

# WASTE MANAGEMENT PLAN

21 Walworth Avenue NEWPORT NSW 2106

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### Document Control

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## 1.0 INTRODUCTION

This report has been prepared by Humel Architects on behalf of Bruce Davis to accompany a Development Application to Northern Beaches Council (Pittwater) for the alterations and additions to 21 Walworth Avenue, Newport.

This Waste Management Plan (WMP) addresses waste management issues sufficiently for council to assess the development application.

## 2.0 DEVELOPMENT DESCRIPTION

### 2.1 EXISTING SITE

The existing area of the site containing the proposed new works is currently occupied by an existing lightweight timber weatherboard house with brickwork foundation and a metal roof.

### 2.2 DESCRIPTION OF WORKS

This application seeks approval for alterations and additions to an existing dwelling at 21 Walworth Avenue, Newport. The proposal involves the following:

#### **Lower Ground Floor Plan**

- Increase and widen existing driveway to suit a double garage;
- New garage door;
- Removal of an existing brick wall and piers and provision of a new brick wall and piers to structural engineer's details;
- New timber slat screen bin bay;
- Provision of a new laundry;
- New timber stairs and balustrade to a new veranda above;
- Existing garage to be extended and lowered;
- New internal stair between lower ground floor garage and ground floor hallway to be relocated to existing external stair location on eastern elevation (existing concrete stair removed);
- Removal of lower ground floor garage window (location of new stair landing and access);
- New brick retaining/foundation level wall to perimeter of new stair;
- New concrete footings to new stair and wall;
- External paving and pathway adjusted to suit new stair;

#### **Ground Floor Plan**

- Demolish existing stairs and structure at the front of the dwelling;
- New timber deck extension towards Walworth Avenue, with balustrade;
- Built-in BBQ and servery;
- New timber framed bi-folding window/doors to existing sunroom;

- New metal roof over new stair;
- New timber wall with weatherboard cladding to new stair (over brick retaining wall);
- New windows (x2) to ground floor (north and east elevations with new stair);
- Translucent windows/notation added to W01 and W02 to new stair;
- Ventilation compliance notes/calculations added to Drawing No 102\_C;

### **Roof Plan**

- Provision of new metal roof over new stair to entry on to eastern elevation;

## **3.0 WASTE MANAGEMENT**

### **3.1 OBJECTIVES**

- *To avoid, whenever possible, the generation of wastes.*
- *To recycle a minimum of 60% of all waste material generated on the site.*
- *Waste management will follow a preferred hierarchy of avoidance, re-use, recycle, treat and dispose. Best practice will be adopted wherever possible to achieve minimisation and reduction.*
- *To meet all relevant Council and legislative requirements, including Protection of the Environment Operations Act 1997 and Waste Avoidance and Resource Recovery Act 2001.*
- *To prevent pollution and damage to the environment.*
- *To provide the health and safety of workers, local residents and the public.*

### **3.2 CONSTRUCTION SITE ACTIONS**

#### **3.2.1 Planning**

Prior to commencement, each subcontractor will submit a plan for waste minimisation initiatives. All suppliers of building materials will be encouraged to nominate packaging minimisation and re-use initiatives.

#### **3.2.2 Construction**

Separate bins for recyclable and non-recyclable materials will be used during construction. Bins will be adequately labelled. Costs of "contamination" of recycling waste bins will be borne by the responsible subcontractor.

Washout processes and facilities for paint and finishing trades are to be minimised, and water recycling for the activities adopted where possible.

Suppliers will be encouraged to nominate products that include a recycled component and opportunity for recycling of unused components.

Education on the waste management system will be part of the site induction process.

The site will be protected by site fencing for the duration of the works.

### **3.2.3 Monitoring and Reporting**

The Contractor will be responsible for providing monthly reports on waste volumes and percentage recycling. Dockets showing evidence of appropriate disposal will be sighted. Non conformances with waste management requirements will be noted and addressed.

