

WASTE MANAGEMENT PLAN

GLENHAVEN GARDENS 146 GLENHAVEN ROAD, GLENHAVEN

DEVELOPMENT APPLICATION

Outline of Proposal

Site Address: 146 Glenhaven road, Glenhaven NSW 2158

Applicant's name and address: Christian Brethren Community Services

Brief Description of Proposal
Development Application
Construction of 12 independent living units as
part of an expansion to an existing residential
aged care facility

Prepared by: NBRSPARTNERS
Level 3, 4 Glen St Milsons Point NSW 2061
9 June 2017

STAGE ONE – DEMOLITION

Materials On-Site		DESTINATION		
		REUSE & RECYCLING		DISPOSAL
Type of Material	Estimated Volume (m³) or Area (m²) or weight (t)	ON-SITE • specify how materials will be reused or recycled on-site	OFF-SITE • specify the <u>contractor and recycling outlet</u>	• <u>landfill site</u> specify the <u>contractor and</u>
Excavation Material	Predominately cut and fill.	Reuse in landscape areas if fill is required		If excess - Penrith Waste & Landfill
Bitumen	30 m ³		Collex(or equal contractor) waste bins for removal, sorting and recycling.	
Road base	75 m ³		Collex(or equal contractor) waste bins for removal, sorting and recycling.	
Green Waste		Shred and mulch		
Bricks	NIL			
Tiles	NIL			
Concrete	10 m ³		Collex(or equal contractor) waste bins for removal, sorting and recycling.	
Timber - please specify	500 m timber sleeper driveway edging and timber fence		Collex(or equal contractor) waste bins for removal, sorting and recycling.	
Plasterboard	NIL			
Metals	500m2 - Sheet metal roofing,		Collex(or equal contractor)	

	wall cladding and fencing		waste bins for removal, sorting and recycling.	
Asbestos	NIL			
Other Waste e.g. ceramic tiles, paints, plastics, PVC tubing, cardboard.	NIL			

Demolition Waste Management

During the demolition, the site contractor will take full control and management of all demolition waste and recyclable materials. The Contractor will be required to develop procedures and submit them for approval to the Council as follows:

- a site specific Environmental Management plan will be developed and implemented by the building contractor in accordance with the NSW government Environmental Management System Guidelines.
- A site specific Waste Management Plan will be developed and implemented, which will include the monitoring of both recycled materials and waste materials with a targeted recycled content by weight of more than 60% of all construction waste

STAGE TWO – CONSTRUCTION

Materials On-Site		DESTINATION		
		REUSE & RECYCLING		DISPOSAL
Type of Material	Estimated Volume (m³) or Area (m²) or weight (t)	ON-SITE • specify how materials will be reused or recycled on-site	OFF-SITE • specify the <u>contractor and recycling outlet</u>	• <u>landfill site</u> specify the <u>contractor and</u>
Excavation Material	Refer Demolition			
Green Waste	Refer Demolition			
Timber - please specify			Collex(or equal contractor) waste bins for removal, sorting and recycling.	
Concrete			Collex(or equal contractor) waste bins for removal, sorting and recycling.	
Pavers		Broken pavers to be used behind retaining walls for fill	Collex(or equal contractor) waste bins for removal, sorting and recycling.	
Concrete blocks		Broken blocks to be used behind retaining walls for fill	Collex(or equal contractor) waste bins for removal, sorting and recycling.	
Plasterboard			Collex(or equal contractor) waste bins for removal, sorting and recycling.	
Sand / Soil		reused behind retaining walls for fill		

Metals			Collex(or equal contractor) waste bins for removal, sorting and recycling.	
Tiles		Undamaged tiles to be retained on site for future tile replacement	Collex(or equal contractor) waste bins for removal, sorting and recycling.	
Carpet		Large sections of carpet and spare carpet tiles to be retained on site for future carpet replacement.	Collex(or equal contractor) waste bins for removal, sorting and recycling.	
Other Waste e.g. ceramic tiles, paints, plastics, PVC tubing, cardboard.			Collex(or equal contractor) waste bins for removal, sorting and recycling.	

Construction Waste Management

During the construction, the site contractor will take full control and management of all construction waste and recyclable materials. The Contractor will be required to develop procedures and submit them for approval to the Council as follows:

- a site specific Environmental Management plan will be developed and implemented by the building contractor in accordance with the NSW government Environmental Management System Guidelines.
- A site specific Waste Management Plan will be developed and implemented, which will include the monitoring of both recycled materials and waste materials with a targeted recycled content by weight of more than 60% of all construction waste.

STAGE THREE – DESIGN OF FACILITIES

Waste Management principles

The following waste hierarchy will be used as the guiding principle:



Waste Minimisation Strategy

- Document and distribute details of the waste management system that is in place on site to all staff members
- Distribution of notices to all staff members encouraging waste separation
- All bins to be labelled and colour coded stating types of waste that can be deposited i.e. paper/cardboard bins, container recycling bins, garbage bins
- Educate staff members and residents of the details of items that can be disposed of into the various colour coded bins
- Any future change to regulatory requirements or to the developments' waste generation rates will require the church / operator to conduct a waste audit and revise the waste management system that is in place accordingly

The types of wastes generated by the proposed use and their treatment or collection method are described below.

WASTE TYPE	TREATMENT
Generally	Garbage will be managed internally by each unit resident and stored in bins provided within their kitchens. The residents will be responsible for the transfer of wastes to the open waste storage area adjacent to Unit 10 as shown on the architectural drawing DA-03. Allocated waste bins will be stored for the collection of these products prior to collection.
Recycling	<p>Recyclable waste will also be collected by each resident and stored in bins provided within their kitchens. The residents will be responsible for the transfer of wastes to the open waste storage area adjacent to Unit 10 as shown on the architectural drawing DA-03 prior to collection. This will include;</p> <ul style="list-style-type: none"> • Cardboard & Paper; Allocated waste bins will be stored for the collection of these products • Aluminium/Metal: Allocated waste bins will be stored for the collection of these products • Glass/ Plastics: Allocated waste bins will be stored for the collection of these products
Garbage	<p>The open waste storage area adjacent to Unit 10 as shown on the architectural drawing DA-03.</p> <p>Garbage collection and removal from the site will be organised by a contractor two times a week.</p>

ON-GOING MANAGEMENT

Wastes generating within the dwellings will be managed internally by the residents. General waste and recyclable waste bins will be provided in the kitchen of each dwelling. The residents will be responsible for the transfer of wastes to the open waste storage area adjacent to Unit 10 as shown on the architectural drawing DA-03. This arrangement is the same that used throughout the existing care facility.

The removal of waste from the site will be managed by specialist contractors. The current contractor who services the existing residential care facility is Veolia and this contractor's scope will be expanded to include the additional 12 units. The existing arrangement is for bins to be emptied two times in a week.

As part of the ongoing management of the facility procedures will be developed to establish, monitor and maintain the ongoing waste, in line with the *National Standards*.

The facility will continue to develop and formalise the facility Waste Management Plan (WMP) which will define the responsible persons and the process for management of the waste storage, removal and disposal.

WASTE VOLUMES

Please refer to the waste generation chart below:

Type of waste to be generated	Expected volume per week	Proposed on-site storage and treatment facilities	Destination
Recyclables	3,160 Litres	Waste Storage and recycling area	Recycling by waste contractor
General Waste	1,440 Litres	Waste Storage and recycling area	Disposal by waste contractor
Green Waste	2,200 Litres	Waste Storage and recycling area	Recycling by waste contractor