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JULY 2026

467-473 NEERIM ROAD MURRUMBEENA
WASTE MANAGEMENT PLAN

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PLAN**



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467-473 Neerim Road, Murrumbena

Waste Management Plan

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REV	DATE	DETAILS
A	26/07/2024	Waste Management Plan
B	31/07/2024	Waste Management Plan
C	04/09/2024	Waste Management Plan
D	26/09/2025	Draft Waste Management Plan
E	15/10/2025	Waste Management Plan
F	10/02/2026	Waste Management Plan
G	30/07/2026	Waste Management Plan (Response to Council RFIs)

	NAME	DATE	SIGNATURE
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1 SUMMARY

The below is a summary of the waste management strategy proposed for the subject site. The complete report must be read in detail prior to implementing the operational waste management plan.

Located at 467-473 Neerim Road, Murrumbena, the subject development proposes one mixed-use tower, providing a range of ground floor retail/commercial activity with residential apartments on the upper levels.

Waste will be collected through a private contractor service as follows:

Table 1 Residential Waste Collection Summary

Waste Stream	Equipment for Collection	Collection Frequency	Collection Operator
Garbage	4 x 1100L Bins	2 x per week	Private Contractor
Recycling	6 x 1100L Bins	2 x per week	Private Contractor
Food Organics	10 x 240L Bins	2 x per week	Private Contractor
Glass	4 x 240L Bins	2 x per week	Private Contractor

Table 2 Commercial Bin Collection Summary

Waste Stream	Equipment for Collection		Collection Frequency	Collection Operator
	Supermarket	Retail		
Garbage	3 x 1,100L bins	2 x 1,100L bins	3 x per week	Private Contractor
Recycling	-	2 x 1,100L bins	2 x per week	Private Contractor
Cardboard	3 x bales	-	3 x per week	Private Contractor
Food Organics	1 x 660L bins	2 x 240L bins	3 x per week	Private Contractor
Glass	-	1 x 240L bins	2 x per week	Private Contractor

Residential waste collections will be undertaken onsite from the basement via a low-profile waste collection vehicle (6.4 metre length, 2.1 metre height clear required) or smaller. Collection vehicles will enter and exit the basement in a forward direction via the vehicle access ramp from Neerim Road. The collection vehicle will circulate through the basement carpark and prop itself adjacent to the residential waste rooms, with vehicle operators collecting bins directly from the waste rooms and return them immediately upon emptying.

Commercial waste collections will be undertaken onsite from the ground level loading dock via an MRV sized waste collection vehicle (8.8 metre length, 4.0 metre height clear required) or smaller. Collection vehicles will enter and exit the loading dock in a forward direction via the Neerim Road crossover. The collection vehicle will prop within the loading dock adjacent to the commercial waste rooms, with vehicle operators collecting bins directly from the waste rooms and return them immediately upon emptying.

Bins will not be stored outside of the title boundary or presented to kerb for collection at any time.

2 INTRODUCTION

The following Waste Management Plan (WMP) has been prepared for the proposed mixed-use development at 467-473 Neerim Road, Murrumbena.

This Waste Management Plan (WMP) and the waste generation rates therein have been prepared based on the Sustainability Victoria document *Waste Management and Recycling in Multi-unit Developments* (2019) and current best practice waste management methodology and technologies commonly available in Australia.

2.1 LAND USE

Client:	HHP MAKE NRM 1 PTY LTD
Town Planning Application:	PA2403365
Land Use Type:	Mixed use
Number of Levels:	8 storeys
Number of Basements:	2 basements

Table 3 Development Summary

Residential	
Use	Quantity
Studio Apartment	29
One Bedroom apartment	88
Two Bedroom apartment	27
Commercial	
Use	Area
Retail 1 (Supermarket)	806m ²
Retail 2 (F&B)	85m ²
Retail 3 (F&B)	84m ²
Retail 4 (F&B)	104m ²
Retail 5	66m ²
Retail 6	83m ²

3 RESPONSE TO PERMIT CONDITIONS

A planning permit for the subject site has been issued (PA2403365), of which Condition 19 (replicated in full below) addresses the Waste Management Plan. This Waste Management Plan satisfies these conditions with responses as per Table 4 below:

Table 4 Response to Permit Conditions

PA2403365 Condition	WMP Response
19. Waste Management Plan	
<i>Concurrent with endorsement of plans, a waste management plan must be approved and endorsed by the responsible authority, in consultation with Glen Eira City Council. The waste management plan must be prepared to the satisfaction of the responsible authority, be generally in accordance with the waste management plan prepared by WSP, dated September 2024, but modified to show:</i>	This Waste Management Plan is consistent with the previous September 2024 issue, with no fundamental change in waste handling, storage, or collection arrangement.
<i>a) Any changes required to ensure consistency with the approved and endorsed plans</i>	The WMP has been revised in accordance with the updated drawings and permit conditions as shown in this report. Updated drawings are provided in Appendix A.
<i>b) The following changes to the residential component:</i>	
<i>i. The residential bin capacity to match the estimated weekly volume for the organics stream.</i>	Organic waste capacity and volume has been revised (see Section 5.3).
<i>ii. The collection frequency from 3 x week to a maximum of 2 x week in line with Glen Eira City Council policy and adjust bin numbers where necessary.</i>	Residential waste collection frequency has been revised to 2x per week (see Section 5.5).
<i>c) The following changes to the commercial component:</i>	
<i>i. Provision of further supporting information to demonstrate the proposed waste generation rate for the supermarket is adequate with regard to the Sustainability Victoria rate.</i>	The supermarket waste generation rates, as shown, have been benchmarked against the waste volumes reported within the Woolworths document <i>2022 Sustainability Report (2022)</i> . An extract from this document (with annotations) is provided in Appendix C for reference.
<i>ii. Details of a waste transfer pathway between relevant tenancies and the bin store.</i>	Waste transfer pathways are shown in Appendix A.
<i>iii. The bin lid colour for organics corrected to light green.</i>	Organic bin lid colour has been revised (See section 7.2).
<i>The responsible authority may consent in writing to vary these requirements</i>	

4 RESPONSE TO COUNCIL RFIS

A Waste Management Plan for the subject site has been submitted to Glen Eira City Council (*PS125551-20260210-LG-WMP-002 RevF*, dated 10 February 2026), to which Council have raised a number of RFI comments.

This Waste Management Plan addresses these comments with responses as per Table 5 below.

Table 5 Response to Council RFIs

Glen Eira City Council Comments	WSP Response
Condition 19 – Waste Management Plan	
<i>Council’s Waste Officer has reviewed the Waste Management Plan submitted for endorsement and has provided the following comments:</i>	Amendments have been made to WMP per the below:
Amend the WMP to include scaled drawings demonstrating two bins under dual chute system in both waste rooms.	Scaled drawings demonstrating two bins under dual chute system are provided in Appendix A.
Regarding the waste generation rates:.	
The supporting documentation relating to the Supermarket waste is providing weight figures, which are irrelevant for a waste management system that are designed based on Volumetric assessments. Its only contribution is in demonstrating that cardboard is the most produced waste stream and that general waste makes up around 18% of the total weights. However, weights are not equivalent to volume, and this data cannot be extrapolated to reflect volumes.	Appendix C has been revised to include further clarification of the adopted supermarket waste generation rates, including the relationship between the reported tonnage volumes (expressed as total tonnes/year by Woolworths) and the waste generation rates adopted by WSP (expressed as L/100m ² /week).
The commercial food business waste generation rates are well below the proposed guideline rates.	Waste generation rates represent those of a ‘Café’ from the Sustainability Victoria (SV) document <i>Waste Management and Recycling in Multi-unit Developments</i> (2019). As per direction from the project team, the F&B spaces at ground level are expected to operate in a manner akin to a café. These generation rates have been adapted by WSP to include the further separation of food organics and glass. Collective waste generation rates per week, per 100m² between SV (2,100L garbage + 1,400L recycling = 3,500L total) and this WMP (1,680L garbage + 1,250 recycling + 420L food organics + 150L glass = 3,500L total).

5 RESIDENTIAL WASTE MANAGEMENT PLAN

5.1 WASTE GENERATION

Residential waste generation rates are shown in Table 6. A waste generation assessment prepared in accordance with these rates is shown in Table 7.

Table 6 Residential Waste Generation Rates

Use	Garbage (L/dwelling/week)	Recycling (L/dwelling/week)	Food Organics (L/dwelling/week)	Glass (L/dwelling/week)
Studio Apartment	52	70	28	10
One Bedroom Apartment	52	70	28	10
Two Bedroom Apartment	65	88	35	12

Table 7 Residential Waste Generation Assessment

Use	Quantity	Garbage (L/week)	Recycling (L/week)	Organics (L/week)	Glass (L/week)
Studio Apartment	29	1,508	2,030	812	290
One Bedroom Apartment	88	4,576	6,160	2,464	880
Two Bedroom Apartment	27	1,755	2,376	945	324
TOTAL		7,839	10,566	4,221	1,494

5.2 WASTE SYSTEMS

Waste shall be sorted on-site by residents as appropriate into the following streams:

- Garbage (General Waste)
- Commingled Recycling
- Food Organics
- Glass
- Hard Waste / Electronic Waste
- Charity

Two separate residential bin rooms will be provided at basement level (“east” and “west”) to manage waste of the two separate dual chute systems (refer Section 5.2.1 below), in addition to a residential hard waste store at ground level (total 2 x residential waste rooms total).

5.2.1 DUAL CHUTE SYSTEM

Residents will generally dispose of waste using the provided dual chute systems as appropriate, with **two** dual chute systems provided per residential level for ease of access. Each dual chute system will contain one chute dedicated to garbage and another dedicated to commingled recycling.

