



Tel: 02 8004 0460  
www.auswideconsulting.com.au  
info@auswideconsulting.com.au  
ABN 13 143 437 432

## WASTE MANAGEMENT PLAN

# 14 LAVENDER CLOSE, GILLIESTON HEIGHTS

*Proposed 82 Place Child Care Centre*

Prepared for:	Pavey Consulting Services
Date Prepared:	July 2024
Revision:	1.1
Maitland City Council Application #:	TBA



## Contents

<b>List of Figures .....</b>	<b>4</b>
<b>Introduction .....</b>	<b>6</b>
<b>Background and Existing Conditions .....</b>	<b>6</b>
<b>Waste Management Principles .....</b>	<b>9</b>
Stockpiling .....	10
<b>Demolition &amp; Construction Stage .....</b>	<b>11</b>
Demolition Works .....	11
Construction Works.....	12
<b>Wastage Types and Handling.....</b>	<b>12</b>
Table 1: Estimated Volumes of Demolition Waste and Recycling Options .....	13
Table 2: Estimated Volumes of Construction Waste and Recycling Options .....	14
Table 3: Example Construction and Demolition Waste Disposal Facilities within 50km of the site.....	15
Table 3 (continued): Example Construction and Demolition Waste Disposal Facilities within 50km of the site .....	16
<b>On-Going Waste Management, Storage and Collection .....</b>	<b>17</b>
<b>Waste Generation .....</b>	<b>17</b>
Waste Allocation for Overall Development .....	17
Table 4: Expected Waste and Recycling Generation Rates for Childcare Centres .....	17
Waste Generation within Overall Development.....	17
Table 5: Estimated Volumes of General Waste and Recycling for the Development .....	17
Table 6: NSW EPA Better Practice Guide Measurements for the Required MGBs. ....	18
<b>Signage.....</b>	<b>19</b>
<b>Further Waste Reduction .....</b>	<b>20</b>
<b>Waste Collection .....</b>	<b>21</b>
<b>Amenity .....</b>	<b>22</b>
Noise.....	22
Ventilation .....	22
Security/Communication Strategy .....	22
Cleaning Facilities .....	22
Prevention of Vermin .....	22
<b>Miscellaneous .....</b>	<b>23</b>



Communal Composting Facility.....	23
Green Waste.....	23
Bulky Hard Waste.....	23
E-Waste .....	23
<b>Appendix A – CONSTRUCTION AND DEMOLITION WASTE MANAGEMENT REGISTER .....</b>	<b>24</b>
<b>Appendix B – NSW EPA BinTrim reducing business waste – Preschools and childcare centres.....</b>	<b>25</b>
<b>Appendix C – ARCHITECTURAL PLANS.....</b>	<b>29</b>

## List of Figures

Figure 1: Location of the Subject Site (© Google 2024) .....	7
Figure 2: Aerial View of the Subject Site (© Google 2024).....	7
Figure 3: Street View of the Subject Site (© Google 2024) .....	8
Figure 4: Indicative Initial Demolition and Construction Waste Storage Area .....	10
Figure 5: Guidelines for Waste Placement within the MGB's .....	18
Figure 6: NSW EPA Waste and Recycling Signage (© NSW EPA 2024).....	19
Figure 7: Scaled Diagram of Basement Bin Rooms .....	20
Figure 8: Typical Side-loading Waste Collection Vehicle .....	21



## **Copyright**

This report has been prepared by AusWide Consulting. Reproduction without written authority from AusWide Consulting is prohibited. Apart from any fair dealing for the purpose of private study, research, criticism or review, as permitted under the Copyright Act 1968, no part of this report may be reproduced, transmitted, stored in a retrieval system or adapted in any form or by any means (electronic, mechanical, photocopying, recording or otherwise) without written permission.

## **Restrictions on Use**

This report has been prepared specifically for owners of 14 Lavender Close, Gillieston Heights, NSW 2321 as the client. No part of this report may be referred to or quoted in any way without the written approval of the author. No party other than the owners of 14 Lavender Close, Gillieston Heights, NSW 2321 may rely upon representation in this report for any purpose whatsoever, and the author accepts no liability for any such party relying upon this report.

## **Limits of Report**

This report considers the particular instructions and requirements of our client. AusWide Consulting has taken care in the preparation of this report. However, it neither accepts liability nor responsibility whatsoever in respect of:

- Any use of this report by a third party;
- Any third party who interests may be affected by any decision made regarding the contents of this report; and/or
- Any conclusion drawn resulting from omission or lack of full disclosure by the client, or the client's consultants.

## Introduction

AusWide Consulting was commissioned by Pavey Consulting Services to prepare a Site Waste Management Plan (WMP) for approval of a proposed 82 place childcare centre development at 14 Lavender Close, Gillieston Heights NSW 2321.

The proposed development consists of:

Development Details
82 place Child Care Centre

In the course of preparing this WMP, the subject site and its environs have been inspected, plans of the development examined, and all relevant council requirements and documentation collected and analysed.

This WMP has been prepared based on the following information:

- Architectural Plans provided by ArtMade Architects;
- Maitland City Council Local Environment Plan 2011;
- Maitland City Council DCP 2011 Part B – Environmental Guidelines B.6 – Waste Not – Site Waste Minimisation & Management; and
- NSW EPA Better Practice Guidelines for Resource Recovery 2019.

## Background and Existing Conditions

The site is located along the cul-de-sac termination end of Lavender Close, Gillieston Heights NSW 2321. It is located approximately 500m west of Cessnock Road and 3.7 kilometres south of the New England Highway & Cessnock Road roundabout. Maitland Town Centre is approximately 4.5km north of the site and the suburb of Cliftleigh is approximately 3km south of the site.

The site is currently undeveloped and consists of an existing bitumen driveway, a sandstone block wall, fencing and a few stockpiles. The lot is situated in a R1 – General Residential Zone as per the Maitland City Council Local Environmental Plan 2011.

The immediate surrounding area predominantly consists of residential lots in the same R1 zone to the east and rural properties located in a RU2 – Rural Landscape zone to the west.

**Figure 1** on page 7 provides an overview of the area, and its surrounding land uses whilst **Figure 2** also on page 7 provides an aerial view of the immediate area surrounding the subject site. **Figure 3** on page 8 provides a street view of the site.

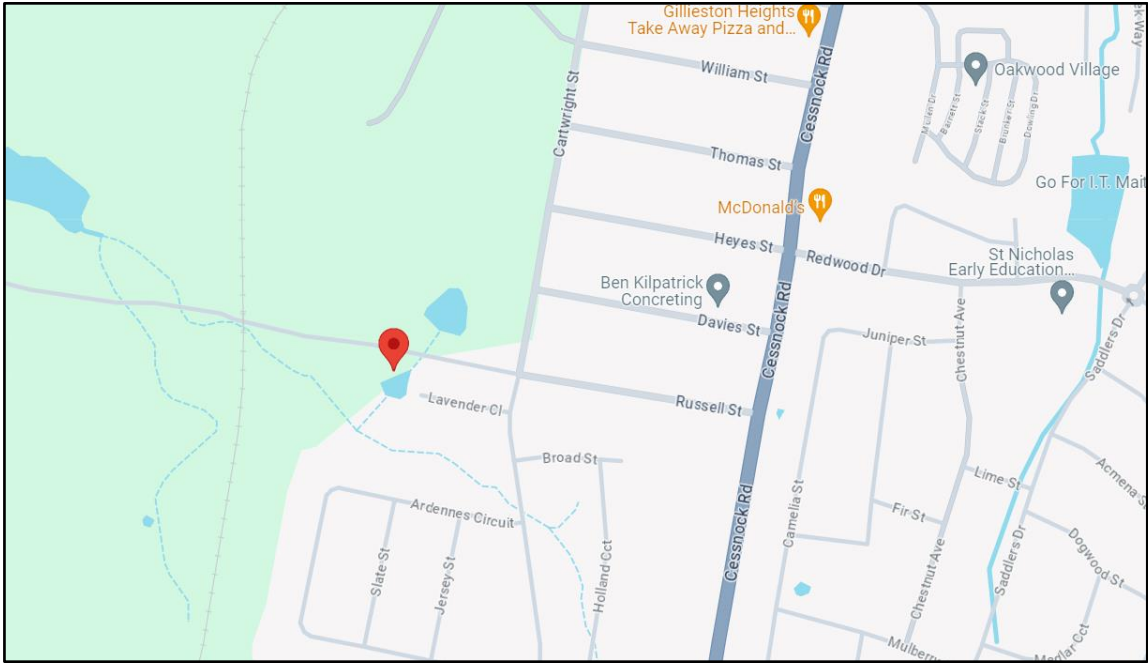


Figure 1: Location of the Subject Site (© Google 2024)

