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Waste Management Plan

Proposed Mixed-Use Development
511-537 Sydney Road, Coburg

Prepared for
Assemble SRC Development Nominee Pty Ltd

March 2024

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1. Introduction

Traffix Group has been engaged by Assemble SRC Development Nominee Pty Ltd to prepare a Waste Management Plan for the Proposed Mixed-Use Development at 511-537 Sydney Road, Coburg.

Traffix Group has been engaged by Assemble SRC Development Nominee Pty Ltd to undertake a Waste Management Plan with an amendment to the approved scheme.

This Waste Management Plan is intended to act as a guideline for the proposed development and may be subject to ongoing updates, post-development.

2. Proposal

The application proposes to develop the site for the purpose of a multi-storey mixed-use development which includes two buildings with a shared carpark at ground level and level 1.

The proposed development is summarised in Table 1.

Table 1: Proposed Development Schedule

Building	1-Bed	2-Bed	3-Bed	Total Dwellings	Café (NLA)	Office (NLA)
North	46	75	48	169	103 m ²	471 m ²
South	55	81	21	157	0 m ²	580 m ²
Total	101	156	69	326	103 m²	1,051 m²

Vehicle, bicycle and loading access is proposed via a private accessway at the northern extent of the site via the signalised intersection of Sydney Road and Urquhart Street.

Waste collection shall be undertaken within the ground floor via 6.4m long mini rear loader private waste collection vehicle consistent with the current permit arrangements.

A copy of the development plans prepared by Jackson Clement Burrows Architects dated February 2024 is attached at Appendix A.

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3. Waste Management Plan

3.1. Waste Systems

The waste management systems of the proposed development comprise of the following components:

- Immediate smaller bins within individual dwellings for temporary storage of garbage and recyclable, organics, and glass waste.
- Immediate smaller bins within the office and retail for temporary storage of garbage, recycling, and paper & cardboard.
- Mobile garbage bins within the residential and commercial waste storage areas for each waste stream at the ground level car park.
- Dual chutes within the upper levels for transfer of residential garbage and recyclable waste between the residential floors and the residential bin store on the ground level.

3.1.1. Management of Waste Streams

The waste generated by the proposed development will be separated and managed into the following waste streams, as detailed in Table 2.

Residential waste generated in a particular building is to be disposed of in the corresponding waste room, and commercial waste to be disposed of to a dedicated waste room.

Table 2: Waste Streams

Waste Type	Waste Management	
	Residential Waste	Commercial Waste
Garbage	<p>Each dwelling shall be provided with plastic bins for temporary storage of waste.</p> <p>Residents will place general landfill waste in tied plastic bags and dispose of the bagged garbage into the garbage bins via waste chutes located on each level adjacent the lift core.</p> <p>Building Management/Owners Corporation will be responsible for swapping the empty bins within the assigned residential waste area at the ground level.</p>	<p>Each tenancy shall be provided with plastic bins for temporary storage of landfill waste.</p> <p>Staff will place general landfill waste in tied plastic bags and dispose of the bagged garbage directly into the communal garbage bins.</p>

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Waste Type	Waste Management	
	Residential Waste	Commercial Waste
Commingled Recycling	<p>Residents will primarily dispose of recyclable items via a bin chute to the recycling bins within the ground level.</p> <p>Full recycling bins are to be transferred to the assigned residential waste area at ground level for temporary store and replaced with empty bins under the chutes.</p>	<p>Staff will dispose of loose recyclable items directly into the communal recycling bins in the commercial waste area provided at ground floor.</p>
FOGO	<p>Residents will be provided with a waste caddy bin.</p> <p>Residents will dispose of organic waste into the sealable buckets located next to waste chutes on each residential level.</p> <p>Building Management is to organise the transfer of FOGO waste to the Closed Loop Composter within the Composter store area at ground level.</p>	<p>Each tenancy shall be provided with a caddy for temporary storage of organic waste.</p> <p>Building Management will organise the transfer of FOGO waste to the Closed Loop Composter within the Composter store area at ground level.</p>
Glass	<p>Residents will dispose of glass waste directly into personal bins. When the bin is full, residents will transfer the glass waste into bins located next to waste chutes on each residential level.</p> <p>Building Management is to organise the transfer of glass waste to the waste rooms in the ground level.</p>	<p>Staff will dispose of glass waste straight into the bins in waste room.</p>
Paper & cardboard	<p>Residents will dispose of paper and cardboard items via recycling chutes where possible.</p> <p>Paper and cardboard waste generated by residents are anticipated to be low and can be accommodated within the recycling bin.</p>	<p>Each tenancy is to be provided with smaller plastic bins for temporary storage of paper & cardboard, noting that specific waste is to be appropriately folded when necessary.</p> <p>Staff will dispose of loose cardboard directly into the paper & cardboard bin within the assigned commercial waste area at ground level.</p>
Hard Waste	<p>Residents will dispose of hard waste including used furniture and white goods with the assistance of Building Management.</p> <p>A temporary hard waste storage area is provided adjacent the individual bin rooms of each building at the ground level.</p>	<p>The commercial tenancies will dispose of any hard waste via a private contractor on a required basis through Building Management/ Owners Corporation.</p>

3.2. Waste Generation

3.2.1. Overall Generation Rates

The proposed land uses have been assessed against the waste generation rates specified under the *Better Practice Guide for Waste Management and Recycling in Multi-unit Developments* by Sustainability Victoria.

For the purposes of this assessment, we have assumed the following:

- The retail component adopts café rates (higher than a standard shop but lower than a restaurant).

Retail tenancies have been categorised as café for a conservative analysis. Table 3 sets out the expected waste generation for the Proposed Mixed-Use Development.

Table 3: Waste Generation Rates

Waste Source	Garbage ^(Note 1)	Recycling ^(Note 1)
Residential		
One-bedroom dwelling	80L/room per week	80L/room per week
Two-bedroom dwellings	100L/room per week	100L/room per week
Three-bedroom dwellings	120L/room per week	120L/room per week
Commercial		
Retail Shop (Café)	300L/100m ² floor area/day	200L/100m ² floor area/day
Office	10L/100m ² floor area/day	10L/100m ² floor area/day

It is assumed that retail tenancy will operate seven days a week.

It is assumed that the office tenancies would operate five days a week.

Estimates for the total waste generated by the proposed development, for the north building and the south building, are detailed in and Table 4 and Table 5, respectively.

A separate waste room will be provided for the residential and commercial uses within each building at ground level.

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Table 4: Expected Waste Generation for the Proposed Use – North Building

Waste Source	Size/No.	Garbage	Recycling
Residential – North			
One-bedroom dwelling	46	3,680L per week	3,680L per week
Two-bedroom dwellings	75	7,500L per week	7,500L per week
Three-bedroom dwellings	48	5,760L per week	5,760L per week
Commercial – North			
Retail (Café)	103 m ²	2,163L per week	1,442L per week
Office	471 m ²	236L per week	236L per week

Table 5: Expected Waste Generation for the Proposed Use – South Building

Waste Source	Size/No.	Garbage	Recycling
Residential – South			
One-bedroom dwelling	55	4,400L per week	4,400L per week
Two-bedroom dwellings	81	8,100L per week	8,100L per week
Three-bedroom dwellings	21	2,520L per week	2,520L per week
Commercial – South			
Office	580m ²	290L per week	290L per week

3.2.2. Considering Alternative Waste Streams

In accordance with the Victorian Government's *Circular Economy Policy: Recycling Victoria*, food organics & green organics (FOGO), glass, and paper & cardboard waste have been considered separately to help reduce landfill at the source.

A number of different uses across the site are expected to generate FOGO, glass and paper & cardboard waste as summarised in Table 6.

Residential Component

Organic waste is included within the 'garbage' waste rates. Based on the *Victorian Statewide Garbage Bin Audit – Food Waste 2016*, approximately 35% of garbage waste from residential uses are organics. Approximately 30% of the recycling waste is adopted as glass waste.

Commercial Component

For the café premises, approximately 30% of garbage waste is considered as organic and 40% of recycling waste as paper and cardboard (P&C).

In relation to the office component, 50% of recycling waste is considered as Paper & Cardboard.

Table 6: Alternative Waste Streams

Land Use	Garbage		Recycling		
	General	FOGO	Commingled	Glass	Paper & Cardboard
Residential					
All dwellings	65%	35%	70%	30%	-
Commercial					
Retail (café)	70%	30%	60%	-	40%
Office	100%	-	50%	-	50%

3.3. Waste Equipment

3.3.1. Mobile Garbage Bins (MGBs)

Based on the determined waste generation, Table 7 to Table 9 provides a summary of the nominated waste storage area provisions and the frequency of collection.

Two waste rooms will be dedicated to residential waste, one each for the north and south buildings, and a third waste room is to be provided for the combined commercial tenancies.

Residential and commercial FOGO waste will make use of a composter system with an excess accommodated in general waste bins.

Table 7: Waste Bins and Collection Frequencies – North Building Residential

Waste Stream	Waste Volume (L/week)	Bin Capacity	No. of Bins Required	Collection Frequency (per week)
Residential – North				
Garbage	11,011L	1,100L	5 no.	2
Recycling	11,858L	1,100L	6 no.	2
Glass	5,082L	120L	22 no.	2

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Table 8: Waste Bins and Collection Frequencies – South Building Residential

Waste Stream	Waste Volume (L/week)	Bin Capacity	No. of Bins Required	Collection Frequency (per week)
Residential – South				
Garbage	9,763L	1,100L	5 no.	2
Recycling	10,514L	1,100L	5 no.	2
Glass	4,506L	120L	20 no.	2

Table 9: Waste Bins and Collection Frequencies – Total Commercial

Waste Stream	Waste Volume (L/week)	Bin Capacity	No. of Bins Required	Collection Frequency (per week)
Commercial – For north and south building				
Garbage	2,040L	660L	2 no.	2
Recycling	1,128L	660L	1 no.	2
Paper & Cardboard	840L	660L	1 no.	2

In addition to the above, each bin storage room will also provide a 240L charity collection bin and a 240L e-waste bin for the residential use. These are to be collected as needed at the discretion of the property manager.