Each waste chute will terminate into 1100L bins within the residential waste stores at basement level. Building management will rotate bins beneath the chutes on an as required basis (anticipated once per day per chute, on average).

The point of chute termination within each waste room will be suitably screened to provide safe environment for residents / facilities management as appropriate.

5.2.2 GARBAGE, COMMINGLED RECYCLING

Each dwelling shall have provision for plastic bins for the temporary holding of garbage and commingled recyclables. Residents will transfer the waste from these bins as required to the appropriate waste chute, as shown in Appendix A.

Garbage is to be disposed of bagged. Commingled Recycling is to be disposed of loosely.

5.2.3 FOOD ORGANICS, GLASS

Food organics and glass drop off bins will be provided within each residential waste room at basement level. Residents will access these rooms (and the bins therein) via the lifts (refer Appendix A).

To assist in the transfer of organic waste, each dwelling shall have provision for “kitchen caddies” for the temporary holding of organics (food waste). Residents will be able to transfer organic waste from their respective kitchen caddies to the 240L drop off bins at basement level as required. Kitchen caddies may be lined with biodegradable bags (i.e. corn-starch bags) or paper (i.e. newspaper) if desired.

Food organics and glass are to be disposed of loosely.

5.2.4 HARD WASTE

A 10.00m² hard waste area will be provided at ground level. Hard waste will be transferred between the residential levels and waste room via the residential lift(s) as shown in Appendix A. Building management will assist with and supervise the transfer of residential hard waste as appropriate.

Of the area provided, approximately half will be dedicated to the disposal of e-waste. It is recommended a 120L e-waste bin be incorporated into this area for the disposal of smaller e-waste goods (such as phones and computer keyboards), with larger goods (such as televisions and computer monitors) being disposed of across the remaining floor space.

Hard waste and e-waste will be collected as separate streams by a private collection contractor on an “as required” basis.

5.2.5 CHARITY

A 660L charity bin for the disposal of high-quality charitable goods such as clothing or sporting goods is to be provided within the hard waste room at ground level.

The Building Manager is to select a charity who is to provide the bins and perform collections on an as required basis.

5.3 BIN QUANTITY, SIZE AND COLLECTION FREQUENCY

Table 8 contains information regarding residential bin quantity, size and frequency of collection.

Table 8 Residential Bin Information and Capacity

Residential Bin Information and Capacity				
Waste Stream	No. Bins	Collections Per Week	Weekly Capacity	Weekly Volume
Garbage	4x 1100L	2	8,800L	7,839L
Recycling	6x 1100L	2	13,200L	10,566L
Organics	10x 240L	2	4,800L	4,221L
Glass	4x 240L	2	1,920L	1,494L

Typical equipment dimensions are provided in Table 9 below. Note that the specifications listed are for reference only and must be confirmed with the nominated supplier prior to any works commencing.

Table 9 Typical Equipment Dimensions

Typical Equipment Dimensions (mm)			
Item	Width	Depth	Height
1100L Bin	1240	1070	1330
240L Bin	585	730	1060

5.4 WASTE STORAGE AREA & LOCATION

Table 10 demonstrates the cumulative area requirements (excluding circulation) and provision of waste areas. Please refer to scaled waste room drawing shown in Appendix A.

Table 10 Residential Waste Storage Area Requirement

Waste Store	Item	Area Required	Total Area Required	Area Provided
Residential Waste Room East (Basement)	5 x 1100L Bins (Garbage, Recycling)	6.65m ²	9.66m ²	27.00m ²
	7 x 240L Bins (Food Organics, Glass)	3.01m ²		
Residential Waste Room West (Basement)	5 x 1100L Bins (Garbage, Recycling)	6.65m ²	9.66m ²	30.00m ²
	7 x 240L Bins (Food Organics, Glass)	3.01m ²		
Residential Hard Waste Room (Ground)	Hard Waste + Charity Bin	10.00m ²	10.00m ²	16.00m ²
TOTAL		29.32m ²	29.32m ²	73.00m ²

5.5 WASTE COLLECTION METHODOLOGY

Residential waste will be collected by as outlined in Table 11. A private collection contractor will be engaged to perform collections until such time as the City of Glen Eira collection service is able to perform collections in accordance with this Waste Management Plan.

Table 11 Residential Waste Collection Summary

Waste Stream	No. Bins	Collection Frequency	Collection Operator
Garbage	4 x 1100L Bins	2 x per week	Private Contractor
Recycling	6 x 1100L Bins	2 x per week	Private Contractor
Food Organics	10 x 240L Bins	2 x per week	Private Contractor
Glass	4 x 240L Bins	2 x per week	Private Contractor

Collections will be undertaken onsite from the basement via a low-profile waste collection vehicle (6.4 metre length, 2.1 metre height clear required) or smaller. Collection vehicles will enter and exit the basement in a forward direction via the vehicle access ramp from Neerim Road (refer Appendix B for swept path diagrams).

For ease of collection, a temporary waste holding point is provided adjacent to the storage cages at basement level in which bins from residential waste room west will be held prior to collection (refer Appendix A). Facilities management will be responsible for transferring bins to the temporary holding point prior to collection, and for returning them to residential waste room west following collections.

The collection vehicle will circulate through the basement carpark and prop itself adjacent to the residential waste pick up points (bins collected directly from residential waste room east **or** the temporary waste hold), with vehicle operators collecting bins directly from the waste pick up points and return them immediately upon emptying (see Appendix A). Bins will not be stored outside of the title boundary or presented to kerb for collection at any time.

Building management will ensure sufficient access is provided for collection vehicle operators during collection times. Typically, operators are provided with keypad/swipe card access to the service doors.

6 COMMERCIAL WASTE MANAGEMENT PLAN

6.1 WASTE GENERATION

Commercial waste generation rates per week are shown in Table 12. A waste generation assessment prepared in accordance with these rates is shown in Table 13. Calculations are based on a 5 day per week operation for the retail spaces and 7 day per week operation for all uses.

Waste generation rates have been adopted from the Sustainability Victoria (SV) document *Waste Management and Recycling in Multi-unit Developments* (2019) or from case study data held by WSP as noted below.

Note that the supermarket waste generation rates as shown have been benchmarked against the waste volumes reported within the Woolworths document *2022 Sustainability Report* (2022). An extract from this document (with annotations) is provided in Appendix C for reference.

Table 12 Commercial Waste Generation Rates

Use	Generation Rate	Waste Generation Rate (L/100m ² /week)				
		Garbage	Recycling	Cardboard	Organics	Glass
Retail 1	Supermarket (WSP)	960	-	2,530	175	-
Retail 2, 3, 4	Retail - food (SV)	1,680	1,250	-	420	150
Retail 5, 6	Retail - non food (SV)	350	350	-	-	-

Table 13 Commercial Waste Generation Assessment

Use	Area	Waste Generation Assessment (L/week)				
		Garbage	Recycling	Cardboard	Organics	Glass
Retail 1	806m ²	7,738	-	20,392	1,411	-
SUBTOTAL - SUPERMARKET		7,738	-	20,392	1,411	-
Retail 2, 3, 4	273m ²	4,586	3,413	-	1,147	410
Retail 5, 6	149m ²	522	522	-	-	-
SUBTOTAL - RETAIL		5,108	3,935	-	1,147	410
GRAND TOTAL		12,846	3,935	20,392	2,558	410

6.2 WASTE SYSTEMS

Waste shall be sorted on-site by commercial staff/cleaners as appropriate into the following streams:

- Garbage (General Waste)
- Commingled Recycling
- Cardboard
- Food Organics
- Glass
- Hard Waste

Separate supermarket and retail waste rooms (total 2 x commercial waste rooms) will be provided adjacent to the ground level loading dock for commercial disposal.

Commercial waste room access will be limited to nominated commercial staff only.

6.2.1 GARBAGE AND COMMINGLED RECYCLING

Each commercial space of the development shall have provision for plastic lined garbage and commingled recycling bins for the temporary holding of waste, to have minimum cumulative holding capacities as shown in Table 14.

The “Transfer Rate” refers to the frequency at which waste should be transferred by cleaners/staff from the temporary holding bins to the commercial waste room at basement level for disposal per day.

Table 14 Waste Fitout Requirements

Use	Transfer Rate	Temporary Holding Capacities	
		Garbage	Recycling
Supermarket	Once per day	140L/100m ²	-
Retail 2 to 4 F&B	Three times per day	100L/100m ²	80L/100m ²
Retail 5 & 6 no food	Once per day	50 L/100m ²	50L/100m ²

Staff/cleaners will manually empty waste from the temporary holding bins directly into the 1100L drop off bins provided within the commercial waste stores at ground level (refer Appendix A).

Garbage is to be disposed of bagged. Commingled recyclables are to be disposed of loosely, with any plastic liners to be disposed of within the garbage bins.

6.2.2 CARDBOARD

A baler will be provided within the supermarket waste room waste adjacent to the ground level loading dock (refer Appendix A). Baler use will be limited to trained staff only.

Cardboard is to be disposed of loosely within the baler.

6.2.3 FOOD ORGANICS, GLASS

Food and beverage spaces of the site shall be further furnished with small organics and/or glass bins for the temporary holding of waste as appropriate, often provided as plastic tubs for ease of handling (up to 20L in size) and stored within the kitchen / back of house areas. Tubs can be stacked and transferred via trolleys if desired.

Staff/cleaners will manually empty organic waste from the temporary holding bins directly into the 240L (retail) or 600L (supermarket) drop off bins provided within the commercial waste stores at ground level (refer Appendix A).

Organic waste and glass waste are to be disposed of loosely.

6.2.4 HARD WASTE

Any hard waste and/or electronic waste generated by the commercial spaces will be temporarily held within the back of house areas of each tenancy and transferred to the loading dock at ground level for collection as required.