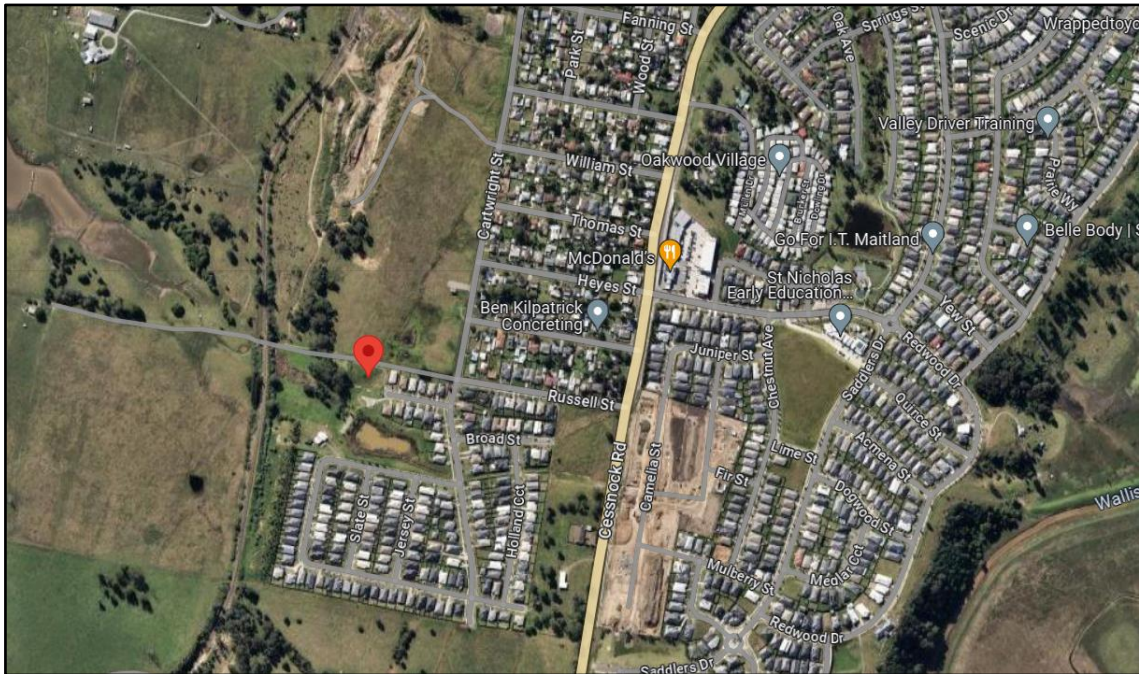
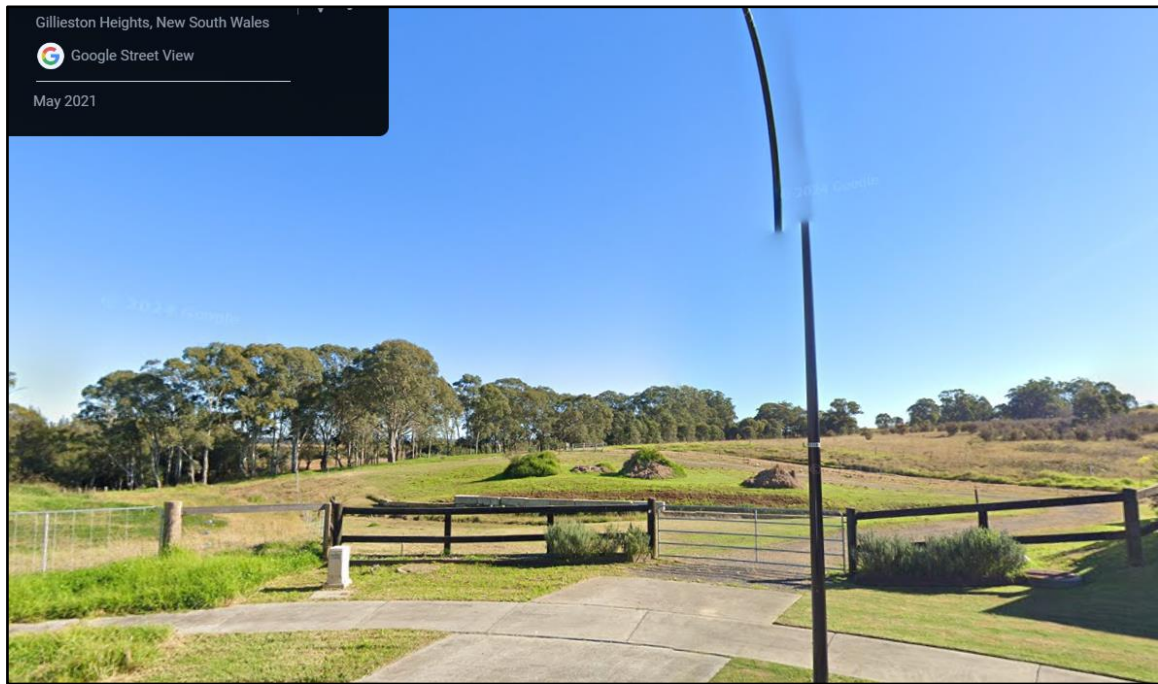


Figure 2: Aerial View of the Subject Site (© Google 2024)

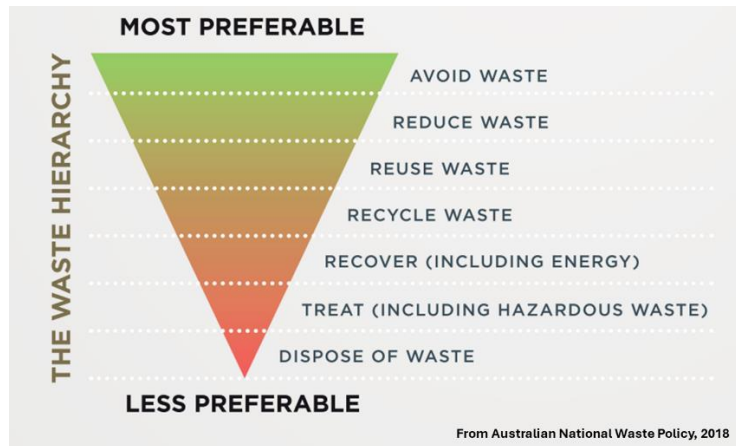


**Figure 3: Street View of the Subject Site (© Google 2024)**



## Waste Management Principles

When dealing with waste, the following hierarchy has been adopted from the Australian National Waste Policy, prioritising from top to bottom:



### Avoid/Reduce

Particularly during the construction phase, avoidance of waste will be achieved through:

- Selecting design options with the most efficient use of materials; and
- Selecting materials with minimal wastage, such as prefabricated materials.

### Reuse

Some of the materials encountered in the demolition and construction stages can be recovered and reused both on-site and off-site. This will be practised wherever possible. Reusable materials shall be appropriately stored to avoid damage from weather or machinery.

### Recycle

Similarly, many materials from the demolition and construction stages will be recyclable. These materials will be identified prior to demolition, and a system incorporated to efficiently separate reusable materials, recyclable materials, and disposable materials. Recyclable materials shall be appropriately stored to avoid damage from weather or machinery. Details and receipts verifying the recycling of these materials shall be kept present on site at all times.

### Recover/Treat

Processing of waste to recover resources, including energy, may be an option, with many waste companies processing demolition and construction waste before disposal. Some waste may also be treated to reduce its environmental impact before disposal.

### Disposal

The waste disposal contractor chosen for the job will comply with Council's DCP. Details and receipts verifying the disposal of these materials shall be kept present on site at all times.

