Traffix Group

Waste Management Plan

Proposed Mixed Use Development

342-348 Victoria Street, Brunswick

Prepared for
Assemble VSB Development Nominee Pty Ltd

November 2024

G32742R-02J (WMP)

Level 28, 459 Collins St
Melbourne Victoria 3000

T: 03 9822 2888
admin@traffixgroup.com.au

Traffix Group Pty Ltd
ABN: 32 100 481 570

traffixgroup.com.au

Document Control

Our Reference: G32742R-02J (WMP)

Issue No.	Type	Date	Prepared By	Approved By
D	Draft	16/11/23	D. Negi	C. Roche
E	Final	22/11/24	D. Negi	C. Roche
F	Section 72	17/04/2024	M. Jora	C. Roche
G	TP Amendment (First Issue)	30/07/2024	M. Jora	C. Morello (PE007781)
H	For Endorsement	23/10/2024	M. Jora	C. Morello (PE007781)
I	TP Amendment (Second Issue)	12/11/2024	M. Jora	C. Morello (PE007781)
J	TP Amendment (Second Issue)	22/11/2024	M. Jora	C. Morello (PE007781)

Table of Contents

List of Figures

List of Tables

List of Appendices

1. Introduction

Traffix Group has been engaged by Assemble VSB Development Nominee Pty Ltd to prepare a Waste Management Plan for the Proposed Amendment to Permit MPS/2017/745/A for a Mixed Use Development at 342-348 Victoria Street, Brunswick.

Traffix Group has been engaged by Assemble VSB Development Nominee Pty Ltd to undertake a Waste Management Plan to the proposed scheme.

2. Proposal

The application proposes to develop the site for the purpose of a multi-storey mixed-use development which includes four separate buildings.

The proposed development schedule for the residential and commercial components for each building is summarised in Table 1.

Table 1: Proposed Development Schedule

Building	Studio	1-Bed	2-Bed	3-Bed	Total Dwellings	Retail (NLA)	Office (NLA)	Assemble Community (NLA) [1]
1	15	30	46	10	101	500 m^2	625 m^2	-
2	6	25	28	10	69	280 m^2	530 m^2	-
3	4	8	40	4	56	80 m^2	732 m^2	104 m^2
4	0	23	22	13	58	479 m^2	299 m^2	-
Total	**25**	**86**	**136**	**37**	**284**	**1,338 m^2**	**2,186 m^2**	**104 m^2**

Waste collection is to be undertaken on-site within the basement level via a private contractor using a 6.4m long mini rear loading waste vehicle with access via a double width ramp off Victoria Street (consistent with the proposed scheme).

Separate waste areas for residential waste are provided in basement for each of the building.

Two waste areas are provided for commercial waste within the basement adjacent to the cores for Buildings 2 and 4.

The commercial waste room for Building 2 will accommodate the waste associated with the commercial components for Buildings 1 and 2.

The commercial waste room for Building 4 will accommodate the waste associated with the commercial components for Buildings 3 and 4.

A copy of the development plans prepared by Fieldwork Projects (dated November 2024) is attached at Appendix A.

[1] Includes 104 sqm within Building 3

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 basement 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 in the basement level.
- Dual chutes within the ground floor for transfer of commercial garbage and recyclable waste between the commercial floor and the commercial bin store in the basement 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. Waste generated in a particular building is to be disposed of in the corresponding waste room.

Table 2: Waste Streams

Waste Type	Waste Management	
	Residential Waste	Commercial Waste
Garbage	Each dwelling shall be provided with plastic bins for temporary storage of waste. 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. Building Management/Owners Corporation will be responsible for swapping the empty bins within the assigned residential waste area at the basement level.	Each tenancy shall be provided with plastic bins for temporary storage of landfill waste. Staff will place general landfill waste in tied plastic bags and dispose of the bagged garbage directly into the communal garbage bins via commercial waste chutes provided at Buildings 2 & 4 at ground floor. Building Management/Owners Corporation will be responsible for swapping the empty bins within the assigned residential waste area at the basement level.

Waste Type	Waste Management	
	Residential Waste	Commercial Waste
Commingled Recycling	Residents will primarily dispose of recyclable items via a bin chute to the recycling bins within the basement. Full recycling bins are to be transferred to the assigned residential waste area at basement level for temporary store and replaced with empty bins under the chutes.	Staff will dispose of loose recyclable items directly into the communal recycling bins via commercial waste chutes provided at Building 2 and 4 at ground floor. Full recycling bins are to be transferred to the assigned residential waste area at basement level for temporary store and replaced with empty bins under the chutes.
FOGO	Residents will be provided with a caddy. Residents will dispose of organic waste into the sealable buckets located next to waste chutes on each residential level. Building Management is to organise the transfer of FOGO waste to the Closed Loop Composter within the Composter store area at basement level.	Each tenancy shall be provided with a caddy for temporary storage of organic waste. Building Management will organise the transfer of FOGO waste to the Closed Loop Composter within the Composter store area at basement level
Glass	Residents will dispose of glass waste directly into personal bins. Then when the bin is full, residents will transfer the glass waste into bins located next to waste chutes on each residential level. Building Management is to organise the transfer of glass waste to the waste rooms in the basement level.	Staff will dispose of glass waste straight into the bins in waste room.
Paper & cardboard	Residents will dispose of paper and cardboard items directly to paper and carboard bin in the bin store area at the basement level. Paper and cardboard waste generated by residents are anticipated to be low and can be accommodated within the recycling bin.	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. Staff will dispose of loose cardboard directly into the paper & cardboard bin within the assigned commercial waste area at basement level via the lift cores.
Hard Waste	Residents will dispose of hard waste including used furniture and white goods with the assistance of Building Management. A temporary hard waste storage area is provided within the individual bin rooms of each building at the basement.	The commercial tenancies will dispose of any hard waste via a private contractor on a required basis through Building Management/Owners Corporation.

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).
- The Assemble Coworking spaces have been included as office floor area.
- The Assemble Community space would adopt a social premise.

Table 3 sets out the expected waste generation for the proposed development.

Table 3: Waste Generation Rates

Waste Source	Garbage (Note 1)	Recycling (Note 1)
Residential		
Studio & One-bedroom dwellings	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 Rates)	300L/100m² floor area/day	200L/100m² floor area/day
Office	10L/100m^2 floor area/day	10L/100m^2 floor area/day
Assemble Community	50L/100m^2 floor area/day	10L/100m^2 floor area/day
Notes 1: The waste generation rates are based on *Best Practice Guide for Waste Management and Recycling in Multi-unit Developments* by Sustainable Victoria		

It is assumed that retail tenancies (including the Assemble retail tenancy) will operate seven days a week.

It is assumed that the office tenancies (including the Assemble Coworking space) would operate five days a week.

Two commercial waste rooms are proposed within the basement as described below:

- Building 2 – A combined waste room in basement adjacent to the core to Building 2 which will accommodate the commercial waste generated by Buildings 1+2.
- Building 4 – A combined waste room in basement adjacent to the core to Building 4 which will accommodate the commercial waste generated by Buildings 3+4.

Estimates for the total waste generated by the proposed development, individual building for the residential and commercial components are detailed in Table 4 to

Table 7.

Table 4: Expected Waste Generation for the Proposed Use – Building 1

Waste Source	Size/No.	Garbage	Recycling
Residential – Building 1			
Studio & One-bedroom dwelling	45	3,600L per week	3,600L per week
Two-bedroom dwellings	46	4,600L per week	4,600L per week
Three-bedroom dwellings	10	1,200L per week	1,200L per week
TOTAL WASTE GENERATED		**9,400 L per week**	**9,400 L per week**

Table 5: Expected Waste Generation for the Proposed Use – Building 2

Waste Source	Size/No.	Garbage	Recycling
Residential – Building 2			
Studio & One-bedroom dwelling	31	2,480L per week	2,480L per week
Two-bedroom dwellings	28	2,800L per week	2,800L per week
Three-bedroom dwellings	10	1,200L per week	1,200L per week
TOTAL WASTE GENERATED		**6,480 L per week**	**6,480 L per week**
Commercial – Buildings 1+2			
Retail (Café)	780 m^2	16,380L per week	10,920L per week
Office	1,156 m^2	578L per week	578L per week
TOTAL WASTE GENERATED		**16,958 L per week**	**11,498 L per week**

Table 6: Expected Waste Generation for the Proposed Use – Building 3

Waste Source	Size/No.	Garbage	Recycling
Residential – Building 3			
Studio & One-bedroom dwelling	12	960L per week	960L per week
Two-bedroom dwellings	40	4,000L per week	4,000L per week
Three-bedroom dwellings	4	480L per week	480L per week
TOTAL WASTE GENERATED		**5,440 L per week**	**5,440 L per week**

Table 7: Expected Waste Generation for the Proposed Use – Building 4

Waste Source	Size/No.	Garbage	Recycling
Residential – Building 4			
One-bedroom dwelling	23	1,840L per week	1,840L per week
Two-bedroom dwellings	22	2,200L per week	2,200L per week
Three-bedroom dwellings	13	1,560L per week	1,560L per week
TOTAL WASTE GENERATED		**5,600 L per week**	**5,600 L per week**
Commercial – Buildings 3+4			
Retail	559 m^2	11,739L per week	7,826L per week
Office	1,031m^2	515L per week	515L per week
Assemble Community	104 m^2	263L per week	53L per week
TOTAL WASTE GENERATED		**12,517 L per week**	**8,394 L 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 8.

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 food & drink premises, approximately 30% of garbage waste is considered as organic. We have considered 30% of the recycling waste as glass waste.

Table 8: Alternative Waste Streams

Land Use	Garbage		Recycling		
	General	FOGO	Commingled	Glass	Paper & Cardboard
Residential					
All dwellings	65%	35%	70%	30%	-
Commercial					
Office	100%	-	50%	-	50%
Café	70%	30%	60%	-	40%
Assemble Community	100%	-	50%	-	50%

3.3. Waste Equipment

3.3.1. Waste Equipment (MGBs)

Based on the determined waste generation and adopting the alternate waste stream splits in the section above, Table 9 provides a summary of the total waste generation, nominated waste storage area provisions and the frequency of collection.