Commercial hard waste will be collected by a private collection contractor on an as required basis.

6.3 BIN QUANTITY, SIZE AND COLLECTION FREQUENCY

Table 15 and Table 16 contain information regarding bin quantity, size and frequency of collection.

As per industry standard, a 5:1 compaction ratio has been assumed for the cardboard baler. Greater compaction ratio can be achieved under certain conditions.

Table 15 Supermarket Waste Equipment Information and Capacity

Supermarket Waste Information and Capacity					
Waste Stream	Equipment	Compaction	Collections Per Week	Weekly Capacity	Weekly Volume
Garbage	3 x 1,100L bins	nil	3	9,900L	7,738L
Cardboard	3 x Bales*	5:1	3	25,200L	20,392L
Food Organics	1 x 660L bin	nil	3	1,980L	1,411L

* Bramidan B5W baler used as reference model. Actual baler model may vary in actual practice.

Table 16 Retail Bin Information and Capacity

Retail Waste Information and Capacity					
Waste Stream	Equipment	Compaction	Collections Per Week	Weekly Capacity	Weekly Volume
Garbage	2 x 1,100L bins	nil	3	6,600L	5,108L
Recycling	2 x 1,100L bins	nil	2	4,400L	3,935L
Food Organics	2 x 240L bins	nil	3	1,440L	1,147L
Glass	1 x 240L bin	nil	2	480L	410L

Typical equipment dimensions are provided in Table 17 below. Note that the specifications listed are for reference only and must be confirmed with the nominated supplier prior to any works commencing.

Table 17 Typical Equipment Dimensions

Typical Equipment Dimensions (mm)			
Item	Width	Depth	Height
1100L Bin	1240	1070	1330
660L Bin	1260	780	1330
240L Bin	585	730	1060
B5W Baler	1355	895	2370
B5W Bale	700	800	1000

6.4 WASTE STORAGE AREA & LOCATION

Table 18 demonstrates the cumulative area requirements (excluding circulation) and provision of waste areas. Please refer to scaled waste room drawing shown in Appendix A.

Table 18 Commercial Waste Storage Area Requirement

Waste Store	Item	Area Required	Total Area Required	Area Provided
Supermarket Waste Room (Ground)	3 x 1,100L Bins (Garbage)	3.99m ²	8.28m ²	20.00m ²
	1 x 660L Bin (Food Organics)	0.98m ²		
	1 x Baler + 3 x Bales (Cardboard)	3.31m ²		
Retail Waste Room (Ground)	4 x 1,100L Bins (Garbage, Recycling)	5.32m ²	6.61m ²	17.00m ²
	3 x 240L Bins (Food Organics, Glass)	1.29 m ²		
TOTAL		14.89m²	14.89m²	37.00m²

6.5 WASTE COLLECTION METHODOLOGY

Commercial bins will be collected by a private contractor as outlined in Table 19.

Table 19 Commercial Bin Collection Summary

Waste Stream	Equipment for Collection		Collection Frequency	Collection Operator
	Supermarket	Retail		
Garbage	3 x 1,100L bins	2 x 1,100L bins	3 x per week	Private Contractor
Recycling	-	2 x 1,100L bins	2 x per week	Private Contractor
Cardboard	3 x bales	-	3 x per week	Private Contractor
Food Organics	1 x 660L bin	2 x 240L bins	3 x per week	Private Contractor
Glass	-	1 x 240L bin	2 x per week	Private Contractor

Collections will be undertaken onsite from the ground level loading dock via an MRV sized waste collection vehicle (8.8 metre length, 4.0 metre height clear required) or smaller. Collection vehicles will enter and exit the loading dock in a forward direction via the Neerim Road crossover (refer Appendix A for swept path diagrams).

The collection vehicle will prop within the loading dock adjacent to the commercial waste rooms, with vehicle operators collecting bins directly from the waste rooms and return them immediately upon emptying (see Appendix A). Bins will not be stored outside of the title boundary or presented to kerb for collection at any time.

Building management will ensure sufficient access is provided for collection vehicle operators during collection times. Typically, operators are provided with keypad/swipe card access to the service doors.

7 ADDITIONAL INFORMATION

7.1 STANDARDS & COMPLIANCE

7.1.1 VENTILATION

Ventilation will be provided in accordance with Australian Standard AS1668.

7.1.2 WASHING AND VERMIN PROTECTION

A third party bin washing service is to be engaged to perform this service. Bin washing suppliers must retain all waste water to within their washing apparatus and not impact on the drainage provisions of the site.

7.1.3 NOISE REDUCTION

All waste areas shall meet BCA and AS2107 acoustic requirements as appropriate with operational hours and collection times assigned to minimise acoustic impact on surrounding premises.

7.2 BIN COLOUR AND SUPPLIER

All bins will be provided by private supplier. The below bin colours are specified by Australian Standard AS4123.7 2006, however these are only recommendations and are not mandatory:

- Garbage (general waste) bins shall have red lids with dark green or black body.
- Recycle bins shall have yellow lids with dark green or black body.
- Food organics bins shall have light green lids with dark green or black body.
- Glass bins shall have yellow lids with nature green body.
- E-waste bins shall have white lids with dark green or black body

Charity waste bins are not specified within AS4123.7, however they typically have a white lid with a white body.

Private collection contractors often provide their own bins for collection.

7.3 SIGNAGE

Waste storage areas, bins and chutes will be clearly marked and signed with the industry standard signage approved by Sustainability Victoria (such as that illustrated in Figure 1 below) or equivalent.

Users (residents, commercial staff, cleaners) will be instructed by building management to adhere to these requirements.

Figure 1 Sustainability Victoria Waste Signage



7.4 HIGH LEVEL PURCHASING SCHEDULE

Table 20 lists the waste equipment required for the residential component of the development under the conditions proposed within this report. A complimentary list of suppliers is provided for convenience.

Table 20 Equipment Supply Schedule

Item	Supplier	Typical Services Requirement(s)**	Quantity / Notes
1100L Bin	Private Supplier* (SULO or equivalent)	nil	<u>Residential Bins:</u> 4 No. Garbage 6 No. Recycling <u>Supermarket Bins:</u> 3 No. Garbage <u>Retail Bins:</u> 2 No. Garbage 2 No. Recycling
660L Bin	Private Supplier* (SULO or equivalent)	nil	<u>Supermarket Bins:</u> 1 No. Food Organics
240L Bin	Private Supplier* (SULO or equivalent)	nil	<u>Residential Bins:</u> 10 No. Food Organics 4 No. Glass <u>Retail Bins</u> 2 No. Food Organics 1 No. Glass
Dual Waste Chutes	Private Supplier (Wastech or equivalent)	Power (per unit): 2 x 240V 10A Power (at roof for ventilation fan)	2 No. Dual Chute Systems (4 chutes total)
Baler	Private Supplier (Wastech or equivalent)	Power (per unit): 240V 10A Power	B5W Bramidan or equivalent
*Private waste collection contractors often supply their own bins for collection. **Services requirements are indicative only and must be confirmed with the manufacture prior to commencement of construction			

7.5 SUPPLIER CONTACT INFORMATION

A complimentary listing of contractors and equipment suppliers is provided in Table 21 below for your reference. You are not obligated to procure goods/services from these companies. This is not, nor is it intended to be, a complete list of available suppliers. WSP does not warrant (or make representations for) the goods/services provided by these suppliers.