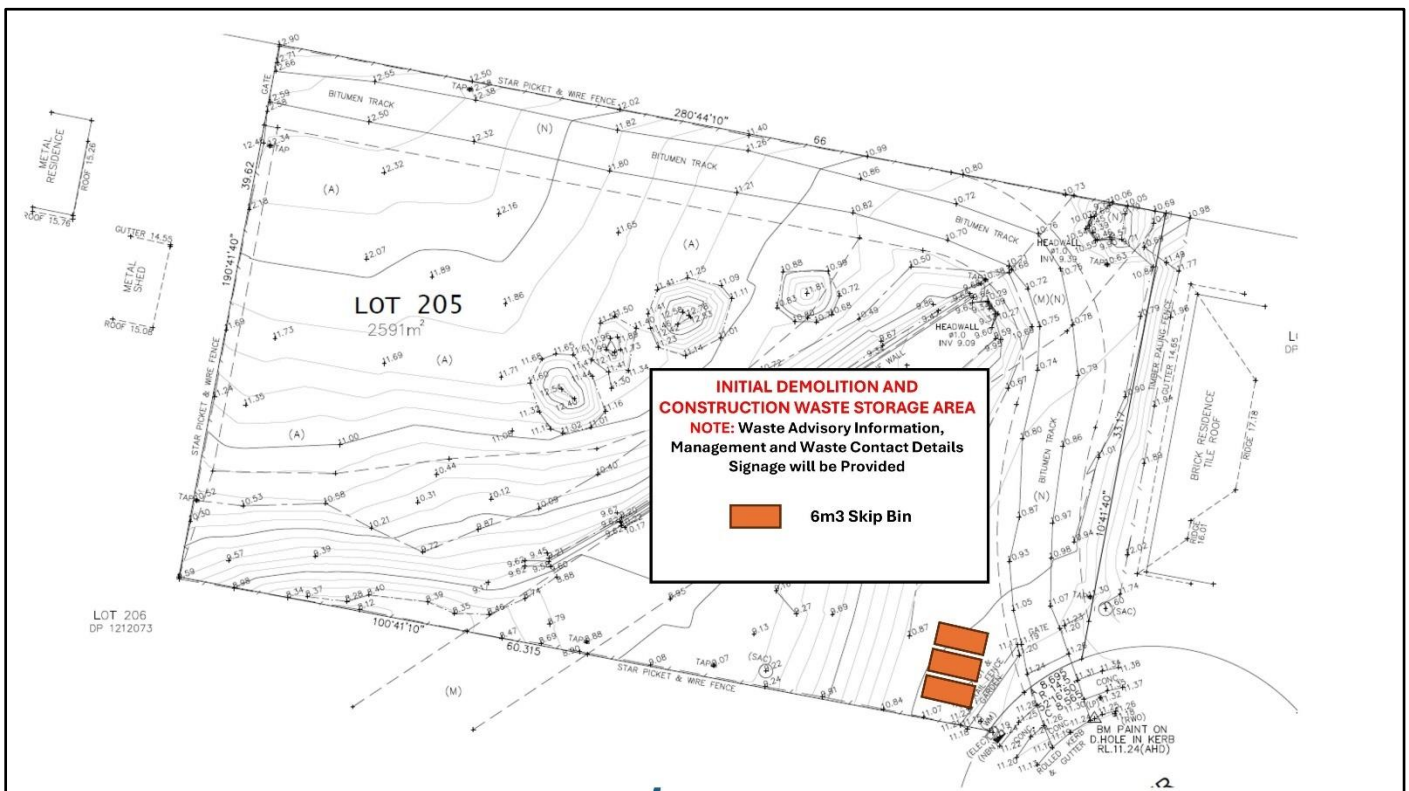
## Handling

When handling waste on-site, the system (including bin placement, volumes, and access) shall be designed with the following factors in mind:

- Safety (highest priority);
- Ease of use; and
- Aesthetics.

## Stockpiling

Waste sorting areas on-site during demolition and construction shall be adequately maintained. The material (demolition material, excavation material, construction material and waste) stockpiling area shall always remain within the site boundary and relocate during different demolition and construction stages as necessary. The waste area shall be largely located at the front of the site to provide access for waste collection vehicles via the site's entrance on Lavender Close. This is to maintain easy access and removal of waste. **Figure 4** (below) shows an indicative initial waste area, when demolition and construction work, begins. The stockpiling area shall not infringe on access to the site however, hoardings shall bind the site perimeter; therefore, the waste shall not be visible from the street or neighbouring residential properties.



**Figure 4: Indicative Initial Demolition and Construction Waste Storage Area**

## Demolition & Construction Stage

The proposal involves the demolition of existing structures on site and the construction of an 82-place childcare centre development.

### *Demolition Works*

It should be noted that the demolition stage has the greatest potential for waste minimisation.

The contractor should consider whether it is possible to re-use existing buildings, or parts thereof, for the proposed use. With careful onsite sorting and storage and by staging work programs it is possible to re-use many materials, either on-site or off-site.

Councils are typically seeking to move from the attitude of straight demolition to a process of selected deconstruction, i.e., total reuse and recycling both off-site and on-site. This could require a number of colour-coded or clearly labelled bins onsite (rather than one size fits all).

Site contractors should demonstrate project management which seeks to:

- Re-use excavated material on-site and dispose of any excess to an approved site;
- Re-use green waste mulch in landscaping either on-site or off-site;
- Dispose of all asbestos, hazardous and/or intractable wastes in accordance with Workcover Authority and EPA requirements;
- Identify locations of on-site storage facilities for material to be reused on-site, or separated for recycling off-site; and
- Identify destination and transportation routes of all materials to be either recycled or disposed of off-site.

All appropriately licenced and experienced demolition contractors will follow the requirements of AS2601-2001 – *Demolition of Structures*. Contractors will have developed work plans for their demolition activities including procedures for identification of any hazardous materials, demolition methods, and the precautions to be employed to minimise any dust nuisance and the disposal methods for hazardous materials. These documents should preferably be contained in an audited quality control system, submitted with the tender documents, and the quality of the documentation should be a key determining factor in assessing demolition contractors.

### *Construction Works*

The following measures shall be considered during the construction stage in order to save resources and minimise waste:

- Purchasing Policy – i.e., ordering the right quantities of materials and prefabrication of materials where possible;
- Minimising site disturbance, limiting unnecessary excavation;
- Careful source separation of off-cuts to facilitate re-use, resale, or efficient recycling; and
- Co-ordination/sequencing of various trades.

### **Wastage Types and Handling**

Waste volumes produced by demolition and construction stages are estimated in the following **Tables 1 & 2**.

Where possible, materials shall be reused or recycled, with disposal being the last resort. The destination of all recycled and disposed material shall be announced upon selecting the waste collectors and recyclers.

The arrangements for all reused, recycled and disposed waste shall be tracked and recorded, and all receipts shall be held on-site.

It is noted that the quantities of materials detailed in this section are estimates only, based on current industry standards and quantity analysis, and may vary due to the prevailing nature of construction constraints, weather conditions, and any other unforeseeable activities which are beyond the control of the developer, including but not being limited to theft, accidents, and other acts of misadventure. Notwithstanding any of the above, the developer will provide Council with all details in relation to any major variations in this regard.

Table 1: Estimated Volumes of Demolition Waste and Recycling Options

Materials on Site	Waste Estimate - Volume (m <sup>3</sup> ) or Weight (T)	On-Site Reuse	Off-Site Recycling	Off-Site Disposal (Accordance with NSW EPA)
<b>Excavated Material</b>	700 tonnes	Yes <i>Re-use for filling or levelling</i>	Yes See Table 3	See Table 3
<b>Garden Organics</b>	<1 tonne	Yes <i>Mulch or compost</i>	Yes See Table 3	See Table 3
<b>Bricks</b>	N/A	N/A	N/A	No
<b>Tiles</b>	N/A	N/A	N/A	No
<b>Concrete</b>	N/A	N/A	N/A	No
<b>Timber</b>	<1 tonne	Yes <b>Treated</b> – <i>Re-use as formwork, bridging, blocking and propping</i> <b>Untreated</b> – <i>Re-use as floorboards, fencing, furniture or mulch</i>	Yes See Table 3	See Table 3
<b>Plasterboard</b>	N/A	N/A	N/A	No
<b>Metals</b>	<1 tonne	Yes	Yes See Table 3	See Table 3
<b>Other – Residual</b>	<1 tonne	No	No	See Table 3

## Construction Phase

If sound construction management practices are in place, then waste volumes should be minimised with the majority of this waste being recyclable.

