

**waste
management
plan**

Monument Design Partnership
ABN 14 663 815 996

2/117 Harris Street, Pyrmont
NSW 2009

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waste management plan

Our ref 2109/WMP
Date October 2023

Prepared for
Alex Al Dakkak

Project Address
17 Haig Avenue,
Georges Hall
NSW

LGA
Canterbury
Bankstown

Folio identifier
Lot 17 DP 8855

Land area
1281.4m²

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Introduction

The Applicant recognises the need to protect the environment and the advantages that can be achieved by considering ways of waste reduction, recycling and a corresponding reduction in landfill during the planning stage of this project.

Particular waste management guidelines and/or procedures will be proposed for:

- Onsite; during the excavation and construction phases; and
- Ongoing; for the residential life of the project.

The main objective of this plan is to reduce the amount of waste to be disposed of at landfill. Consideration has been given to the volumes and type of wastes to be generated (whether onsite or during occupancy) and provisions for waste facilities for storage and sorting for the possibility for reuse and or collection.

The ability to plan waste management may be restrictive under some circumstances due to storage capacity, nature of the waste and or its ability to be recycled or economic collection. However, it is envisaged that project goals can be achieved by co-operation of all parties associated with the project, for all those involved in the physical making of it as well as its future inhabitants.

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Onsite waste management

1. Management Statement

A more detailed waste management plan will be prepared, in coordination with the builder, for the Construction Certificate.

The builder will instigate a plan for onsite waste management for this project with the guidelines as described hereafter.

2. Statement of Responsibilities

Detailed below are the responsibilities of the assigned participants who will be encompassed in the waste management plan for this project:

2.1. Project Planners

The project planners are those who foresee the need to instigate waste management on the project and are responsible for financial implications that may benefit or otherwise the project viability.

2.2. Project Manager

The project manager will instigate the waste management plan and will ensure all site personnel, material suppliers and subcontractors are aware of the project goals and are committed to those goals.

2.3. Site Supervisor

The site supervisor is responsible for the on-site management of waste control, collection and sorting of specific recyclable materials and of other waste, the site supervisor will enforce the waste management procedure.

2.4. Subcontractors

All subcontractors will be required to comply with waste control, collection and sorting be instigated on the project. Specific material that may not be collected on site will be removed from site by the subcontractor responsible for its generation and where possible recycled.

2.5. Material Suppliers

Material suppliers will be instructed to restrict packaging to reduce excessive packaging and the extent of waste delivered to site.

2.6. Waste Collection Agency

Waste collection agencies are responsible for provision of appropriate collection bins, signage of specific collection bins, removal and transport of the specific waste to the point of recycling or to the appropriate disposal area.

2.7. Recycling Agencies

Recycling agencies are those organisations that are able to receive specifically sorted waste and recycle that material into new products.

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3. Waste Management Procedure

3.1. Bin Supplier

The waste management plan for 17 Haig Avenue, Georges Hall will call upon Waste Collection Agencies to provide collection bins for the accumulation of sorted select waste materials and the removal and transportation of those bins to recycling agencies.

3.2. Garbage & Recycling Bins

Sufficient areas will be provided for waste storage, sorting wastes and recyclables. Bins will be adequately sign posted as to the specific material to be deposited in each bin. All such areas will be located on ground level for easy access.

Individual bins shall be provided for the following materials on an as need basis, the following are suggested:

- *Light Loads Category 1* - for light building materials such as timber, Gyprock, plasterboard, plastics, metals, etc and domestic rubbish.
- *Heavy Loads Category 2* - for heavy building materials/demolition materials, including bricks, tiles, concrete, soil etc.
- *Bricks, Concrete and Tiles* - for any combination of the above with the inclusion of no other rubbish.

All recyclable material from the above will be sorted, sieved and recycled at the bin/skip provider's premises.

3.3. Access

All bins will be located on ground floor for easy access and collected from the street. Allocated areas may change during the process of demolition and construction, depending on the availability of space and locality of works.

Site access will be controlled ideally at one point and separate areas will be designated for delivery drop off and collection point, all to be clearly marked onsite and from the street.

3.4. Collection

Waste collection vehicles will access the garbage area to collect bins on a need basis; this will vary during the demolition and construction stages.

3.5. Excessive Packaging

The subcontractor or material supplier shall restrict packaging to the minimum necessary to protect the article from damage during transport and installation. Excessive packaging shall be removed from the site by the material supplier or the subcontractor. The method of disposal shall be confirmed with the Site Supervisor prior to removal.

3.6. Surplus Soils/Rock and Spoil

Surplus soil/rock and spoil shall be directed from landfills wherever possible. Method of disposal shall be confirmed with the Site Supervisor prior to removal.

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3.7. Contractual Responsibility

Consistent with the objectives of the waste management plan, all contracts involved in the demolition and construction phase is suggested to have a waste management clause that will enable common project goals to be achieved.

All site personnel shall be responsible to deposit the appropriate material in the allocated bin. Incorrectly deposited material shall be sorted by the party responsible.

3.8. Site Restrictions

The Builder will endeavour to ensure that the efficient management of access is carried out. Waste management practice must be upheld.

3.9. Deviations

Any deviations from the proposed waste management plan shall be submitted to the Site Supervisor for approval. Such deviations must be assessed against the main objectives of the plan.