Further details regarding the required waste equipment are detailed in Table 10.

Table 10: Bin Details and Colours

Waste Stream	Bin Capacity	Dimensions (H x W x D) <small>Note 1</small>	Bin Lid Colour <small>Note 2</small>	Bin Body Colour <small>Note 2</small>
Garbage	660L 1,100L	1,200 x 1,260 x 780mm 1,330 x 1,240 x 1,070mm	Red	Dark Green
Recycling	660L 1,100L	1,200 x 1,260 x 780mm 1,330 x 1,240 x 1,070mm	Yellow	
Glass	120L	915 x 535 x 615mm	Purple	
Paper & cardboard	660L	1,200 x 1,260 x 780mm	Blue	
e-Waste & Charity	240L	1,060 x 585 x 730mm	Dark Green	

Note 1. Bin capacity and dimensions are provided as an indicative dimension, sourced from Bin Supplier, 'Sulo'.

Note 2. Bin lid and body colours are based on the bin colour scheme set out by Meri-bek City Council.

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3.3.2. Above Ground Bin Rooms

A smaller contained waste room will be provided for residents at each level between level 1 to level 13 for both the north and south buildings. Each small storeroom is to be adjacent the lift core and the typical layout is presented at Figure 1 and includes:

- 1x120L bin for glass,
- 6X20L sealable/stackable buckets for FOGO, and
- Dual chutes for transfer of residential garbage and recyclable waste between the residential floors and the respective residential bin store at ground level.

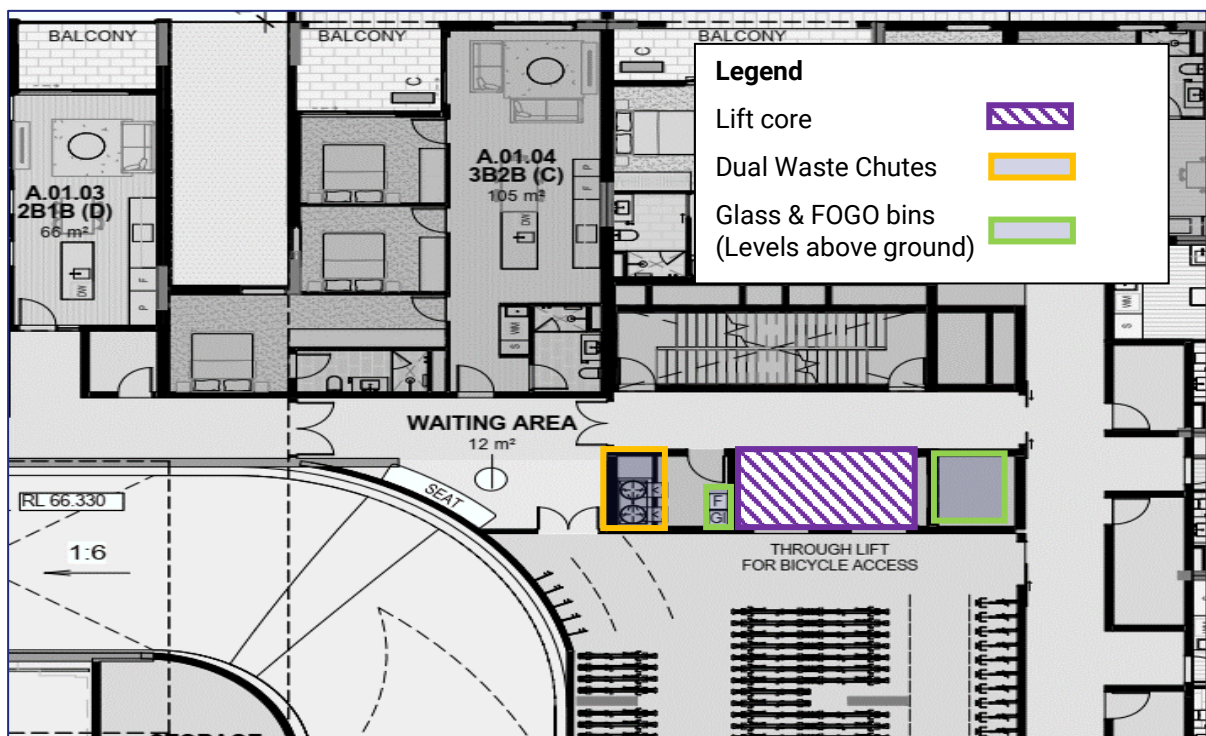


Figure 1: Bin Chute Location and Layout – Typical Layout (North Building)

A dual waste chute system will be provided for residents on levels 1 to 13. A dedicated chute will be provided for each garbage and recycling which will terminate into the appropriate bins located in the bin storeroom within the ground level.

The chutes shall be designed to the manufacturer’s specifications and appropriate signage and instructions will be provided to residents to ensure correct and safe use of the chute system. Access to the chute outlet at ground level 1 will be secured and accessible to trained personnel only. Bins are to be rotated as required.

The manufacturer specifications for the chute system are available at Appendix B.

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3.3.3. Waste Rooms

Composter (Closed Loop System)

The FOGO waste generated by residential and commercial tenancies can be managed with the use of a composter system.

The Closed Loop composter system adopts a per/kg rate for each individual unit.

The models available and their capacities are listed below:

- CLO-10 – Up to 20kg/day,
- CLO-30 – Up to 60kg/day,
- CLO-50 – Up to 100 kg/day,
- CLO-100 – Up to 200 kg/day.

The proposed development includes two rooms for the Closed Loop Composters in the ground level waste area described as follows:

- North Building – Accommodating the FOGO waste for the north building residential component,
- South Building – Accommodating all the FOGO waste for the south building residential and combined commercial components.

The recommended composter system based on the FOGO waste generation which is presented in Table 11.

Table 11: FOGO Composter Calculations

Building	FOGO (L/week)	FOGO (kg/week)	FOGO (kg/day)	Composter Model
North	5,929L/week	1,364 kg/week	195 kg/day	CLO-100
South	5,906L/week	1,358 kg/week	194 kg/day	CLO-100

Up to 6 x 20L sealable/stackable buckets are to be provided at each residential level. Buckets will be collected daily with a trolley by facilities managers and transferred to the organic waste composter (Closed Loop Organic Composter model or similar) located within the composter bin store.

This system will reduce waste volumes by up to 90% in 24 hours and will need to be emptied once a week (to be managed by facilities staff). It is understood that the compost will be utilised by the residents/commercial tenancies to use in their gardens.

The manufacturer's specification for the Closed Loop composter is available at Appendix C.

3.3.4. Waste Area and Collection

The proposed development provides two waste areas located on the east of the ground level carpark which have pedestrian access via the internal lifts, stairwells and accessways to Sydney Road.

The waste areas, including the proposed space for a propped waste vehicle, for the north building and south building are illustrated at Figure 2 and Figure 3, respectively.

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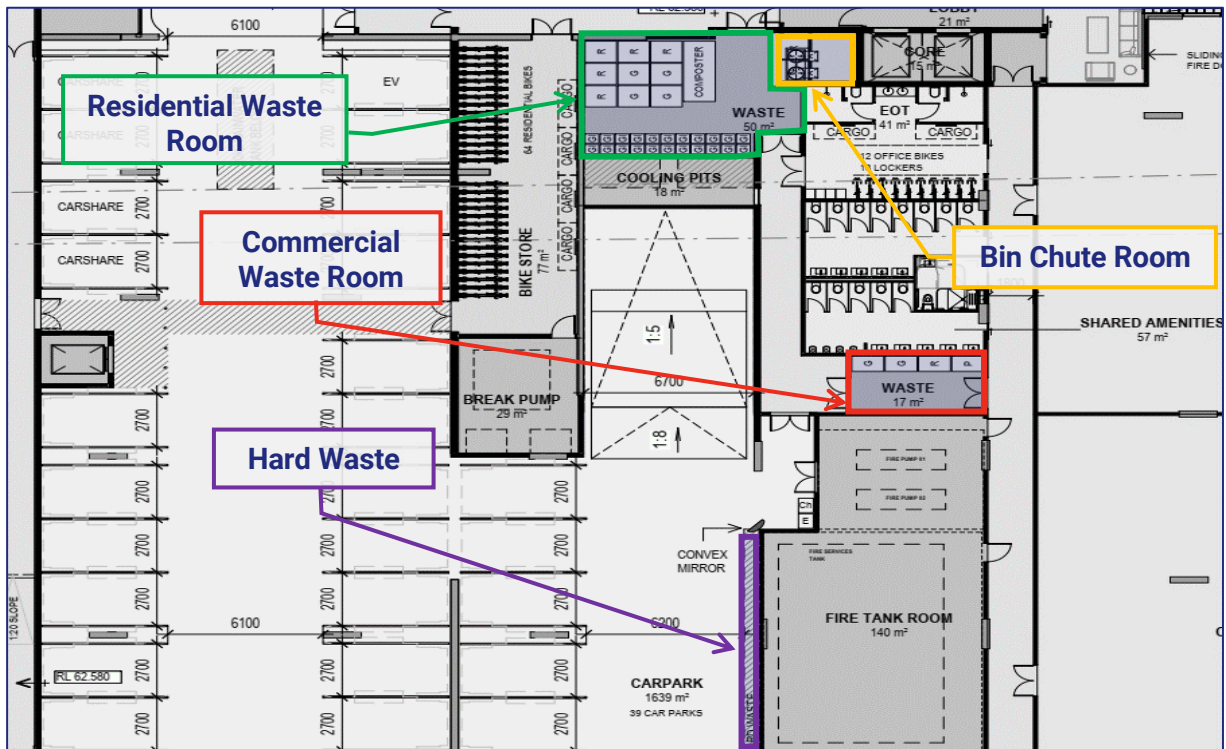


