



Site Waste Minimisation and Management Plan (SWMMP)

NOTE: The level of detail required for the [Site Waste Minimisation and Management Plan \(SWMMP\)](#) will vary with the size and complexity of the proposed development. For example, a DA seeking consent for a single dwelling house would normally require a very simple SWMMP, while a DA seeking consent for a large commercial or industrial complex is likely to require an extensive SWMMP that documents full details of proposed waste generation, management, recycling, storage and disposal measures.

Applicant and Project Details (All Developments)

Applicant Details	
Application No.	
Name	Elsa Torresi
Address	17B Main Arm Road, Mullumbimby
Phone number(s)	0407842394
Email	Torresi.elsa66@gmail.com
Project Details	
Address of development	13 Main Arm Road, Mullumbimby
Existing buildings and other structures currently on the site	Existing mechanical workshop
Description of proposed development	Construction of a multi-dwelling housing development (5 dwellings)
<i>This development achieves the waste objectives set out in the DCP. The details on this form are the provisions and intentions for minimising waste relating to this project. All records demonstrating lawful disposal of waste will be retained and kept readily accessible for inspection by regulatory authorities such as council, DECC or WorkCover NSW.</i>	
Name	
Signature	
Date	

Demolition (All Types of Developments)

Address of development: 13 Main Arm Road Mullumbimby

Refer to Section F3.1 of the DCP for objectives regarding demolition waste.

Most favourable



Least favourable

	<i>Reuse</i>	<i>Recycling</i>	<i>Disposal</i>	
Type of waste generated	Estimate Volume (m ³) or Weight (t)	Estimate Volume (m ³) or Weight (t)	Estimate Volume (m ³) or Weight (t)	Specify method of on-site reuse, contractor and recycling outlet and /or waste depot to be used
Excavation material				None
Timber (treated pine)				None
Concrete (workshop slab)		34m ³		Total estimated volume (unbulked) is 44m ³ . To be disposed to Myocum Landfill where it can be crushed and recycled.
Concrete (concrete area out the front of workshop)		10 m ³		
Bricks (from wood fired pizza oven)	2 m ³			To be retained by contractor for reuse.
Fibro garage cladding				None
Rock (retaining wall)				None
Metal (shed walls, roof, structure and fence)		35 m ³		Recycled at Myocum landfill
Glass windows	0.5m ³			Send to second hand suppliers
Furniture	10m ³			Send to second hand suppliers
Fixtures and fittings			5 m ³	Disposed of at Myocum landfill for recycling or reuse
Floor coverings (carpet)			7m ³	Dispose of at Myocum landfill for recycling
Packaging (used pallets, pallet wrap)				None
Garden organics	8m ³			Retain onsite for later landscaping.
Containers (cans, plastic, glass)				None
Paper/cardboard				None
Residual waste				None

Hazardous/asbestos waste (Fuel/chemical storage containers from mechanical workshop).			TBC	Fuel/chemical storage containers from mechanical workshop.
Other (Gravel at front and side of property)			40m ³	Disposed of at Myocum landfill for recycling or reuse

Construction (All Types of Developments)

Address of development: 13 Main Arm Road, Mullumbimby

Refer to Section F3.2 of the DCP for objectives regarding construction

Most favourable



Least favourable

	<i>Reuse</i>	<i>Recycling</i>	<i>Disposal</i>	
Type of waste generated	Estimate Volume (m3) or Weight (t)	Estimate Volume (m3) or Weight (t)	Estimate Volume (m3) or Weight (t)	Specify method of on site reuse, contractor and recycling outlet and/or waste depot to be used
Excavation material (topsoil stripping)	0m ³			None due to the established nature of the site in the vicinity of the proposed construction works.
Timber (framing)	12 l/m			To be retained by contractor and reused on next project.
Timber (decking)	12 l/m			To be retained by contractor and reused on next project.
Concrete (driveway / structure / pool)	4.5m ³			Assume 15 separate pours at 0.3 m ³ wastage per pour. Residual concrete to be reused by concrete supplier by placement in block wall mould.
Pipe (sewer - uPVC)	3.0 l/m			To be retained by contractor and reused on next project.
Pipe (water - HDPE)	3.0 l/m			To be retained by contractor and reused on next project.
Pipe (stormwater - uPVC)	3.0 l/m			To be retained by contractor and reused on next project.
Concrete blockwork	1.0 t			Half pallet to be retained by contractor and reused on next project.
Tiles	0.1 t			Retained on-site for later renovations if required.
Metal (Colourbond roofing)		0.05 t		Offcuts to be segregated onsite in skip bin/s and disposed by waste contractor to Myocum waste recycling facility.
Metal (reo)	0.1 t			Offcuts retained by contractor and reused on next project.
Glass		0.05 t		Allowance for breakage. Taken to landfill for recycling.
Plasterboard (offcuts)			0.1 t	Disposed to landfill as builders waste.
Fixtures and fittings				
Floor coverings - carpet			0.1 t	Disposed to landfill as builders waste.
Packaging (used pallets, pallet wrap)	5.0t			All pallets returned to supplier.