Table 21 Supplier Contact List

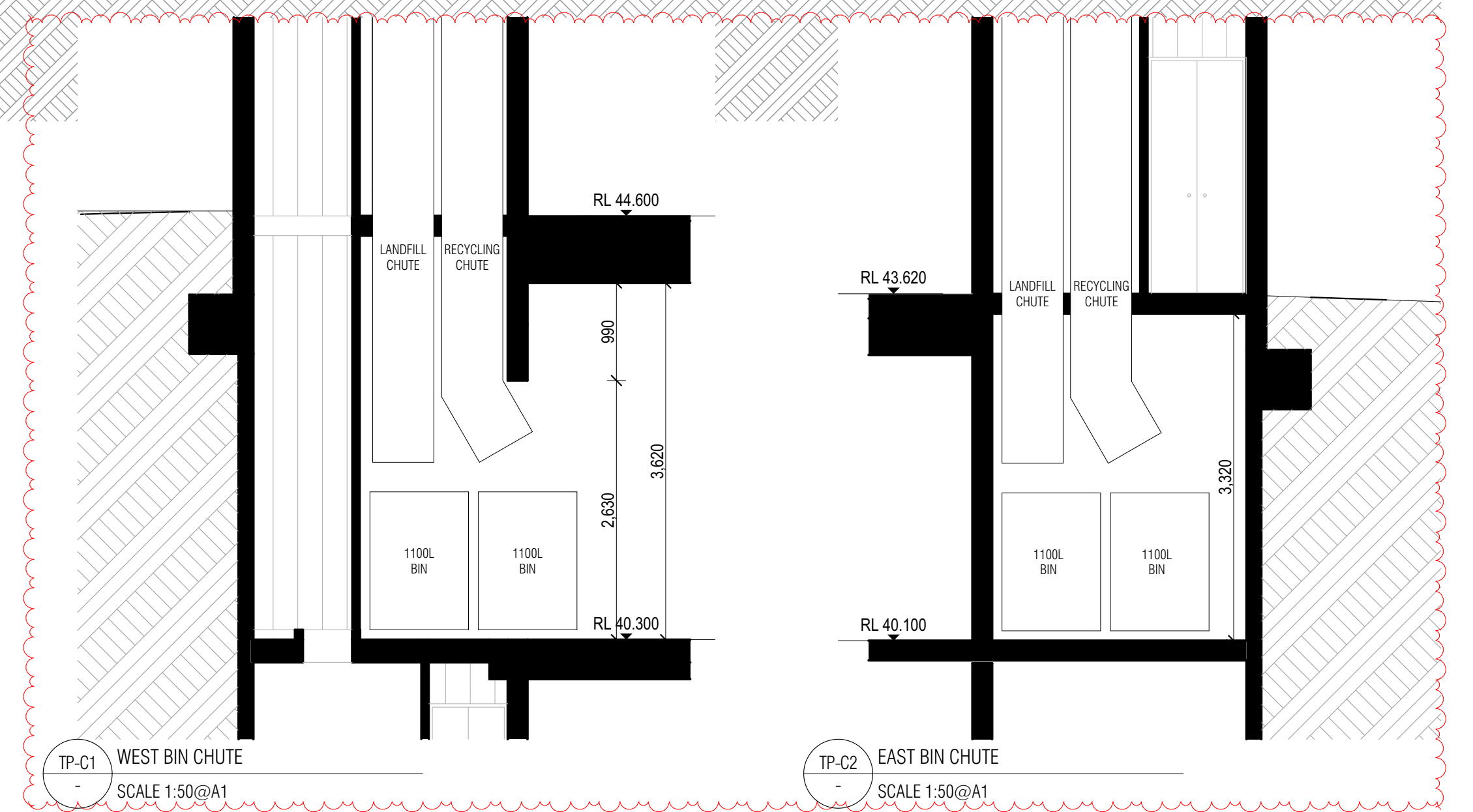
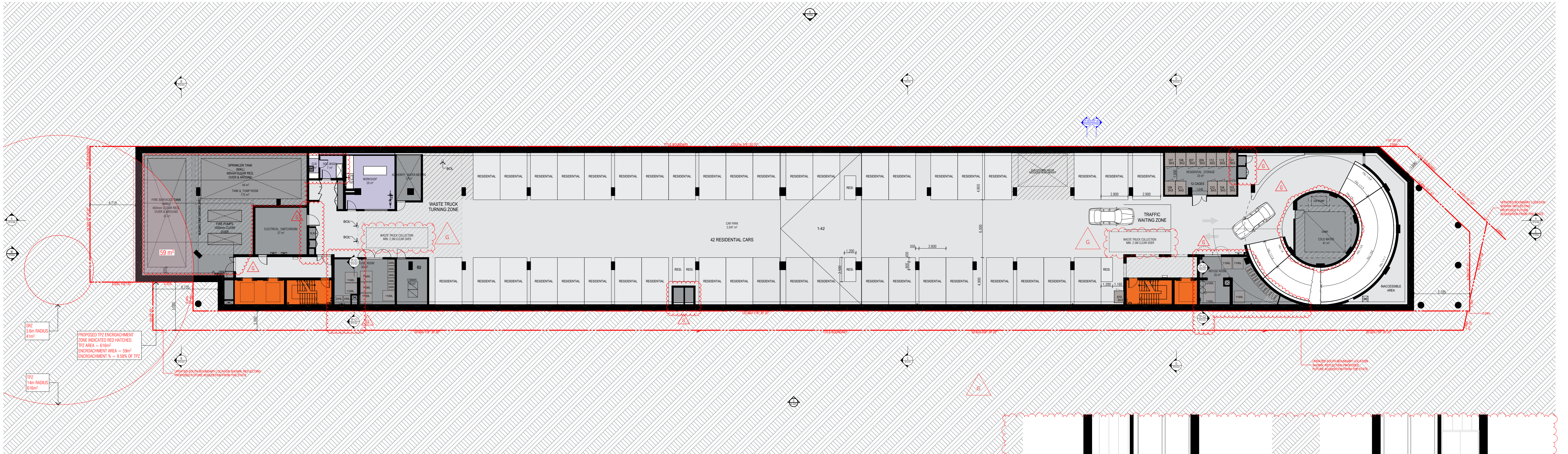
Service Type	Contractor / Supplier Name	Phone	Website
Private Waste Collectors	Citywide Service Solutions	(03) 9261 5000	www.citywide.com.au
	SUEZ Environment	13 13 35	www.sita.com.au
	Cleanaway	13 13 39	www.cleanaway.com.au
	Veolia	132 955	www.veolia.com
Equipment Suppliers	Wastech Engineering (Chutes, Balers)	(03) 8787 1600	www.wastech.com.au
	ASI JD MacDonald (Chutes, Balers)	(03) 8558 7200	www.jdmacdonald.com.au
	Sulo Australia (Bins)	1300 364 388	www.sulo.com.au
Bin Washing Services	The Bin Butlers	1300 788 123	www.thebinbutlers.com.au
	Kerbside Clean-A-Bin	(03) 9830 7381	www.kerbsidecleanabin-srp.com.au
	Calcorp Services	1800 225 267	www.calcorpservices.com.au
	WBCM Environmental Australia	1300 800 621	www.wbcm-aust.com.au
E-waste Collection Services	TechCollect	1300 229 837	www.techcollect.com.au
	Mobile Muster (Mobile Phones)	1800 249 113	www.mobilemuster.com.au
	ToxFree (Secure E-waste Destruction)	1300 869 373	www.toxfree.com.au

APPENDIX A

SCALED WASTE ROOM DRAWINGS



DEVELOPMENT TO BE IN ACCORDANCE WITH ENDORSED SUSTAINABILITY MANAGEMENT PLAN, FACADE STRATEGY, LANDSCAPE PLAN, CAR PARKING AND TRAFFIC MANAGEMENT PLAN, WASTE MANAGEMENT PLAN AND ACOUSTIC REPORT.
REFER TO ACOUSTIC REPORT FOR NOISE ATTENUATION MEASURES



SIGNIFICANT TREE

 TREE PROTECTION ZONE
ENCROACHMENT ($\leq 10\%$)

REVISION	DATE	REVISION	DATE
A	Town Planning Submission		1/12/2023
B	CTPP Planning Submission		19/07/2024
C	Arcade Gate Update		27/08/2024
D	Response to CTPP Ref		27/08/2024
E	CTPP Planning Amendment		27/02/2026
F	Response to CTPP Ref		23/04/2026
G	Town Planning Update		28/07/2026

[illegible]

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Project Number
230022

Client
MAKE®

Project Name
467-473 Neerim Rd Murrumbena

Site Address
467-473 NEERIM ROAD MURRUMBENA VIC 3163 AUSTRALIA

Drawing Name
BASEMENT 01 FLOOR PLAN

Date
29/07/2026

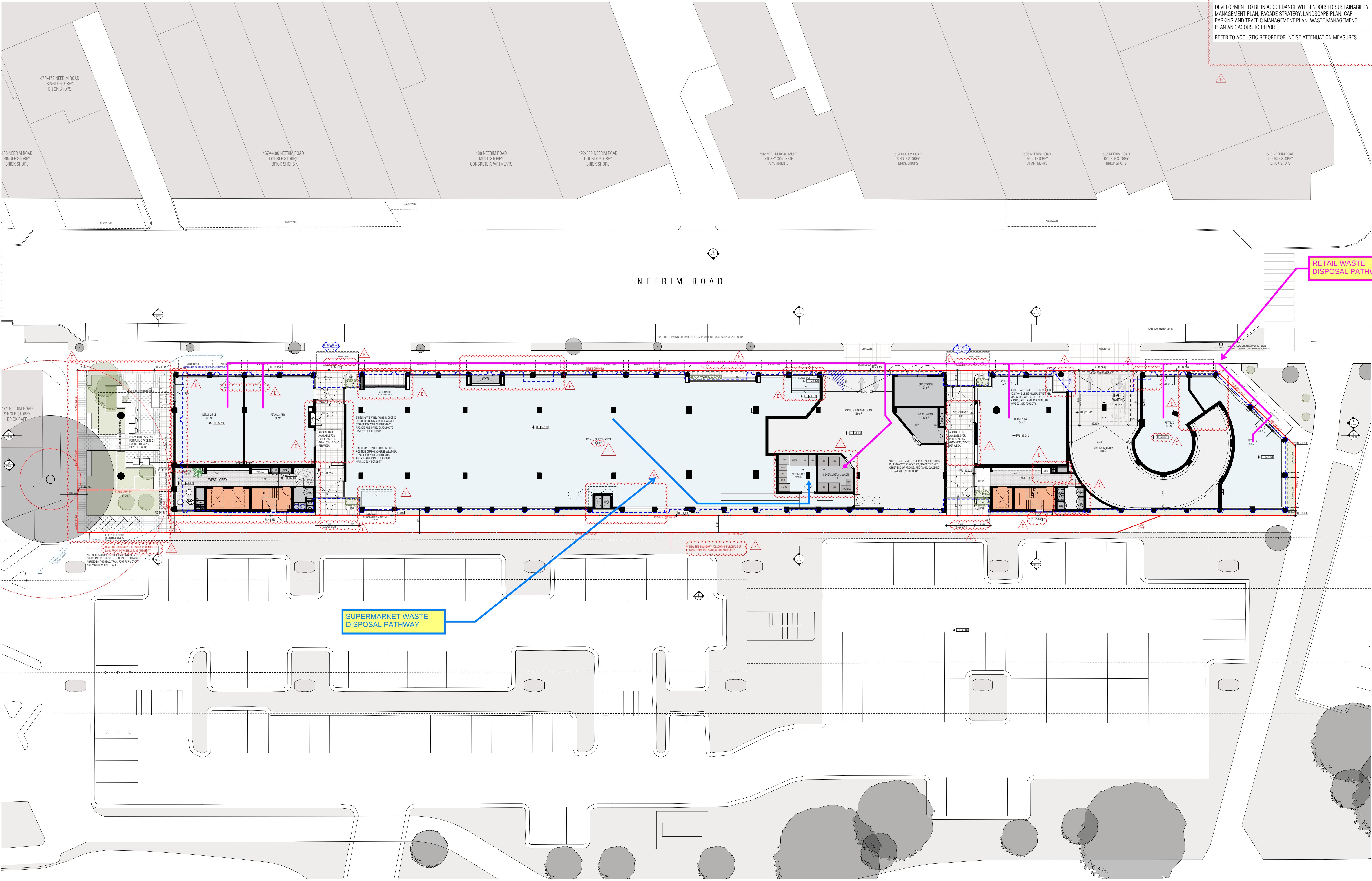
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TOWN PLANNING

Scale
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Drawing Number
TP2101

Revision
G

BIMcloud: fieldworkprojects - BIMcloud Software as a Service/AC27 Projects/230022_467-473 Neerim Rd Mumumbeena/230022_DD-CD_467-473 Neerim Rd Mumumbeena



REVISION	DATE	REVISION	DATE
A	1/12/2023		
B	19/07/2024		
C	27/08/2024		
D	16/12/2024		
E	5/02/2026		

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Project Number
230022

Client
MAKE.

