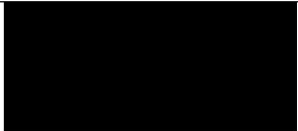


## **WASTE MANAGEMENT PLAN**

### **DEMOLITION, CONSTRUCTION AND USE OF PREMISES**

<b>OUTLINE OF PROJECT</b>					
<b>Site Address</b>	97-99 Victoria Street, Werrington 2747				
<b>Name of Applicant</b>	ArtMade Architects				
<b>Address of Applicant</b>	Suite 516/50 Holt Street, Surry Hills NSW 2010				
<b>Phone</b>	02 8760 9300				
<b>Email</b>	hello@artmade.com.au				
<b>Buildings and other structures currently on the site</b>					
Single storey fibro residence, garage and single cladded granny flat on each site.					
<b>Description of proposal</b>					
Construction of single storey 78 place childcare centre with basement parking.					
<b>Revision</b>	A	<b>Date</b>	21.05.2021	<b>Applicant Signature</b>	

## CONTENTS

INTRODUCTION .....	3
EXISTING SITE STRUCTURES AND WASTE PROVISIONS .....	3
PROPOSED METHOD OF WASTE MANAGEMENT .....	3
DEMOLITION PHASE .....	4
CONSTRUCTION PHASE .....	5
ON-GOING WASTE MANAGEMENT .....	6
EXPECTED WASTE GENERATION AND PROPOSED WASTE PROVISIONS.....	6
APPENDIX .....	8

## INTRODUCTION

This Waste Management Plan (WMP) has been prepared on behalf of the client, to form part of the Development Application 97-99 Victoria Street, Werrington. The purpose of this plan is to provide an outline of the waste provisions to be implemented for the proposed development; a 78-place childcare centre with basement parking.

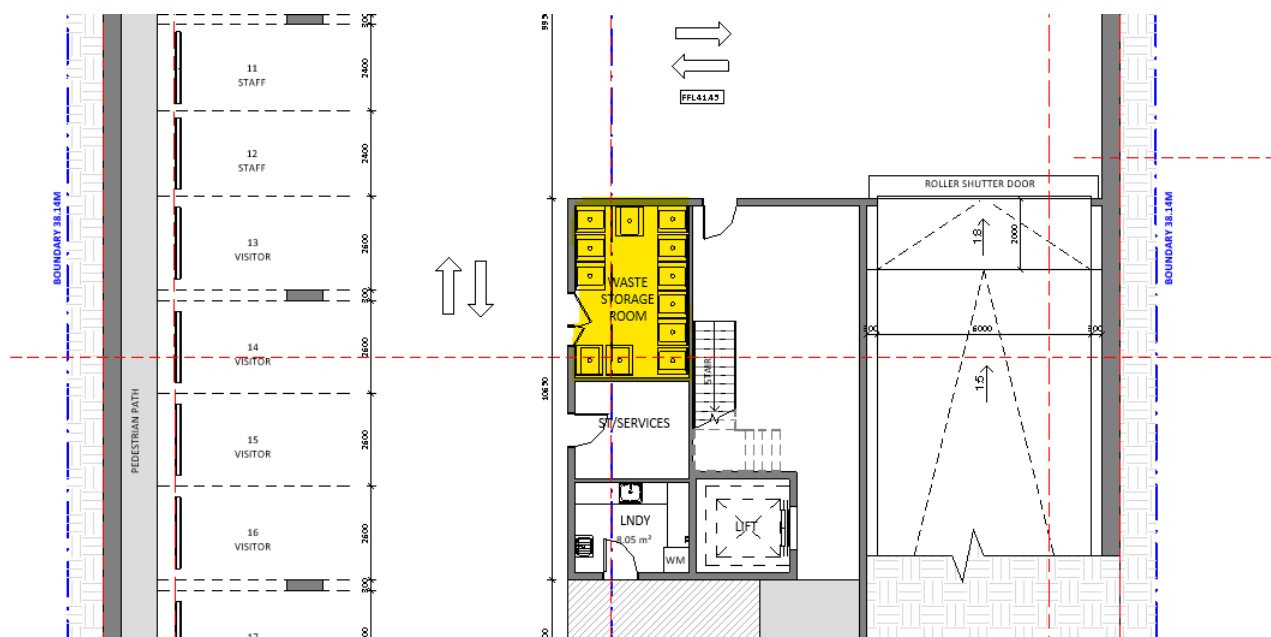
## EXISTING SITE STRUCTURES AND WASTE PROVISIONS

The existing structure on site include single storey fibro residence, garage and single cladged granny flat on each site.

The existing waste generation is typical of the existing residential use utilising council collection of coloured waste bins through regular kerb-side collection.

## PROPOSED METHOD OF WASTE MANAGEMENT

A designated waste bin storage room (highlighted yellow in Figure 1 below) is proposed in the basement within the building footprint and can be accessed from the carpark of the proposed childcare centre. Doorway for the waste room to be min. 1.5m wide for bin movement.