Table 2: Estimated Volumes of Construction Waste and Recycling Options

Materials on Site	Waste Estimate-Volume	On-Site Reuse	Off-Site Recycling	Off-Site Disposal
Excavated Material	-	-	-	See Table 3
Garden Organics	-	-	-	See Table 3
Bricks	N/A	N/A	N/A	N/A
Tiles	N/A	N/A	N/A	N/A
Concrete	3.8 tonnes	Yes <i>Re-use for filling, levelling or road base</i>	Yes See Table 3	No
Timber	2 tonnes	Yes <b>Treated</b> – <i>Re-use as formwork, bridging, blocking and propping</i> <b>Untreated</b> – <i>Re-use as floorboards, fencing, furniture or mulch</i>	Yes See Table 3	No
Plasterboard	1.5 tonnes	Yes <i>Re-use for landscaping</i>	Yes See Table 3	No
Metals	4.6 tonnes	Yes	Yes See Table 3	No
Other - Residual	1 tonne	No	No	See Table 5

**Table 3** below details waste facilities within 50 kilometres of the site that accept various types of construction and demolition waste that may be generated from the worksite.

Table 3: Example Construction and Demolition Waste Disposal Facilities within 50km of the site.

Facility Name	Facility Address	Materials Accepted
<b>Central Waste Station</b>	8 Styles Street, Kurri Kurr, NSW	Aluminium, Asphalt & Bitumen, Bricks, Cardboard, Carpet & Rugs, Carpet Underlay, Ceramics, Chemical Drums, Compressors, Concrete, Copper, Cork Flooring, Corrugated Iron, Cylinders, Electrical Cables, Fibro – Non Asbestos, Gas Bottles, Industrial Machinery, Iron & Steel, Mattresses, MDF, Masonite & Villaboard, Office Furniture, Pallets (Wood & Plastic), Paper, Particleboard, Plasterboard, Plastic Scraps, Rubber Conveyor Belt, Sand, Shop Fittings, Solid Fill, Timber (Untreated), Whitegoods
<b>Bingo Industries Recycling Centre</b>	29 Laverick Avenue, Tomago, NSW	Aluminium, Asphalt & Bitumen, Bricks, Cardboard, Carpet & Rugs, Carpet Underlay, Ceramics, Compressors, Concrete, Copper, Corrugate Iron, Fibro – Non Asbestos, Filter Cake, Foundry Sand, Garden Cuttings, Glass Sheets, Industrial Machinery, Iron & Steel, Lead, Mattresses, MDF, Masonite & Villaboard, Other Metals, Pallets (Plastic & Wood), Paper, Particleboard, Plasterboard, Plastic Scraps, Polystyrene Foam, Rubber Conveyor Belt, Sand, Shop Fittings, Timber (Untreated), Tyres

Table 3 (continued): Example Construction and Demolition Waste Disposal Facilities within 50km of the site.

Facility Name	Facility Address	Materials Accepted
<p align="center"><b>Benedict Recycling</b></p>	<p align="center">1A McIntosh Drive, Mayfield West, NSW</p>	<p>Aluminium, Asphalt &amp; Bitumen, Bricks, Cardboard, Ceramics, Concrete, Containers &amp; Packaging, Copper, Corrugated Iron, Cylinders, Electrical Cables, Fibro Non – Asbestos, Foundry Sand, Garden Cuttings, Glass Sheets, Iron &amp; Steel, Lead, Mattresses, Office Furniture, Pallets (Plastic &amp; Wood), Paper, Particleboard, Plasterboard, Plastic Scraps, Sand, Shop Fittings, Soft Plastics, Solid Fill – Soil, Timber (Untreated), Tyres</p>
<p align="center"><b>SCE Recycling</b></p>	<p align="center">Ingall Street, Mayfield, NSW</p>	<p>Asphalt &amp; Bitumen, Bricks, Ceramics, Concrete, Sand</p>
<p align="center"><b>A.M.S Recycling</b></p>	<p align="center">475-535 Pacific Highway, Crangan Bay, NSW</p>	<p align="center">Concrete</p>



## On-Going Waste Management, Storage and Collection

The proposed development includes the construction of an 82-place childcare centre development.

### Waste Generation

#### *Waste Allocation for Overall Development*

As advised in the pre-DA meeting notes, expected waste generation rates for childcare centres detailed in Table 4 will guide the minimum number of bins required to efficiently service the site.

Table 4: Expected Waste and Recycling Generation Rates for Childcare Centres

Premises Type	General Landfill Waste	Paper, Cardboard and Commingled Recycling
Childcare Centre	19L/ 1x Child / 1x Week	15L/ 1x Child/ 1x Week

#### *Waste Generation within Overall Development*

The total capacity of the Childcare centre is 82 children. The following table shows the estimated volumes of general waste and recycling for the development.

Table 5: Estimated Volumes of General Waste and Recycling for the Development

Waste Type	WASTE GENERATION RATES	Total Waste per Week	Services per Week	Minimum Bins Required
	According to Maitland Council pre DA meeting minutes Litres of Space / Children / per week			240L
<b>General Landfill Waste (including food)</b>	19L x 82 Children x 1 week	1,558L	1	7
<b>Recycling</b>	15L x 82 Children x 1 week	1,230L	1	5

Based on the total waste generated by the development, the following combination of bins should be provided:

#### **Ground Floor Level Waste Storage Area:**

- 7 x 240L General Waste MGBs – collected and emptied once a week.
- 5 x 240L Recycling waste MGBs – collected and emptied once a week.

The following table contains the indicative bin sizes outlined in the NSW EPA Better Practice Guide for Resource Recovery (2019), for the MGBs mentioned above.

Table 6: NSW EPA Better Practice Guide Measurements for the Required MGBs.

Size	Height (mm)	Width (mm)	Depth (mm)
240L	1,080	580	735

<p><b>Recycling</b></p> <ul style="list-style-type: none"> <li>✓ All recycling.</li> <li>✓ Steel, tin, aluminium cans, empty aerosols.</li> <li>✓ Clear, brown, green glass bottles / jars (rinsed, no lids).</li> <li>✓ Plastic bottles, soft drink bottles, containers (rinsed, no lids).</li> <li>✓ Carboard boxes, milk, juice cartons.</li> <li>✓ Newspapers, magazines, office paper, junk mail, window envelopes.</li> <li>✓ Council provided compostable caddy liner.</li> <li>✗ Plastic bags, light bulbs, mirrors, drinking glasses, general and food waste, ceramics, crockery, foam, ovenware, polystyrene, waxed cardboard boxes.</li> </ul>	<p><b>Garbage</b></p> <ul style="list-style-type: none"> <li>✓ General waste.</li> <li>✓ Plastic bags.</li> <li>✓ Packets, wrappers, cling wrap, bubble wrap.</li> <li>✓ Nappies, sanitary waste, (wrapped tightly, stored in a well-sealed bag).</li> <li>✓ Animal faeces, bedding, and kitty litter.</li> <li>✓ Foam, polythene, and polystyrene.</li> <li>✓ Light bulbs, mirrors, ceramics, cookware, drinking glasses.</li> <li>✓ Contents of your vacuum cleaner, cotton wool, buds and cigarette <u>ends</u>.</li> <li>✗ Building materials, syringes, oil or paint, gas bottles, hazardous or chemical waste.</li> <li>✗ Medical waste: (speak to your doctor / pharmacy).</li> </ul>
---	--

Figure 5: Guidelines for Waste Placement within the MGBs

## Signage

Appropriate colour coded signage will be provided in the bin storage room. These will be displayed in a prominent position to assist staff when depositing their waste. In particular, signage will include educational material from Council and/or NSW EPA and address items that are acceptable or not acceptable based on the requirements.

An example of signage in the bin storage room area are as follows.



Figure 6: NSW EPA Waste and Recycling Signage (© NSW EPA 2024)

The above **Figure 6** illustrates a scaled diagram of the MGBs within the waste storage areas.

The scaled diagram **Figure 7** on page 20 shows a dedicated waste storage area on the ground floor level of the development. It has been determined that 7 x 240L General Waste MGBs and 5 x 240L Recyclable MGBs will be collected once weekly as per Council's scheduled waste collection service in the immediate surrounds.