Table 9: Waste Bins and Collection Frequencies– Building 1

Waste Stream	Waste Volume (L/week)	Bin Capacity	No. of Bins Required	Collection Frequency (per week)
Residential – Building 1				
Garbage	6,110L	1,100L	3 no.	2
Recycling	6,580L	1,100L	3 no.	2
Glass	2,820L	120L	12 no.	2

Table 10: Waste Bins and Collection Frequencies– Building 2

Waste Stream	Waste Volume (L/week)	Bin Capacity	No. of Bins Required	Collection Frequency (per week)
Residential – Building 2				
Garbage	4,212L	1,100L	2 no.	2
Recycling	4,536L	660L	4 no.	2
Glass	1,944L	120L	9 no.	2
Commercial – Buildings 1+2				
Garbage	12,044L	1,100L	6 no.	2
Recycling	6,841L	240L 1,100L	1 no. 3 no.	2
Paper and Cardboard	4,657L	240L 1,100L	1 no. 2 no.	2

Table 11: Waste Bins and Collection Frequencies– Building 3

Waste Stream	Waste Volume (L/week)	Bin Capacity	No. of Bins Required	Collection Frequency (per week)
Residential – Building 3				
Garbage	3,536L	1,100L	2 no.	2
Recycling	3,808L	1,100L	2 no.	2
Glass	1,632L	120L	7 no.	2
Commercial – Buildings 3+4				
Garbage	8,995L	1,100L	5 no.	2
Recycling	4,979L	1,100L	3 no.	2
Paper and Cardboard	3,414L	1,100L	2 no.	2

Table 12: Waste Bins and Collection Frequencies– Building 4

Waste Stream	Waste Volume (L/week)	Bin Capacity	No. of Bins Required	Collection Frequency (per week)
Residential – Building 4				
Garbage	3,640L	1,100L	2 no.	2
Recycling	3,920L	1,100L	2 no.	2
Glass	1,680L	120L	7 no.	2

These are to be collected as needed at the discretion of Building Management.

Further details regarding the waste equipment required for the residential component are detailed in Table 13.

Table 13: Bin Details and Colours

Waste Stream	Bin Capacity	Dimensions (H x W x D) Note 1	Bin Lid Colour Note 2	Bin Body Colour Note 2
Garbage	240L 1,100L	1,060 x 585 x 660mm 1,330 x 1,240 x 1,070mm	Red	Dark Green
Recycling	240L 660L 1,100L	1,060 x 585 x 660mm 1,200 x 1,260 x 780mm 1,330 x 1,240 x 1,070mm	Yellow	
Glass	120L	930 x 480 x 545mm	Purple	
Paper & Cardboard	240L 1,100L	1,060 x 585 x 660mm 1,330 x 1,240 x 1,070mm	Blue	

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 Merri-Bek City Council.

3.3.2. Dual Chutes

A residential dual waste chute system will be provided within each building with access at each floor adjacent to the core. A separate commercial dual chute is proposed from ground floor to basement level in Building 2 and Building 4.

Each system will include dedicated chutes for garbage and recycling separately which will terminate into the appropriate bins located within the residential and commercial waste areas at basement.

Skirting/equivalent system should be provided at the termination of the chutes to reduce the impact of materials falling into the bins. Garbage and recycling bins can have reinforced bases to increase the durability of the bins.

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 basement will be secured and accessible to trained personnel only.

Bins would be rotated as required by Building Management/Owners Corporation.

The manufacturer's specification for the chute system is available at Appendix B.

3.3.3. Above Ground Waste Rooms (Residential)

A typical layout of an above ground residential waste room is presented in Figure 1 and includes:

- 1x120L bin for glass & 6x20L sealable/stackable buckets for FOGO with or adjacent to the core,
- Dual chutes for garbage and recycling wastes within the core.

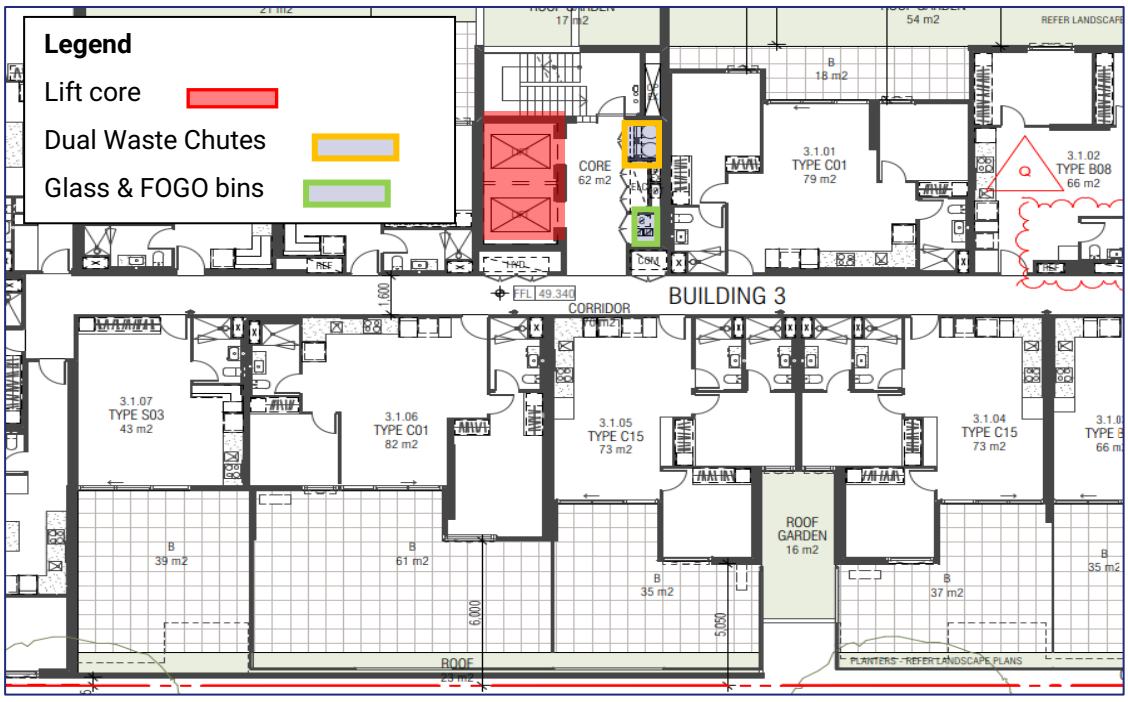


Figure 1: Bin Chute Location and Layout – Residential (Building 3, Level 1)

Commercial

A typical layout of an above commercial waste room is presented in Figure 2. There is no access to residential bin chutes from commercial tenancy floors, however commercial bin chutes are provided for garbage and recycling for in Buildings 2 and 4.

- Building 2 waste chutes: commercial waste from Buildings 1 and 2,
- Building 4 waste chutes: commercial waste from Buildings 3 and 4.

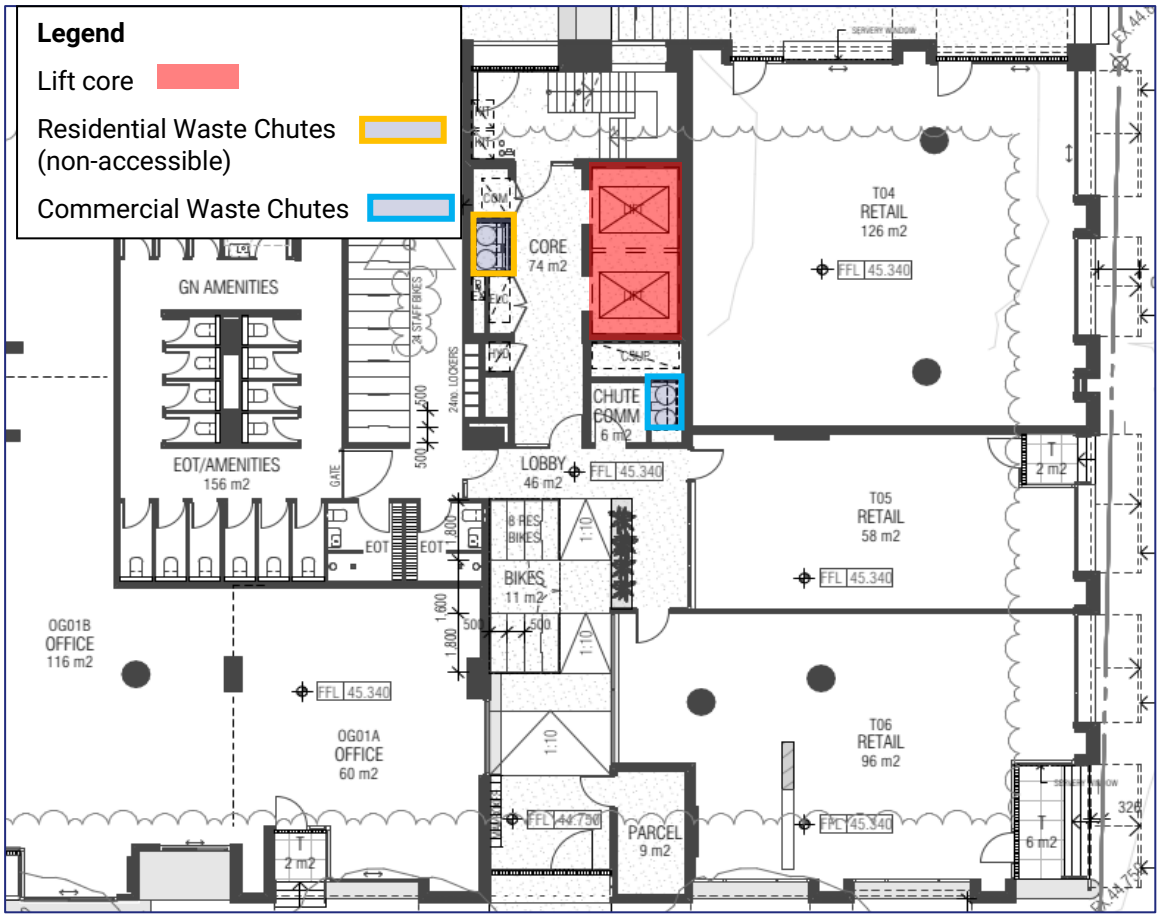


Figure 2: Bin Chute Location and Layout – Commercial Floor (Building 2, Ground Level)

3.3.4. Basement Waste Room

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 Composter in the basement waste area as described below:

- Building 1– Accommodating all the FOGO waste for the residential and commercial components for Buildings 1 & 2.
- Building 3 – Accommodating all the FOGO waste for the residential and commercial components for Buildings 3 & 4.

