

WASTE MINIMISATION & MANAGEMENT PLAN

PROJECT: PROPOSED AFFORDABLE HOUSING DEVELOPMENT

SITE ADDRESS: 108-114 RAWLINSON STREET BEGA NSW 2550

APPLICANT: SOUTHERN CROSS COMMUNITY HOUSING

PROJECT NO: 23-0044

DATE: 10 OCTOBER 2023


The following details outline the intentions for managing waste generated by this project, in accordance with Wollongong City Council Requirements.


Please find attached:

1. Proposal
2. Demolition Stage
3. Bulk Excavation
4. Construction Stage
5. Servicing and Ongoing Use of Premises



REVISION	DATE	DESCRIPTION
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Prepared By:	Arshia Chhibber	Signed:
Position:	Architectural Graduate	
Date:	10 October 2023	

Approved By:	Gabe Reed	Signed:
Position:	Associate Architect	
Date:	10 October 2023	



1. PROPOSAL

The proposed Residential Development consists of 52 units in a multi-dwelling setting and 2 boarding houses with 6 units each. Refer to drawings DA01-DA17.

This Plan includes the demolition, bulk excavation, construction, servicing and ongoing use of the proposed development.

2. DEMOLITION

The development involves the demolition of the existing residence and other small structures and the removal of vegetation.

Material	Quantity	Method			Destination
	Estimated vol (m3) or weight (t)	Recycled on-site	Recycled off-site	Disposal	
Timber	-		✓		Use for formwork on-site. Contractor to deliver remaining to Central Waste Management facility Wanatta Lane, Frogs Hollow
Plasterboard	2			✓	Contractor delivery to Central Waste Management facility Wanatta Lane, Frogs Hollow
Roof Iron	1.4		✓		Contractor delivery to Central Waste Management facility Wanatta Lane, Frogs Hollow
Concrete	6.8		✓		Contractor to segregate & delivery to Central Waste Management facility Wanatta Lane, Frogs Hollow
Bricks	-		✓		Contractor to segregate & delivery to Central Waste Management facility Wanatta Lane, Frogs Hollow
Asbestos	-			✓	If Asbestos is found, Contractor will deliver to appropriate resource recovery park. It will be appropriately wrapped, in accordance with Australian Standards.
Organics (green waste, vegetation)	-	✓	✓		Chipped on site for landscaping. Sold (or free) as firewood
Doors	.3		✓		Contractor delivery to second hand building yard
Carpet	-		✓		Contractor delivery to second hand building yard. If damaged, delivery to Central Waste Management facility Wanatta Lane, Frogs Hollow
Aluminium Windows	.2		✓		Contractor delivery to second hand building yard. If damaged, delivery to Central Waste Management facility Wanatta Lane, Frogs Hollow

3. BULK EXCAVATION

The proposal includes the bulk excavation with on site recycling and disposal at an approved landfill site.

Bulk Excavation	Estimated Volume	Location Landfill
Top Soil	238 m3	Reuse on site for landscaping
Compacted Fill	2300 m3	Reuse on site back fill
Clean Fill		Approved Land fill site – to be determined by Contractor



4. CONSTRUCTION

The construction waste, including volume, recycling and servicing requires servicing of material waste, general waste and recycling to be carried out on the site.