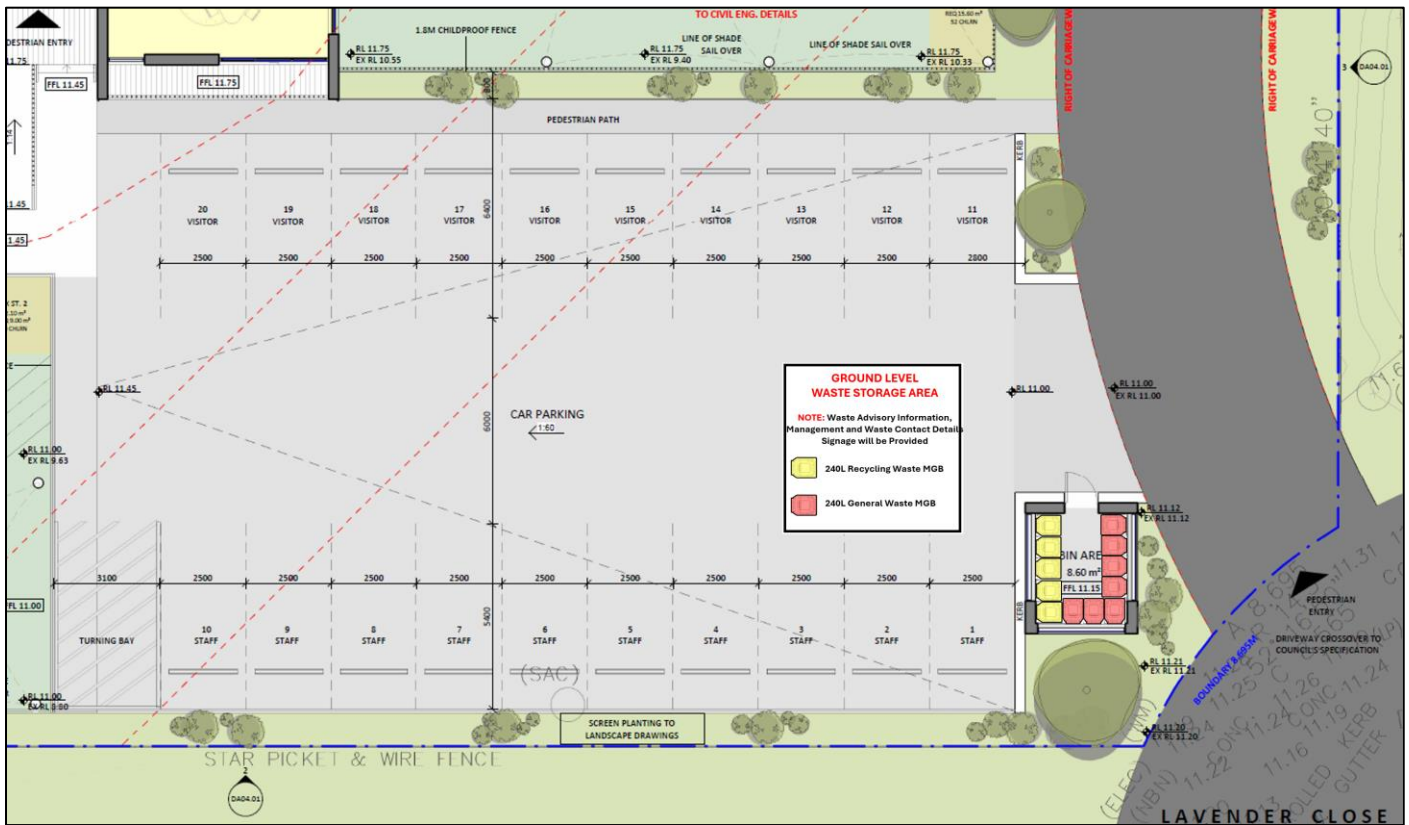


Figure 7: Scaled Diagram of Basement Bin Rooms

### Further Waste Reduction

This waste management plan is aimed at complying with Council requirements. Further opportunities for waste minimisation and recycling should be examined, particularly when the site is operational. The NSW EPA has advice on waste minimisation for childcare centres (Appendix B). Adopting the waste minimisation advice outlined in Appendix B and ensuring that the waste storage area is hygienically maintained, total bin numbers and associated waste service charges may be able to be reduced.

## Waste Collection

Bins will be presented for collection at the front kerb area of the site along Lavender Close. Caretaker staff will transport full bins from the bin room to the collection point the day prior to collection day. Bins will be collected by Council's standard waste collection vehicles.



**Figure 8: Typical Side-loading Waste Collection Vehicle**

## Amenity

### *Noise*

The only noise generated from the waste management at the property will be that of the waste being collected, any other noise related to the waste management will be kept to a minimum.

### *Ventilation*

All waste storage areas will be ventilated to Council's specification.

### *Security/Communication Strategy*

All MGBs will be secured within the waste storage area.

All staff will receive detailed documentation detailing all necessary requirements for safe waste management and handling including all relevant contact information.

### *Cleaning Facilities*

The childcare operators are responsible for keeping the MGBs clean and they will inspect the MGBs immediately after collection and clean any debris as required.

The waste bin storage area will have

- Impervious coated/treated ground surface, ensuring the ground is graded to the sewer (100 mm diameter) floor drain;
- Tap and hose (hose cock must be protected from the waste containers) for use of cleaning the MGBs and waste area: and
- Self closing doors also allowing for easy removal and cleaning of the MGBs.

The childcare operators will inspect the bin storage at time of collection to ensure it is free from loose refuse and debris. The floor drain and hose fitting located in the bin storage area will allow caretakers to efficiently clean the area. Course debris will be collected in the floor drain to allow for collection and appropriate disposal.

### *Prevention of Vermin*

The staff will be advised to not overfill the bins so that the lids are closed at all times. It is suggested to place rat traps in the corners of the waste storage areas.



## Miscellaneous

### *Communal Composting Facility*

The childcare operators may wish to engage in composting activities as part of their sustainable programme and education.

### *Green Waste*

No formal green waste service will be provided to the building. All green waste will be disposed of through the gardening contracts appointed by the Proprietor. It will be the responsibility of the Proprietors of the Childcare Centre to ensure that all green waste is removed from the complex in an appropriate manner.

### *Bulky Hard Waste*

The proprietor will arrange the collection of any bulky waste directly with a contractor.

### *E-Waste*

Recyclable electronic goods include batteries, equipment containing printed circuit boards, computers, televisions, fluorescent tubes and smoke detectors. E-Waste will be placed in impermeable surface containers and collected by a registered E-Waste Re-Processor as required.

## Appendix A – CONSTRUCTION AND DEMOLITION WASTE MANAGEMENT REGISTER

Date/ Time	Bin Type	Waste Stream	Amount/ Volume	Mode of Transport	Receival Facility	Signature/ Receipt Number



## Appendix B – NSW EPA BinTrim reducing business waste – Preschools and childcare centres



### How to halve your waste

Food waste fills almost 30% of the average waste bin of a typical childcare centre or preschool. Paper, cardboard and plastic occupy at least another 25%<sup>1</sup>. That means over half the contents of the bin could be recovered instead of going to landfill.

In NSW, millions of dollars-worth of food is thrown away each month, while 100,000 people go hungry, a quarter of them children. We can make simple changes that can save time, save money, help others and stop edible food going to landfill. Businesses in NSW could recover an additional 140,529 tonnes of food waste or prevent 281 million meals from going to landfill each year<sup>2</sup>.

Fifty-three per cent of businesses agree that efficient waste and recycling gives them a competitive edge<sup>3</sup>.

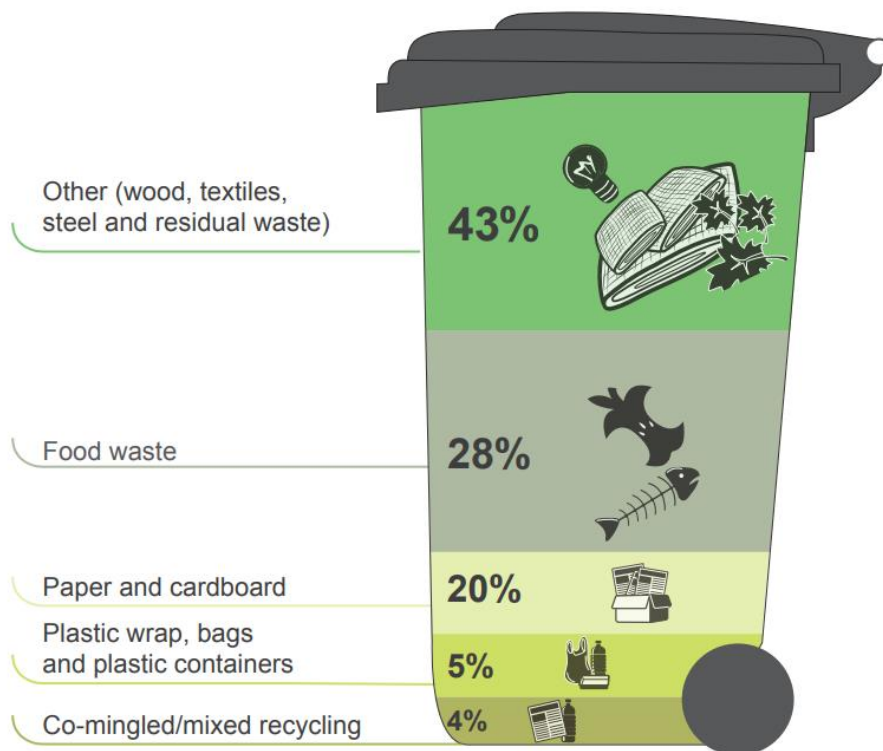
Forty per cent of businesses believe that being able to tell customers and clients that they recycle as much as possible helps them win and retain business<sup>3</sup>.