The recommended composter system based on the FOGO waste generation which is presented in Table 14.

Table 14: FOGO Composter Calculations

Buildings	FOGO (L/week)	FOGO (kg/week)[2]	FOGO (kg/day)	Composter Model
1 + 2	10,472 L/week	2,409 kg/week	344 kg/day	2 x CLO-100
3 + 4	7,386 L/week	1,699 kg/week	243 kg/day	CLO-100 + CLO-50

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.

3.3.5. Bin Storage Areas and Access

The proposed mixed-use development provides individual waste rooms for residential component for each building.

For the commercial component, a combined waste room for Buildings 1 and 2 is provided in the basement adjacent to the core of Building 2 and a combined waste room for Buildings 3 and 4 is provided in the basement adjacent to the lift core of Building 4.

Pedestrian access to the waste bin store areas will be via the lift/stairs.

The waste rooms and waste collection points for each building at the basement are illustrated in Figure 3 and Figure 4, respectively.

[2] Using a conversion factor of 0.23 to change litres to kgs.

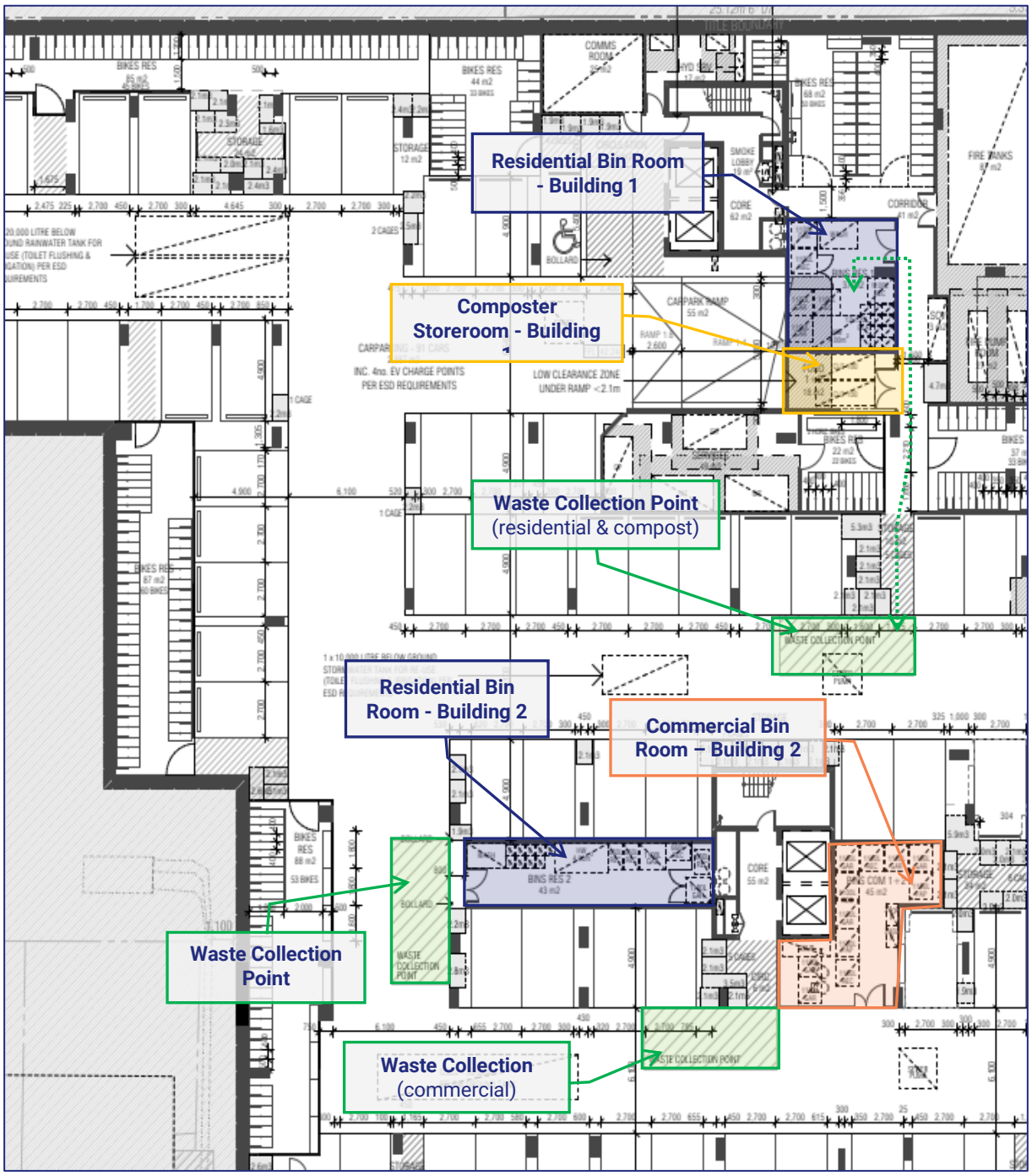


Figure 3: Proposed Waste Rooms and Waste Collection

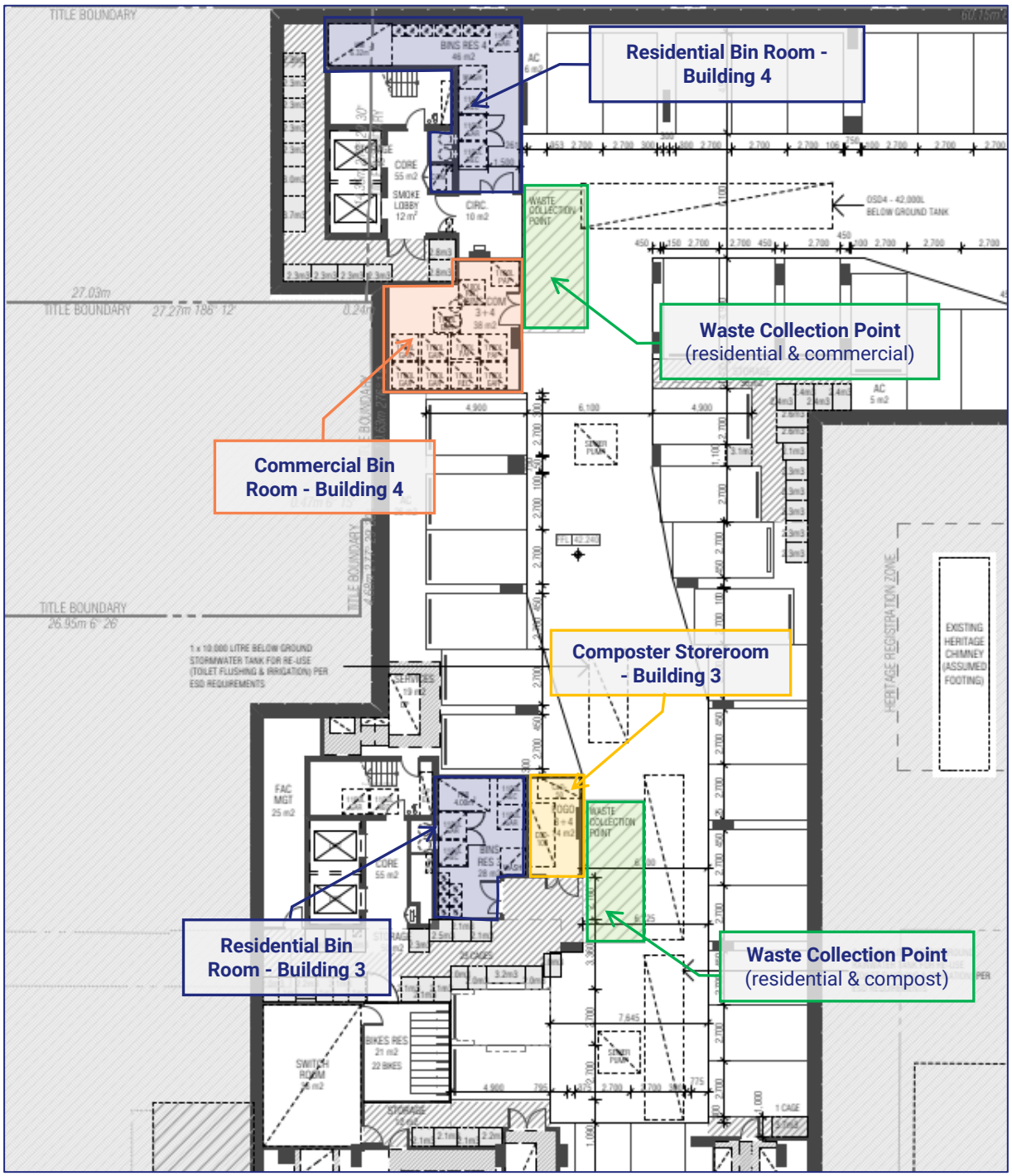


Figure 4: Proposed Waste Rooms and Waste Collection Points in Basement (Building 3 & 4).

Table 15 details the waste area requirements and equipment for each building within the basement level.

Table 15: Waste Area Requirements

Use	Waste Equipment	Net Area (Note 1)	Quantity	Net Waste Storage Area Required	Waste Area Provided
Building 1					
Residential	120L	0.26m^2	12	3.12m^2	31 m^2
	1,100L	1.33m^2	6	7.96m^2	
	Hard waste			4 m^2	4 m^2
Buildings 1+2	Closed Loop composter: CLO-100			7.6m^2	18 m^2
Building 2					
Residential	120L	0.26m^2	9	2.35m^2	39 m^2
	660L	0.98 m^2	4	3.93 m^2	
	1,100L	1.33m^2	2	2.65 m^2	
	Hard waste			4 m^2	4 m^2
Commercial (Buildings 1+2)	240L	0.43m^2	2	0.85m^2	43 m^2
	1,100L	1.33m^2	11	14.59m^2	
Building 3					
Residential	120L	0.26m^2	7	1.83m^2	25 m^2
	1,100L	1.33m^2	4	5.31m^2	
	Hard waste			4 m^2	4 m^2
Buildings 3+4	Closed Loop composter: CLO-100			3.80m^2	14 m^2
	Closed Loop composter: CLO-50			2.28m^2	
Building 4					
Residential	120L	0.26m^2	7	1.83m^2	38.39 m^2
	1,100L	1.33 m^2	4	5.31 m^2	
	Hard waste			4 m^2	5.61 m^2
Commercial (Buildings 3+4)	1,100L	1.33m^2	10	13.27m^2	65 m^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 for each building within the basement 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 5.

