



# URAKAWA JENKINS ARCHITECTURE

## WASTE MANAGEMENT PLAN

DEVELOPMENT APPLICATION

ALTERATIONS AND ADDITIONS TO EXISTING RESIDENCE  
23-27 Calvert Pde Newport NSW 2106

[www.uj.net.au](http://www.uj.net.au)

PO Box 996 Newtown NSW 2042 | t: 0425 370 421 | e:admin@uj.net.au  
NSW Registered Architects Martin Urakawa No.6776 Zoe Jenkins No.7580

## INTRODUCTION

The following tables estimate the waste generated during the construction and operation of the proposed alterations and additions to the existing residence at 23-27 Calvert Pde Newport NSW 2106. Actual volumes may vary once works commence on site.

## DEMOLITION

Type of Waste	Reuse	Recycling	Disposal	Comment
Material properties	Estimated by volume (m <sup>3</sup> ) or weight (t)	Estimated by volume (m <sup>3</sup> ) or weight (t)	Estimated by volume (m <sup>3</sup> ) or weight(t)	On site reuse, recycling outlet and /or waste depot likely to be used.
Excavation material			3m <sup>3</sup>	Lucas Heights landfill
Timber			2m <sup>3</sup>	Seven Hills SITA Resource Recovery Centre (RRC)
Concrete				
Brick/ pavers	1m <sup>3</sup>	1m <sup>3</sup>		Seven Hills RRC
Tiles				
Metal ferrous		0.25 m <sup>3</sup>		Seven Hills RRC
Metal aluminum				
Metal copper				
Glass		0.5 m <sup>3</sup>		Seven Hills RRC
Furniture				
Fixtures and fittings			2m <sup>3</sup>	Lucas Heights landfill
Floor coverings			3m <sup>3</sup>	Seven Hills RRC
Packaging / pallets		3m <sup>3</sup>		Seven Hills RRC
Garden organics				
Containers can / plastic / glass		1m <sup>3</sup>		Seven Hills RRC
Paper cardboard		1m <sup>3</sup>		Seven Hills RRC
Residual waste				
Hazardous / special waste eg asbestos				None known. Contractor to advise if discovered for licensed removal
Other				

## CONSTRUCTION

Type of Waste	Reuse	Recycling	Disposal	Comment
Material properties	Estimated by volume(m3) or weight(t)	Estimated by volume(m3) or weight(t)	Estimated by volume(m3) or weight(t)	On site reuse, recycling outlet and /or waste depot likely to be used.
Excavation material				
Timber	0.5m <sup>3</sup>	1m <sup>3</sup>		Seven Hills RRC
Concrete		0.25m <sup>3</sup>		Seven Hills RRC
Brick/ pavers				
Tiles		0.1m <sup>3</sup>		Seven Hills RRC
Metal ferrous				
Metal aluminum				
Metal copper				
Plasterboard			0.25m <sup>3</sup>	Seven Hills RRC
Glass				
Furniture				
Fixtures and fittings				
Floor coverings	0.25m <sup>3</sup>	0.25m <sup>3</sup>		Seven Hills RRC
Packaging / pallets		3m <sup>3</sup>		Seven Hills RRC
Garden organics				
Containers can / plastic / glass		0.25m <sup>3</sup>		Seven Hills RRC
Paper cardboard		0.25m <sup>3</sup>		Seven Hills RRC
Residual waste			0.25m <sup>3</sup>	Seven Hills RRC
Hazardous / special waste				
Other				

## OPERATION

Type of Waste	Mixed Recyclables	Compostable	Compostable	Residual
	Paper cardboard / metals/ plastic / glass collection	Green waste collection	On site worm farm	Non recyclable collection
Waste generated Litres per week per dwelling	60	nil	10	180
Frequency of collection per week	1	0.5	nil	1
Number of waste storage bins	1	none	none	1
Size of waste storage bins Litres	120	none	none	120

Housing of waste storage bins	Waste storage bins are housed in an external cupboard directly accessible from the street facilitating easy placement for kerb side collection.
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## **CONSTRUCTION DESIGN**

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The following measures for waste avoidance have been incorporated into the design, material purchasing and construction techniques for the proposal:-

### **Materials**

- Standard, uniform materials have been utilized where possible
- Full sheet sizes to be used to minimize material off cuts waste
- Bricks from demolished elements will be utilized in the amended windows openings where possible

### **Lifecycle**

- Resilient durable materials will be utilized for exterior applications, masonry, metal roof sheeting
- Exterior timber windows for heritage context will be painted to provide a durable finish
- Screw fixing will be used where possible instead of glue fixing to facilitate ease of deconstruction and reuse of materials

## **ONGOING MANAGEMENT OF WASTE**

Storage of waste will be in Council supplied 120L waste storage bins which are housed in an external cupboard directly accessible from the street. The resident will place waste bins on the kerb for collection at the allocated weekly collection time. Compostable waste will be converted into compost with a worm farm on the premises.

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