Garden organics				Reuse mulch and topsoil from demolition and site preparation phase.
Containers (cans, plastic, glass)		0.5m ³		Recycled through bin collection for property.
Paper/cardboard		1m ³		Packaging of fixtures and fittings to be segregated onsite in skip bin and disposed by waste contractor to Myocum waste recycling facility.
Residual waste			4m ³	Unusable pipe offcuts, timber offcuts, general waste, etc to be segregated onsite in skip bin/s and disposed by waste contractor to Myocum waste recycling facility.
Hazardous/special waste (specify)				

Ongoing Operation (Residential, Multi Unit, Commercial, Mixed Use and Industrial)

Address of development: 13 Main Arm Road, Mullumbimby

Show the total volume of waste expected to be generated by the development and the associated waste storage requirements.

	<i>Recyclables</i>		<i>Compostables</i> ^	<i>Residual waste</i> *	<i>Other</i>
	<i>Paper/ cardboard</i>	<i>Metals/ plastics/glass</i>			
Amount generated (L per dwelling per day)	3	3	1	15	-
Amount generated (L per dwelling per week)	21	21	7	105	-
Amount generated (L per development per week)	105		35	525	-
Any reduction due to compacting equipment	0	0	0	0	-
Frequency of collections (per fortnight)#	1		1	2	-
Number and size of storage bins required	5 (240L)		5 (240L)	5 (240L)	-
Total number of bins required for 5 dwellings	15 (240L)		15 (240L)	15 (240L)	-
Floor area required for storage bins (m ²)	1.8m ²		1.8m ²	1.8m ²	-
Floor area required for manoeuvrability (m ²)	3.6m ²		3.6m ²	3.6m ²	-
Height required for manoeuvrability (m)	1.2m		1.2m	1.2m	-

* Current "non-recyclables" waste generation rates typically include food waste that might be further separated for composting.

^ OR Added to Residual Waste until green bin available.

YELLOW LID RECYCLING bins are collected fortnightly. RED LID WASTE (landfill) bins are collected weekly.

Construction Design (All Types of Developments)

Outline how measures for waste avoidance have been incorporated into the design, material purchasing and construction techniques of the development (refer to Section B8.3.2 of the DCP):

Materials

The use of concrete for the ground floor is an efficient thermal design for this location.

The design incorporates energy efficient principles including the use of solar panels.

The construction contractor would prepare a schedule of material quantities based on the architectural drawings as part of their cost assessment for the construction quotation. Use and refinement of the schedule by the contractor as the project progresses should assist to reduce any errors in over-ordering materials.

Lifecycle

The primary construction material proposed in the structure for lower-level floor is concrete. With the correct concrete grade and steel cover, this is a durable product for use in this coastal location. The selection of appropriate materials for the coastal location will allow a building lifecycle commensurate with the applicable BCA residential development standards.

A concrete pavement is proposed for the access driveways which typically will have a longer design life than an asphalt pavement.

Detail the arrangements that would be appropriate for the ongoing use of waste facilities as provided in the development. Identify each stage of waste transfer between residents' units/commercial tenancies and loading into the collection vehicle, detailing the responsibility for and location and frequency of, transfer and collection.

Each dwelling will be provided with a 240L general waste bin, a 240L recycling bin and a 240L green waste bin. The general waste and the recycling bin is collected fortnightly and green bins are collected weekly.

The residents would be responsible for:

1. Sorting their household waste and recyclables into the correct bins.
2. Taking their bins to the kerbside collection location at the frontage of the property. The proposed kerbside pickup location is to the east of the proposed driveway entrance on Main Arm Road.
3. Collection of their bins following kerbside collection and storage within the designated area.

