

**APPENDIX 1: WASTE MANAGEMENT PLAN**

**WASTE MANAGEMENT PLAN**

- Must be completed and submitted to Camden Council with your Development Application.
- Shows what waste will be generated and what quantity.
- Indicate how waste will be avoided, reused on-site, recycled and disposed.
- Will be assessed on how it keeps disposal of waste to a minimum.

**Proposal:**

Site Address: \_\_\_\_\_  
\_\_\_\_\_

Applicant's name and address: \_\_\_\_\_  
\_\_\_\_\_

Phone: \_\_\_\_\_ Mobile: \_\_\_\_\_ Fax: \_\_\_\_\_

**Buildings and other structures on site:** *what is on the land now?* \_\_\_\_\_  
\_\_\_\_\_

**Description of Proposal:** *what do you want to do on the land?* \_\_\_\_\_  
\_\_\_\_\_

The details provided in the Waste Management plan are how I intend to treat waste during this project.

Applicant's signature: \_\_\_\_\_ Date: \_\_\_\_\_

## WASTE MANAGEMENT PLAN CHECKLIST:

- Have you provided applicant's name, address and phone number?  
YES            NO
- Have you noted the structures currently on site and details of your proposal?  
YES            NO
- Have you specified each material to be used on site?  
YES            NO
- Have you identified any hazardous and toxic materials (eg asbestos) and complied with Workcover requirements?  
YES            NO
- Have you specified who your recycling and waste contractors are?  
YES            NO
- Have you estimated how much general waste will be produced on your site?  
YES            NO
- Have you provided realistic volumes/tonnes?  
YES            NO
- Have you made sure not to over order on materials?  
YES            NO
- Have you investigated returning waste to the supplier? (eg plasterboard)  
YES            NO
- Have you maximised recycling & reuse of materials?  
YES            NO
- Have you specified your recycling and / or landfill, (if any), destinations?  
YES            NO

**DEMOLITION:**

**Show on site waste management on your plans:** location of container, separated materials, and treatment. Contractors are advised to retain dockets for auditing purposes.

Materials On Site		Destination		
		Reuse & Recycling		
Type of material	Estimated Volume of Material (m <sup>2</sup> / m <sup>3</sup> )	ONSITE Detail reuse or recycling	OFFSITE Detail contractor and recycling outlet	DISPOSAL Detail contractor and landfill site
<b>For example:</b>				
Excavation Material				
Greenwaste				
Bricks				
Concrete				
Timber – Type				
Plasterboard				
Metal – Type				
Glass				
Paper				
Food waste				
Other				

**CONSTRUCTION:**

**Show on site waste management on your plans:** location of container, separated materials, and treatment. Contractors are advised to retain dockets for auditing purposes.

Materials On Site		Destination		
		Reuse & Recycling		
Type of material	Estimated Volume of Material (m <sup>2</sup> / m <sup>3</sup> )	ONSITE Detail reuse or recycling	OFFSITE Detail contractor and recycling outlet	DISPOSAL Detail contractor and landfill site
<b>For example:</b>				
Excavation Material				
Greenwaste				
Bricks				
Concrete				
Timber – Type				
Plasterboard				
Metal – Type				
Glass				
Paper				
Food waste				
Other				

**ONGOING MANAGEMENT:**

Describe how you intend to ensure ongoing management of waste on-site (e.g. lease conditions, caretaker/manager on-site). Contractors are advised to retain docket for auditing purposes.

Address of development: \_\_\_\_\_  
 \_\_\_\_\_

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

	Recyclables		Compostables	Residual waste	Other
	Paper / cardboard	Metals / plastics /glass			
Amount generated (L per unit per day)					
Amount generated (L per development per week)					
Any reduction due to compacting equipment					
Frequency of collections (per week)					
Number and size of storage bins required					
Floor area required for storage bins (m2)					
Floor area required for manoeuvrability (m2)					
Height required for manoeuvrability (m)					

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## APPENDIX 2: GENERATION RATES