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

Figure 5: Waste Signage Examples

3.5. Waste Collection Arrangements and Vehicle Access

Individual building waste rooms for residents and combined waste rooms for commercial buildings are identified within the basement level and waste collection is to occur within the basement car park by a private contractor utilising a Hino mini rear loader waste vehicle (nominal 6.4 metre length, 2.1 metre height).

A minimum 2.5 metres height clearance is provided at the waste collection points which is considered to be acceptable.

The waste vehicle can satisfactorily enter the site in a forward direction via the private vehicular accessway, travel along the ramp, prop adjacent to all the waste rooms within the aisle, collect waste and exit the site in a forward direction.

Swept path diagrams that demonstrate satisfactory waste vehicle movements are attached at Appendix D.

These arrangements are consistent with the proposed scheme.

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 times 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

Appropriate washing facilities including water supply and hose will 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.

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 future occupant(s) of the building.

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 6 below.

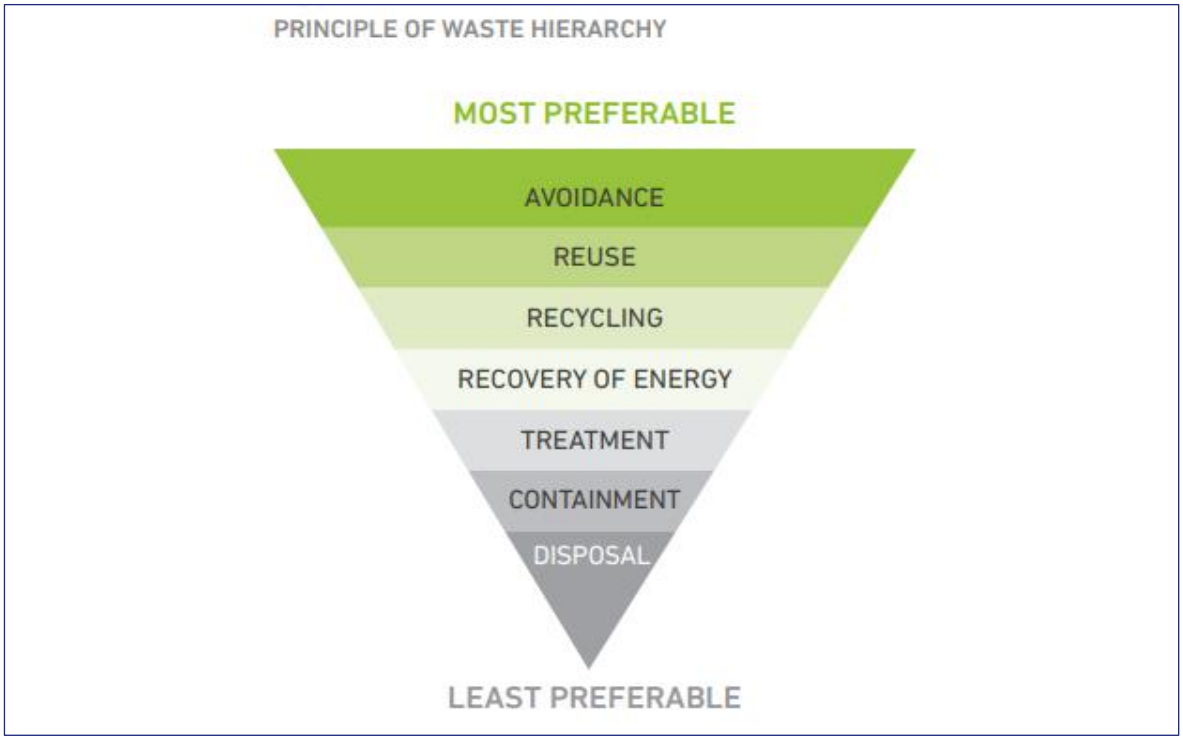


Figure 6: Sustainability Victoria's Waste Management Hierarchy

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. Building Management will be responsible for monitoring the Waste Management Plan. Where required, Building Management 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.

6. Contact Information

Table 16 provides a list of common waste collection service contractors and waste equipment suppliers. The Building Management 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.

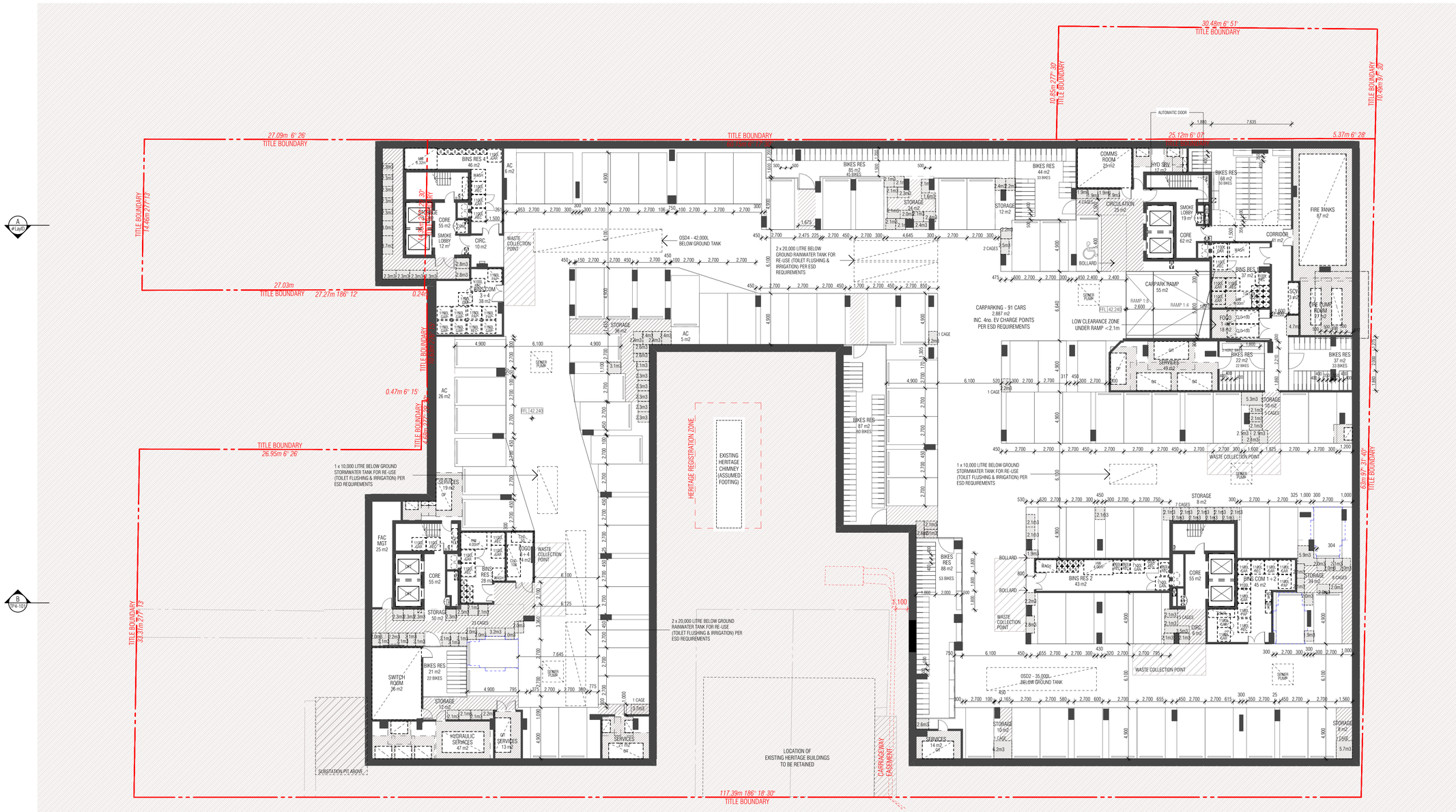
Table 16: Supplier Contact Information

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 (chute)	1800 023 441	www.jdmacdonald.com.au
	Eco-safe Technologies (odour control system)	1300 135 039	www.eco-safe.com.au
	Closed Loop (composter supplier)	03 9684 4600	https://closedloop.com.au/composters/
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

Appendix A

Development Plans

ADVERTISED PLAN



REV	NOTE	DATE
K	TOWN PLANNING AMENDMENT	13/07/2023
L	TOWN PLANNING AMENDMENT	20/09/2023
M	TOWN PLANNING FOR ENDORSEMENT	23/11/2023
N	TOWN PLANNING FOR ENDORSEMENT	5/02/2024
O	TOWN PLANNING AMENDMENT	15/04/2024
P	TOWN PLANNING AMENDMENT	15/08/2024
Q	TOWN PLANNING AMENDMENT	21/11/2024

REV	NOTE	DATE

FIELDWORK

FIELDWORK PROJECTS PTY. LTD.
150 LANGRIDGE STREET COLLINGWOOD VICTORIA 3066 AUSTRALIA
ABN 27 162 632 939 ACN 162 632 939
T +61 3 9081 2401 E hello@fieldworkprojects.com.au

Project Number
220041

Client
ASSEMBLE

Project Name
Victoria Street Brunswick

Site Address
342-348 VICTORIA ST BRUNSWICK VIC 3056 AUSTRALIA

Drawing Name
BASEMENT LEVEL 01 PLAN

Date
21/11/2024

Status
TOWN PLANNING AMENDMENT

Scale
1:200 @ A1

Drawing Number
TP2-101

Revision
Q

ADVERTISED PLAN

WINDOWS TO PUBLIC ROADS WILL NOT BE USED AS SERVERY WINDOWS

BRUNSWICK RAILWAY STATION

RAIL LINE

RAIL LINE

RAIL LINE

UPFIELD BIKE PATH

BUILDING 4

BUILDING 1

BUILDING 3

BUILDING 2

WILKINSON STREET (PROPOSED SHARED ZONE)