#### Quick fact

Each year a typical childcare centre or preschool generates up to 7.25m<sup>3</sup> of waste per employee or 0.26m<sup>3</sup> of waste for every 1m<sup>2</sup> of floor space<sup>1</sup>.

## Contents of a typical waste bin in a preschool or childcare centre



*Typical waste profile of a preschool or childcare centre (% weight of waste generated)<sup>1</sup>*



### Want to save on waste?

Join 20,000 businesses already recycling more with the EPA's Bin Trim Program. Get free advice and support to waste less and recycle more. Get up to \$50,000 back on recycling equipment. [Find a Bin Trim assessor online.](#)



## What you can do

### Avoid – how can you do it?

- Encourage parents and children to bring reusable containers for lunch and snack items.
- Encourage children to use reusable drink bottles. Offer to refill drink bottles when required.
- Use alternatives to paper towels in bathrooms.
- Encourage children to eat healthy fruit and vegetables rather than packaged foods.
- Improve catering stock control by ordering exactly what is needed.
- Consider more frequent ordering of smaller quantities of fresh produce to minimise spoilage.
- Seek regular feedback on menu items and serving sizes. Adjust menu offerings to suit children's preferences and appetites.
- [Love Food Hate Waste](#) has easy-to-follow advice on how to reduce your business food waste.

### Reduce – how can you improve on it?

- Use emails, websites and text messages to communicate with parents, instead of paper notices.
- Set your printer to print double sided.
- Buy in bulk to reduce the quantity of packaging.
- Buy detergents in bulk and decant into smaller containers.
- Keep your work and play areas clean, tidy, labelled and organised.
- Check the temperatures and the seals on fridges and freezers regularly to keep food fresher for longer. Maintain correct temperatures: fridge 3–4°C and freezer less than minus 18°C.
- Keep dry storage areas dry and clean.
- Rotate stock – maintain a first-in, first-out system.
- Check food labels regularly: 'use-by' and 'best-by' dates
- Consult your local council Environmental Health Officer or the [NSW Food Authority](#) for specific advice on food storage techniques to avoid spoilage and preserve food-safe conditions.

### Reuse – how can you use it again?

- Reuse plastic bottles, cardboard rolls, paper and boxes for craft activities.
- Encourage children to come up with ideas to reuse waste products and packaging.
- Reuse large cardboard boxes for storage.

### Recycle – how can you do more?

- Ask your waste/recycling service provider how they can help you to recycle more. Many have services to educate staff, parents and children and also signage to support your recycling program.
- Set up a bin separation system for the kitchen and classroom areas.
- Use compost bins or large in-vessel composters to process food organics on site. This not only reduces the volume of waste but also creates a useful soil enhancer (compost).



## Illawarra Area Childcare reduces food waste

Across its 11 Early Childhood Education and Care centres, Illawarra Area Childcare stopped 8 tonnes a year of food waste from going to landfill.

The group received an EPA [Bin Trim rebate](#) to help purchase commercial worm farms, compost bins and small food separation bins.

The compost bins and worm farms provide a unique learning opportunity for both the staff and children at the centres.

Children were appointed to Recycling Rangers, Compost Commandoes, Worm Warriors and Garden Gnomes to help look after the system. [Join Bin Trim now.](#)



- Use worm farms (or vermiculture systems) as a fun way for children to get involved in 'recycling' their organic fruit and vegetable scraps.
- Create a vegetable garden and use the compost, worm liquid or worm castings to enhance the soil.
- Organise for food waste to be collected by a commercial contractor for transport to a processing facility.
- Collect all soft plastics and take them to [REDcycle](#) for recycling
- Recycle more packaging materials.
- Make sure any staff, contractors, caterers and cleaners follow your recycling program and that they put materials in the correct bins.
- Install clear [recycling signs](#) in the bin room, staff areas, stock rooms, and in the kitchen.
- Keep bins and bin rooms clean and uncluttered.
- You are responsible for making sure your waste is transported to a facility that is lawfully able to accept that type of waste. Make sure you understand your [responsibilities under the law](#).

## What else can you do?

- Gain commitment from your senior managers and catering staff to reduce waste and increase recycling.
- Appoint a staff champion to drive your waste reduction and recycling program.
- Appoint student recycling champions or monitors.
- Get the children involved in [regularly checking](#) the amount and type of waste that is in the waste and recycling bins.
- Incorporate recycling, composting and gardening into the education program.
- Work with your staff, parents and children to put together a plan to improve your waste and recycling.
- Reward staff, parents and children for reducing waste, recycling more and using the correct bins.

## How can you get more information?

Contact the EPA Business Recycling Unit, Waste and Resource Recovery. Phone: 131 555 | Email: [info@environment.nsw.gov.au](mailto:info@environment.nsw.gov.au)

## References

<sup>1</sup>EPA (unpub.), 'Final Report and Attachments: Industry Specific Data Analysis of Bin Trim Round 1, 2016', Environment Protection Authority, Sydney.

<sup>2</sup>EPA 2015, *Disposal-based Audit Commercial and Industrial Waste Stream in the Regulated Areas of New South Wales – Main Report*, NSW Environment Protection Authority, Sydney ([www.epa.nsw.gov.au/resources/warrlocal/150209-disposal-audit.pdf](http://www.epa.nsw.gov.au/resources/warrlocal/150209-disposal-audit.pdf)).

<sup>3</sup>EPA 2016, *Social Research on Small to Medium Enterprises (SME) Waste and Recycling: Summary Benchmark Study*, NSW Environment Protection Authority, Sydney ([www.epa.nsw.gov.au/resources/waste/small-medium-business-recycling-research-160139.pdf](http://www.epa.nsw.gov.au/resources/waste/small-medium-business-recycling-research-160139.pdf))



### Worm farms save tonnes at early learning centres

Guardian Early Learning Centres in Sydney have saved 5 tonnes of food waste from going to landfill each year. With assistance from an EPA [Bin Trim rebate](#), worm farms were installed at 10 care centres. [Join Bin Trim now](#).



### Find a recycler

Visit [BusinessRecycling.com.au](http://BusinessRecycling.com.au) or phone the Business Recycling Hotline on 1300 763 768 to find a recycling service to suit your business. Use the Planet Ark resource on [choosing the right recycler](#).

