Review

This section of the plan is to be completed prior to the Post Contract Review, and discussed as part of the review meeting. The estimated quantities should be drawn from the table in section 2, and the actual quantities should be drawn from the waste **removed off site** as detailed in the Waste Transfer Note Collation Sheet.

6.1 Comparison of Estimated and Actual Quantities

Insert actual waste quantities from WTN Collation sheets. Where waste was segregated for removal off site, insert actual figures against the material type.

Source & Type of Waste	EWK Code	Estimated Quantity of Waste (m ³)	Actual Quantity of Waste (m ³)
Excavation Waste			
Hazardous Excavated Material	17 05 03*		
Non-hazardous Excavated Material	17 05 04		
Inert Excavated Material	17 05 04		
Construction (Skip) Waste			
Mixed Hardcore	17 01 07		
Timber	17 02 01		
Glass	17 02 02		
Plastic	17 02 03		
Mixed Metals	17 04 07		
Insulation Materials (Non Haz)	17 06 04		
Gypsum Based Materials (inc Plasterboard)	17 08 02		
Other Mixed Construction Waste	17 09 04		
Hazardous Construction Waste	Various		
Mixed Packaging	15 01 06		
Mixed Municipal Waste	20 03 01		
Demolition Waste			
Mixed Hardcore	17 01 07		
Timber	17 02 01		
Glass	17 02 02		
Plastic	17 02 03		
Mixed Metals	17 04 07		
Insulation Materials (Non Haz)	17 06 04		
Asbestos (Haz)	17 06 01/05*		
Gypsum Based Materials	17 08 02		
Other Mixed Demolition Waste	17 09 04		
Totals		0	0

6.2 Explanation of Any Deviation from the Original Plan

Explain below the reasons for any change from the original plan.

6.3 Estimate of Cost Saving

Detail below the estimated cost savings obtained by following the plan.