VICTORIA STREET

ROSSER STREET

NO. 37-39

NO. 35

NO. 31

NO. 29

NO. 27

NO. 25

NO. 23

NO. 19

CARPARK

NO. 10

NO. 14

NO. 18

NO. 20

NO. 22

NO. 24

NO. 338

NO.28 WILKINSON STREET NEIGHBOURING PROPERTY

ACCESSIBLE CIRCULATION TO INCLUDE NEW PAVEMENT TO BE DELIVERED AS PART OF PROJECT WORKS IN ACCORDANCE WITH PERMIT CONDITIONS

ACCESSIBLE PATH OF TRAVEL TO INCLUDE NEW PAVEMETN TO BE DELIVERED AS PART OF PROJECT WORKS IN ACCORDANCE WITH PERMIT CONDITIONS

PROPOSED NEW LIGHT POLE

IN-GROUND OCEAN PROTECT END-OF-LINE TREATMENT DEVICE NO2 PER ESD ADVICE

PROPOSED LOADING ZONE

THE DESIGN OF THE RELOCATED CAR SPACES SUBJECT TO APPROVAL OF THE RESPONSIBLE AUTHORITY

THE DESIGN OF THE RELOCATED CAR SPACES SUBJECT TO APPROVAL OF THE RESPONSIBLE AUTHORITY

HERITAGE REGISTRATION ZONE

DEEP SOIL ZONE

RETRACTABLE AWNING

IN-GROUND OCEAN PROTECT END-OF-LINE TREATMENT DEVICE NOT PER ESD ADVICE

REMOVE CROSSOVER & REINSTATE KERB & CHANNEL TO AUTHORITY REQUIREMENTS

PROPOSED VEHICLE CROSSING WITH 1m STRAIGHT SPLAYS ON BOTH SIDES IN ACCORDANCE WITH COUNCIL'S STANDARD VEHICLE CROSSING DESIGN AND AUTHORITY REQUIREMENTS

PERFORATED FIXED CANOPY

EXPOSED FIRE BOOSTER TO FRV REQUIREMENTS

1,200 CANOPY TYP.

PROPOSED BUS STOP THE DESIGN OF THE RELOCATED BUS STOP IS TO BE PREPARED TO THE SATISFACTION OF THE RESPONSIBLE AUTHORITY

FOOTPATH

CARRIAGEWAY EASEMENT

RENOVATION DESIGN

EXISTING BUILDINGS TO BE RETAINED

REV	NOTE	DATE
K	TOWN PLANNING AMENDMENT	13/07/2023
L	TOWN PLANNING AMENDMENT	20/09/2023
M	TOWN PLANNING FOR ENDORSEMENT	23/11/2023
N	TOWN PLANNING FOR ENDORSEMENT	5/02/2024
O	TOWN PLANNING AMENDMENT	15/04/2024
P	TOWN PLANNING AMENDMENT	15/08/2024
Q	TOWN PLANNING AMENDMENT	21/11/2024

FIELDWORK

FIELDWORK PROJECTS PTY. LTD.
150 LANGRIDGE STREET COLLINGWOOD VICTORIA 3066 AUSTRALIA
ABN 27 162 632 939 ACN 162 632 939
T +61 3 9081 2401 E hello@fieldworkprojects.com.au

Project Number
220041

Client
ASSEMBLE

Project Name
Victoria Street Brunswick

Site Address
342-348 VICTORIA ST BRUNSWICK VIC 3056 AUSTRALIA

Drawing Name
GROUND FLOOR PLAN

Date
21/11/2024

Status
TOWN PLANNING AMENDMENT

Scale
1:200 @ A1

Drawing Number
TP2-102

Revision
Q

Appendix B

Dual Chute Specification

Chute Solutions.™
an Elephants Foot Company

DUAL CHUTE SYSTEMS

Centralising two main waste streams waste and recycling.

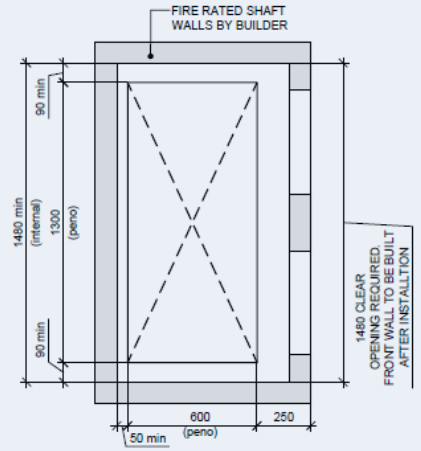
No need for recycling bins on each level.

Reduction in cleaning and maintenance frequencies.

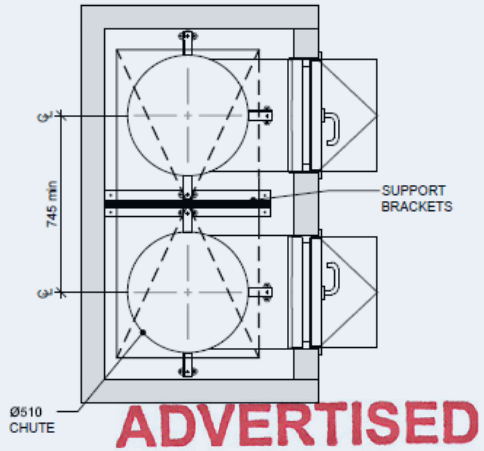
ADVERTISED PLAN

Chute Solutions.™
an Elephants Foot Company

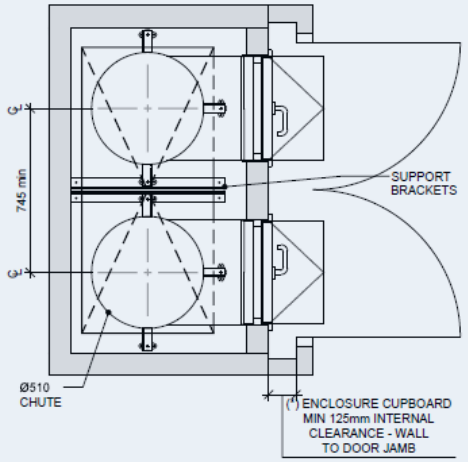
Dual 510mm Setout



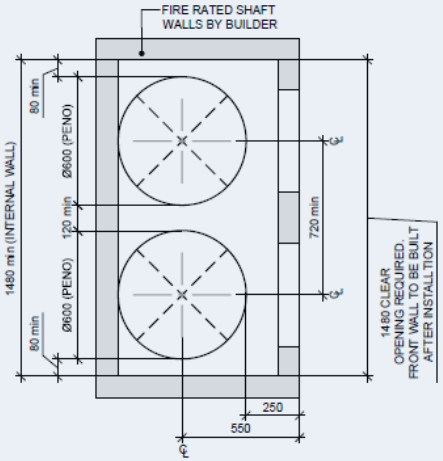
DUAL (510Ø) GALVANISED STEEL CHUTE LAYOUT
PENETRATION SET-OUT
SCALE 1:20



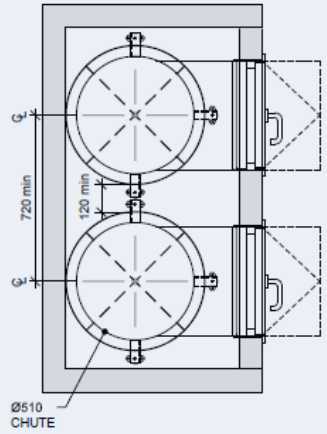
DUAL (510Ø) GALVANISED STEEL CHUTE LAYOUT
SCALE 1:20



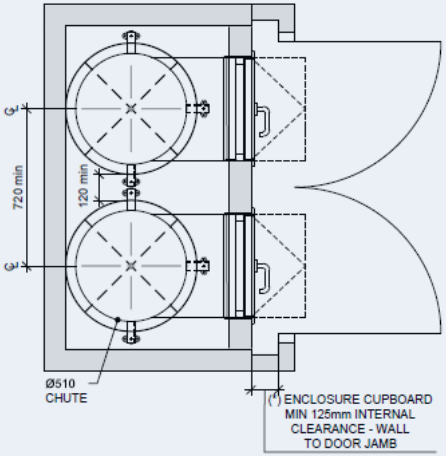
DUAL (510Ø) GALVANISED STEEL CHUTE LAYOUT
with ENCLOSURE CUPBOARD (*)



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



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



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

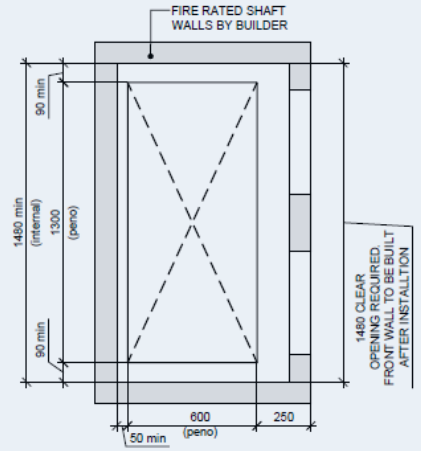
NOTE: ENCLOSURES ARE RECOMMENDED IF THE CHUTE OPENS DIRECTLY TO A CORRIDOR OR IS NOT LOCATED IN A WASTE ROOM. IF CHUTE ACCESS IS WITHIN A WASTE ROOM THEN THE CUPBOARD ENCLOSURES ARE NOT REQUIRED.