### **3.3 CONSTRUCTION WASTE REMOVAL**

Separated recyclable and non-recyclable, and hazardous, waste will be removed from the site and disposed of appropriately.

Waste materials generated through demolition, excavation and construction works are to be minimised by re-use onsite, recycling, or disposal at an appropriate waste facility.

### **3.4 BUILDING CONTRACTOR OPERATIONS**

Building contractor operations will be encouraged to adopt a well structured waste management plan that is in keeping with the principles outlined above.

Separated recyclable and non-recyclable, and hazardous, waste will be removed from the facility and disposed of appropriately.

## **OTHER CONSTRUCTION ISSUES**

### **4.1 MATERIALS HANDLING**

The predominant means of materials deliveries to the project will be via trucks and utility vehicles. Access to the site will be gained via Walworth Avenue.

### **4.2 TRAFFIC MANAGEMENT**

Traffic management will be conducted in accordance with development consent condition requirements and safe work practices. Excavation materials and/or importation of fill materials to and from the site will be minimal (less than 100m<sup>3</sup>).

All Transport works will not cause adverse disruptions or nuisance to adjoining residences, businesses or the street system.

### **4.3 WORKS IN THE PUBLIC DOMAIN**

All works undertaken within the public road reserve will be protected in a manner to ensure pedestrian and vehicular safety at all times.

All works undertaken on site or in the public road reserve will make provision for pedestrian and traffic flow and not adverse nuisance.

All works undertaken on a site or in the public road reserve will make good any damage or disruption to the public infrastructure.

#### 4.4 OCCUPATIONAL HEALTH AND SAFETY

The Contractor will be nominated as “Principal Contractor” as required under the OH&S Act.

This role will require the careful and controlled management of worker and public safety.

Detailed methodologies are yet to be developed, however typical approaches include job training, toolbox talks, alcohol and substance abuse checks, and implementation of emergency management plans.

The Contractor will be required to report on OH&S on a regular basis. Reporting items will include:

- Hazardous materials
- Dust control
- Site discharge

Issued By



Ben Humel

**Humel Architects Pty Ltd**

# NORTHERN BEACHES COUNCIL

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## Waste Management Plan

This plan is to be completed  
in accordance with Council's

## Waste Management Guidelines

**Effective Date: 1 November 2016**

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## Purpose of the Waste Management Plan

This *Waste Management Plan (WMP)* will detail the arrangements for waste management during all stages of development and occupation.

The WMP must be completed in accordance with the Waste Management Guidelines (Guidelines).

A completed WMP is a mandatory requirement for any Development Application (DA) for which Council is the Consent Authority. DAs that are submitted without a completed WMP will be rejected or refused by Council.

## Structure of the Waste Management Plan

All applicants are required to complete the 'Applicant and Project Details' part of the WMP and include it with the relevant Sections that apply to their proposed development.

The WMP is divided into Sections and applicants are only required to complete the relevant Sections in accordance with the Guidelines. The table below identifies which Sections are relevant to which development types.

For example, if the proposed development was to include demolition of an existing structure and construction of a single dwelling, the relevant Sections would be Sections 1, 2 and 3.

Section	Development Type <sup>^</sup>
<b>Section 1 – Demolition</b>	All
<b>Section 2 – Construction</b>	All
<b>Section 3 – On-going waste management for one or two dwellings</b>	One or two dwelling developments Mixed-use developments containing one or two dwellings
<b>Section 4 – On-going waste management for three or more dwellings</b>	Three or more dwelling developments Mixed-use developments containing three or more dwellings
<b>Section 5 – On-going waste management for non-residential and mixed use developments</b>	Commercial developments Industrial developments Mixed-use developments
<b>Section 6 – Private roadway developments</b>	Private roadways

<sup>^</sup>Note: the definitions of the development types are provided in Section vi of the Introduction to the Guidelines

## Property and Project Details

Complete this page and the relevant Sections that apply to your proposed development.