Figure 2: Proposed Waste Area at Ground Level – North Building and Commercial

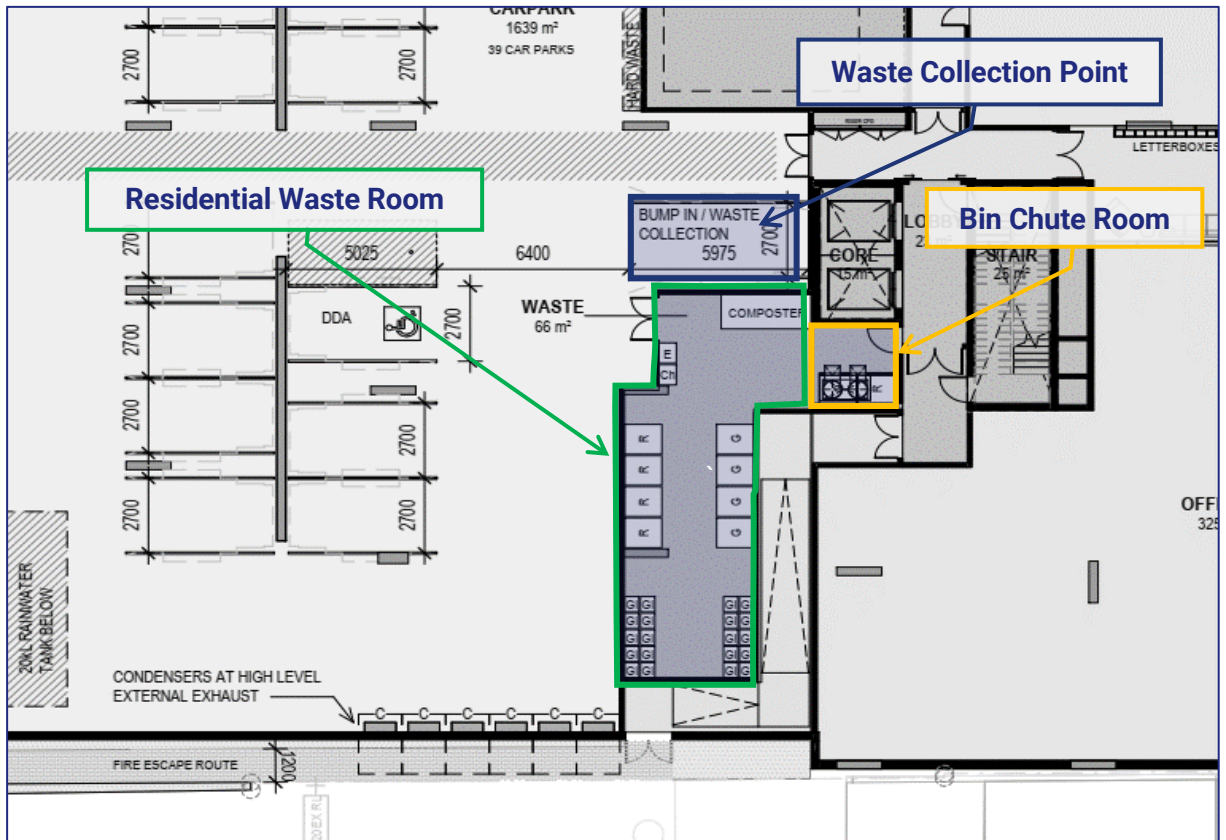


Figure 3: Proposed Waste Area at Ground Level – South Building

Table 12 details the waste area requirements based on the proposed waste equipment.

Table 12: Waste Area Requirements

Use	Waste Equipment	Net Area (Note 1)	Quantity	Net Waste Storage Area Required	Waste Area Provided
North Building Residential	120L	0.26m ²	22	5.22m ²	>28.51m ²
	240L	0.43m ²	2	0.86m ²	
	1,100L	1.33m ²	11	14.63m ²	
	Closed Loop composter: CLO-100			3.80m ²	
	Hard waste storage area			4m ²	
South Building Residential	120L	0.26m ²	20	5.20m ²	>26.86m ²
	240L	0.43m ²	2	0.86m ²	
	1,100L	1.33m ²	10	13.0m ²	
	Closed Loop composter: CLO-100 (accommodates south building residential and commercial FOGO waste)			3.80m ²	
	Hard waste storage area			4m ²	
Commercial	660L	0.98m ²	4	3.92m ²	>3.92m ²

Note 1: Net area required is calculated from the dimensions of the bins.

Based on the above, sufficient space is provided for on-site waste storage within the proposed ground level facilities.

3.4. Signage

Appropriate signage in accordance with Sustainability Victoria will be displayed on the bins and within the waste area, as illustrated in Figure 4.

The signage will help guide and encourage residents and staff of the proposed mixed-use development to dispose waste correctly into the appropriate waste streams.

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Figure 4: Waste Signage Examples

3.5. Waste Collection Arrangements and Vehicle Access

It is proposed that waste collection will occur on-site within the ground level carpark. A private contractor will be engaged to collect the waste via a mini rear loading waste vehicle (typically 6.4m long and 2.1m high). The headroom clearance at the waste collection point will be at least 2.5 metres.

The private contractor will prop temporarily within the accessway whilst the bins are emptied and exit the site in a forward direction. Waste collection will be undertaken outside peak traffic times to minimise disruption and ensure there is sufficient space within the carpark for the transfer of bins to and from the waste vehicle.

Traffix Group has provided advice to the project architect in order to accommodate vehicle access of the 6.4m long mini rear loading waste vehicle within the site.

Swept path diagrams demonstrating vehicle access of the 6.4m long mini rear loading waste vehicle entering and exiting the site in a forward direction is attached at Appendix D.

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4. Amenity Impacts

It is the responsibility of Building Management to carry out the ongoing maintenance of all waste areas to minimise the following amenity impacts.

4.1. Ventilation/Odour Prevention

For developments using forced ventilation or air-conditioning system, adequate ventilation will be provided within the bin store areas in accordance with AS1668.2 to ensure waste-related odours are minimised.

Waste areas will be frequently cleaned to prevent the retainment of odours.

4.2. Noise Reduction

The waste facilities will comply with BCA and AS2107 acoustic requirements. Private waste collection will follow Council's and EPA guidelines to ensure acoustic impact is minimised.

Collection days and times will be determined following the confirmation of a specific private waste collection contractor by Building Management. Waste collection time should comply with the EPA Noise Control Guidelines (Publication 1254):

Domestic Waste Collection

- *Collections occurring once a week should be restricted to the hours 6am – 6pm Monday to Saturday.*
- *Collections occurring twice a week should be restricted to the hours 7am – 6pm Monday to Saturday.*

Commercial Waste Collection

- *Collections occurring once a week should be restricted to the hours 6am – 6pm Monday to Saturday.*
- *Collections occurring more than once a week should be restricted to the hours 7 am – 6pm.*

4.3. Vermin Prevention & Litter Management

Waste areas will be secured to prevent any unauthorised use. Waste areas will be monitored by Building Management to ensure that bins are not overfilled and any spillage resulting from waste collection is appropriately addressed. All access doors and bin lids will be kept closed at all times to prevent vermin access to the waste areas.

4.4. Washing Facilities and Stormwater Pollution

Third Party contractors can be engaged for cleaning and washing services. Alternatively, appropriate washing facilities including water supply and hose shall be provided for the regular washing of the bins and waste area by Building Management. Washing facility provided will be connected to the sewerage for drainage to prevent any stormwater pollution.

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5. Ongoing Maintenance & Sustainability Initiatives

5.1. Maintenance Management

Further to the occupation of the proposed development, it is the responsibility of Building Management for the ongoing operation and maintenance of the Waste Management Plan.

The Building Management will ensure that maintenance work and upgrades are carried out on the waste areas and components of the waste system. When required, Building Management will engage an appropriate contractor to conduct maintenance services, replacements, or upgrades.

All ongoing costs are to be fully met by the Building Management.

5.2. Waste Reduction Strategies

Building Management/Owners Corporation will be responsible to encourage staff and residents to reduce waste disposal and recycle materials based on the waste management hierarchy set out by Sustainability Victoria.

The hierarchy is detailed at Figure 5 below.

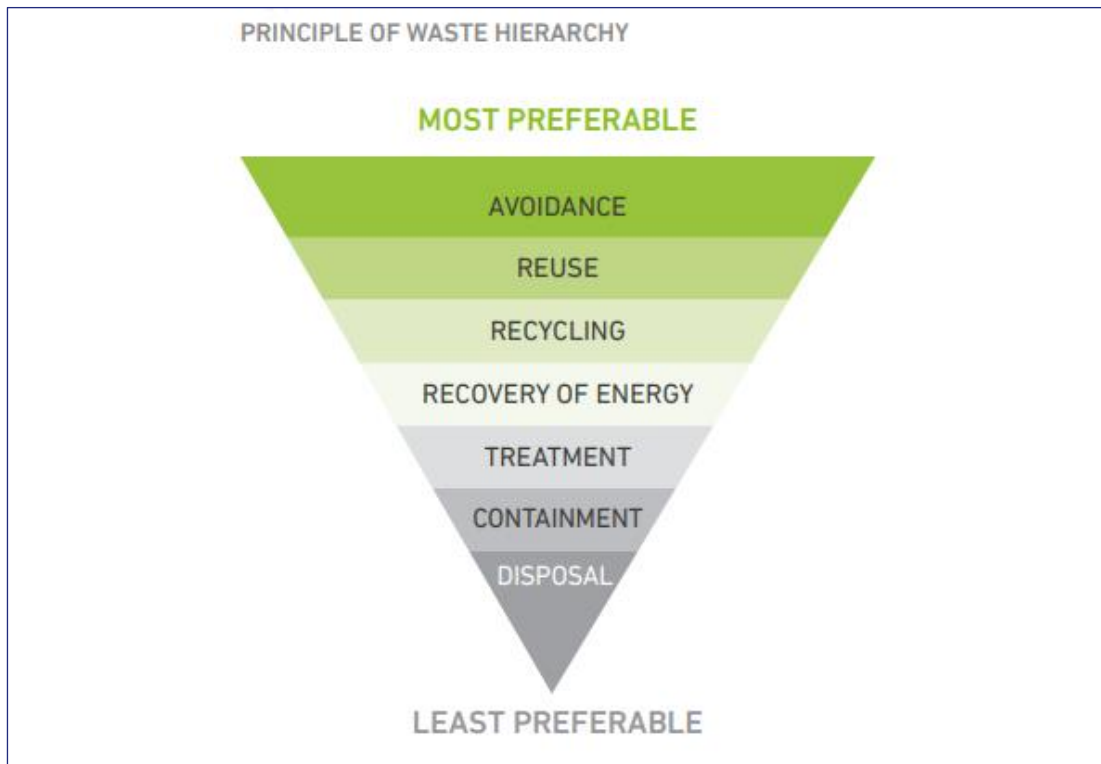


Figure 5: Sustainability Victoria's Waste Management Hierarchy

Additionally, Building Management can set targets and measures to reduce garbage going to landfill and increase recycling and choose to participate in Council's waste programs to promote sustainability initiatives.