Appendix C

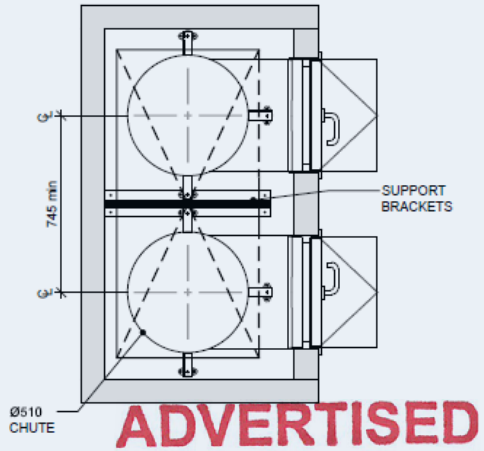
Closed Loop Composter Specification

Chute Solutions.™
an Elephants Foot Company

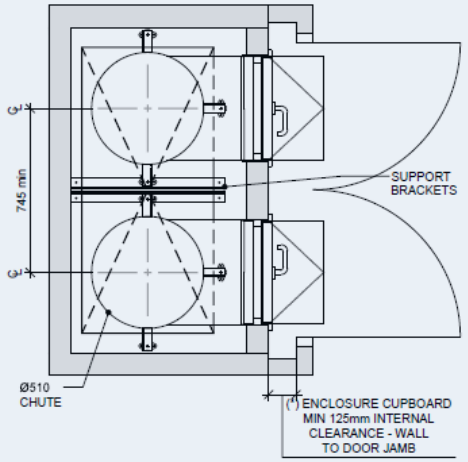
Dual 510mm Setout



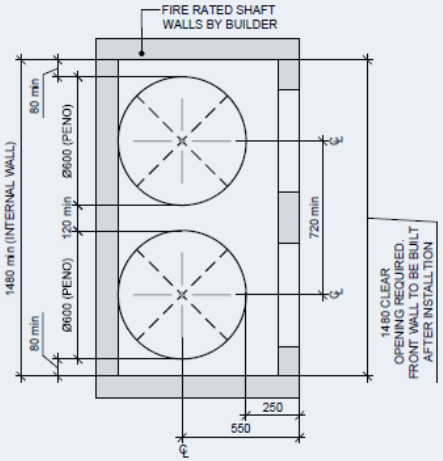
DUAL (510Ø) GALVANISED STEEL CHUTE LAYOUT
PENETRATION SET-OUT
SCALE 1:20



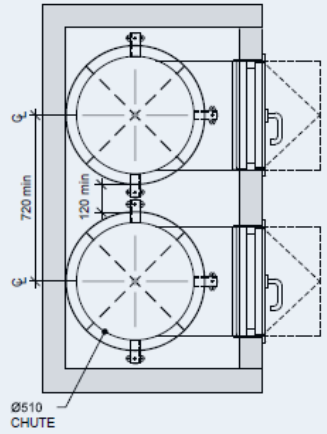
DUAL (510Ø) GALVANISED STEEL CHUTE LAYOUT
SCALE 1:20



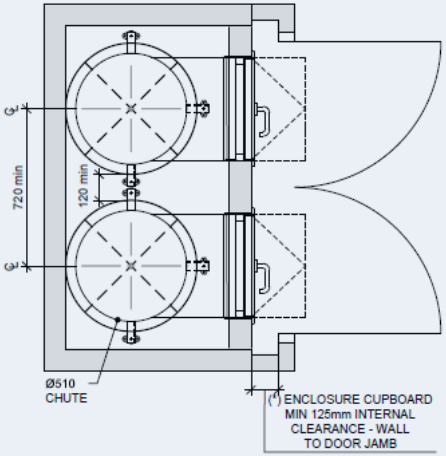
DUAL (510Ø) GALVANISED STEEL CHUTE LAYOUT
with ENCLOSURE CUPBOARD (*)



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



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



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

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.

CLOSED LOOP

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

Reduce your food waste today

Height: 1030mm

Width: 1160mm

Depth: 620mm

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-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

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)

Height: 1580mm

Width: 3040mm

Depth: 1250mm

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

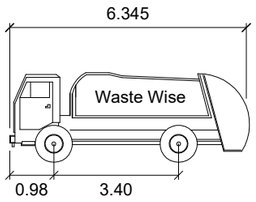
Appendix D

Swept Path Diagrams

VEHICLE PROFILE

VEHICLE USED IN SIMULATION

(VEHICLE SPEED - 5KM/H)



Waste Wise Mini (Hino 300)

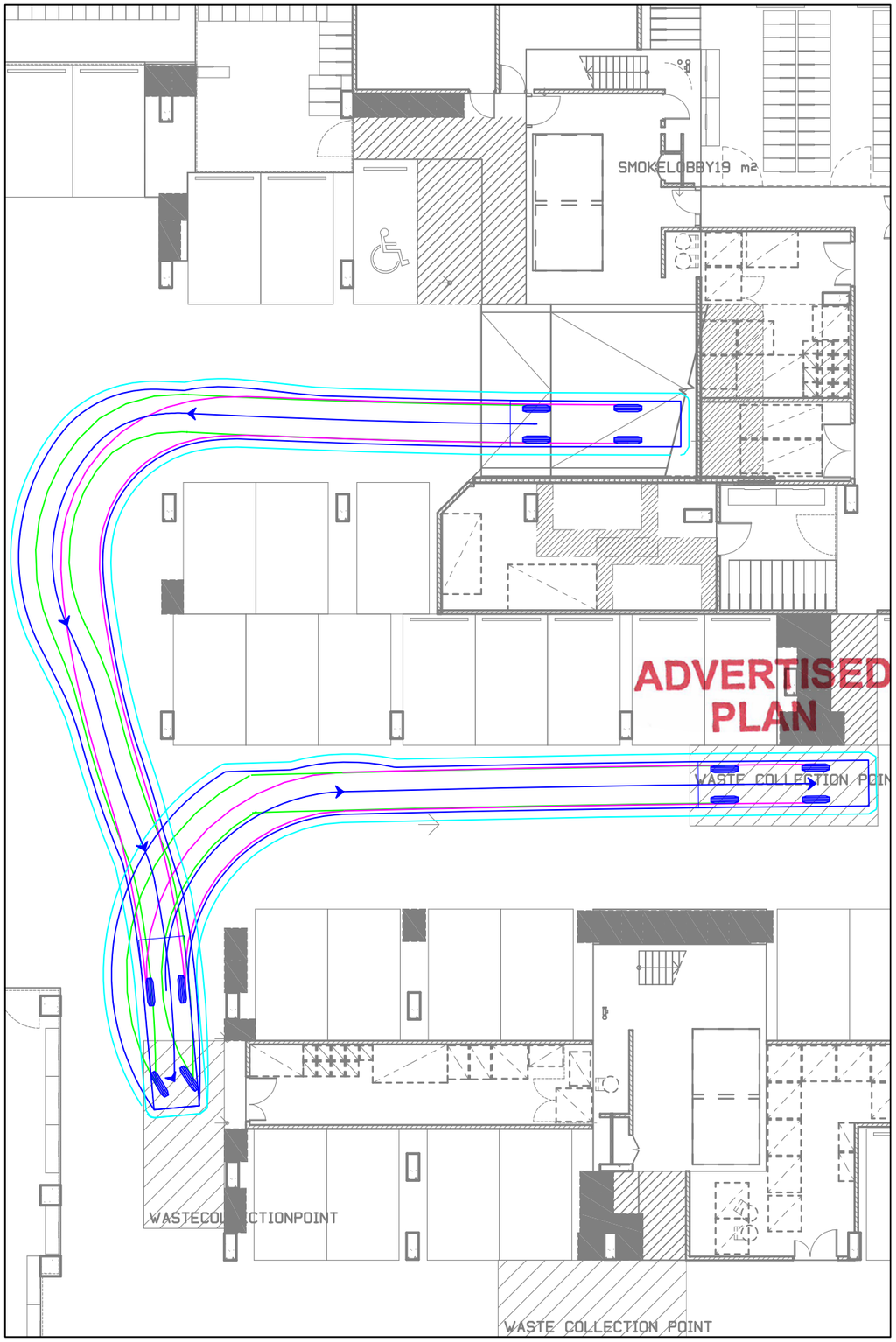
Width	: 1.7m
Front Track	: 1.4m
Rear Track	: 1.44m
Kerb to Kerb Radius	: 12.4m

LEGEND

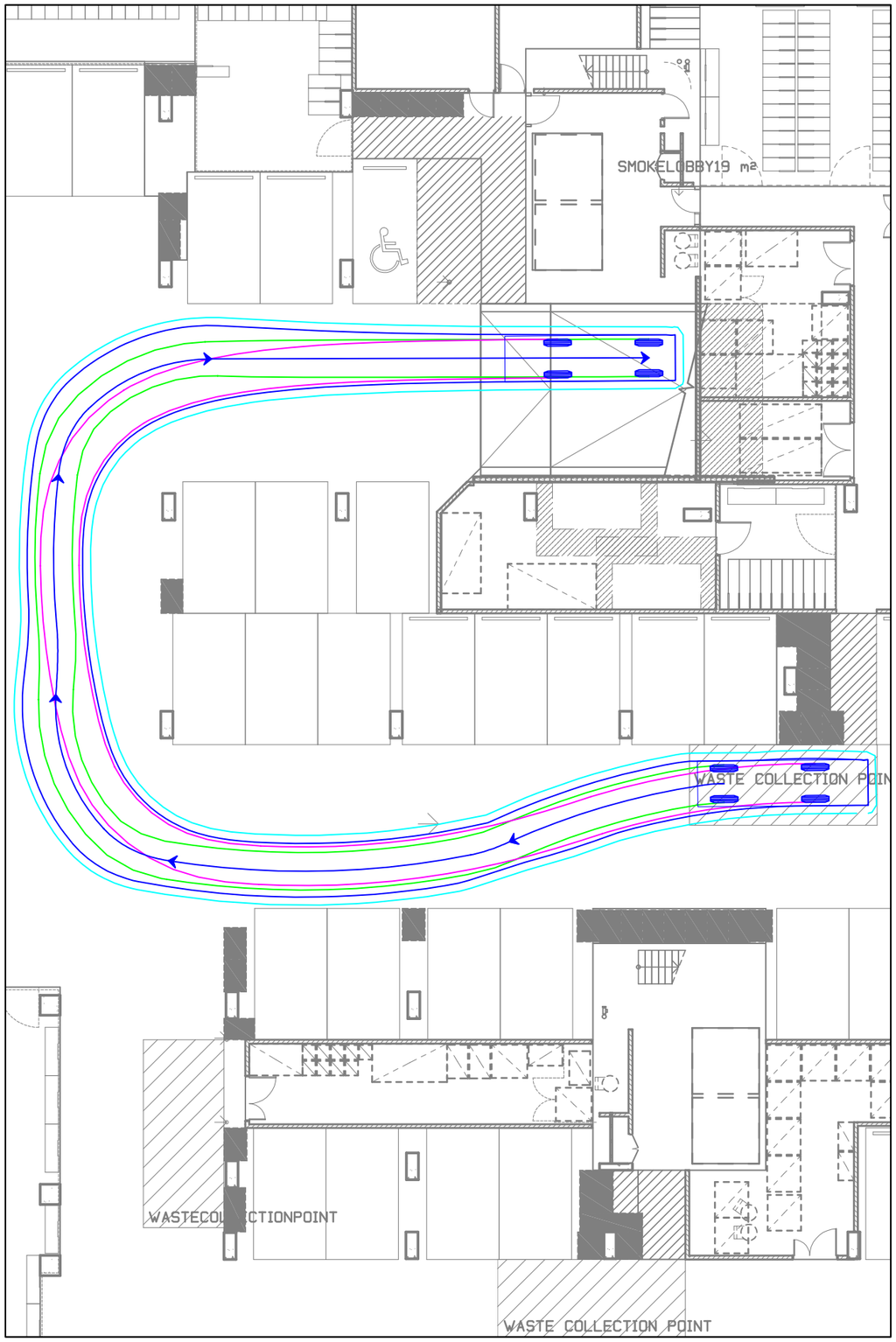
REAR WHEELS — VEHICLE BODY

FRONT WHEELS — BODY CLEARANCE

WASTE TRUCK IN BUILDING 1 - INGRESS



WASTE TRUCK IN BUILDING 1 - EGRESS



REV	DATE	NOTES	DESIGNED BY	CHECKED BY
A	30/05/2023	TOWN PLANNING	D. NEGI	C. ROCHE
B	24/11/2023	FOR ENDORSEMENT	D. NEGI	C. ROCHE
C	15/04/2024	TP AMENDMENT	E. O'FARRELL	T. AMANATIDIS
D	25/10/2024	TP AMENDMENT	N. MCCAFFREY	T. AMANATIDIS
E	12/11/2024	TP AMENDMENT	N. MCCAFFREY	T. AMANATIDIS