Material	Quantity vol (m ³) or weight (t)	Method			Destination
		Recycled on-site	Recycled off-site	Disposal	
Bricks & Blocks	3.4		✓		Contractor to segregate any excess and transport to Central Waste Management facility Wanatta Lane, Frogs Hollow
Concrete	8.4	✓	✓		Recycled on-site for back fill and builder to segregate any excess and transport to Central Waste Management facility Wanatta Lane, Frogs Hollow
Insulation material	3.8			✓	Contractor to transport to Central Waste Management facility Wanatta Lane, Frogs Hollow
Timber off-cuts	-			✓	Use for framework where possible, remaining to be transported by contractor to Central Waste Management facility Wanatta Lane, Frogs Hollow
Steel/metal off-cuts	3.6		✓		Return to supplier or to Central Waste Management facility Wanatta Lane, Frogs Hollow
Fibre-cement sheet	-			✓	Return undamaged sheets to supplier, remaining to be transported by contractor to Central Waste Management facility Wanatta Lane, Frogs Hollow
Plasterboard	3.5			✓	Return un-used sheets and off-cuts to supplier for recycling, remaining to be transported by contractor to Central Waste Management facility Wanatta Lane, Frogs Hollow
Paint & other drum type containers & surplus paint	0.4			✓	Separate and contractor to transport to Central Waste Management facility Wanatta Lane, Frogs Hollow
Sand	-	✓			Use in landscaping or site fill if needed, remaining to be transported to Central Waste Management facility Wanatta Lane, Frogs Hollow
Non-ferrous metals (copper pipe, electrical wires, alumin cans etc)	-		✓		Contractor to transport to Central Waste Management facility Wanatta Lane, Frogs Hollow
Tiles	1.5		✓		Return to supplier for re-use
Packaging (cardboard/ paper/ plastic wrap/timber etc)	-		✓		Use plastic wrap as covers on site. Where possible, return to supplier for re-use. Segregate cardboard for recycling with timber to chipping stockpile – no nails. Contractor to transport balance to Central Waste Management facility Wanatta Lane, Frogs Hollow
Plastic pipe off-cuts (water supply and drainage) & beverage containers	-		✓		Contractor to transport balance to Central Waste Management facility Wanatta Lane, Frogs Hollow
Other	-		✓	✓	Separate and transport for recycling where possible. Contractor to transport balance to Central Waste Management facility Wanatta Lane, Frogs Hollow

Important Note:

An area shall be set aside and shall be sufficient to locate the various waste streams (bricks & tiles, concrete, timber, steel, non-ferrous metals, plasterboard, pallets, plastics, cardboard, packaging, paint and paint drums and other waste). Space shall also be provided for bulk materials such as sand that are not stored in skips. This area shall be kept clear so that vehicles have ready access and manoeuvring room and shall also be kept in a tidy condition both for WHS reasons and to encourage separation of waste materials.

The waste management principles and facilities in use on the site shall be included as part of the site induction for all personnel working on the site and their correct use shall be rigidly enforced.

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5. SERVICING & ONGOING USE OF PREMISES

The following is proposed:

Multi-dwelling development and residential flat building

- Ten 660 litre garbage bins for units.
- Ten 660 Litre recycle bins for units.

Boarding Houses

- Two units share a 240 litre garbage bin
- Three units share a 240 litre recycling bin

Garbage and Recycling bins will be provided in accordance with the “Better Practice Guidelines for Waste Management and Recycling”, published by NSW Environment Protection Authority.

The rate of 120L/week/unit for garbage and 120L/fortnight/unit for recycling has been applied per unit excluding the boarding houses. This results in 6.24m³ of garbage to be collected weekly and 6.24m³ of recycling collected fortnightly. The bin enclosures have been positioned in different locations for ease of access to various units. Appropriate provisions have been made to allow for on-site collection for these bins.

A total of 5 x 240L bins (3 refuse bins and 2 recycling bins) are to be provided and stored in secure bin enclosures located in the site frontage behind the letterboxes. It is proposed that kerb side collection of waste will be via Councils contractor. The building manager (South Cross Housing to appoint) will organise bins to be removed and returned to the bin enclosure on collection days.

Proposed waste and recycling system

What type of waste & recycling system is proposed? Wheelie Bins and 660L

Waste system is clearly detailed in plans submitted as part of this Development Application



Amenity

Screened from public view

Minimises odour & noise impacts on residents & neighbours

Complements the building design & surrounds



Size

Large enough for the amount of waste generated

Sufficient size to accommodate waste containers

(If using wheelie bins), Street frontage is wide enough



Access

Waste storage area will be easily accessible for people to deposit waste

A realistic travel distance to walk to storage area

Wheelie bins can easily be move to kerb side

For on-site waste collection, suitable area for waste collector



Functional

Protected from weather

Secure from vandalism & illegal dumping

Functional waste storage inside the premises



Please note:

The above summary points have been extracted from Councils Requirements, Controls for Waste Minimisation and Management Policy in order to compile this part of the report.

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