Project Name
467-473 Neerim Rd Murrumbidgee

Site Address
467-473 NEERIM ROAD MURRUMBIDGE VIC 3163 AUSTRALIA

Drawing Name
GROUND FLOORPLAN

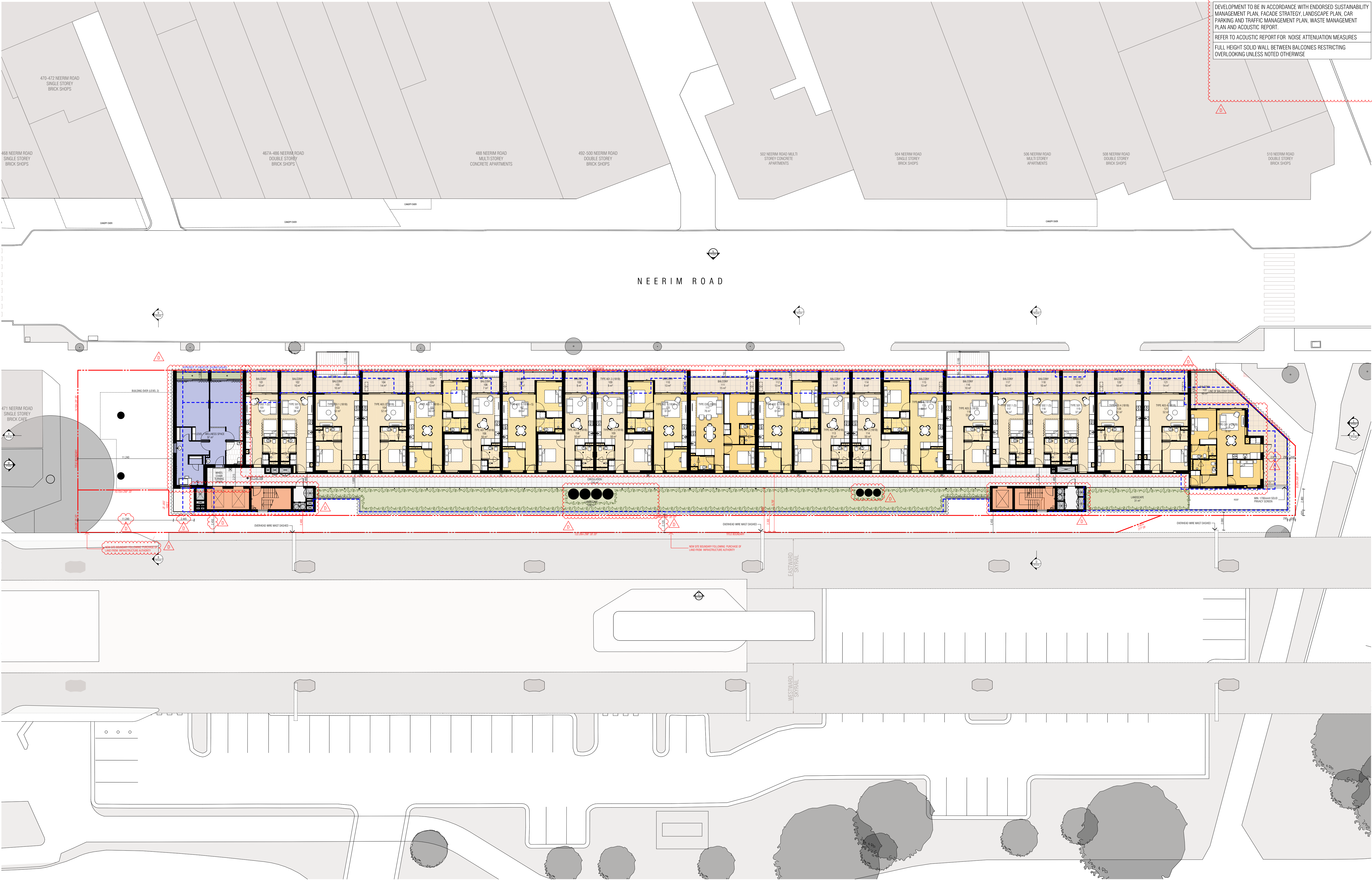
Date
5/02/2026

Status
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Scale
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Drawing Number
TP2102

Revision
E



DEVELOPMENT TO BE IN ACCORDANCE WITH ENDORSED SUSTAINABILITY MANAGEMENT PLAN, FACADE STRATEGY, LANDSCAPE PLAN, CAR PARKING AND TRAFFIC MANAGEMENT PLAN, WASTE MANAGEMENT PLAN AND ACOUSTIC REPORT.
REFER TO ACOUSTIC REPORT FOR NOISE ATTENUATION MEASURES
FULL HEIGHT SOLID WALL BETWEEN BALCONIES RESTRICTING OVERLOOKING UNLESS NOTED OTHERWISE

REVISION	DATE	REVISION	DATE
A	1/12/2023		
B	19/07/2024		
C	27/08/2024		
D	5/02/2026		

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Project Number
230022

Client
MAKE.

Project Name
467-473 Neerim Rd Murrumbidgee

Site Address
467-473 NEERIM ROAD MURRUMBIDGE VIC 3163 AUSTRALIA

Drawing Name
LEVEL 01 FLOOR PLAN

Date
5/02/2026

Status
TOWN PLANNING

Scale
1:200 @ A1

Drawing Number
TP2103

Revision
D



DEVELOPMENT TO BE IN ACCORDANCE WITH ENDORSED SUSTAINABILITY MANAGEMENT PLAN, FACADE STRATEGY, LANDSCAPE PLAN, CAR PARKING AND TRAFFIC MANAGEMENT PLAN, WASTE MANAGEMENT PLAN AND ACOUSTIC REPORT.
REFER TO ACOUSTIC REPORT FOR NOISE ATTENUATION MEASURES
FULL HEIGHT SOLID WALL BETWEEN BALCONIES RESTRICTING OVERLOOKING UNLESS NOTED OTHERWISE

REVISION	DATE	REVISION	DATE
A	1/12/2023		
B	19/07/2024		
C	27/08/2024		
D	5/02/2026		

THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL RELEVANT CONTRACTS, SPECIFICATIONS, SCHEDULES AND DRAWINGS. DIMENSIONS ARE IN MILLIMETRES AND LEVELS ARE IN METRES. DO NOT SCALE OFF DRAWINGS. USE FIGURED DIMENSIONS ONLY. CHECK AND VERIFY ALL DIMENSIONS ON SITE PRIOR TO COMMENCING WORK. CONTRACTOR TO NOTIFY ARCHITECT OF ANY DISCREPANCY IN DOCUMENTATION AND WAIT FOR INSTRUCTION PRIOR TO CONTINUING WITH WORK. BUILDING CONTRACTOR TO COORDINATE ALL SERVICES IN ACCORDANCE WITH SERVICES DOCUMENTATION AND CHECK PENETRATION POSITIONS PRIOR TO COMMENCEMENT OF WORK. ALL SHOP DRAWINGS ARE TO BE SUBMITTED TO THE ARCHITECT FOR APPROVAL AND MANUFACTURE SHALL NOT COMMENCE PRIOR TO THE RETURN OF THE DRAWINGS SIGNED BY THE ARCHITECT AND RELEVANT CONSULTANT. BUILDING TO BE SET OUT BY LICENSED LAND SURVEYOR WITH TITLE REESTABLISHMENT TO CARRIED OUT AT THE TIME OF SETOUT.