**Figure 1** Waste Bin Storage Room

The estimated waste generation rates and management plans are set out in the following tables for each of the phases of development:

- Demolition Phase
- Construction Phase
- On-Going Management

## DEMOLITION PHASE

Demolition of the existing building and associated structures on site are to be carried out in accordance with relevant Australian Standards and Work Health Safety practices including the safe removal of any uncovered hazardous materials.

Demolition Waste Table				
Materials		Destination		
		Re-use and Recycling	Disposal	
Material	Estimated Volume (m <sup>2</sup> or m <sup>3</sup> )	On Site	Off-Site (Specify Contractor and Recycling Outlet)	Specify Contractor and Landfill Sites
Excavation Material	-	-	-	-
Green Waste	-	-	-	-
Bricks	-	-	-	-
Concrete	< 100 m <sup>3</sup>	Crush and use for fill if required	To be taken to concrete recycling plant	Nil to landfill
Timber	< 20 m <sup>3</sup>	Reuse for formwork and studwork	To be taken to timber recycling yard	Nil to landfill
Plasterboard	< 50 m <sup>3</sup>	Crush and combine with soil for landscaping	Off cuts returned to second hand building centre	Excess to be taken to landfill
Metals	< 100 m <sup>3</sup>	-	To be taken to metal recycling yard	Nil to landfill
Tiles	< 100m <sup>3</sup>	Use tiles for fill where required	Good tiles to be sold offsite	Nil to landfill

*Note: Any hazardous waste such as asbestos to be removed by a qualified waste contractor*

## CONSTRUCTION PHASE

The building contractor will primarily be responsible for managing and minimizing construction waste during the building works. Provisions are to be put in place prior to works commencing on site for separating construction waste that is to be collected at regular intervals via a private waste contractor.

Construction Waste Table				
Materials		Destination		
		Re-use and Recycling	Disposal	
Material	Estimated Volume (m <sup>2</sup> or m <sup>3</sup> )	On Site	Off-Site (Specify Contractor and Recycling Outlet)	Specify Contractor and Landfill Sites
Excavation Material	<3500m <sup>3</sup>	Cut and fill	-	To be confirmed by contractor
Green Waste	-	Reused on site as mulch for landscaping	Taken to recycling centre for mulching	-
Bricks	<2 m <sup>3</sup>	Reuse on site where possible	Excess reusable bricks to be taken to recycling yard	Unusable bricks to be taken to local recycling plant
Concrete	<2 m <sup>3</sup>	-	To be taken to concrete recycling plant	Nil to landfill
Timber	<2 m <sup>3</sup>	Offcuts to be chipped and used for landscaping	Return excess timber and pallets to supplier	Nil to landfill
Plasterboard	<2 m <sup>3</sup>	Offcuts to be chipped and used as fertilizer for landscaping	Return excess plasterboard to supplier	Nil to landfill
Metals	<2 m <sup>3</sup>	-	To be taken to metal recycling yard	Nil to landfill
Packaging, Plastic, Boxes	<2m <sup>3</sup>	-	Return to supplier where possible	Taken to landfill

## ON-GOING WASTE MANAGEMENT

The childcare centre staff will remove the waste generated at the end of each day. The waste will be placed in the waste bins located in the waste bin storage room. The operators are to apply industry best practice for any waste removal and disposal.

A selected private contractor will collect the waste in the morning, before operating hours. It is envisaged that the contractor may use the aid of a waste bin mover to assist with transport of the bins to the waste collection point.

Staff are to place any soiled nappies during the operation into the dedicated nappy bins located in each nappy change room. At the end of each day the staff is to appropriately remove the nappy liners from the bins, tie-up/carefully seal the bags and dispose of it in the external dedicated nappy bins.

Refer to the appendix below for the waste transfer path.

## EXPECTED WASTE GENERATION AND PROPOSED WASTE PROVISIONS

The expected type of on-going waste to be generated is of typical commercial and general waste. Selected private contractors will remove all waste for disposal away from the site. The following rates of waste are expected to be generated.

### Estimated Quantity of Waste Generated:

Type of Premise	Residual Waste Generation	Recycling Generation
Restaurant	660L/100m <sup>2</sup> floor area/day	200L/100m <sup>2</sup> floor area/day
Supermarkets	660L/100m <sup>2</sup> floor area/day	240L/100m <sup>2</sup> floor area/day
Convenience Store	300L/100m <sup>2</sup> floor area/day	150L/100m <sup>2</sup> floor area/day
Cafe	300L/100m <sup>2</sup> floor area/day	200L/100m <sup>2</sup> floor area/day
Takeaway/Café (pre-packaged food)	150L/100m <sup>2</sup> floor area/day	150L/100m <sup>2</sup> floor area/day
Childcare	80L/100m <sup>2</sup> floor area/day	80L/100m <sup>2</sup> floor area/day
Licensed club	50L/100m <sup>2</sup> floor area/day	50L/100m <sup>2</sup> floor area/day

Extract from DCP

(approx.) 300m<sup>2</sup> x 0.8L = 240L/Day

- General waste including nappy waste 240 L/day
- Recycling waste 240 L/day
- Green waste 240 L/fortnight