#### Photos

page 1: Wallaroo Children's Centre, Nathaniel Marsh, TVU Productions; page 2: Wallaroo Children's Centre, Nathaniel Marsh, TVU Productions; page 3: Wallaroo Children's Centre, Nathaniel Marsh, TVU Productions; page 4: Shutterstock image

Environment Protection Authority  
 Email: [info@environment.nsw.gov.au](mailto:info@environment.nsw.gov.au)  
 Website: [www.environment.nsw.gov.au](http://www.environment.nsw.gov.au)  
 ISBN 978-1-76039-631-2 | EPA 2016/0774  
 March 2017



## Appendix C – ARCHITECTURAL PLANS

**DRAFT**

DRAWING NOT FOR FINAL ISSUE

**02 JUL 2024**

ARCHITECTURAL DRAWING LIST - DA			
SHEET NUMBER	COVER PAGE	CURRENT REVISION	CURRENT REVISION DATE
DA00.00	COVER PAGE	A	02.07.2024
DA02.01	SITE PLAN	A	02.07.2024
DA03.01	GROUND FLOOR PLAN	A	02.07.2024
DA03.02	FLOOR CALCULATIONS	A	02.07.2024
DA04.01	EXTERNAL ELEVATIONS	A	02.07.2024
DA05.01	SECTIONS & EXTERNAL FINISHES	A	02.07.2024
DA06.01	SHADOW DIAGRAMS & VIEW FROM SUN	A	02.07.2024
DA06.02	OUTDOOR PLAY AREA SQUARE/PIANET CALCULATIONS	A	02.07.2024



ARTIST'S IMPRESSION

# 14 LAVENDER CLOSE GILLIESTON HEIGHTS NSW 2321

## CHILDCARE CENTRE DEVELOPMENT APPLICATION

14 LAVENDER CLOSE, GILLIESTON HEIGHTS NSW 2321  
CHILD CARE CENTRE DEVELOPMENT APPLICATION

ARCHITECT  
S. PINGALA

CLIENT  
S. PINGALA

PROJECT  
CHILDCARE CENTRE

PROJECT ADDRESS  
14 LAVENDER CLOSE, GILLIESTON HEIGHTS, NSW 2321

SHEET NAME  
COVER PAGE

ISSUED FOR DEVELOPMENT APPLICATION  
24/249 DA00.00 A DA

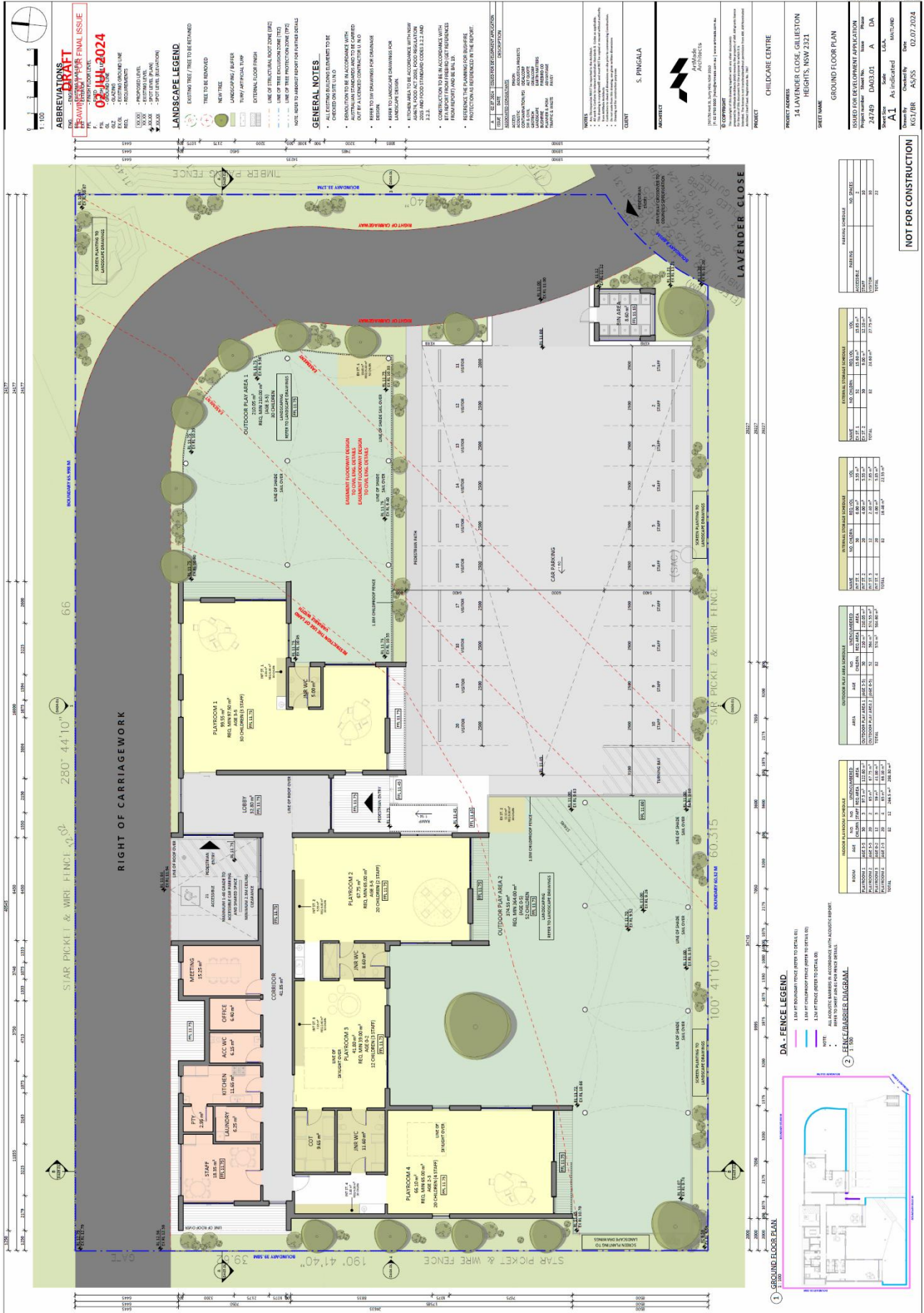
DATE OF ISSUE  
02/07/2024

SCALE  
A1 NTS

DATE  
02.07.2024

NOT FOR CONSTRUCTION





**ABBREVIATIONS**  
 ENG - ENGINEER  
 ARCH - ARCHITECT  
 LAND - LANDSCAPE ARCHITECT  
 CIVIL - CIVIL ENGINEER  
 ELEC - ELECTRICAL ENGINEER  
 MECH - MECHANICAL ENGINEER  
 PLUMB - PLUMBER  
 SURV - SURVEYOR  
 STR - STRUCTURAL ENGINEER  
 TRAFFIC - TRAFFIC ENGINEER  
 WIND - WIND ENGINEER  
 1:100

**DATE**  
 02.14.2024  
**PROJECT**  
 14 LAVENDER CLOSE, GILLESTON HEIGHTS, NSW 2321  
**CLIENT**  
 CHILD CARE CENTRE

**LANDSCAPE LEGEND**  
 EXISTING TREE / TREE TO BE RETAINED  
 TREE TO BE REMOVED  
 NEW TREE  
 LANDSCAPING / PLANTING  
 TURF / AFFRIAL TURF  
 EXTERNAL FLOOR FINISH  
 LINE OF PROTECTION (ZONE TOP)  
 LINE OF THE EXCLUSION (ZONE TOP)  
 NOTE: REFER TO ARCHITECT REPORT FOR FURTHER DETAILS

**GENERAL NOTES**  
 1. THIS PLAN IS TO BE USED FOR CONSTRUCTION.  
 2. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.  
 3. REFER TO ARCHITECT REPORT FOR FURTHER DETAILS.  
 4. REFER TO LANDSCAPE ARCHITECT REPORT FOR FURTHER DETAILS.  
 5. REFER TO CIVIL ENGINEER REPORT FOR FURTHER DETAILS.  
 6. REFER TO ELECTRICAL ENGINEER REPORT FOR FURTHER DETAILS.  
 7. REFER TO MECHANICAL ENGINEER REPORT FOR FURTHER DETAILS.  
 8. REFER TO PLUMBER REPORT FOR FURTHER DETAILS.  
 9. REFER TO SURVEYOR REPORT FOR FURTHER DETAILS.  
 10. REFER TO STRUCTURAL ENGINEER REPORT FOR FURTHER DETAILS.  
 11. REFER TO TRAFFIC ENGINEER REPORT FOR FURTHER DETAILS.  
 12. REFER TO WIND ENGINEER REPORT FOR FURTHER DETAILS.