Type of Development	Development Classification	General Waste	Recycling	Greenwaste	Recommended Bin Types (W, R, G)#
Residential	General	80L/dwelling/week	Variable	Variable	W80L*, R240L, G240L
	Community Title	80L/dwelling/week	Variable	Variable	W80L*, R240L, G240L
	Town House	80L/dwelling/week	Variable	Variable	W80L*, R240L, G#
Residential Multi Unit Developments	Villas	80L/dwelling/week	60L/dwelling/week	#	W240L/3 dwellings, R240L/4 dwellings, G#
	1-3 Level Low Rise	80L/dwelling/week	60L/dwelling/week	#	W240L/3 dwellings, R240L/4 dwellings, G#
	4-7 Medium Rise	80L/dwelling/week	60L/dwelling/week	N/A	W1100L+Chute/12 dwellings, R240L/4 dwellings
	>7 High Rise	80L/dwelling/week	60L/dwelling/week	N/A	W1100L+Chute/12 dwellings, R240L/4 dwellings
Commercial (including Multi Unit Developments)	Boarding/Guest House, Backpackers Accommodation	40L/occupant/week	20L/occupant/week	#	#
	Food Premises				
	Butcher	80L/100m2 floor area/day	#	N/A	#
	Delicatessen	80L/100m2 floor area/day	#	N/A	#
	Fish Shop	80L/100m2 floor area/day	#	N/A	#
	Greengrocer	240L/100m2 floor area/day	120L/100m2/day	N/A	#
	Hairdresser	60L/100m2 floor area/day	#	N/A	#
	Restaurants	10L/1.5m2 floor area/day	2L/1.5m2 floor area/day	N/A	#
	Supermarket	240L/100m2 floor area/day	240L/100m2/day	N/A	#
	Takeaway	80L/100m2 floor area/day	#	N/A	#
	Hotel	5L/bed/day 50L/100m2 bar area/day 10/1.5m2 dining area/day	50L/100m2 bar & dining areas/day	#	#
	Licensed Club	50L/100m2 bar area/day 10/1.5m2 dining area/day	50L/100m2 bar & dining areas/day	#	#
	Motel (without public restaurant)	5L/bed/day 10L/1.5m2 dining area/day	1L/bed/day	#	#
	Offices	10L/100m2 floor area/day	10L/100m2/day	#	#
	Retail (other than food sales)				
Shops <100m2 floor space	50L/100m2 floor area/day	25L/100m2 floor area/day	N/A	#	
Shops 100m2 floor space	50L/100m2 floor area/day	50L/100m2 floor area/day	N/A	#	
Industrial	Expected waste generation shall be discussed and approved by Council**				#
Demolition	Expected waste generation shall be discussed and approved by Council**				Source separation skips
Construction	Expected waste generation shall be discussed and approved by Council				Source separation skips

\* Larger bins (120L or 240L) may be approved by Council upon request. NOTE: larger bins attract additional costs

\*\*Waste management provisions shall comply with: *Environmental Guidelines: Assessment, Classification & Management of Liquid & Non-liquid Wastes*

# Council will determine provisions based on each application

N/A: Not applicable to this development

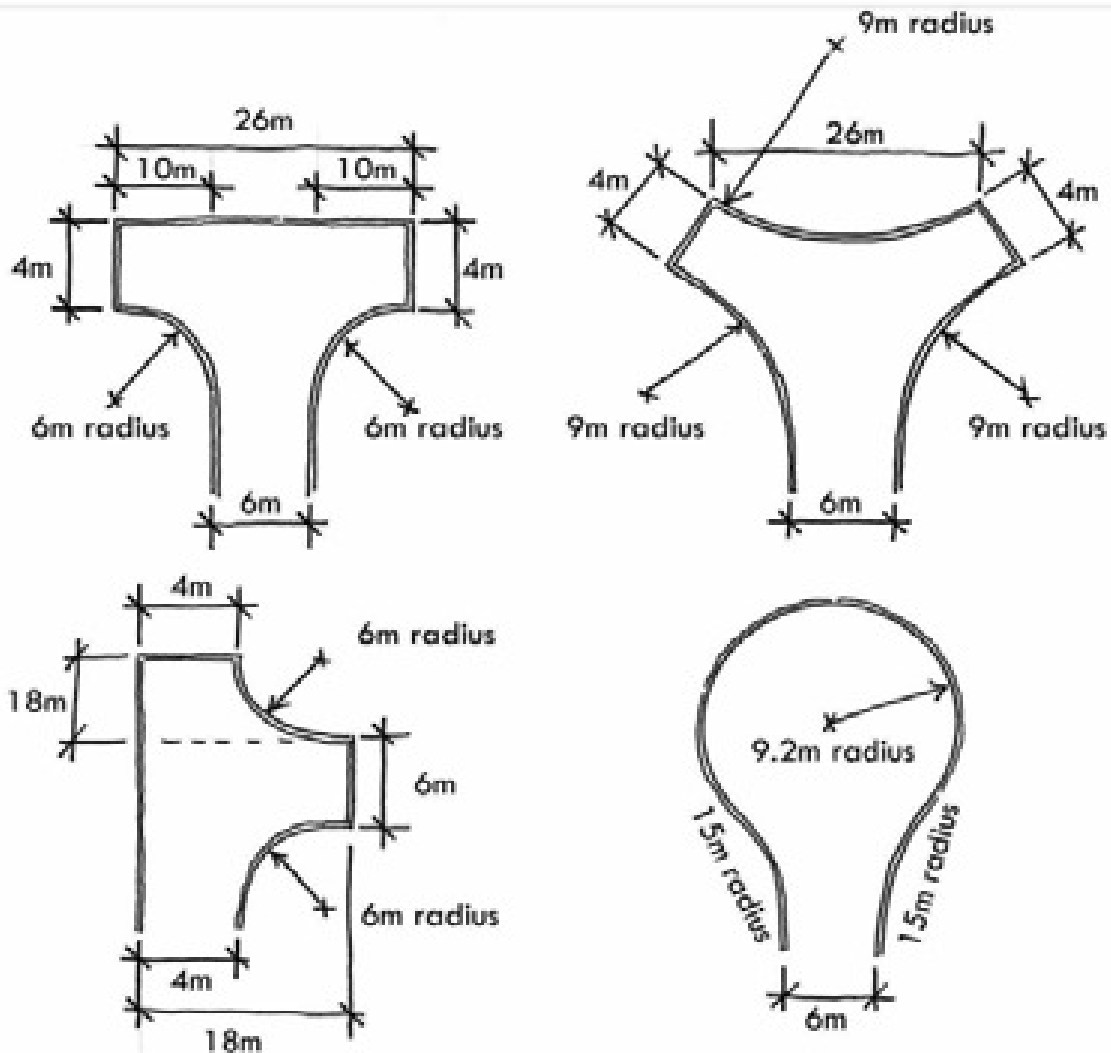
Source: NSW Department of Environment, Climate Change and Water (DECCW), Model 'Waste Not' DCP, 2008.