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Project Number
230022
Client
MAKE.
Project Name
467-473 Neerim Rd Murrumbreena
Site Address
467-473 NEERIM ROAD MURRUMBREENA VIC 3163 AUSTRALIA

Drawing Name
LEVEL 02 FLOOR PLAN
Date
5/02/2026
Status
TOWN PLANNING

Scale
1:200 @ A1
Drawing Number
TP2104
Revision
D

APPENDIX B

SWEPT PATH DIAGRAMMS



VEHICLE PROFILE

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

6.345

Waste Wise

0.98 3.40

Waste Wise Mini (Hino 300)

Width : 1.7m

Front Track : 1.4m

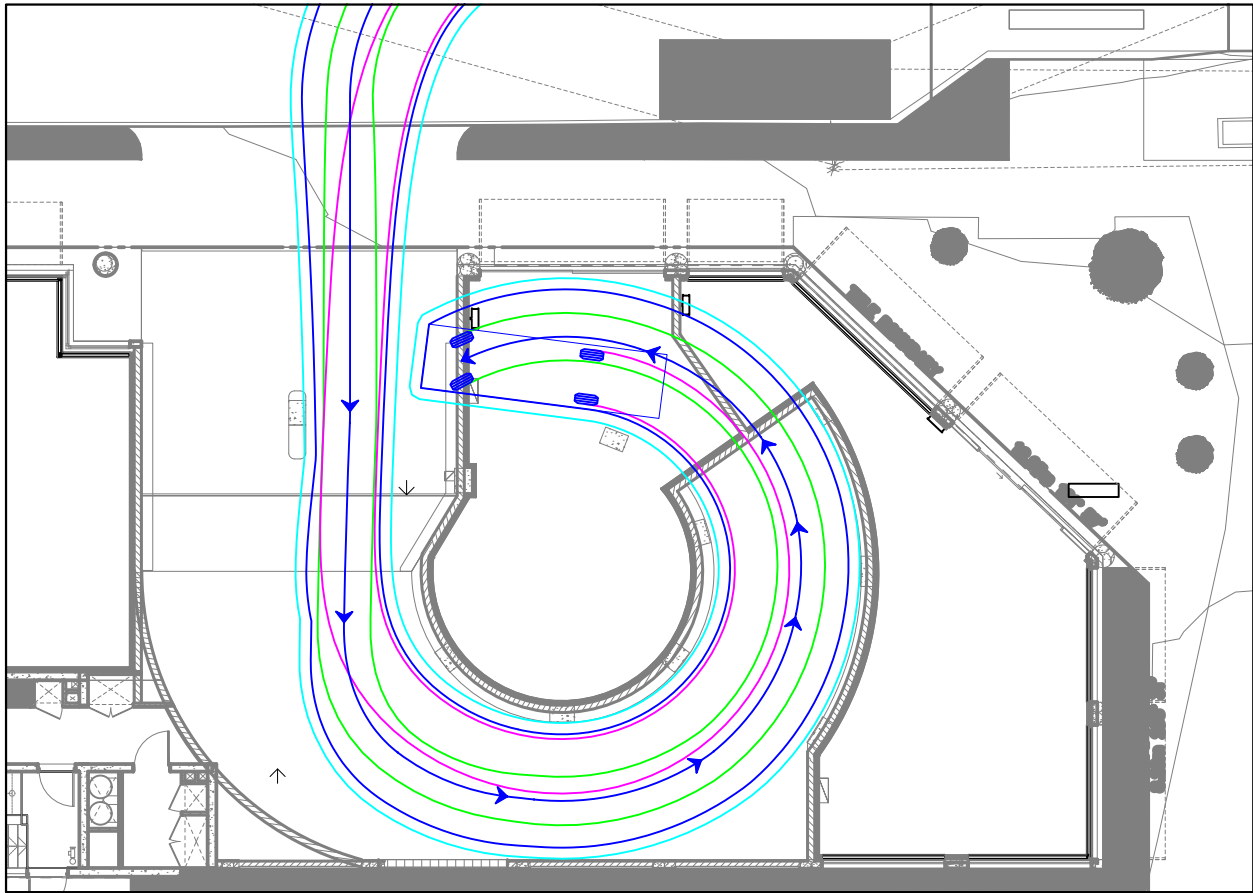
Rear Track : 1.44m

Kerb to Kerb Radius : 12.4m

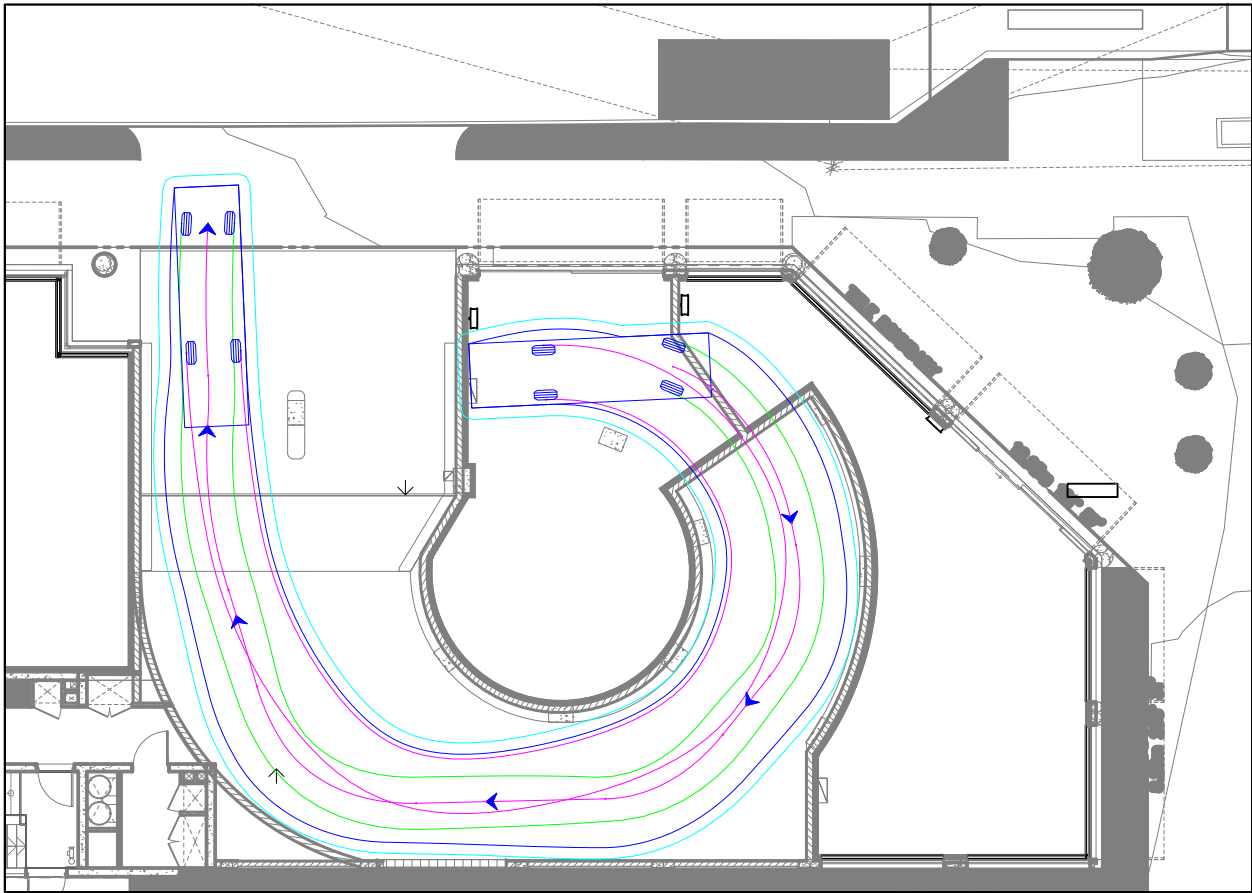
LEGEND

REAR WHEELS FRONT WHEELS VEHICLE BODY BODY CLEARANCE

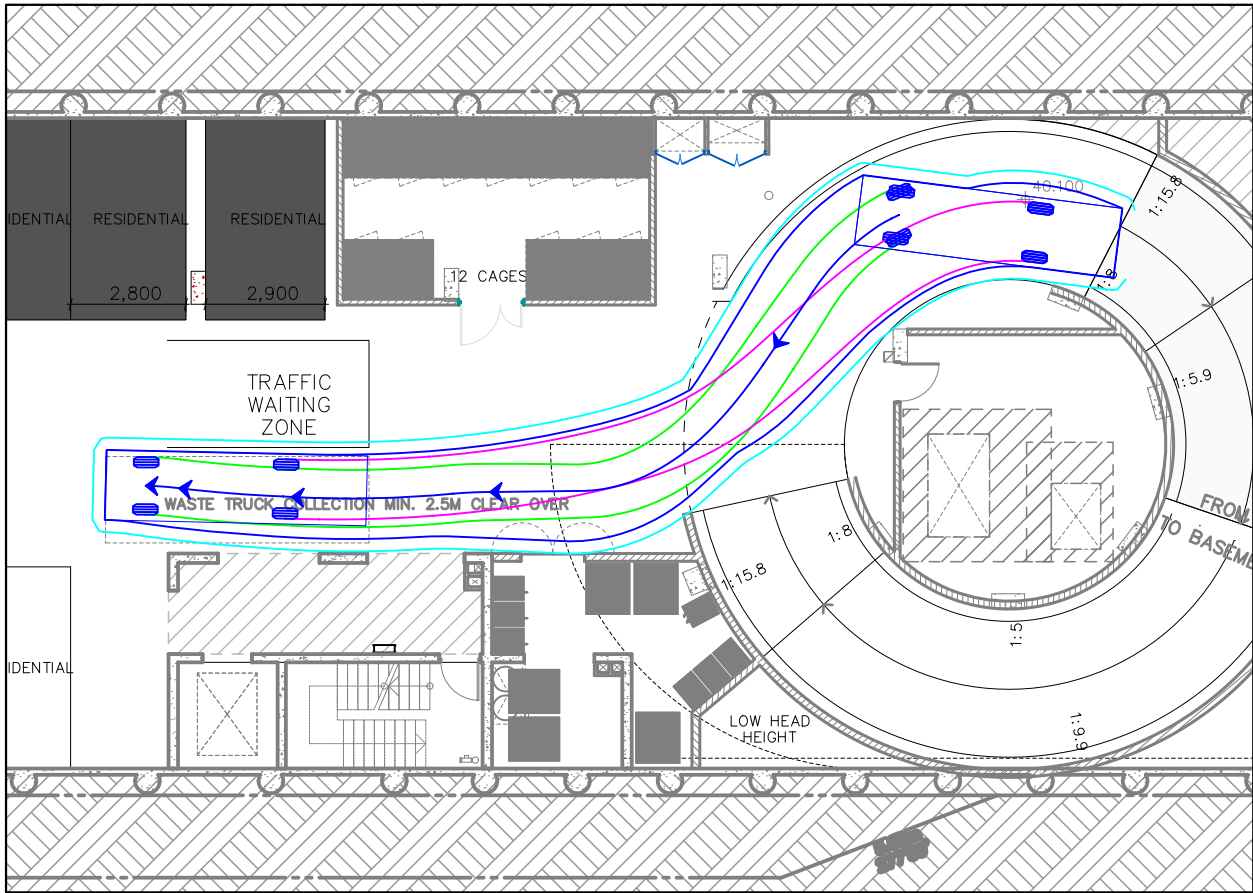