342-348 VICTORIA STREET, BRUNSWICK

PROPOSED MIXED USE DEVELOPMENT

GENERAL NOTES:

BASE PLANS PREPARED BY FIELDWORK
DATED NOVEMBER 2024

FILE NAME: G32742

SHEET NO.: 01

SCALE: 1:200 (A3)

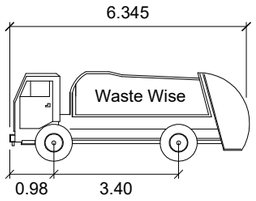
0 2 4

Traffix Group
Level 28, 459 Collins St, MELBOURNE VIC 3000
T: (03) 9822 2888
www.traffixgroup.com.au

VEHICLE PROFILE

VEHICLE USED IN SIMULATION

(VEHICLE SPEED - 5KM/H)



Waste Wise Mini (Hino 300)

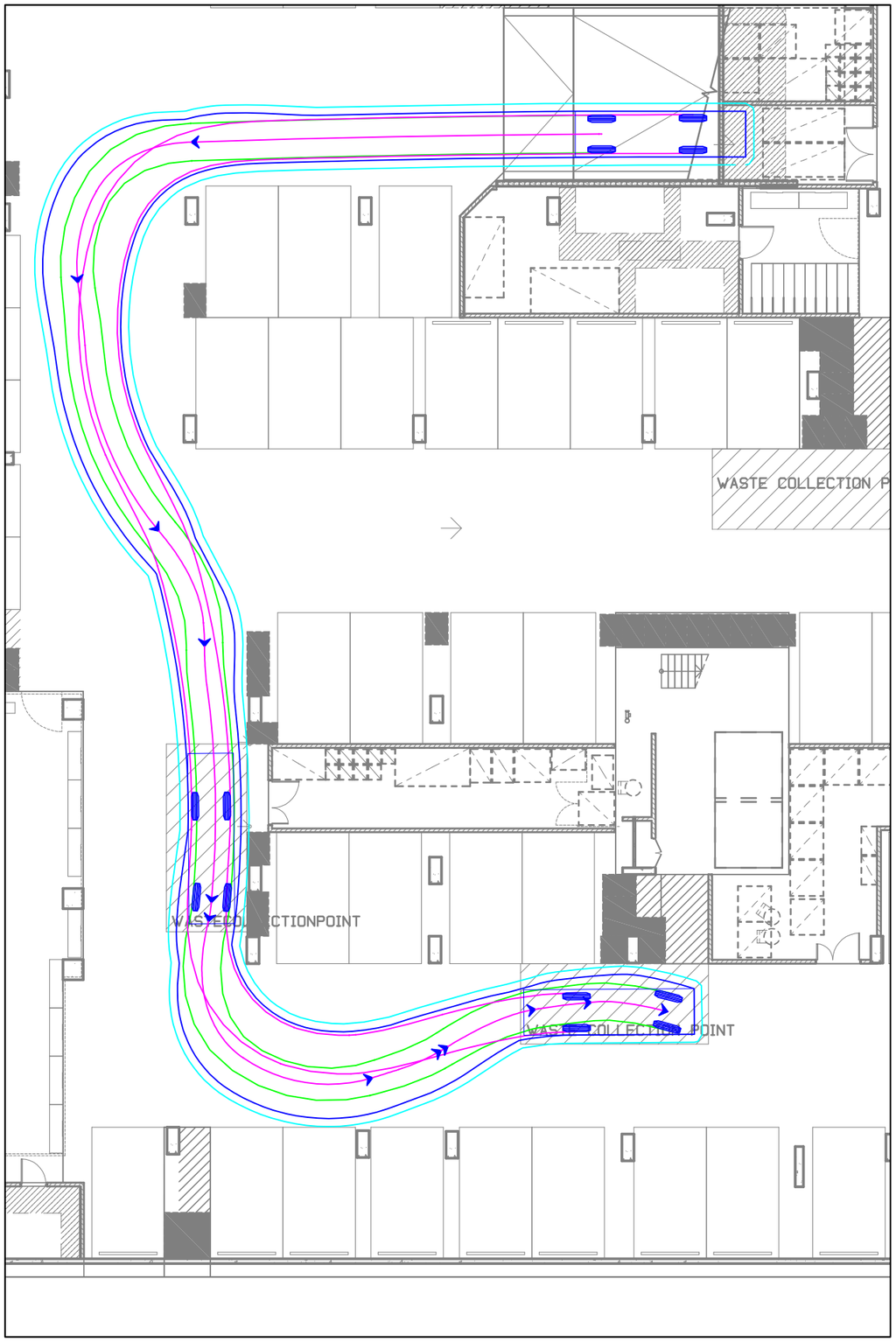
Width	: 1.7m
Front Track	: 1.4m
Rear Track	: 1.44m
Kerb to Kerb Radius	: 12.4m

LEGEND

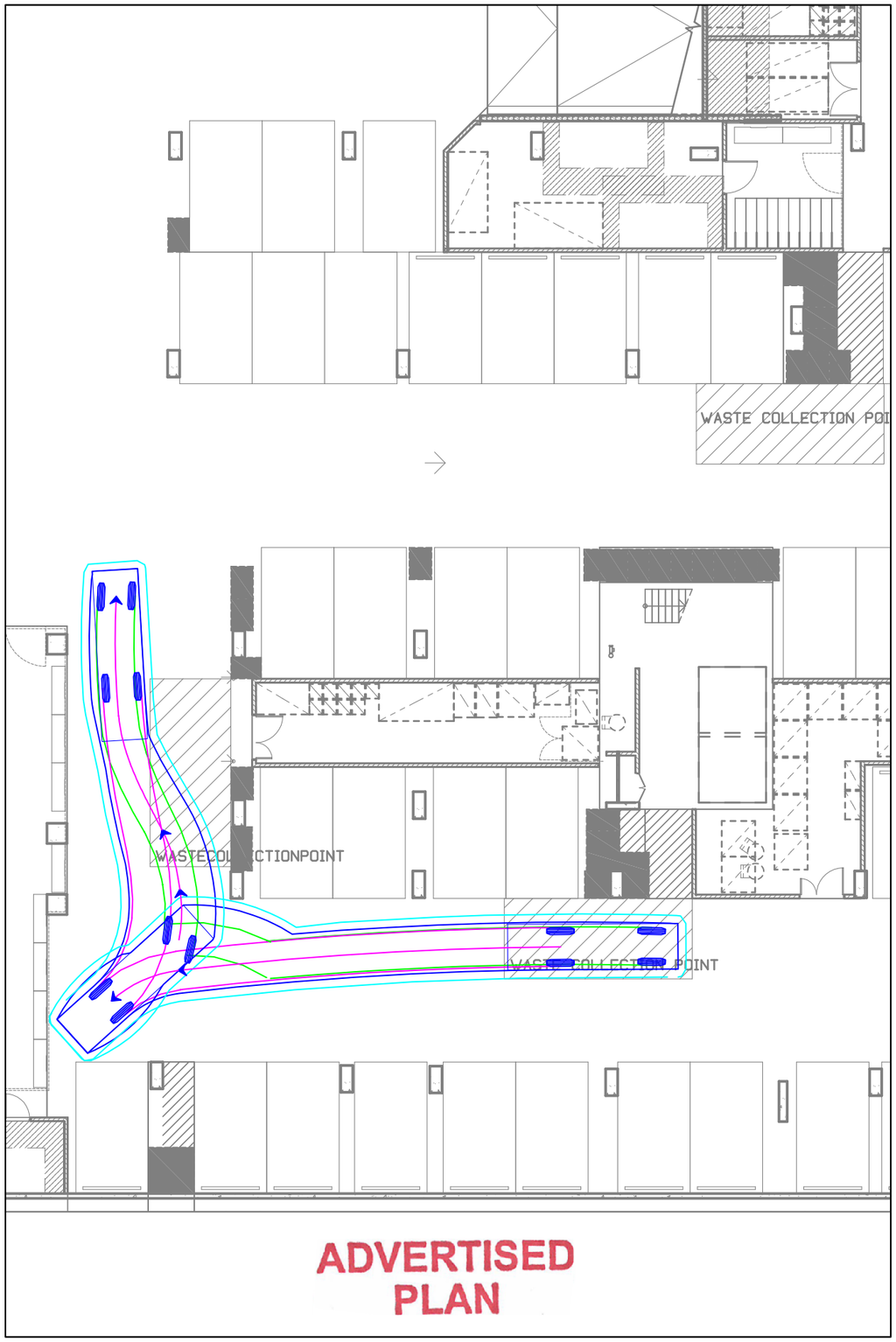
REAR WHEELS — VEHICLE BODY

FRONT WHEELS — BODY CLEARANCE

WASTE TRUCK IN BUILDING 2 - INGRESS



WASTE TRUCK IN BUILDING 2 - EGRESS



ADVERTISED PLAN

REV	DATE	NOTES	DESIGNED BY	CHECKED BY
A	30/05/2023	TOWN PLANNING	D. NEGI	C. ROCHE
B	24/11/2023	FOR ENDORSEMENT	D. NEGI	C. ROCHE
C	15/04/2024	TP AMENDMENT	E. O'FARRELL	T. AMANATIDIS
D	25/10/2024	TP AMENDMENT	N. MCCAFFREY	T. AMANATIDIS
E	12/11/2024	TP AMENDMENT	N. MCCAFFREY	T. AMANATIDIS