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4. Waste materials handling

4.1. Demolition phase

This is the stage with the greatest potential for waste minimisation, particularly in Sydney where there are high levels of development, relatively high tipping charges and where alternative quarry materials are located on the outskirts.

The application considers if it is possible to re-use existing building materials, or parts therefore, for the proposed use. With careful on-site sorting and storage and by staging work programs, it is possible to re-use many materials, either on-site or off. Instead of simply pulling down a building, this waste management plan encourages the practice of recycling on site. This could require a number of colour-coded or clearly labelled bins on-site rather than a 'one size fits all' approach.

Section 1 | Demolition

Materials		Destination		
		Re-use and recycling		Disposal
Material	Estimated volume (m ² or m ³)	ON-SITE Specify proposed re- use or on-site recycling	OFF-SITE Specify contractor / recycling facility	Specify contractor and landfill site
Excavation	10m ³	Nil	Nil	Nil
Green waste	2m ³	Separated. Some chipped and stored for reuse in landscaping	Nil	Nil
Bricks	0m ³	Remove from site	Brandon Recycling Facilities	Nil
Concrete	13.5m ³	Remove from site	Brando Recycling Facilities	Nil
Timber - Hardwood/ Pine	25m ³	Reuse for formwork and roof structure. Chip for use in landscaping where applicable. Remove from site	Remainder to Aust Native Landscapes	Nil
Plasterboard	120m ²	Break up and remove from site	Brandon Recycling Facilities	Nil
Metals Copper/Zinc	2m ³	Nil	Sell and Parker Metal recyclers	Nil
Internals - tiles/ joinery / fittings	17.2m ²	Nil	Brandon Recycling Facilities	Nil

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4.2. Construction phase

The following measures should be considered when looking to save resources and minimise waste at the construction stage:

- Purchasing Policy – considering measures such as ordering the right quantities of materials and prefabrication of materials where possible;
- Reusing formwork;
- Minimising site disturbance, limiting unnecessary excavation; and
- Careful source separation of off-cuts to facilitate re-use, re-sale or efficient recycling; and Co-ordination / sequencing of various trades.

The following details are to be directed by the builder on site:

- Location of temporary storage space;
- Location of Waste Storage and recycling area(s), garbage and recycling room Site office Access for vehicles;
- Lunch shed; and
- Amenities shed.

The allocated Waste Storage and recycling Area should be flexible in size and layout to cater for future changes in use. The size can be calculated on the basis of estimated waste generation rates and proposed bin sizes.

Section 2 | Construction

Materials		Destination		
		Re-use and recycling		Disposal
Material	Estimated volume (m ² or m ³)	ON-SITE Specify proposed re-use or on-site recycling	OFF-SITE Specify contractor and recycling facility	Specify contractor and landfill site
Excavation	5m ³	Remove excess from site/use for fill where applicable	Kari & Ghossayn Land Fill	Nil
Green waste	1.3m ³	Nil	Nil	Nil
Bricks	2m ³	Remove from site	Brandon Crushing & Recycling	Nil
Concrete	4.6m ³	Nil	Nil	Nil
Timber (Please specify type/s)	2.8m ³	Chip remainder for use in landscaping	Remainder to Aust Native Landscapes	Nil
Plasterboard	34m ²	Reuse where required	Remainder to Boral Recycling Camelia	Nil
Metals Aluminium	3m ³	Nil	Sell and Parker Metal recyclers	Nil
Fittings, cardboard, plastic	1m ³	Nil	Nil	Collex Recycling Waste contractors

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Ongoing waste management**5. Management Statement**

Provisions for waste facilities have been allocated throughout the project to assist the management of wastes generated on the subject site during its occupational life.

Building management will instigate a plan for ongoing waste management for this project with the guidelines as described hereafter.

6. Statement of Responsibilities**6.1. Tenant**

The tenant will be responsible for providing and maintaining the ongoing waste management facilities and services at the subject site.

The tenant will instigate the waste management plan and will ensure all participants are aware of the project goals, committed to those goals and know their contributing roles of the plan.

6.2. Caretaker

The tenant will also act as caretaker to handle wastes in correspondence to Council's waste collection service. The caretaker's responsibilities include cleaning of the garbage area and transferring large item storage to the designated collection point.

6.3. Tenants

Residential tenants are responsible for the management of waste control within their own premises and in coordination with the routine garbage services.

6.4. Waste Collection Agency

The waste collection agency is responsible for provision of appropriate collection bins and typically a weekly collection services, this may be Council or a contracted party.

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7. Waste Management Procedure

Waste and recycling areas as well as collection arrangements are currently in place for the occupied dwelling and will continue the same once construction is complete.

7.1. Bin Supplier

Council will provide bins for all residential waste.

7.2. Garbage & Recycling Bins

Prominent signage will be provided within all designated waste handling areas, indicating correct use of bin.

Designated individual waste bins will be provided to each dwelling.

Council's garbage and recycling bins will be stored in the common garbage rooms allocated or areas on ground floor as noted on plans.

For the proposed 3 residential dwellings, provisions to accommodate the following have been allowed for:

- 1 x 140L garbage bin
- 1 x 240L recycling bin
- 1 x 240L green waste bin

7.3. Access

Individual designated garbage areas are proposed to all units, with access within immediate or close proximity to entry and/or garages.

7.4. Collection

Council will collect all residential waste. The collection point will be from the kerbside along 17 Haig Avenue, Georges Hall. Units 1, 2 & 3 will be responsible for transferring their own bins to the collection point.