**CLIENT**  
 S. PINGALA  
**ARCHITECT**  
 AUSWIDE CONSULTING  
 14 LAVENDER CLOSE, GILLESTON HEIGHTS, NSW 2321  
 PH: 02 9333 1111  
 WWW.AUSWIDECONSULTING.COM.AU

**PROJECT**  
 CHILD CARE CENTRE  
**PROJECT ADDRESS**  
 14 LAVENDER CLOSE, GILLESTON HEIGHTS, NSW 2321  
**SHEET NAME**  
 GROUND FLOOR PLAN  
**ISSUED FOR DEVELOPMENT APPLICATION**  
 24249 DA03.01 A DA  
**DATE**  
 02.14.2024  
**SCALE**  
 1:100  
**DATE**  
 02.07.2024

**NOT FOR CONSTRUCTION**  
 Drawn By: KGI/BR AS/SS  
 Checked By: AS/SS  
 Date: 02.07.2024

ROOM	AREA	PERCENTAGE	TOTAL
PLAYROOM 1	100.00	10.00	1000.00
PLAYROOM 2	100.00	10.00	1000.00
PLAYROOM 3	100.00	10.00	1000.00
PLAYROOM 4	100.00	10.00	1000.00
OUTDOOR PLAY AREA	100.00	10.00	1000.00
KITCHEN	100.00	10.00	1000.00
LAUNDRY	100.00	10.00	1000.00
MEETING	100.00	10.00	1000.00
STAFF	100.00	10.00	1000.00
CORRIDOR	100.00	10.00	1000.00
WC	100.00	10.00	1000.00
TOILET	100.00	10.00	1000.00
STAIR	100.00	10.00	1000.00
ENTRY	100.00	10.00	1000.00
REAR PORCH	100.00	10.00	1000.00
CAR PARKING	100.00	10.00	1000.00
LANDSCAPING	100.00	10.00	1000.00
TOTAL	1000.00	100.00	10000.00

**DA - FENCE LEGEND**  
 1. DA - FENCE (TYPE 1)  
 2. DA - FENCE (TYPE 2)  
 3. DA - FENCE (TYPE 3)  
 4. DA - FENCE (TYPE 4)  
 5. DA - FENCE (TYPE 5)  
 6. DA - FENCE (TYPE 6)  
 7. DA - FENCE (TYPE 7)  
 8. DA - FENCE (TYPE 8)  
 9. DA - FENCE (TYPE 9)  
 10. DA - FENCE (TYPE 10)

ROOM	AREA	PERCENTAGE	TOTAL
PLAYROOM 1	100.00	10.00	1000.00
PLAYROOM 2	100.00	10.00	1000.00
PLAYROOM 3	100.00	10.00	1000.00
PLAYROOM 4	100.00	10.00	1000.00
OUTDOOR PLAY AREA	100.00	10.00	1000.00
KITCHEN	100.00	10.00	1000.00
LAUNDRY	100.00	10.00	1000.00
MEETING	100.00	10.00	1000.00
STAFF	100.00	10.00	1000.00
CORRIDOR	100.00	10.00	1000.00
WC	100.00	10.00	1000.00
TOILET	100.00	10.00	1000.00
STAIR	100.00	10.00	1000.00
ENTRY	100.00	10.00	1000.00
REAR PORCH	100.00	10.00	1000.00
CAR PARKING	100.00	10.00	1000.00
LANDSCAPING	100.00	10.00	1000.00
TOTAL	1000.00	100.00	10000.00

ROOM	AREA	PERCENTAGE	TOTAL
PLAYROOM 1	100.00	10.00	1000.00
PLAYROOM 2	100.00	10.00	1000.00
PLAYROOM 3	100.00	10.00	1000.00
PLAYROOM 4	100.00	10.00	1000.00
OUTDOOR PLAY AREA	100.00	10.00	1000.00
KITCHEN	100.00	10.00	1000.00
LAUNDRY	100.00	10.00	1000.00
MEETING	100.00	10.00	1000.00
STAFF	100.00	10.00	1000.00
CORRIDOR	100.00	10.00	1000.00
WC	100.00	10.00	1000.00
TOILET	100.00	10.00	1000.00
STAIR	100.00	10.00	1000.00
ENTRY	100.00	10.00	1000.00
REAR PORCH	100.00	10.00	1000.00
CAR PARKING	100.00	10.00	1000.00
LANDSCAPING	100.00	10.00	1000.00
TOTAL	1000.00	100.00	10000.00

ROOM	AREA	PERCENTAGE	TOTAL
PLAYROOM 1	100.00	10.00	1000.00
PLAYROOM 2	100.00	10.00	1000.00
PLAYROOM 3	100.00	10.00	1000.00
PLAYROOM 4	100.00	10.00	1000.00
OUTDOOR PLAY AREA	100.00	10.00	1000.00
KITCHEN	100.00	10.00	1000.00
LAUNDRY	100.00	10.00	1000.00
MEETING	100.00	10.00	1000.00
STAFF	100.00	10.00	1000.00
CORRIDOR	100.00	10.00	1000.00
WC	100.00	10.00	1000.00
TOILET	100.00	10.00	1000.00
STAIR	100.00	10.00	1000.00
ENTRY	100.00	10.00	1000.00
REAR PORCH	100.00	10.00	1000.00
CAR PARKING	100.00	10.00	1000.00
LANDSCAPING	100.00	10.00	1000.00
TOTAL	1000.00	100.00	10000.00

ROOM	AREA	PERCENTAGE	TOTAL
PLAYROOM 1	100.00	10.00	1000.00
PLAYROOM 2	100.00	10.00	1000.00
PLAYROOM 3	100.00	10.00	1000.00
PLAYROOM 4	100.00	10.00	1000.00
OUTDOOR PLAY AREA	100.00	10.00	1000.00
KITCHEN	100.00	10.00	1000.00
LAUNDRY	100.00	10.00	1000.00
MEETING	100.00	10.00	1000.00
STAFF	100.00	10.00	1000.00
CORRIDOR	100.00	10.00	1000.00
WC	100.00	10.00	1000.00
TOILET	100.00	10.00	1000.00
STAIR	100.00	10.00	1000.00
ENTRY	100.00	10.00	1000.00
REAR PORCH	100.00	10.00	1000.00
CAR PARKING	100.00	10.00	1000.00
LANDSCAPING	100.00	10.00	1000.00
TOTAL	1000.00	100.00	10000.00

ROOM	AREA	PERCENTAGE	TOTAL
PLAYROOM 1	100.00	10.00	1000.00
PLAYROOM 2	100.00	10.00	1000.00
PLAYROOM 3	100.00	10.00	1000.00
PLAYROOM 4	100.00	10.00	1000.00
OUTDOOR PLAY AREA	100.00	10.00	1000.00
KITCHEN	100.00	10.00	1000.00
LAUNDRY	100.00	10.00	1000.00
MEETING	100.00	10.00	1000.00
STAFF	100.00	10.00	1000.00
CORRIDOR	100.00	10.00	1000.00
WC	100.00	10.00	1000.00
TOILET	100.00	10.00	1000.00
STAIR	100.00	10.00	1000.00
ENTRY	100.00	10.00	1000.00
REAR PORCH	100.00	10.00	1000.00
CAR PARKING	100.00	10.00	1000.00
LANDSCAPING	100.00	10.00	1000.00
TOTAL	1000.00	100.00	10000.00

ROOM	AREA	PERCENTAGE	TOTAL
PLAYROOM 1	100.00	10.00	1000.00
PLAYROOM 2	100.00	10.00	1000.00
PLAYROOM 3	100.00	10.00	1000.00
PLAYROOM 4	100.00	10.00	1000.00
OUTDOOR PLAY AREA	100.00	10.00	1000.00
KITCHEN	100.00	10.00	1000.00
LAUNDRY	100.00	10.00	1000.00
MEETING	100.00	10.00	1000.00
STAFF	100.00	10.00	1000.00
CORRIDOR	100.00	10.00	1000.00
WC	100.00	10.00	1000.00
TOILET	100.00	10.00	1000.00
STAIR	100.00	10.00	1000.00
ENTRY	100.00	10.00	1000.00
REAR PORCH	100.00	10.00	1000.00
CAR PARKING	100.00	10.00	1000.00
LANDSCAPING	100.00	10.00	1000.00
TOTAL	1000.00	100.00	10000.00

ROOM	AREA	PERCENTAGE	TOTAL
PLAYROOM 1	100.00	10.00	1000.00
PLAYROOM 2	100.00	10.00	1000.00
PLAYROOM 3	100.00	10.00	1000.00
PLAYROOM 4	100.00	10.00	1000.00
OUTDOOR PLAY AREA	100.00	10.00	1000.00
KITCHEN	100.00	10.00	1000.00
LAUNDRY	100.00	10.00	1000.00
MEETING	100.00	10.00	1000.00
STAFF	100.00	10.00	1000.00
CORRIDOR	100.00	10.00	1000.00
WC	100.00	10.00	1000.00
TOILET	100.00	10.00	1000.00
STAIR	100.00	10.00	1000.00
ENTRY	100.00	10.00	1000.00
REAR PORCH	100.00	10.00	1000.00
CAR PARKING	100.00	10.00	1000.00
LANDSCAPING	100.00	10.00	1000.00
TOTAL	1000.00	100.00	10000.00