342-348 VICTORIA STREET, BRUNSWICK

PROPOSED MIXED USE DEVELOPMENT

GENERAL NOTES:

BASE PLANS PREPARED BY FIELDWORK DATED NOVEMBER 2024

FILE NAME: G32742

SHEET NO.: 02

SCALE: 1:200 (A3)

0 2 4

Traffix Group

Level 28, 459 Collins St, MELBOURNE VIC 3000

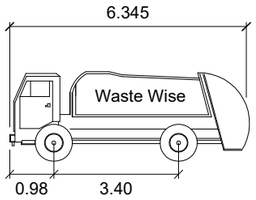
T: (03) 9822 2888

www.traffixgroup.com.au

VEHICLE PROFILE

VEHICLE USED IN SIMULATION

(VEHICLE SPEED - 5KM/H)



Waste Wise Mini (Hino 300)

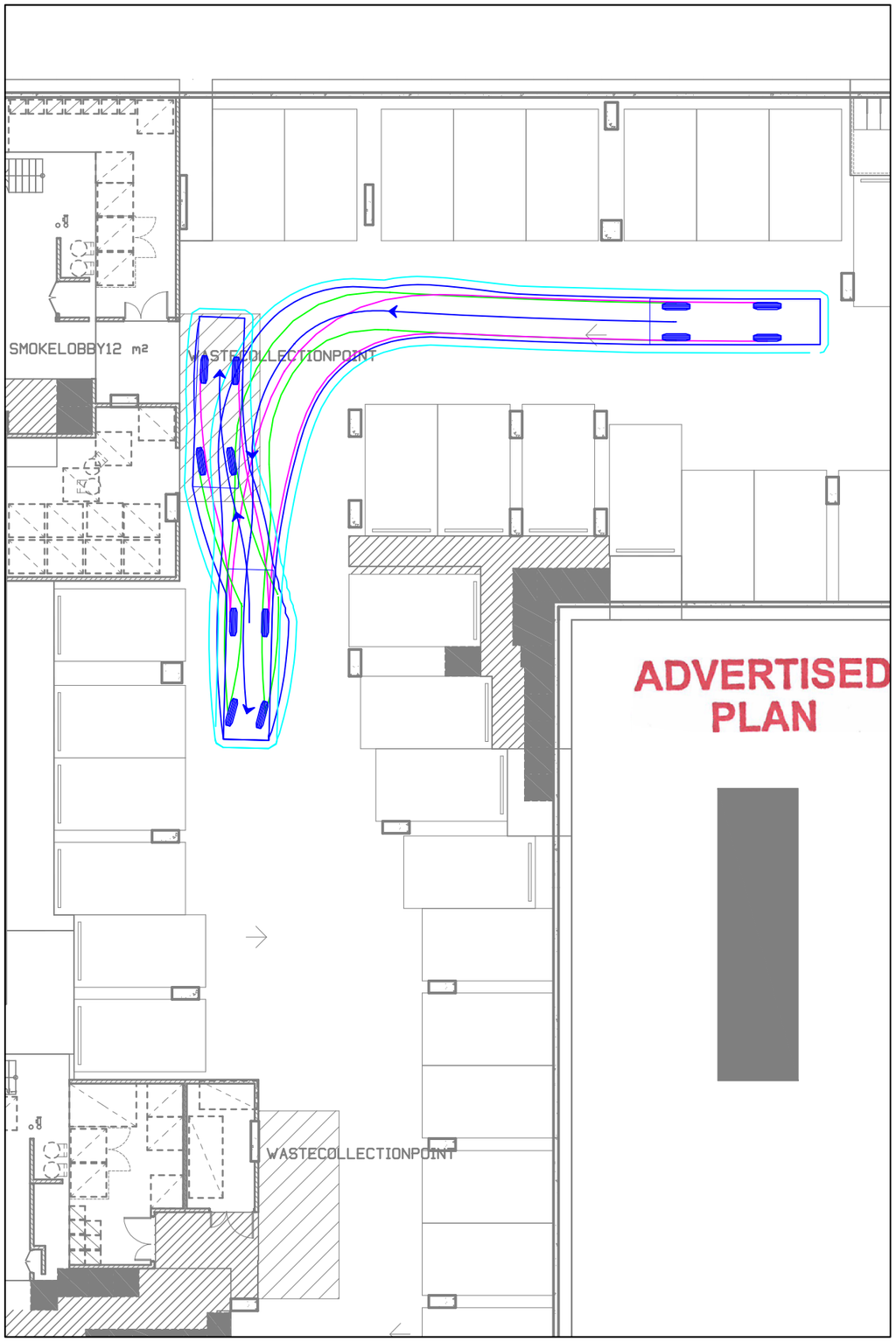
Width	: 1.7m
Front Track	: 1.4m
Rear Track	: 1.44m
Kerb to Kerb Radius	: 12.4m

LEGEND

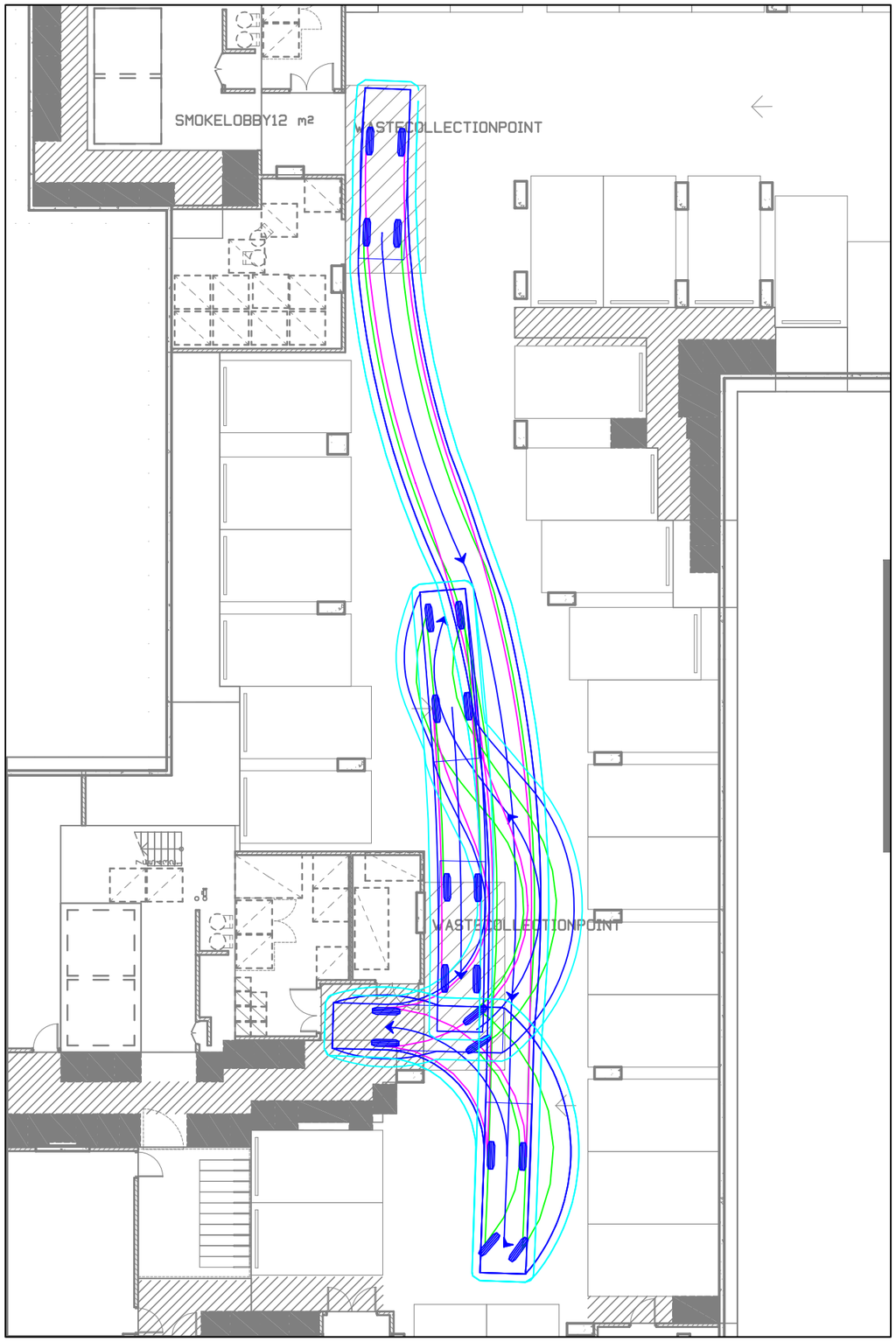
REAR WHEELS — VEHICLE BODY

FRONT WHEELS — BODY CLEARANCE

WASTE TRUCK IN BUILDING 4



WASTE TRUCK IN BUILDING 3



REV	DATE	NOTES	DESIGNED BY	CHECKED BY
A	30/05/2023	TOWN PLANNING	D. NEGI	C. ROCHE
B	24/11/2023	FOR ENDORSEMENT	D. NEGI	C. ROCHE
C	15/04/2024	TP AMENDMENT	E. O'FARRELL	T. AMANATIDIS
D	25/10/2024	TP AMENDMENT	N. MCCAFFREY	T. AMANATIDIS
E	12/11/2024	TP AMENDMENT	N. MCCAFFREY	T. AMANATIDIS

342-348 VICTORIA STREET, BRUNSWICK

PROPOSED MIXED USE DEVELOPMENT

GENERAL NOTES:

BASE PLANS PREPARED BY FIELDWORK DATED NOVEMBER 2024

FILE NAME: G32742

SHEET NO.: 03

SCALE: 1:200 (A3)

0 2 4

Traffix Group

Level 28, 459 Collins St, MELBOURNE VIC 3000

T: (03) 9822 2888

www.traffixgroup.com.au