### Property Details

Lot No: Deposited Plan (DP) No: or Strata Plan (SP) No:	41 9877
Unit No: House No: Street: Suburb: Postcode:	21 Walworth Avenue Newport

### Project Details

Description of proposed development:	Alterations & Additions to an existing dwelling. New access stairs & extension of existing balcony
Structures to be demolished:	2 x concrete stairs with brickwork support walls + internal brick walls within garage + timber windows & timber glass doors



## Section 1 - Demolition

This section must be completed in accordance with 'Chapter 1 – Demolition' of the Waste Management Guidelines

MATERIALS ON SITE	DESTINATION					
	<i>Evidence such as weighbridge dockets and invoices for waste disposal or recycling must be retained on site for inspection</i>					
	REUSE AND RECYCLING (MOST FAVOURABLE)			DISPOSAL (LEAST FAVOURABLE)		
Types of Waste Material	Estimated Volume (m <sup>3</sup> ) or Weight (t)	<b>ONSITE RE-USE</b> ✓ Specify how material will be reused on site	<b>OFFSITE RECYCLING</b> ✓ Recycling Outlet (RO) ✓ Waste Transport Contractor (WTC)	<b>OFFSITE DISPOSAL</b> ✓ Specify landfill site (LS) ✓ Specify Waste Transport Contractor (WTC)		
			WTC	RO	WTC	LS
Excavated Material	9m3				Builder	Kimbriki Recycling Center
Garden Organics						
Bricks	8m3		Builder	Kimbriki Recycling Center	OPTION NOT AVAILABLE: These materials must be re-used or separated on or off site and sent for recycling.	
Tiles						
Concrete	12m3		Builder	Kimbriki Recycling Center		
Timber	2m3		Builder	Kimbriki Recycling Center		
Plasterboard						
Metals	0.5m3		Builder	Kimbriki Recycling Center		
Asbestos	Nil.					
Other waste (please specify)						
Estimated Total % Recovered						

Refer to the estimation tables in 'Chapter 1 – Demolition' of the Guidelines for assistance in completing this table.

The applicant must submit a Site Plan showing the structures to be demolished and storage areas for waste and construction materials (if the development also includes construction).

### WMP Checklist

Have you included the following:	Applicant Tick
A site plan showing: <ul style="list-style-type: none"> <li>• The structures to be demolished.</li> <li>• Storage areas for waste to be reused, recycled, or disposed of.</li> <li>• Materials storage (if the development also includes construction)</li> </ul>	<input checked="" type="checkbox"/>
The table on the previous page, completed in accordance with 'Chapter 1 – Demolition' in the guidelines.	<input checked="" type="checkbox"/>

## Section 2 – Construction

This section must be completed in accordance with 'Chapter 2 – Construction' of the Waste Management Guidelines

MATERIALS ON SITE	DESTINATION <i>Evidence such as weighbridge dockets and invoices for waste disposal or recycling must be retained on site for inspection</i>					
	REUSE AND RECYCLING (MOST FAVOURABLE)				DISPOSAL (LEAST FAVOURABLE)	
Types of Waste Material	Estimated Volume (m <sup>3</sup> ) or Weight (t)	<b>ONSITE RE-USE</b> ✓ Specify how material will be reused on site	<b>OFFSITE RECYCLING</b> ✓ Specify recycling outlet (RO) ✓ Specify Waste Transport Contractor (WTC)		<b>OFFSITE DISPOSAL</b> ✓ Specify landfill site (LS) ✓ Specify Waste Transport Contractor (WTC)	
* Please specify			WTC	RO	WTC	LS
Excavated Material	2m3	Reuse as fill				
Garden Organics						
Bricks	0.5m3	Crush & reuse as fill			OPTION NOT AVAILABLE: These materials must be re-used or separated on or off site and sent for recycling.	
Tiles						
Concrete	1m3		Builder	Kimbriki Recycling Center		
Timber*	0.5m3		Builder	Kimbriki Recycling Center		
Plasterboard	0.5m3		Builder	Kimbriki Recycling Center		
Metals*	0.5m3		Builder	Kimbriki Recycling Center		
Asbestos	Nil.					
Other waste*	1.5m3				Builder	Kimbriki Recycling Center
Estimated Total % Recovered	40%					

Refer to the estimation tables in 'Chapter 2 – Construction' of the Guidelines for assistance in completing this table.