5.3. Waste Management Rules

It will be the responsibility of Building Management to ensure all residents and staff are provided with the relevant information and materials regarding the waste management system and sustainability strategies of the proposed development.

Relevant information will be provided at the waste areas to ensure that all users will operate and maintain safe practice when utilising the waste facilities.

5.4. Monitoring and Review

This Waste Management Plan should be monitored and reviewed on a regular basis to ensure that it meets the regulatory requirements and the expected waste generation rates outlined in Section 3.2.1. The property manager will be responsible for monitoring the Waste Management Plan. Where required, the property manager should undertake a waste audit to identify any modifications and/or improvements to the waste management system.

5.5. Occupational Health and Safety Risk Assessment

Further to the occupation of the residential development, Building Management will ensure the waste collection arrangements comply with the relevant occupational health and safety (OH&S) guidelines including WorkSafe Victoria's *Occupational Health and Safety Guidelines for the Collection, Transport and Unloading of Non-hazardous Waste and Recyclable Materials* (June 2003).

Additionally, Building Management will ensure the nominated private contractor completes a risk assessment, provides staff training and implements safety procedures to address the risks associated with waste management activities, including manual bin handling, bin transfers and cleaning of waste equipment.

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6. Contact Information

Table 13 provides a list of common waste collection service contractors and waste equipment suppliers. The property manager is not obligated to procure goods/services from the following suppliers and reserves the right to choose their own preferred suppliers.

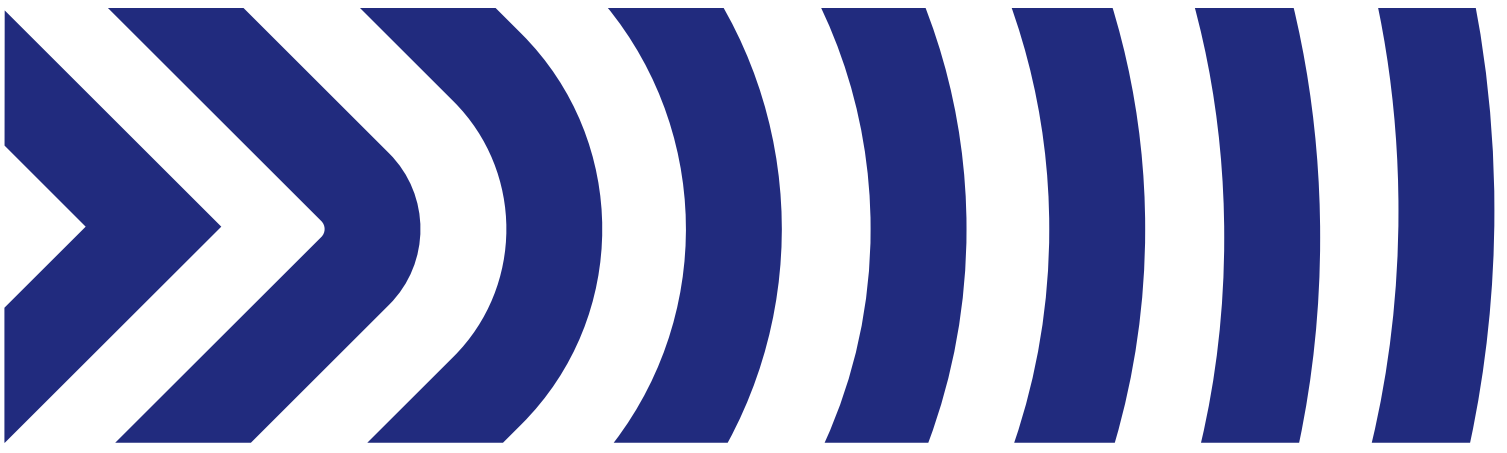
Traffix Group does not make representations for the goods/services provided by the suppliers listed below.

Table 13: Supplier Contact Information

Service Type	Business Name	Phone	Website
Private Waste Collectors	Citywide Waste	03 9261 5000	www.citywide.com.au
	Cleanaway	13 13 39	www.cleanaway.com.au
	Veolia	13 29 55	www.veolia.com/anz
	JJ Richards	03 9794 5722	www.jjrichards.com.au
	Waste Wise Environmental	1300 550 408	www.wastewise.com.au
	Kartaway	1300 362 362	www.kartaway.com.au
	iDump	1300 443 867	www.idump.com.au
	Waste Ninja	1300 648 088	www.wasteninja.com.au
E-Waste Collection	TechCollect	1300 229 837	www.techcollect.com.au
Equipment Supplier	Sulo Australian (bin supplier)	03 9357 7320	www.sulo.com.au
	Mr Wheelie Bin (bin supplier)	03 9912 2850	www.mrwheeliebin.com.au
	Electrodrive (tug supplier)	1300 934 471	www.electrodrive.com.au
	Warequip (tug supplier)	1800 337 711	www.warequip.com.au
	Wastech Engineering (compactors & chutes)	1800 465 465	www.wastech.com.au
	Elephants Foot (compactors & chutes)	1300 435 374	www.elephantsfoot.com.au
	ASI JD MacDonald (chutes)	1800 023 441	www.jdmacdonald.com.au

Service Type	Business Name	Phone	Website
	Eco-safe Technologies (odour control system)	1300 135 039	www.eco-safe.com.au
Bin Washing Services	The Bin Butlers	1300 788 123	www.thebinbutlers.com.au
	WBCM Environmental Australia	1300 800 621	www.wbcm-aust.com.au
	Kerbside Clean-A-Bin	03 9588 1944	www.kerbsidecleanabin.com.au

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Appendix A

Development Plans

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GENERAL NOTES
 THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL RELEVANT CONTRACTS, SPECIFICATIONS AND DRAWINGS.
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 DIMENSIONS ARE IN MILLIMETRES AND LEVELS ARE IN METRES.
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 USE FIGURED DIMENSIONS ONLY. CHECK AND VERIFY ALL DIMENSIONS ON SITE PRIOR TO COMMENCING WORK.

REV	DATE	DESCRIPTION
1	22/12/2023	PRELIMINARY DTP SUBMISSION
2	15/02/2024	DRAFT DTP SUBMISSION
3	28/02/2024	FORMAL DTP SUBMISSION

CLIENT
ASSEMBLE

PROJECT
SYDNEY RD
511-537 SYDNEY ROAD, COBURG

DRAWING TITLE
LEVEL 00 GROUND FLOOR PLAN

DATE FEB 2024 **CHECKED** LW **APPROVED** CB

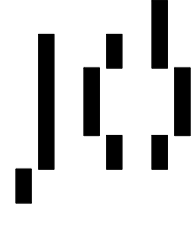
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STATUS
TOWN PLANNING

DRAWING NUMBER
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ADVERTISED PLAN

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3	28/02/2024	FORMAL DTP SUBMISSION

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PROJECT
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511-537 SYDNEY ROAD, COBURG

DRAWING TITLE
LEVEL 00 GROUND FLOOR PLAN - PAO CONDITION

DATE FEB 2024 **CHECKED** LW **APPROVED** GB

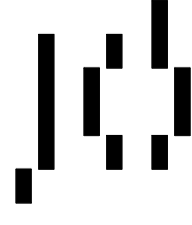
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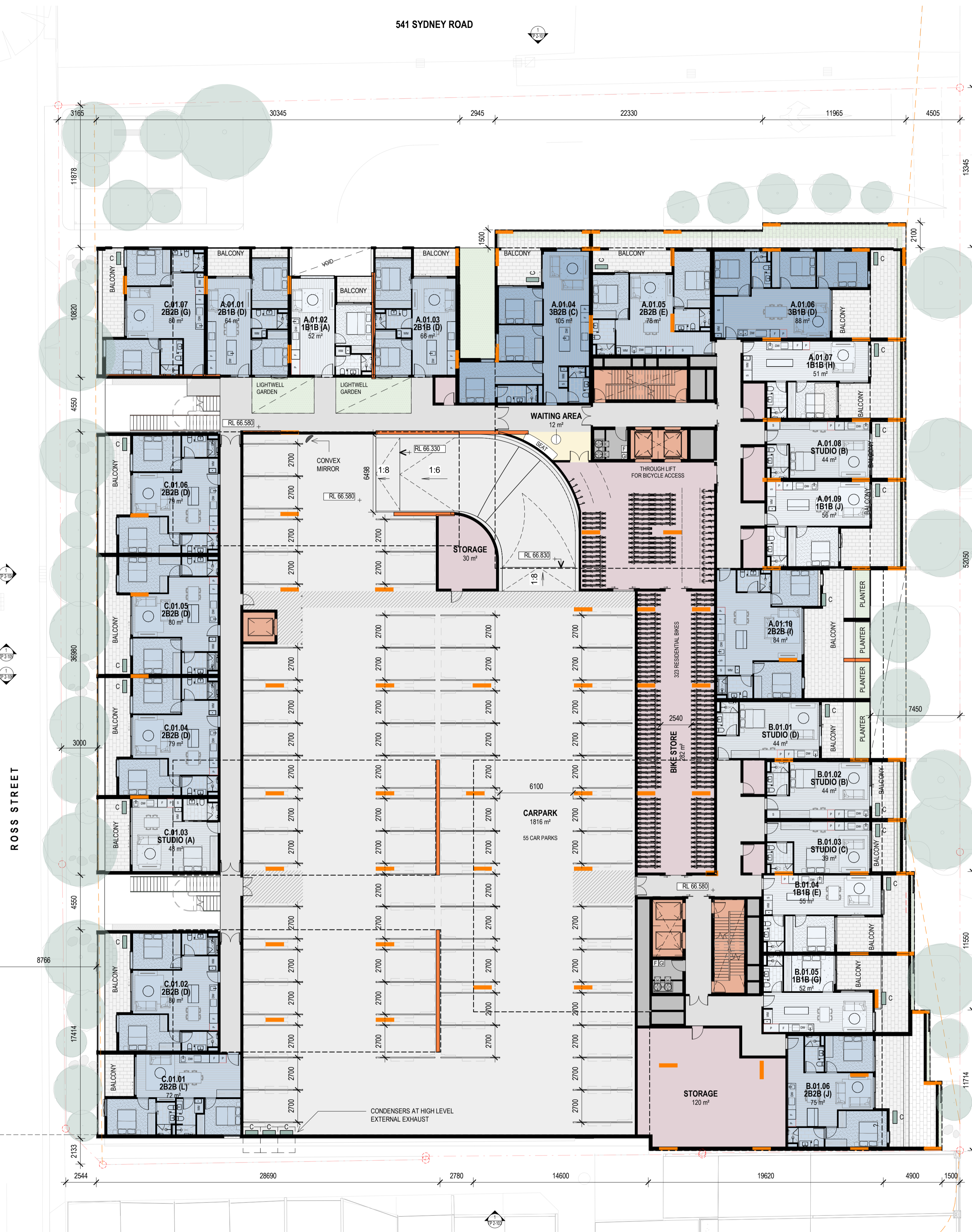
STATUS
TOWN PLANNING