There is approximately 15m of kerb frontage available. Assuming each bin takes up 1.2m width allowing for pickup, then 12m of kerb would be occupied.

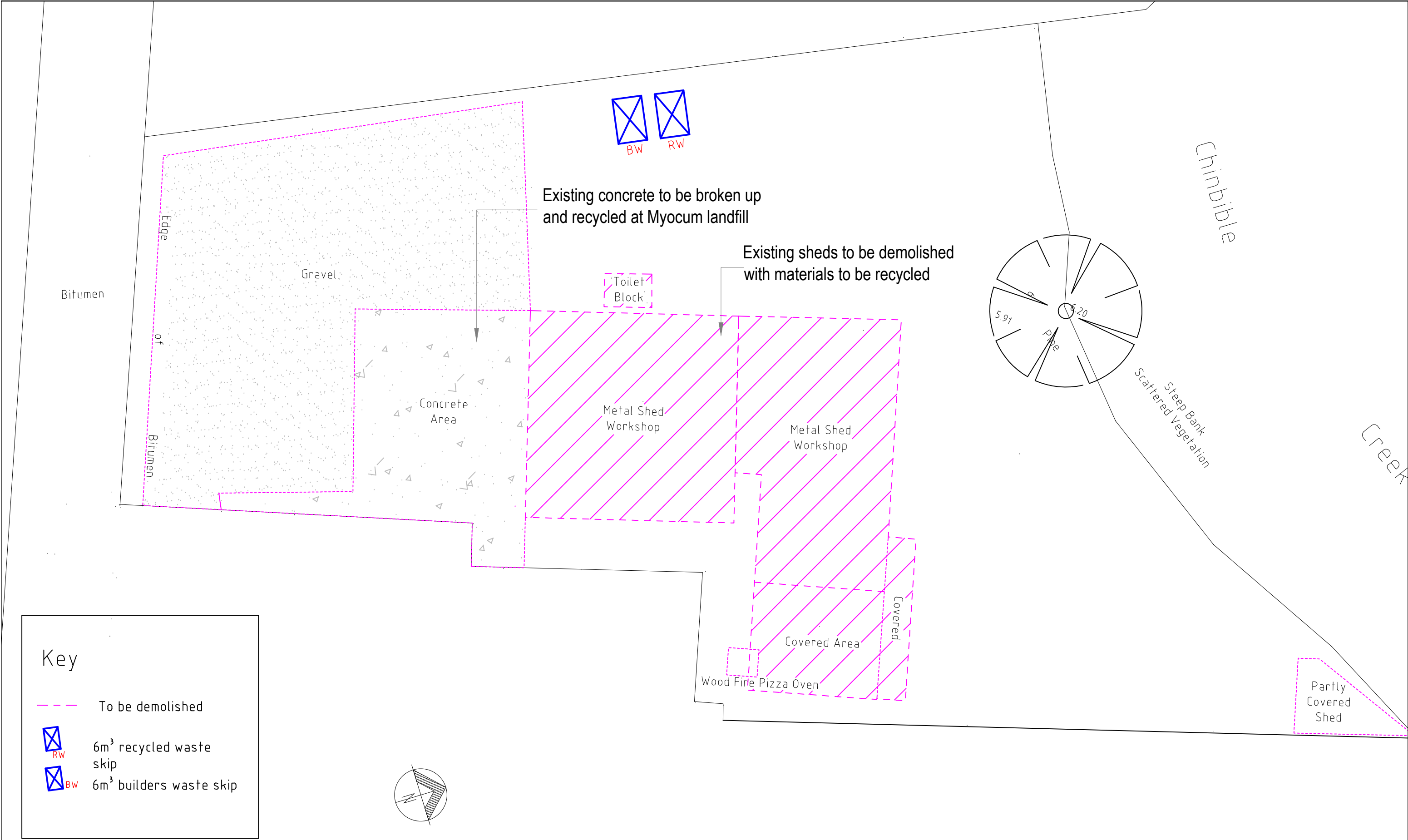
Plans and Drawings (All Developments)

The following checklists are designed to help ensure SWMMPs are accompanied by sufficient information to allow assessment of the application. Drawings are to be submitted to scale, clearly indicating the location of and provisions for the storage and collection of waste and recyclables during:

- demolition
- construction
- ongoing operation.

