

# WASTE MANAGEMENT PLAN - DEMOLITION

## PREPARED FOR:

**LOT 27, NO. 2 MARETIMO STREET, BALGOWLAH, NSW 2093**

## PROPOSAL DESCRIPTION:

The project involves demolishing existing incorporating sustainable waste management practices in compliance with Council guidelines.

## Date:

29/12/2024

## REPORT PREPARED BY:

MARKQ PTY LTD

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## 1.1. Requirements

This Waste Management Plan is developed to:

- Apply the waste hierarchy principle: avoidance, resource recovery, and disposal.
- Minimize waste sent to disposal and environmental impacts.
- Designate suitable areas for sorting, storing, and segregating demolition materials.
- Comply with environmental regulations, including handling of hazardous waste.
- Use licensed facilities for the recycling and disposal of materials.
- Maintain valid receipts and dockets for tipping and disposal for auditing purposes.

## 1.2. Reuse and Recycling Opportunities

### Reuse and Recycling Plan

Material	Volume (m <sup>3</sup> )	Reuse/On-Site Actions	Recycling/Off-Site Actions
<b>Excavation Material</b>	820.71	Reuse for site levelling or filling	Kimbriki Resource Recovery Centre
<b>Timber (Hardwood)</b>	9	Reuse as furniture, fencing, or mulch	Sent to second-hand timber suppliers
<b>Concrete</b>	18	Crush for road base or site levelling	Kimbriki Resource Recovery Centre
<b>Bricks/Pavers</b>	40	Reuse or crush for landscaping applications	Kimbriki Resource Recovery Centre
<b>Roof Tiles</b>	6	Reuse or crush for landscaping applications	Kimbriki Resource Recovery Centre
<b>Metals</b>	3	Reuse or recycle	Sent to metal recycling facilities
<b>Plasterboard</b>	4	Reuse for landscaping applications	Recycling facilities or return to supplier
<b>Asbestos</b>	2	Handled per hazardous material regulations	Licensed hazardous material facility

Other materials such as garden organics, glass, and fixtures will be sorted, stored, and sent to appropriate recycling facilities.

## 1.3. Estimating Demolition Waste

### Estimated Demolition Waste

Material	Volume (m <sup>3</sup> )	Weight (tonnes)
<b>Excavation Material</b>	820.71	Approx. 820.71
<b>Timber (Hardwood)</b>	9	Approx. 9.9
<b>Concrete</b>	18	Approx. 19.8
<b>Bricks/Pavers</b>	40	Approx. 52
<b>Roof Tiles</b>	6	Approx. 7.8
<b>Metals</b>	3	Approx. 1.95
<b>Plasterboard</b>	4	Approx. 3

## 1.4. Waste Conversion Factors

**Conversion Factors** (Source: Northern Beaches Council Guidelines):

<b>Material</b>	<b>Tonnes per m<sup>3</sup></b>	<b>m<sup>3</sup> per Tonne</b>
<b>Bricks</b>	1.3	0.8
<b>Concrete</b>	1.1	0.9
<b>Timber</b>	1.1	0.9
<b>Plasterboard</b>	0.75	1.3
<b>Steel</b>	0.65	1.5

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## 1.5. Conclusion

This Waste Management Plan ensures compliance with the Northern Beaches Council Waste Management Guidelines and maximizes recycling and reuse of materials during demolition.