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REV	DATE	DESCRIPTION
1	22/12/2023	PRELIMINARY DTP SUBMISSION
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DRAWING TITLE
LEVEL 01 PLAN

DATE
FEB 2024

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LW

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CB

SCALE
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STATUS
TOWN PLANNING

DRAWING NUMBER
TP 1-103

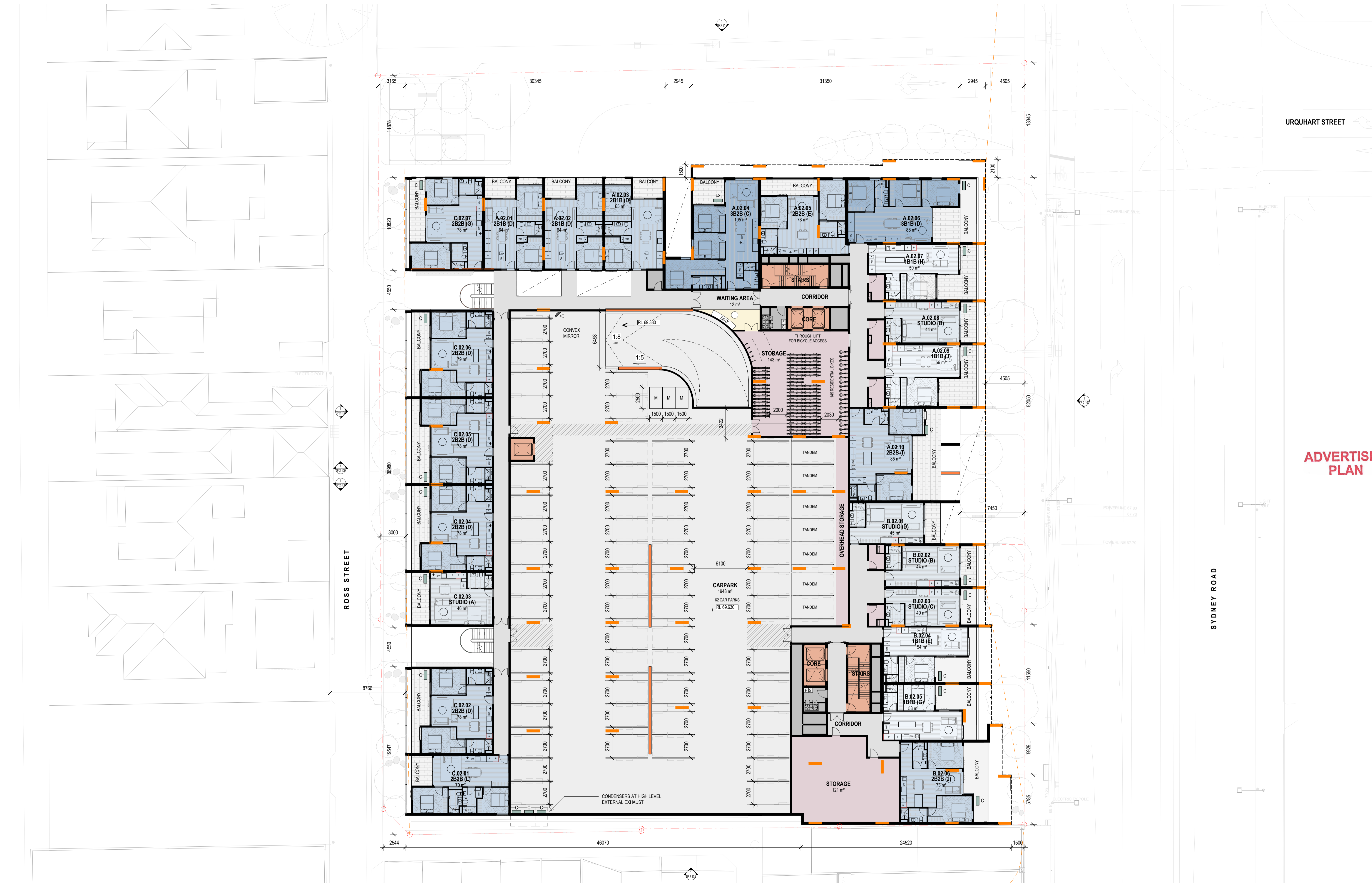
PROJECT #
22-076

REVISION
3

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Format of E-Data Tables and Guidelines



URQUHART STREET

ROSS STREET

SYDNEY ROAD

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REV	DATE	DESCRIPTION
1	22/12/2023	PRELIMINARY DTP SUBMISSION
2	15/02/2024	DRAFT DTP SUBMISSION
3	28/02/2024	FORMAL DTP SUBMISSION

CLIENT
ASSEMBLE

PROJECT
**SYDNEY RD
 511-537 SYDNEY ROAD, COBURG**

DRAWING TITLE
LEVEL 02 PLAN

DATE
FEB 2024

CHECKED
LW

APPROVED
CB

SCALE
1:200

STATUS
TOWN PLANNING

DRAWING NUMBER
TP 1-104

PROJECT #
22-076

REVISION
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<http://www.planfax.com.au>



URQUHART STREET

ROSS STREET

SYDNEY ROAD

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REV	DATE	DESCRIPTION
1	22/12/2023	PRELIMINARY DTP SUBMISSION
2	15/02/2024	DRAFT DTP SUBMISSION
3	28/02/2024	FORMAL DTP SUBMISSION

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PROJECT
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511-537 SYDNEY ROAD, COBURG

DRAWING TITLE
LEVEL 03 PLAN

DATE FEB 2024 **CHECKED** LW **APPROVED** CB

SCALE
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STATUS
TOWN PLANNING

DRAWING NUMBER
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PlanSet of E-Data Tables and Guidelines
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REV	DATE	DESCRIPTION
1	22/12/2023	PRELIMINARY DTP SUBMISSION
2	15/02/2024	DRAFT DTP SUBMISSION
3	28/02/2024	FORMAL DTP SUBMISSION

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ASSEMBLE

PROJECT
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DRAWING TITLE
LEVEL 04 PLAN

DATE
FEB 2024

CHECKED
LW

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CB

SCALE
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STATUS
TOWN PLANNING

DRAWING NUMBER
TP 1-106

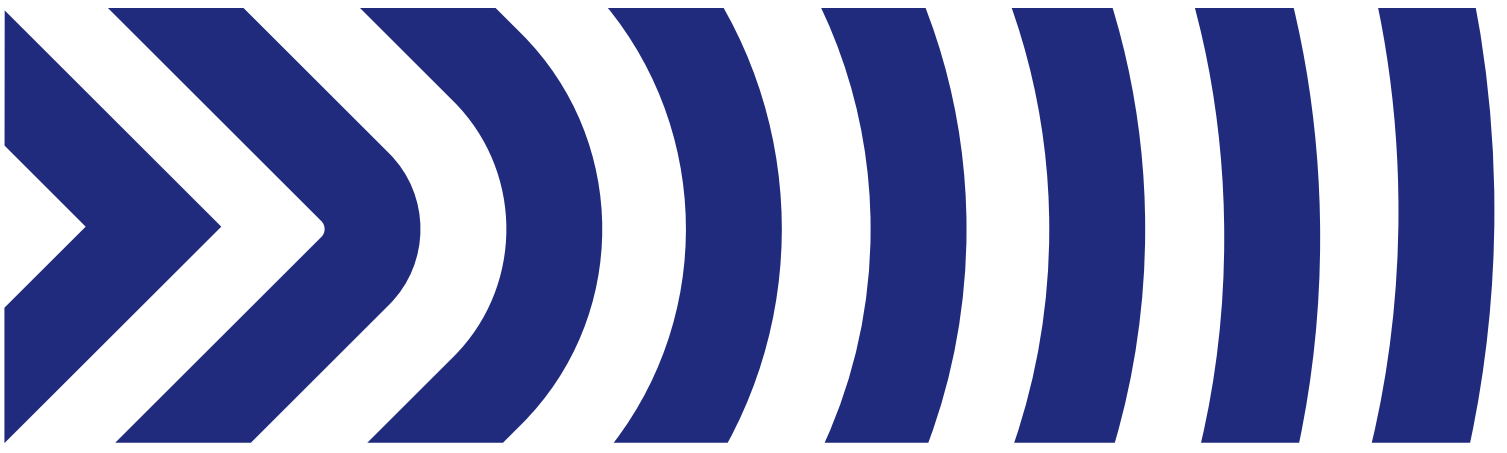
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Appendix B