### APPENDIX 3 – TURNING HEADS

All turning heads including temporary turning heads are to abide by the dimensions illustrated below (not drawn to scale). The dimensions are required to be followed for heavy vehicle manoeuvrability without posing a hazard to either the community or staff.

Special consideration must be given to the placement of waste bin collection areas within a “T” (hammerhead) turning area of a cul-de-sac. Bin pads are to be provided in a “T” head on the left hand (forward end and 8 metres from the reverse end of the “T” head. This is to enable the trucks to pick up from the left-hand side of the truck.

**Note:** Waste bin pads are preferred on the straight road just before a cul-de-sac turning head to minimise the necessary manoeuvring of the waste collection trucks in a cul-de-sac head. All development applications are to identify the storage area of the waste bins behind the building line.



#### **APPENDIX 4: GARBAGE TRUCK DIMENSIONS**

This page includes information regarding the dimensions of garbage trucks that are typically used for the collection of residential waste. Developments that require Council garbage trucks to enter the site for the collection of residential waste must be designed to accommodate on-site truck movement.

Requirements regarding vehicle turning circles and driveway width/gradient are contained in Australian Standard 2890.2 2002/Planning Facilities — off street commercial vehicles.

It is recommended that an applicant speak with Council's Waste Services Coordinator in regards to the design of development proposals that involve garbage trucks entering the site. Services will not be provided where there are undue risks.

Length overall	9.85 metres
Width (vehicle)	2.5 metres
Width (extended arm grab)	6.0 metres
Operational height	4.3 metres
Travel height	4.3 metres
Weight (vehicle and load)	22.5 tonnes
Weight (vehicle only)	13 tonnes
Turning Circle	25.0 metres

**Typical Council Garbage Truck used for Domestic Waste Collection**



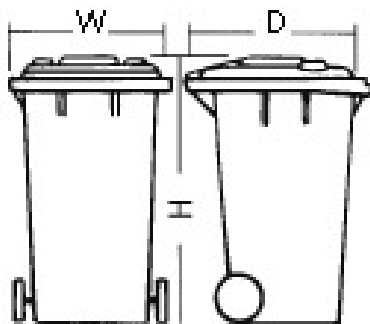
## APPENDIX 5: INDICATIVE BIN SIZES

Council currently provides three different size residual waste bins (red lid), which are 80 Litres, 120 Litres and 240 Litres. Domestic recycling and green waste bins are 240 litres only.

A 300mm gap between each bin is required, so the side arm grab does not knock the other bins over whilst collecting.

Additionally, a clearance space of 1 meter is required at the rear of each bin as it extends out into this area when being lifted for collection (i.e. allowing for the trucks lifting arm arc).

Bin type	Height	Depth	Width
80 Litre Bin	870mm	530mm	450mm
120 Litre Bin	940mm	560mm	485mm
140 Litre Bin	1065mm	540mm	500mm
240 Litre Bin	1080mm	740mm	580mm



**Note:** These dimensions are only a guide and differ slightly according to manufacturer, if bins have flat or dome lids and are used with different lifting devices.