WASTE TRUCK - SITE ACCESS INGRESS



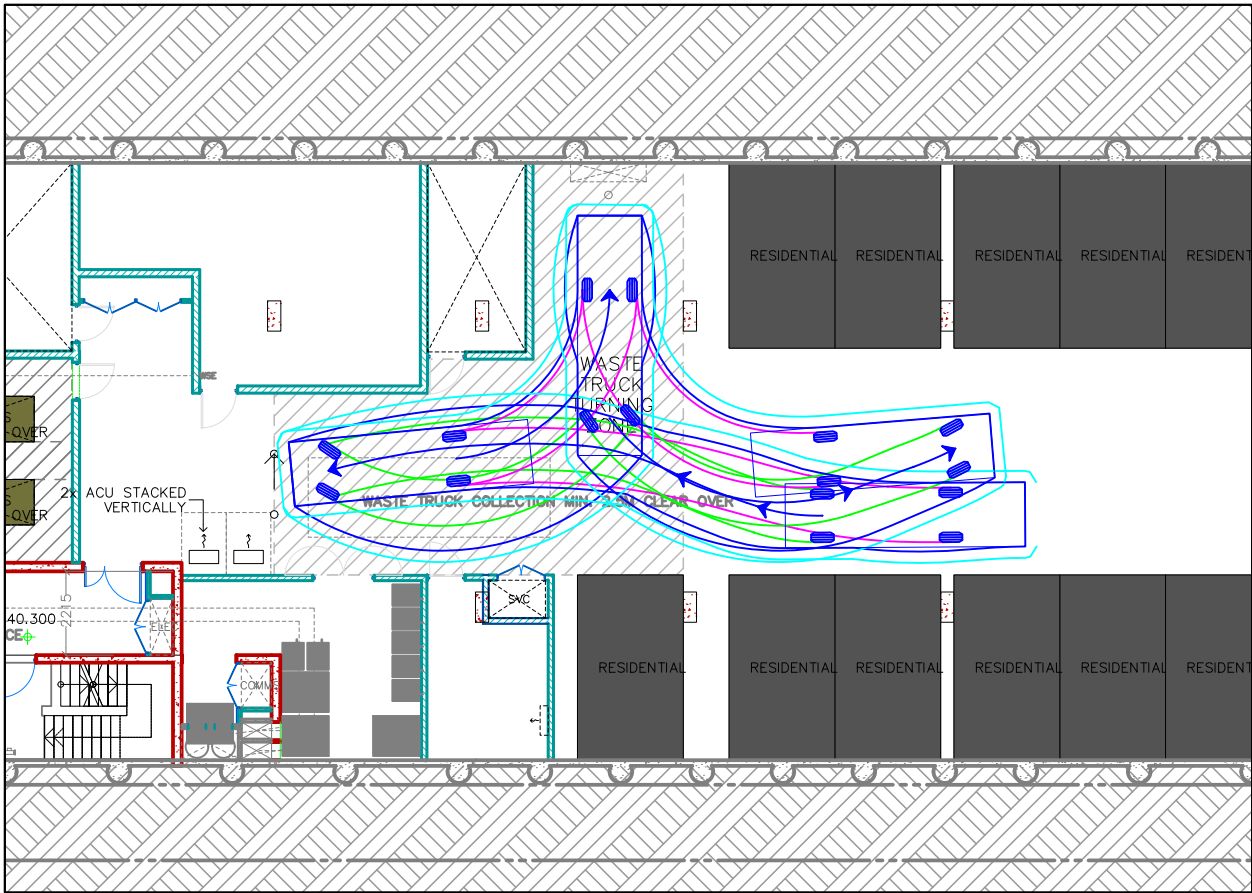
WASTE TRUCK - SITE ACCESS EGRESS



WASTE TRUCK - INTERNAL CIRCULATION - INGRESS



WASTE TRUCK - INTERNAL CIRCULATION BASEMENT 1 - TURNING ZONE



REV	DATE	NOTES	DESIGNED BY	CHECKED BY
A	28/11/2023	TP APPLICATION	T. AMANATIDIS (RPE 11292)	B. CHISHOLM (REP 7582)
B	30/07/2024	TP APPLICATION	T. AMANATIDIS (RPE 11292)	B. CHISHOLM (REP 7582)
C	25/09/2025	TP AMENDMENT	D. DURAIRAJ	B. CHISHOLM (REP 7582)

467-476 NEERIM ROAD, MURRUMBEENA
PROPOSED MIXED USE DEVELOPMENT

GENERAL NOTES:
BASE PLANS BY FIELDWORK, RECEIVED
SEPTEMBER 2025.

FILE NAME: G28549-02
SHEET NO.: 02



SCALE:
1:200 (A3)

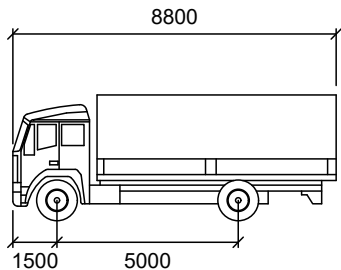
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VEHICLE PROFILE