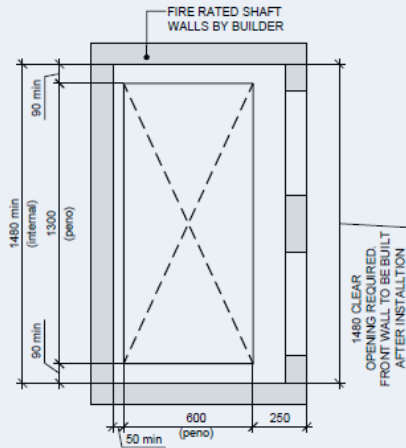
Waste Chute System

**ADVERTISED
PLAN**

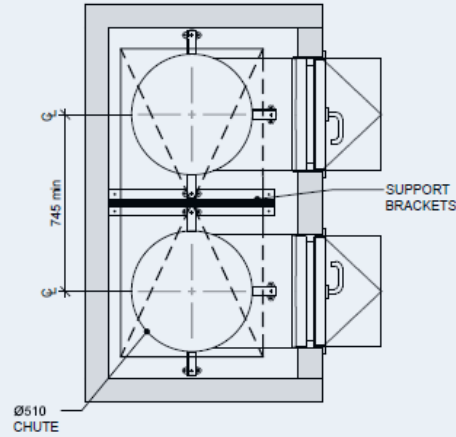


ADVERTISED PLAN

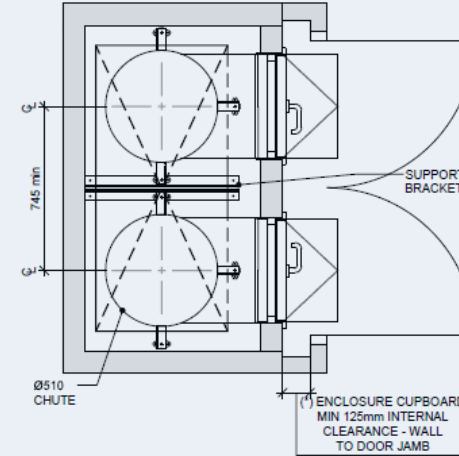
Dual 510mm Setout



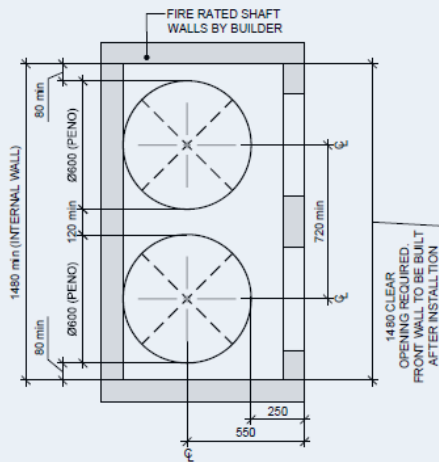
1 DUAL (510Ø) GALVANISED STEEL CHUTE LAYOUT PENETRATION SET-OUT SCALE 1:20



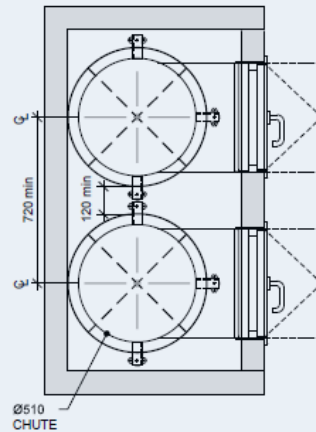
2 DUAL (510Ø) GALVANISED STEEL CHUTE LAYOUT SCALE 1:20



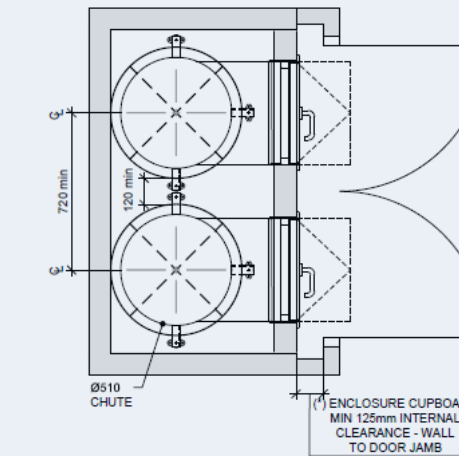
3 DUAL (510Ø) GALVANISED STEEL CHUTE LAYOUT with ENCLOSURE CUPBOARD (*)



4 DUAL (510Ø) STEEL CHUTE CIRCULAR PENETRATION SET-OUT SCALE 1:20



5 DUAL (510Ø) GALVANISED STEEL CHUTE LAYOUT SCALE 1:20



6 DUAL (510Ø) GALVANISED STEEL CHUTE LAYOUT SCALE 1:20

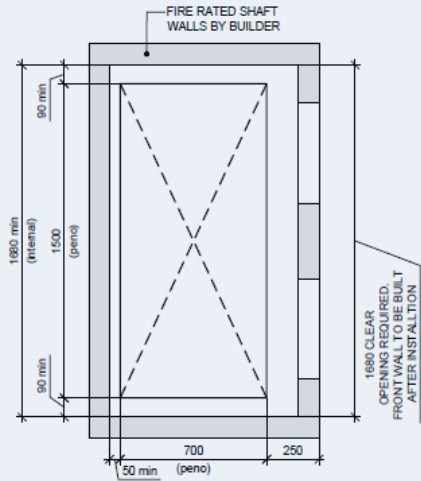
NOTE: ENCLOSURES ARE RECOMMENDED IF THE CHUTE OPENS DIRECTLY TO A CORRIDOR OR IS NOT LOCATED IN A WASTE ROOM. IF CHUTE ACCESS IS WITHIN A WASTE ROOM THEN THE CUPBOARD ENCLOSURES ARE NOT REQUIRED.



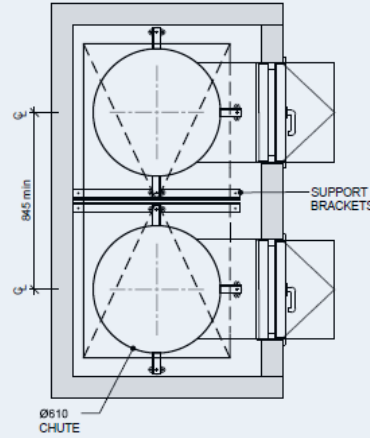


ADVERTISED PLAN

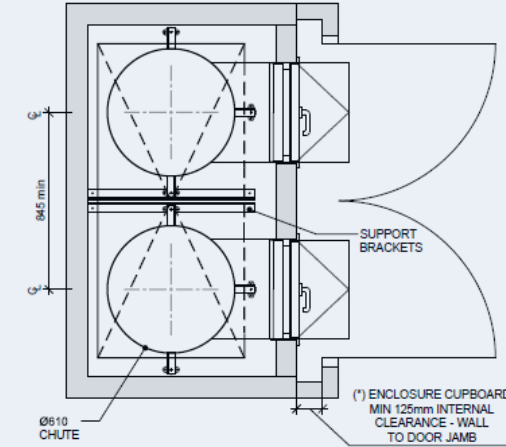
Dual 610mm Setout



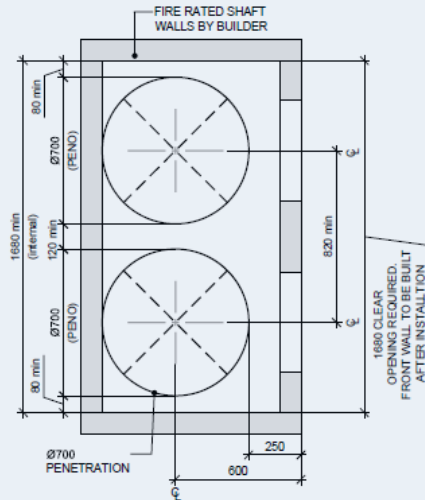
1 DUAL (610Ø) GALVANISED STEEL CHUTE LAYOUT PENETRATION SET-OUT SCALE 1:20



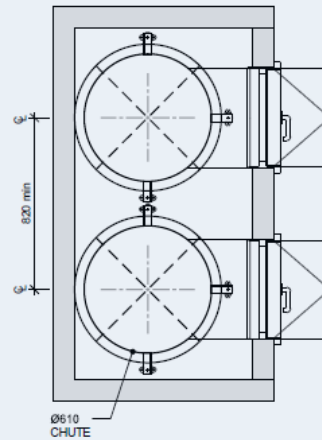
2 DUAL (610Ø) GALVANISED STEEL CHUTE LAYOUT SCALE 1:20



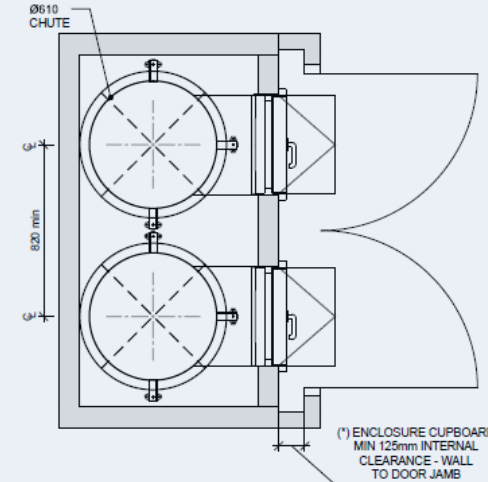
3 DUAL (610Ø) GALVANISED STEEL CHUTE LAYOUT with ENCLOSURE CUPBOARD (*) SCALE 1:20