The applicant must submit a Site Plan showing the structures to be demolished and storage areas for waste and construction materials (if the development also includes construction).

**WMP Checklist**

Have you included the following:	Applicant Tick
A site plan showing: <ul style="list-style-type: none"> <li>• The structures to be demolished.</li> <li>• Potential storage areas for waste to be reused, recycled, or disposed of.</li> <li>• Materials storage</li> </ul>	<input checked="" type="checkbox"/>
The table on the previous page, completed in accordance with 'Chapter 2 – Construction' in the guidelines.	<input checked="" type="checkbox"/>

### Section 3 – On-going waste management for one or two dwellings

This section is to be completed in accordance with ‘Chapter 3 – On-going waste management for one or two dwellings’ of the Waste Management Guidelines.

Type of development: Dwelling House

Number of dwellings: 1

#### WMP Checklist

Do your architectural and landscape plans include the following:	Applicant Tick
Waste Storage Area design requirements (Chapter 3.2.)	<input checked="" type="checkbox"/>
Waste Storage Area location requirements (Chapter 3.3.)	<input checked="" type="checkbox"/>

## Section 4 – On-going waste management for three or more dwellings

This section is to be completed in accordance with ‘Chapter 4 – On-going waste management for three or more dwellings’ of the Waste Management Guidelines.

Type of development: N/A

Number of dwellings: N/A

### WMP Checklist

Do your architectural/landscape plans include the following:	Applicant Tick	N/A
Waste Storage Area design requirements (Chapter 4.2.)	<input type="checkbox"/>	-
Waste Storage Area location requirements (Chapter 4.3.)	<input type="checkbox"/>	-
Pathway, access and door requirements (Chapter 4.4.)	<input type="checkbox"/>	-
Clean-up waste requirements (Chapter 4.5.)	<input type="checkbox"/>	<input type="checkbox"/>
Kerbside (on-street) waste collection requirements (Chapter 4.6.)	<input type="checkbox"/>	<input type="checkbox"/>
On-site (off-street) waste collection requirements (Chapter 4.7.)	<input type="checkbox"/>	<input type="checkbox"/>

## Section 5 – On-going waste management for non-residential and mixed use developments

This section is to be completed in accordance with ‘Chapter 5 – On-going waste management for non-residential developments’ and ‘Chapter 6 – On-going waste management for mixed use developments’ of the Waste Management Guidelines.

Type of development: N/A

Number of commercial premises: N/A

Number of Waste Storage Areas: N/A

### WMP Checklist

Do your architectural/landscape plans include the following:	Applicant Tick	N/A
Waste Storage Area design requirements (Chapter 5.2.)	<input type="checkbox"/>	-
Waste Storage Area location requirements (Chapter 5.3.)	<input type="checkbox"/>	-

## Section 6 – Private roadway developments

This section is to be completed in accordance with 'Chapter 7 – Private roadway developments' of the Waste Management Guidelines.

Type of development: N/A

Number of dwellings: N/A

(Only applicable for sub-divisions)

### WMP Checklist

Do your sub-division plans include the following:	Applicant Tick	N/A
Council's waste vehicle design requirements (Chapter 7.2.)	<input type="checkbox"/>	<input type="checkbox"/>
Waste Storage Area requirements (Chapter 7.3.)	<input type="checkbox"/>	<input type="checkbox"/>