Demolition <i>Refer to Section F3.1 of the DCP for specific objectives and measures. Do the site plans detail/indicate:</i>	<i>Select Yes or No</i>		<i>Dwg Ref</i>
Size and location(s) of waste storage area(s)	Yes	No	GAA 23294_SWMMMP_DemolitionPlan
Access for waste collection vehicles	Yes	No	GAA 23294_SWMMMP_DemolitionPlan
Areas to be excavated	Yes	No	N/A
Types and numbers of storage bins likely to be required	Yes	No	GAA 23294_SWMMMP_DemolitionPlan
Signage required to facilitate correct use of storage facilities	Yes	No	GAA 23294_SWMMMP_DemolitionPlan
Construction <i>Refer to Section F3.2 of the DCP for specific objectives and measures. Do the site plans detail/indicate:</i>	<i>Select Yes or No</i>		
Size and location(s) of waste storage area(s)	Yes	No	GAA 23294_SWMMMP_ConstructionPlan
Access for waste collection vehicles	Yes	No	GAA 23294_SWMMMP_ConstructionPlan
Areas to be excavated	Yes	No	JBA DWGS
Types and numbers of storage bins likely to be required	Yes	No	GAA 23294_SWMMMP_ConstructionPlan
Signage required to facilitate correct use of storage facilities	Yes	No	GAA 23294_SWMMMP_ConstructionPlan
Ongoing Operation <i>Refer to Section F4 of the DCP for specific objectives and measures. Do the site plans detail/indicate:</i>	<i>Select Yes or No</i>		
Space			
Size and location(s) of waste storage areas	Yes	No	GAA 23294_SWMMMP_ConstructionPlan
Recycling bins placed next to residual waste bins	Yes	No	GAA 23294_SWMMMP_ConstructionPlan
Space provided for access to and the manoeuvring of bins/equipment	Yes	No	GAA 23294_SWMMMP_ConstructionPlan
Any additional facilities	Yes	No	n/a
Access			
Access route(s) to deposit waste in storage room/area	Yes	No	Side yard to kerb via Driveway

Access route(s) to collect waste from storage room/area	Yes	No	Side yard to kerb via Driveway
Bin carting grade	Yes	No	Max driveway grade is 2.5%
Location of final collection point	Yes	No	GAA 23294_SWMMP_ConstructionPlan
Clearance, geometric design and strength of internal access driveways and roads	Yes	No	n/a
Direction of traffic flow for internal access driveways and roads	Yes	No	n/a
Amenity			
Aesthetic design of waste storage areas	Yes	No	Bins will be out of view in side yards
Signage – type and location	Yes	No	Bins are labelled with coloured lids
Construction details of storage rooms/areas (including floor, walls, doors, ceiling design, sewer connection, lighting, ventilation, security, wash down provisions etc)	Yes	No	In yard of each dwelling



Rev	Revision Description	BY	DATE	THIS DRAWING IS CONFIDENTIAL AND IS THE PROPERTY OF GREG ALDERSON AND ASSOCIATES. IT MUST NOT BE DISCLOSED TO A THIRD PARTY, REPRODUCED, COPIED, OR LENT WITHOUT THE WRITTEN CONSENT OF THE PROPRIETOR. DO NOT SCALE DRAWINGS, USE FIGURED DIMENSIONS REFER COVER SHEET FOR NOTES UNLESS NOTED OTHERWISE	Greg Alderson Associates 43 Main Street, CLUNES NSW 2480 PO Box 12344, CLUNES NSW 2480 P:(02) 6629 1552 E:office@aldersonassociates.com.au W:aldersonassociates.com.au ABN 58 594 160 789	Client:		Title: DEMOLITION SITE WASTE MINIMISATION AND MANAGEMENT PLAN	ISSUE FOR CLIENT REVIEW			
0	ISSUED FOR DA	SN	21/12/23			Elsa Torresi			Drawn: SJ	Scale: As shown at A3	Scale: 0m5m10m Scale 1:200	
									Checked: SN	Original Size: A3		No. in set: 01 of 02
									Job Number: 23294	Drawing Number: 23294 SWMMP 01		
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Key

-  240L Waste Bin storage location after construction
-  6m³ recycled waste skip
-  6m³ builders waste skip
-  Bulding material stockpile

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						Checked:	Original Size:				No. in set:	
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