4 DUAL (610Ø) GALVANISED STEEL CHUTE LAYOUT CIRCULAR PENETRATION SET-OUT SCALE 1:20



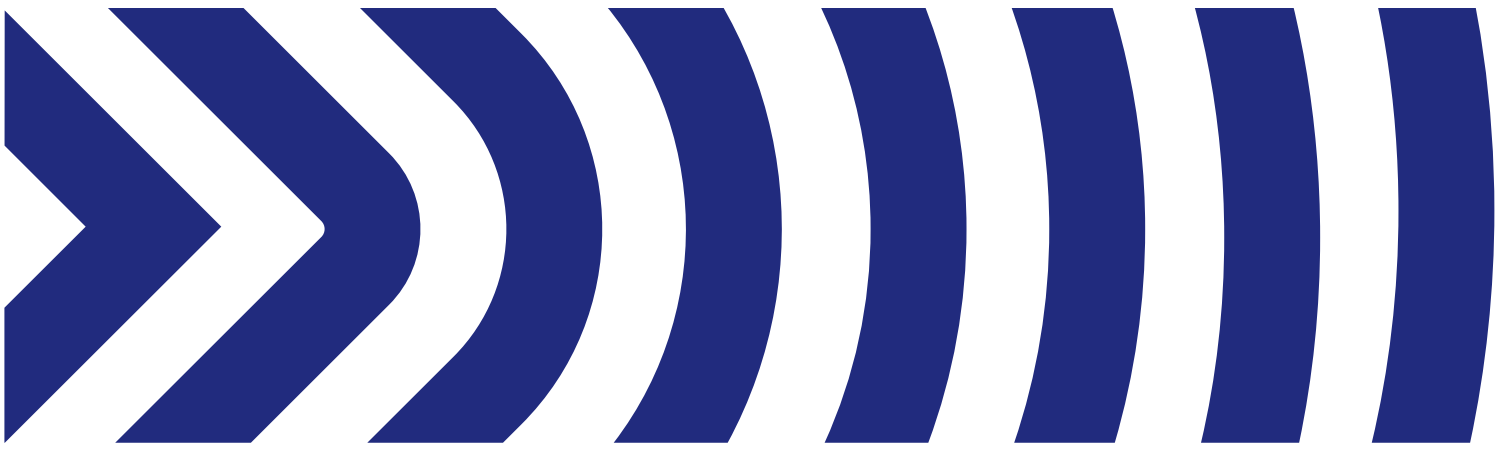
5 DUAL (610Ø) GALVANISED STEEL CHUTE LAYOUT SCALE 1:20



6 DUAL (610Ø) GALVANISED STEEL CHUTE LAYOUT with ENCLOSURE CUPBOARD (*) SCALE 1:20

NOTE: ENCLOSURES ARE RECOMMENDED IF THE CHUTE OPENS DIRECTLY TO A CORRIDOR OR IS NOT LOCATED IN A WASTE ROOM. IF CHUTE ACCESS IS WITHIN A WASTE ROOM THEN THE CUPBOARD ENCLOSURES ARE NOT REQUIRED.





Appendix C

Closed Loop Clo-100 Model

**ADVERTISED
PLAN**

ADVERTISED PLAN

CLO-10

20kg / day
input capacity

CLO-30

60kg / day
input capacity

CLO-50

100kg / day
input capacity

CLO-100

200kg / day
input capacity



Mixed food waste solutions for any size business.

Reduce food waste by up to 90% in 24 hours.



CLO-10

Touchscreen controls | Automatic operation

20 kg/day

Input capacity

Treatment time
24 hours

Waste reduction
80% - 90% average

Ideal for:



Restaurants



Offices



Apartments

Electricity usage/month: 500kWh (maximum)

Electricity requirements: AC 240V

Power rating: 50Hz, 2.1kW

Overall dry weight: 240kg

**ADVERTISED
PLAN**

Reduce your food waste today



Height:
1030mm

Width: 1160mm

Depth: 620mm



Fruit & Vegetables
(raw or cooked)
including citrus



Fish and Shellfish
(raw or cooked)



Poultry
(raw or cooked, with/
without bones)



Meat
(raw or cooked)



**Bread, Rice, Pastries,
Flour, Pasta**



Dairy Products
(milk, cream, etc.)



Eggs
(inc. shells)



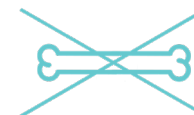
Soups & Gravies



No Cooking Oil



No Packaging



No Large Bones



No Oyster & Scallop Shells

CLO-30

Touchscreen controls | Automatic operation

60 kg/day

Input capacity

Treatment time
24 hours

Waste reduction
80% - 90% average

Ideal for:



Restaurants



Offices



Apartments



Schools

Electricity usage/month: 1100kWh (maximum)

Electricity requirements:

AC 3 phase, 20 amp, 5 pin dedicated outlet

Power rating: 415V, 50Hz, 4kW

Overall dry weight: 450kg

Reduce your food waste today



Height:
1250mm

Width: 1960mm

Depth: 870mm

ADVERTISED PLAN



Fruit & Vegetables
(raw or cooked)
including citrus



Fish and Shellfish
(raw or cooked)



Poultry
(raw or cooked, with/
without bones)



Meat
(raw or cooked)



**Bread, Rice, Pastries,
Flour, Pasta**



Dairy Products
(milk, cream, etc.)



Eggs
(inc. shells)



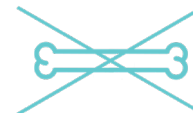
Soups & Gravies



No Cooking Oil



No Packaging



No Large Bones



No Oyster & Scallop Shells

CLO-50

Touchscreen controls | Automatic operation

100 kg/day

Input capacity

Treatment time
24 hours

Waste reduction
80% - 90% average

Ideal for:



Restaurants



Schools



Universities



Supermarkets



Hotels

Electricity usage/month:

1700kWh (maximum)

Electricity requirements:

AC 3 phase, 20 amp, 5 pin dedicated outlet

Power rating: 415V, 50Hz, 6kW

Overall dry weight: 660kg

Reduce your food waste today



Height:
1350mm

Width: 2155mm

Depth: 1060mm

ADVERTISED PLAN



Fruit & Vegetables
(raw or cooked)
including citrus



Fish and Shellfish
(raw or cooked)



Poultry
(raw or cooked, with/
without bones)



Meat
(raw or cooked)



**Bread, Rice, Pastries,
Flour, Pasta**



Dairy Products
(milk, cream, etc.)



Eggs
(inc. shells)



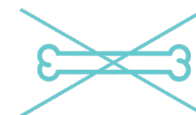
Soups & Gravies



No Cooking Oil



No Packaging



No Large Bones



No Oyster & Scallop Shells

ADVERTISED PLAN

CLO-100

Touchscreen controls | Automatic operation

200 kg/day

Input capacity

Treatment time
24 hours

Waste reduction
80% - 90% average

Ideal for:



Restaurants



Schools



Universities



Supermarkets



Shopping centres

Electricity usage/month:

3500kWh (maximum)

Electricity requirements:

AC 3 phase, 20 amp, 5 pin dedicated outlet

Power rating: 415V, 50Hz, 13kW

Overall dry weight: 1100kg

Reduce your food waste today

(Access steps not pictured)



Width: 3040mm

Depth: 1250mm

Height:
1580mm



Fruit & Vegetables
(raw or cooked)
including citrus



Fish and Shellfish
(raw or cooked)



Poultry
(raw or cooked, with/
without bones)



Meat
(raw or cooked)



**Bread, Rice, Pastries,
Flour, Pasta**



Dairy Products
(milk, cream, etc.)



Eggs
(inc. shells)



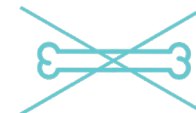
Soups & Gravies



No Cooking Oil



No Packaging



No Large Bones



No Oyster & Scallop Shells



Pioneering the circular economy.

Get in touch

closedloop.com.au

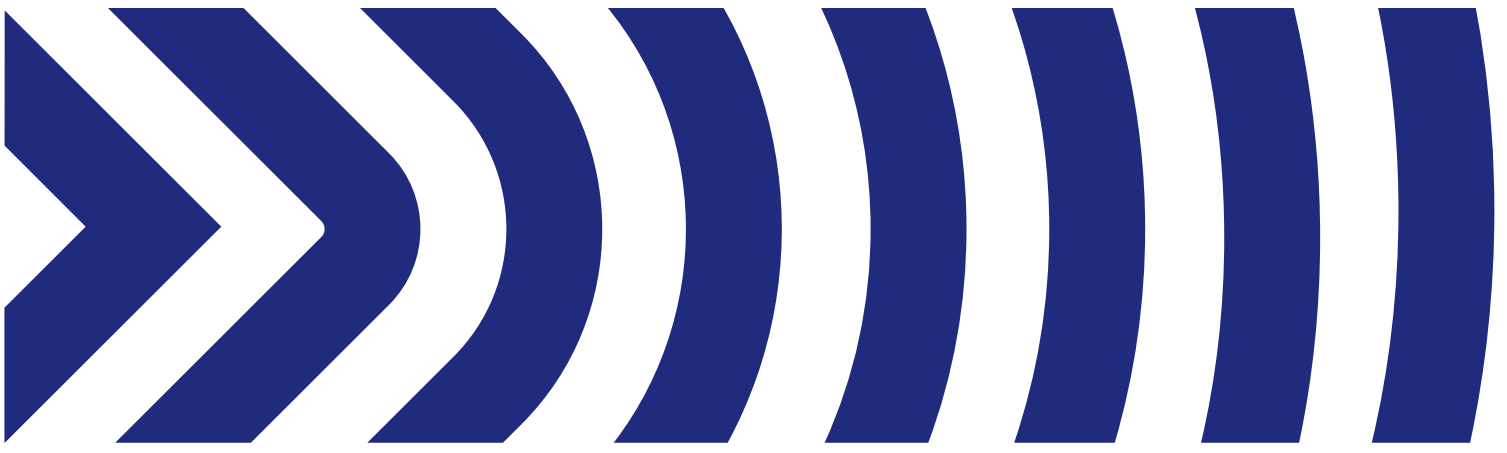
info@closedloop.com.au

1300 762 166

 [closedlooprecycling](https://www.facebook.com/closedlooprecycling)

