



## CLARKE DOWDLE & ASSOCIATES

DEVELOPMENT CONSULTANTS

SURVEYORS • PLANNERS • ECOLOGISTS • BUSHFIRE CONSULTANTS

# Waste Management Plan

Applicant Details	
Name	Clarke Dowdle & Associates
Address	PO Box 3122 Umina Beach 2257
Phone No	43443553
Email	admin@cdasurveys.ocm.au
Project Details	
Address of Development	293 Matcham Road, Matcham
Existing buildings and other structures currently on site	Dwelling-house
Description of Proposed Development	Erection of a dwelling-house
<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, OEH or Workcover NSW</i>	
Contact Name	Ravi Sharma
Signature	
Date	24 April 2017

## Demolition (All Types of Developments)

Address of Development: 19 Trafalgar Avenue, Woy Woy

	Reuse	Recycling	Disposal	
	Estimated Volume (m <sup>3</sup> ) or weight (t)	Estimated Volume (m <sup>3</sup> ) or weight (t)	Estimated Volume (m <sup>3</sup> ) or weight (t)	Specify method of onsite reuse, contractor and recycling outlet and / or waste depot to be used
Excavation Material				
Timber				
Concrete				
Bricks / Pavers				
Tiles				
Metal (Specify)				
Glass				
Furniture				
Fixtures & Fittings				
Floor Coverings				
Packaging (used pallets, pallet wrap)				
Garden Organics				
Containers (cans, plastic, glass)				
Paper / Cardboard				
Residual Waste				
Hazardous / special waste				
Other (specify) Plaster board				

## Construction (All Types of Developments)

Address of Development: 293 Matcham Road, Matcham

	Reuse	Recycling	Disposal	
	Estimated Volume (m <sup>3</sup> ) or weight (t)	Estimated Volume (m <sup>3</sup> ) or weight (t)	Estimated Volume (m <sup>3</sup> ) or weight (t)	Specify method of onsite reuse, contractor and recycling outlet and / or waste depot to be used
Excavation Material	10	5	5	Soil utilised on-site for footings and landscaping. Soil to be transported to other sites that require clean fill.
Timber	0.5		0.5	Small framing off cuts to skip bin
Concrete	1		1	Minor spill to be placed under driveway
Bricks / Pavers	1		1	Broken bricks to skip bin – to local landfill
Tiles				
Metal (Specify)	0.5		0.5	Colorbond off-cuts to recycle yard if sufficient lengths – otherwise to skip bin – to local landfill
Glass				
Furniture				
Fixtures & Fittings				
Floor Coverings	0.1			Small off cuts to skip bin to local land fill site
Packaging (used pallets, pallet wrap)	0.5		0.5	Small off cuts to skip bin to local land fill site
Garden Organics	10	10		Mulched for landscaping onsite
Containers (cans, plastic, glass)	1		0.5	Small off cuts to skip bin to local land fill site
Paper / Cardboard	1		0.5	Small off cuts to skip bin to local land fill site
Residual Waste	1		0.5	Small off cuts to skip bin to local land fill site
Hazardous / special waste				
Other (specify) Plaster board	0.3			Small off cuts to skip bin to local land fill site

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

Address of Development: 293 Matcham Road, Matcham

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

	Recycle		Compost	Residual	Other
	Paper / cardboard	Metal / Plastic / Glass			
Amount generated (L per unit per day)					
Amount generated (L per development per week)	60	60	120	120	
Any reduction due to compaction equipment	No	No	No	No	
Frequency of collections (per week)	1/fn	1/fn	1/fn	1	
Number and size of storage bins required	0.5		0.5	0.5	
Floor area required for storage bins (m <sup>2</sup> )	0.5		0.5	0.5	
Floor area required for manoeuvrability (m <sup>2</sup> )	0.5		0.5	0.5	
Height required for manoeuvrability (m)	1.8		1.8	1.8	

## CONSTRUCTION DESIGN (All types of Developments)

<b>Outline how measures for waste avoidance have been incorporated into the design, material purchasing and construction techniques of the development (refer to section 7.2.14 of the DCP)</b>
<b>Materials</b> Careful bill of quantities by builder to ensure that building materials are used or returned to the supplier for refund. Arrange for delivery of all materials to ensure that materials are used in an as needed basis.
<b>Lifecycle</b> Selection of materials which are in keeping with the existing palette which will prevent replacement of substandard products in years to come. Selection of quality paints will reduce the need to re-apply and minimise maintenance to the proposed structure.
<b>Detail the appropriate needs for the ongoing use of waste facilities including the transfer of waste between the residents or tenancy units, the servicing of waste location and frequent of waste transfer and collection. If truck access is required then engineering details are required.</b>
Servicing of waste collection is done via a council nominated contractor. Bins are to be located at the kerbside by the residents for collection on a weekly or fortnightly basis.

## Plans & Drawings

Address of Development: 293 Matcham Road, Matcham

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

The following checklists are designed to help ensure WMP 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 recyclable during:

- Demolition
- Construction
- Ongoing operation.

- **DEMOLITION**

Do the site plans detail/indicate:	Y/N
Size & location of waste storage areas	N
Access for waste collection vehicles	N/A
Areas to be excavated	N
Types and numbers of storage bins likely to be required	N
Signage required to facilitate correct use of storage facilities	n/a

- **CONSTRUCTION**

Do the site plans detail/indicate:	Y/N
Size & location of waste storage areas	N
Access for waste collection vehicles	N
Areas to be excavated	Y
Types and numbers of storage bins likely to be required	N
Signage required to facilitate correct use of storage facilities	n/a

## ONGOING OPERATION

Address: 293 Matcham Road, Matcham

<b>Space</b>	Y/N
Size and location of waste storage areas	n
Recycling bins placed next to residual waste bins	n
Space provided for access to and the manoeuvring of bins/equipment	n
Any additional facilities	n
<b>Access</b>	
Access route to deposit waste in storage room/area	Y
Access route to collect waste from storage room/area	Y
Bin carting grade not to exceed 10% and travel distance not greater than 100m in length	Y
Location of final collection point	n
Clearance, geometric design and strength of internal access driveways and roads	n
Direction of traffic flow for internal access driveway and roads	n
<b>Amenity</b>	
Aesthetic design of waste storage areas, including being compatible with the main buildings and adequately screened and visually unobtrusive from the street	Y
Signage type and location	n
Construction details of storage rooms/areas (including floor, walls, doors, ceiling design, sewer connection, lighting, ventilation, security, wash down provisions, cross and longitudinal section showing clear internal dimensions between engaged pier and other obstructions etc	n

## NOTES REGARDING ASBESTOS

Buildings built before 1988 may contain asbestos in the form of flat or corrugated sheets ('fribro') used for walls, ceilings and roofing, or in products such as pipes, electrical conduit and eaves. To prevent access to the area which may contain asbestos the site should be securely fenced. The site will need to be continually damped down so as not to cause runoff or sprayed with PVA to ensure that the asbestos cannot become airborne. This needs to continue until the site is cleaned up.

If asbestos is discovered during demolition, all work is to cease until the extent is determined and a suitably qualified and approved contractor is used to appropriately remove and dispose of all material.