### Proposed Waste Bins:

- General Waste Bins (5 x 240L) bins
- Dedicated Nappy Bins (1 x 240L) bins
- Recycling Waste Bins (5 x 240L) bins
- Green Waste Bins (1 x 240L) bins

**Proposed Method of Collection:**

- |  |                                    |
|--|------------------------------------|
| • General Waste including Nappy Disposal | External via Contractor collection |
| • Recycling Waste                        | External via Contractor collection |
| • Green Waste                            | External via Contractor collection |

**Proposed Collection Day/Times and Method**

- |  |   |
|--|---|
| • General Waste including Nappy Disposal | Daily morning (before operating hours) collection by Private contractor |
| • Recycling Waste                        | Daily morning (before operating hours) collection by Private contractor |
| • Green Waste                            | Fortnightly collection by private contractor                            |

The waste bin storage room is to be mechanically ventilated. A hose tap and appropriate drainage is to be provided within the area to allow hose down for general cleaning.

On-Going Waste Management Summary		
Type of Waste to be Generated	Proposed On-Site Storage and Treatment Facilities	Destination
<p>Expected on going waste to be generated will be of commercial type general waste.</p> <p>General waste e.g. kitchen scraps, packaging, food scraps and the like.</p> <p>Recyclables e.g. cans, bottle plastics, paper, cardboard and the like.</p> <p>Green waste e.g. grass cutting, green waste and branches.</p>	<p>Proposed waste bin storage room is located in the basement within the building footprint.</p> <p>Proposed bins include 12 x 240L bins:</p> <ul style="list-style-type: none"> <li>• 5 x general waste</li> <li>• 1 x nappy waste disposal bins</li> <li>• 5 x recycling</li> <li>• 1 x green</li> </ul> <p>Bins to be provided will be separated for general waste, nappy waste, recycling and green.</p>	<p>Collection by a selected private contractor at regular intervals.</p>

## APPENDIX

### Waste Transfer Path Plan

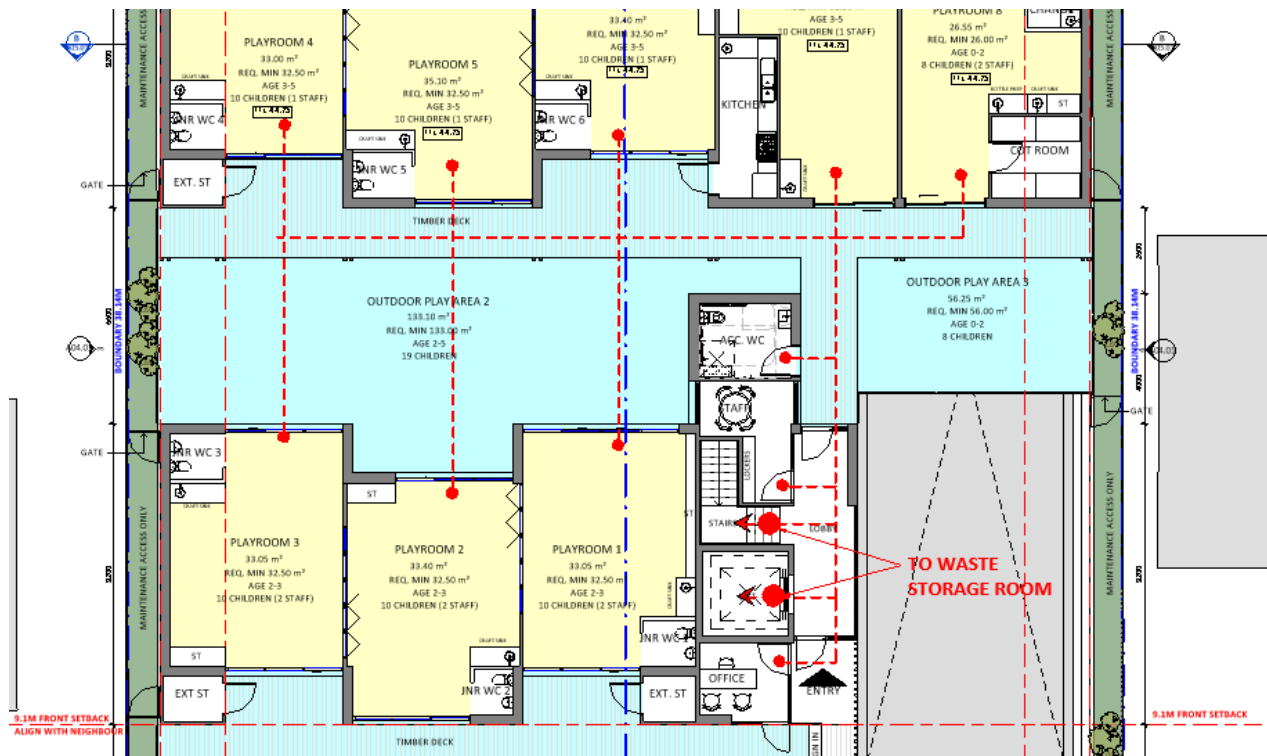


Figure 2 Ground Floor Waste Transfer Plan