 [closed_loop](https://www.instagram.com/closed_loop)

**ADVERTISED
PLAN**



Appendix D

**ADVERTISED
PLAN**

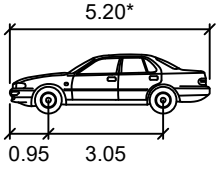
Swept Path Diagrams

VEHICLE PROFILE

6.4m WASTE VEHICLE PRIVATE COLLECTION

B99 TYPICAL RAMP CIRCULATION & PASSING

VEHICLE USED IN SIMULATION
(VEHICLE SPEED - 5KM/H)



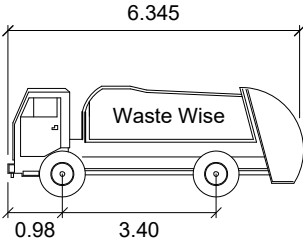
5.20*

0.95 3.05

99th percentile
(AS/NZS 2890.1:2004)

Width : 1.94
Track : 1.84
Kerb to Kerb Radius : 12.5m

* actual template based on 'relevant longitudinal dimensions that affect sweep path' as set out in Section B2.1 of AS/NZS 2890.1:2004



6.345

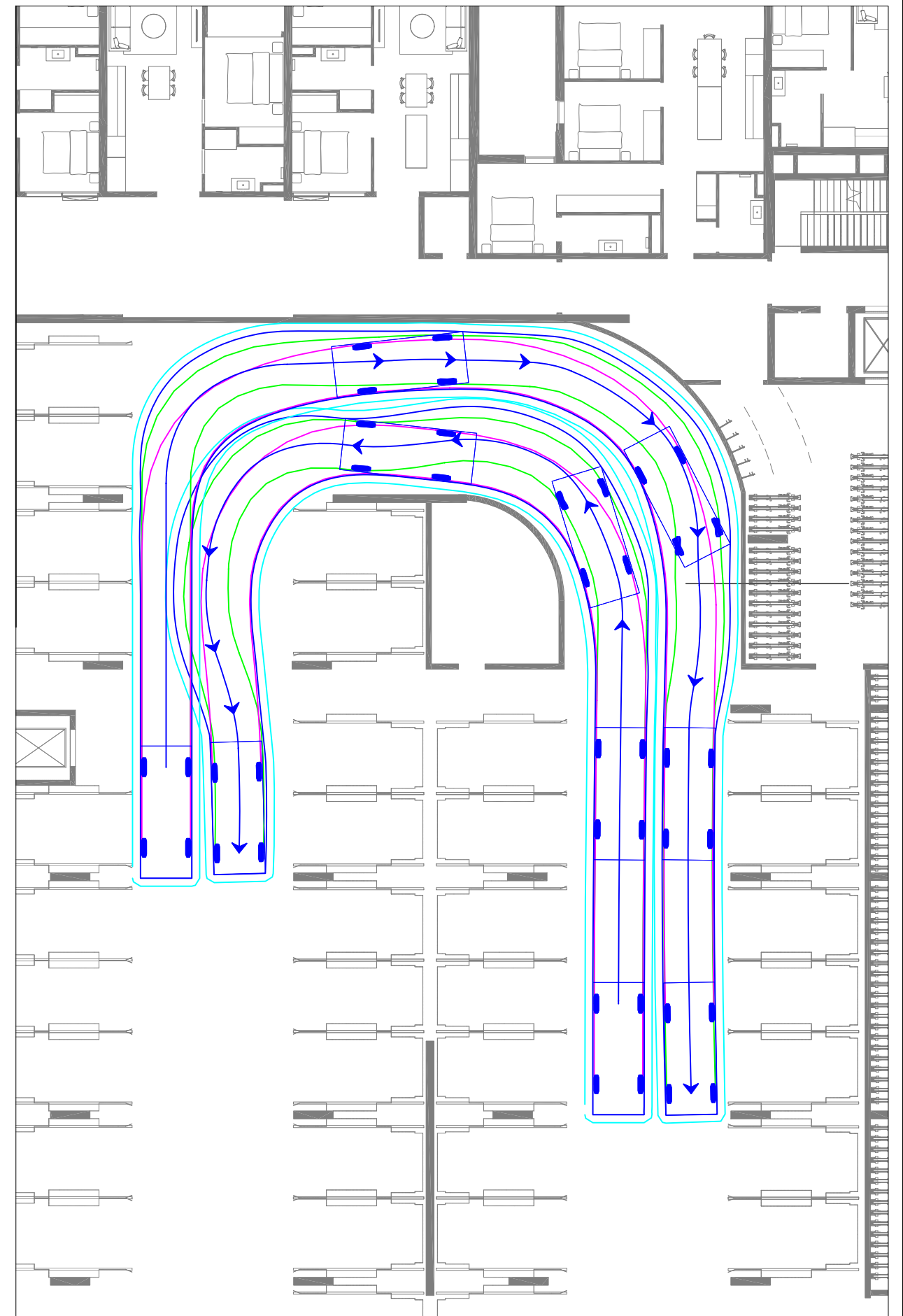
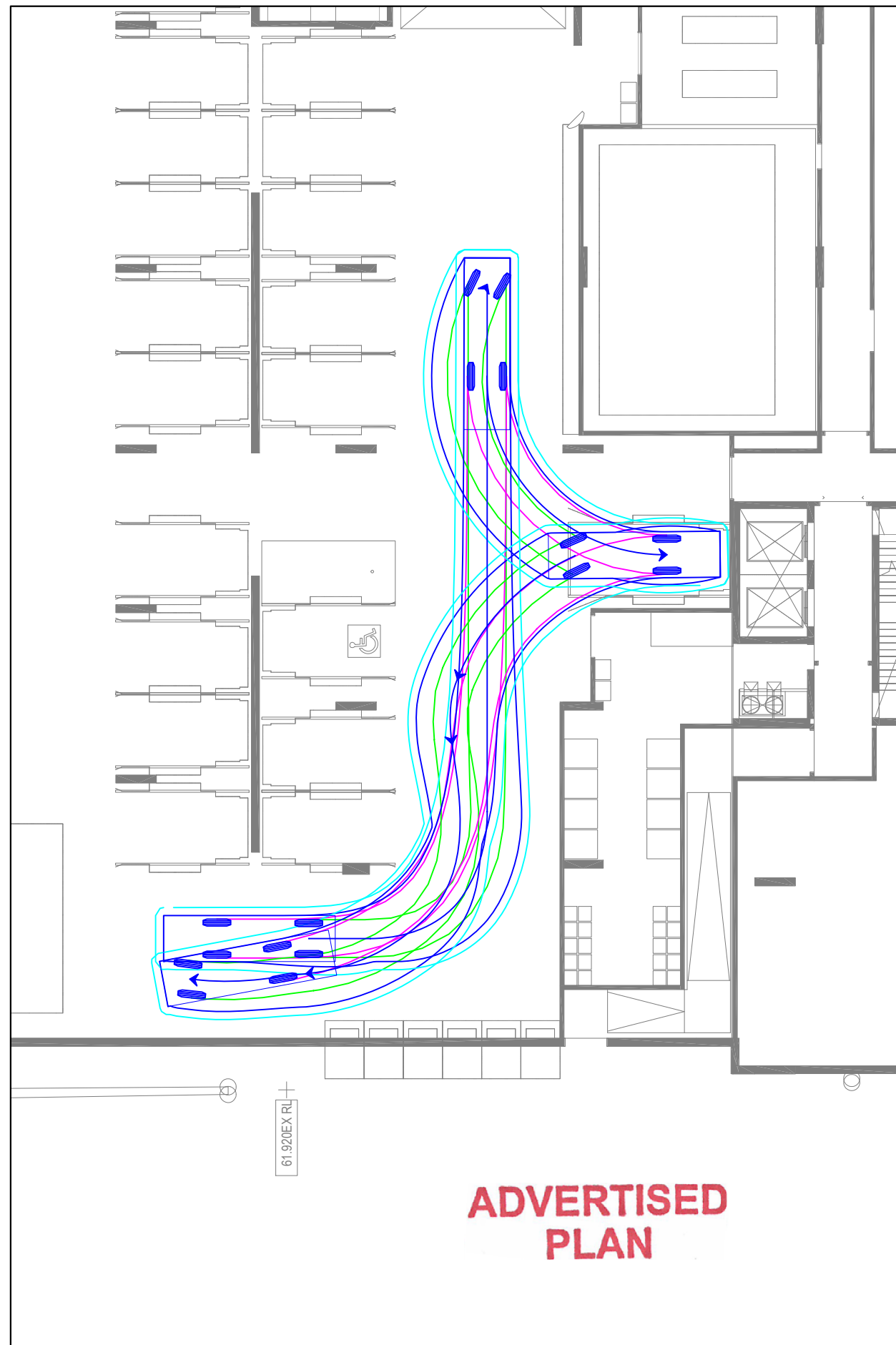
0.98 3.40

Waste Wise Mini (Hino 300)

Width : 1.7m
Front Track : 1.4m
Rear Track : 1.44m
Kerb to Kerb Radius : 12.4m

LEGEND

- REAR WHEELS
- FRONT WHEELS
- VEHICLE BODY
- BODY CLEARANCE



REV	DATE	NOTES	DESIGNED BY	CHECKED BY
A	21/12/2023	TOWN PLANNING	H. ROBERTSON	C. MORELLO (7781)
B	12/02/2024	DoTP DRAFT	H. ROBERTSON	C. ROCHE
C	16/02/2024	DoTP DRAFT	H. ROBERTSON	C. ROCHE
D	01/03/2024	DoTP DRAFT	H. ROBERTSON	C. ROCHE

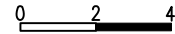
511-537 SYDNEY ROAD, COBURG
PROPOSED MIXED USE DEVELOPMENT

GENERAL NOTES:
BASE PLANS PREPARED BY JACKSON CLEMENTS BURROWS ARCHITECTS, RECEIVED FEBRUARY 2024.

FILE NAME: G32746-01-00
SHEET NO.: 02



SCALE: 1:200 (A3)



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