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



MRV (AS 2890.2) mm

Width : 2500

Track : 2500

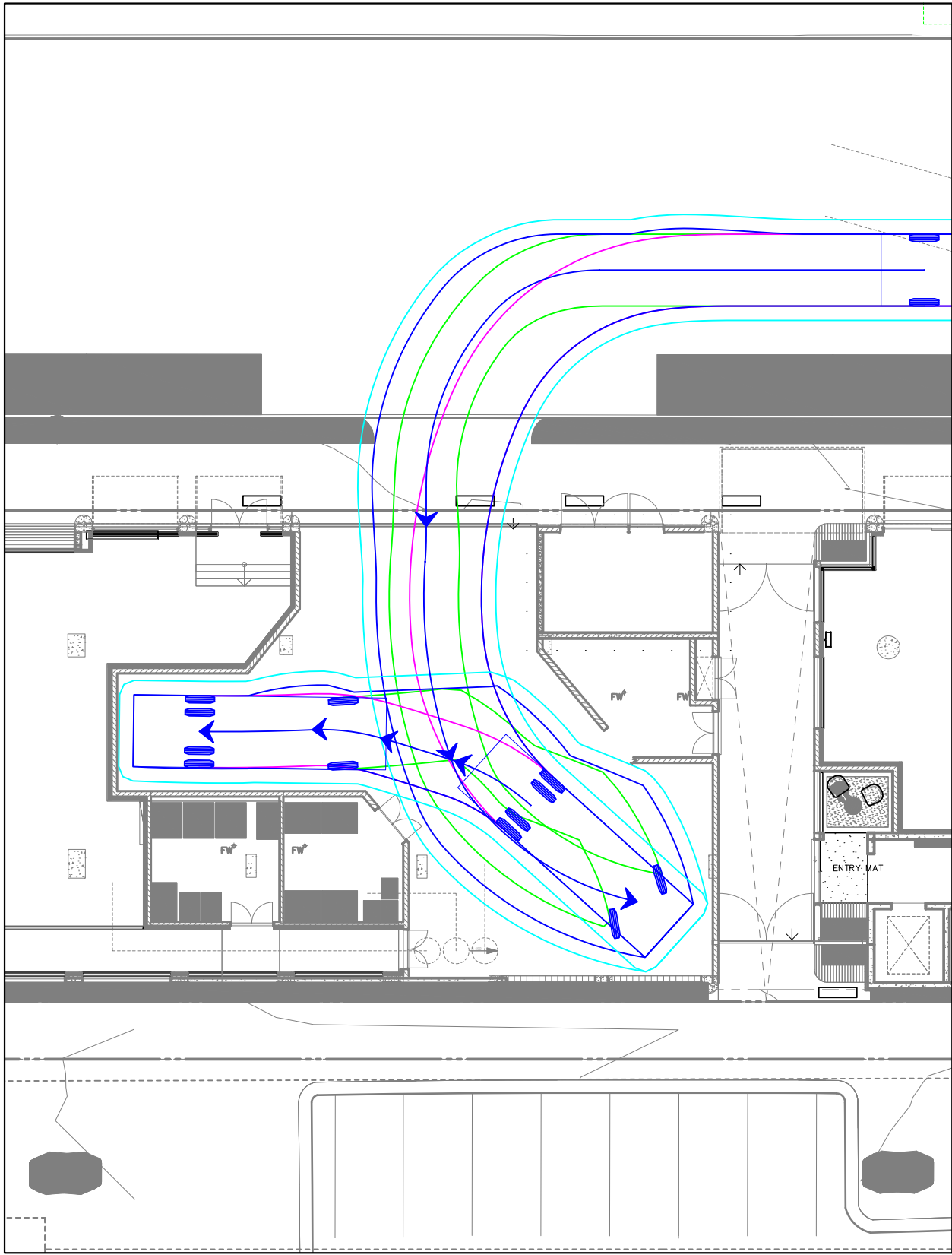
Lock to Lock Time : 6.0

Steering Angle : 34.0

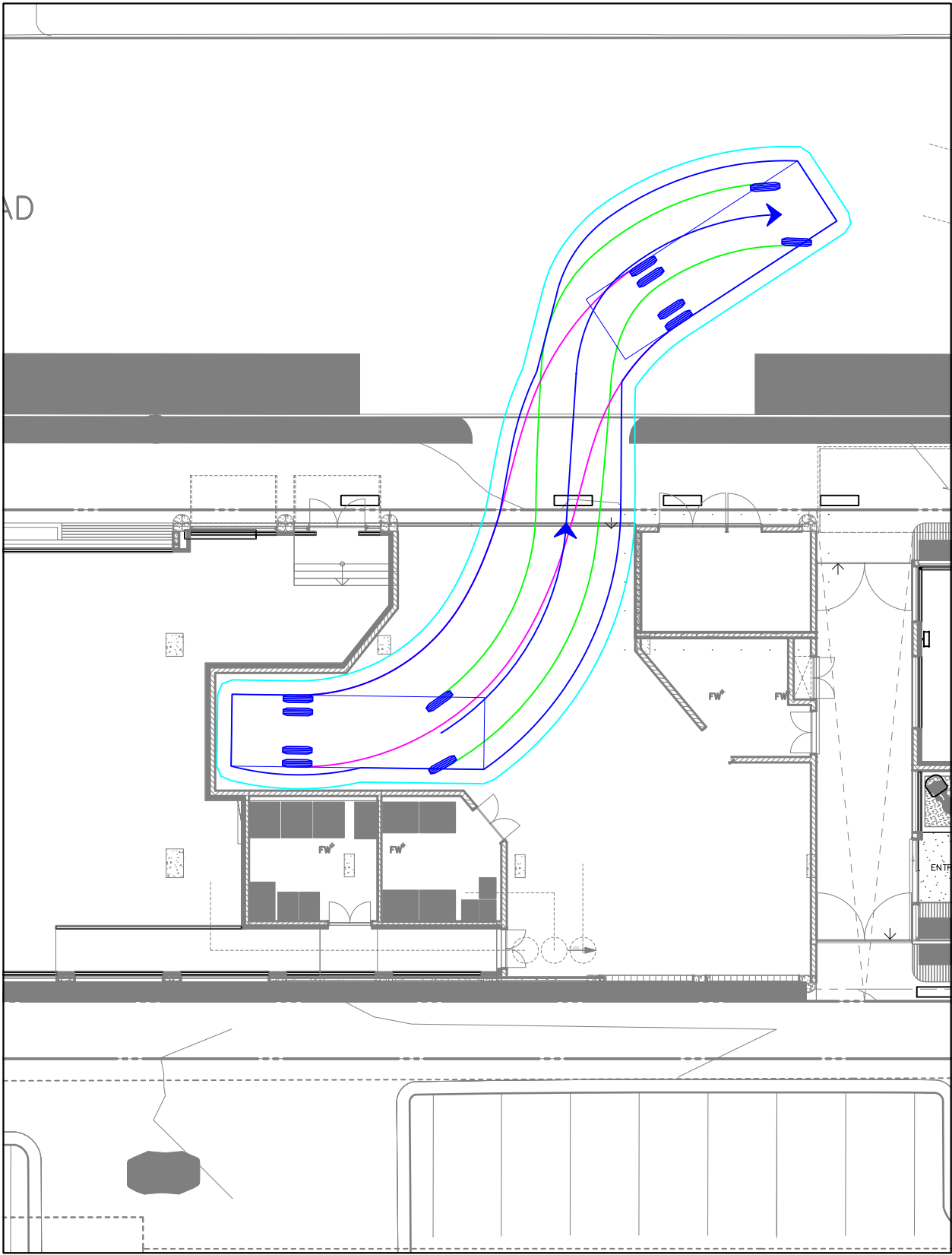
LEGEND

REAR WHEELS FRONT WHEELS VEHICLE BODY BODY CLEARANCE

LOADING TRUCK - SITE ACCESS INGRESS



LOADING TRUCK - SITE ACCESS EGRESS



REV	DATE	NOTES	DESIGNED BY	CHECKED BY
A	28/11/2023	TP APPLICATION	T. AMANATIDIS (RPE 11292)	B. CHISHOLM (REP 7582)
B	30/07/2024	TP APPLICATION	T. AMANATIDIS (RPE 11292)	B. CHISHOLM (REP 7582)
C	25/09/2025	TP AMENDMENT	D. DURAIRAJ	B. CHISHOLM (REP 7582)

467-476 NEERIM ROAD, MURRUMBEENA
PROPOSED MIXED USE DEVELOPMENT

GENERAL NOTES:
BASE PLANS BY FIELDWORK, RECEIVED
SEPTEMBER 2025.

FILE NAME: G28549-02
SHEET NO.: 03



SCALE:
1:200 (A3)

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APPENDIX C

SUPERMARKET WASTE
GENERATION RATES
REFERENCE



The below provides an overview of the calculation methodology of the supermarket waste generation rates used throughout this report. The Woolworths (WOW) document *2022 Sustainability Report (2022)* has been used as the basis of these estimates.

An extract of relevant sustainability report pages (with additional annotations by WSP) is further provided for reference.

WoW SUSTAINABILITY REPORT – TOTAL WASTE GENERATION		
Item	Value	Notes
Total Material Diverted	419,901 tonnes	
Total Material Landfilled	94,377 tonnes	
Total Material Generated	514,278 tonnes	
Landfill Diversion Rate	82%	Calculated as the ratio of total material diverted divided by total material generated
Waste (garbage) intensity	23 kg/m ² /year	
Waste (diversion) intensity	89 kg/m ² /year	Based on 82% diversion
Waste (garbage) intensity	46 kg/100m²/week	
Waste (diversion) intensity	205 kg/100m²/week	

WOW SUSTAINABILITY REPORT – INDIVIDUAL WASTE STREAM INTENSITY				
Item	End destination	AU+NNZ total (tonnes/year)	% of End Destination	Intensity (kg/m ² /week)
Food waste to composting or energy	Diversion	54,535	13%	26.7
Food waste to farmers	Diversion	54,273	13%	26.5
Food to charity	Diversion	15,468	4%	7.6
Cardboard	Diversion	284,149	68%	139.0
Plastic Film	Diversion	9,300	2%	4.5
Other	Diversion	2,175	1%	1.1
Subtotal - Diversion	Diversion	419,901	100%	205
Landfill	Landfill	94,377	100%	46
Subtotal - Landfill	Landfill	94,377	100%	46

WSP - INDIVIDUAL WASTE STREAM INTENSITY			
Waste Stream	Intensity (kg/100m ² /week)	BBP Material Density* (kg/m ³)	Intensity (L/100m ² /week)
Garbage	46.2	70	659.3
Cardboard	139.0	55	2,526.5
Soft Plastics	4.5	35	129.9
Food Organics	60.8	350	173.6
Other	1.1	115	9.2

* Waste densities adopted from the Better Building Partnership document *Operational Waste Guidelines (2018)*, available here: <https://www.betterbuildingspartnership.com.au/resource/guidelines-for-operational-waste-procurement-management-and-reporting/>

WSP – ADOPTED WASTE GENERATION RATES (PER WMP TABLE 12)		
Waste Stream	Adopted Waste Generation Rate (L/100m ² /week)	Notes
Garbage	960	Summation of the calculated garbage + soft plastics + other intensity, rounded to the nearest 5, with an additional 20% loading factor applied for a conservative estimate.
Cardboard	2,530	As per calculated intensity, rounded to the nearest 5
Food Organics	175	As per calculated intensity, rounded to the nearest 5

Sustainability metrics

WASTE (tonnes)

WSP Note: Cardboard to comprise majority of supermarket waste volume

Australia – materials diverted from landfill¹

	F20	F21	F22
Food waste to composting or energy	48,838	51,323	54,535
Food waste to farmers	33,271	50,751	51,441
Food to charity	8,659	10,000	12,804
Cardboard	237,766	240,062	254,856
Plastic film	8,649	7,127	7,665
Other	13	849	484
Total Australia	337,196	360,112	381,786

¹ F22 data has been estimated based on 12 months from June 21 to May 22.

New Zealand – materials diverted from landfill

	F20	F21	F22
Cardboard	32,327	27,245	29,293
Plastic film	1,045	1,725	1,635
Food waste to farmers	1,670	3,995	2,832
Food to charity	1,470	4,087	2,664
Other	4,497	2,397	1,691
Total New Zealand	41,009	39,450	38,115

Total diverted Australia and New Zealand	378,205	399,562	419,901
---	----------------	----------------	----------------

Total waste to landfill Australia and New Zealand	95,219	103,062	94,377
--	---------------	----------------	---------------

Waste intensity¹

WSP Note: Garbage to comprise minority of supermarket waste volume

	F20	F21	F22
kg/m ²	22	24	24

¹ Waste intensity is from Australian and New Zealand operations measuring waste to landfill against total trading area.

Virgin (new) plastic packaging reductions from targeted initiatives¹

WSP Note: Woolworths waste generation intensity is below that allowed for within the WMP (~105kg/m² allowed for in WMP)

	F20	F21	F22
Tonnes removed	2,831	2,066	4,262
% Cumulative removed from baseline	8%	13%	22%

¹ Includes Australian Woolworths supermarkets and Metro Food Stores. Excludes BIG W and Countdown, which will be reported in future years. Analysis is based on products considered 'private label' – including FoodCo and designated produce, meat and in-store bakery products, in addition to in-store packaging such as produce bags. Where historical packaging data is not available, we have estimated packaging specifications based on similar products in the category. A packaging data enhancement project is currently underway and will allow our packaging measures and baseline to be further refined. While not included in our packaging figures, the removal of single use plastic bags resulted in the elimination of over 13,000 tonnes of plastic (over 9,000 tonnes of virgin plastic) from F18 to F19. Cumulative reduction calculated based on equivalent percentage of baseline year virgin plastic packaging with a target of 50% by 2024.

