

## **REPORT No9 – Waste Management for Construction & Demolition**

Due to the arrangement and simplicity of this project, very little demolition work is required. The existing household waste management will not be affected, either by construction work or by the re-arrangement of the dwelling.

### **1.1 Demolition**

The only significant demolition material to be removed off site is old decking boards and frame. All excavated material will be used as filling behind the retaining wall. Refer to Table below.

**TABLE: Demolition and Waste Reuse Estimates**

<b>Material</b>	<b>Location</b>	<b>Reason for Demolition</b>	<b>No off</b>	<b>Unit</b>	<b>To Waste</b>	<b>% Reuse</b>	<b>Reuse Location</b>
250 x 50 timber	Laundry stair	Make way for new foundation	9	m	0	100	Use in landscaping
Old treated pine flooring boards 90x19	Ground floor	Make way for new Entry deck floor.	0.017	m <sup>3</sup>	0.003	80	Not to be reused on this site.
	Second floor open deck	Make way for weatherproof decking roof above ground floor	0.42	m <sup>3</sup>	0.21	50	
	Second floor verandah	Bedrooms under require waterproof deck over.	0.31	m <sup>3</sup>	0.16	50	
Overburden excavated material from foundation footings	General	All piers and brick foundation walls to be founded on rock.	5	m <sup>3</sup>	0	100	For use by owner in backfill behind retaining wall (Required fill volume = 30m <sup>3</sup> approx.)
Concrete	Old outhouse floor	Disused slab from previously demolished structure	0.2	m <sup>3</sup>	0	100	Use in backfill behind retaining wall
Steelwork	Ground Floor	Make way for new structure	350	kg	0	100	Set aside for use in construction as required.

### **1.2 Construction**

Construction waste will be limited to a minimal 10m<sup>3</sup> loose volume. Estimated solid measurement material waste volumes are as follows:

- Concrete: Nil
- Bricks: Nil
- Timber: 1.0m<sup>3</sup>
- Plasterboard: 0.2m<sup>3</sup>
- Fibre cement: 0.1m<sup>3</sup>
- Steel: Nil

All demolition waste that is not required for reuse on site, in addition to waste construction material, will be skip-binned and carted by a registered dry waste management contractor to Kimbriki Resource Recovery Centre for sorting and reuse.

### **1.3 On-going (waste management)**



Household waste is presently managed within the confines of the ground floor carport. Thus the bins are protected from rain and they are readily accessed for household use. Movement to and from the kerb is also facilitated due to their location adjacent to the gravel driveway. Refer to photo below.

It is intended to continue this into the future.