

Client  
Woolworths Group

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Planning

Transport

Urban Design

Waste Management

Landscape Architecture

Civil Engineering

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# Waste Management Plan

## Woolworths Strathfieldsaye

11-23 Apsley Street, 19-23  
Apsley Lane and 39 Blucher  
Street, Strathfieldsaye VIC

**ADVERTISED  
PLAN**

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# ratio:

**Project**  
11-23 Apsley Street, 19-23 Apsley Lane  
and 39 Blucher Street, Strathfieldsaye  
VIC

**Prepared for**  
Woolworths Group  
**Our reference**  
22929W-R02F01

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### **Acknowledgement of Country**

We acknowledge the Traditional Owners of the land we work, live and travel on, and appreciate the rich cultures of the Aboriginal and Torres Strait Islander Peoples and their enduring connection to country.

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Appendix B - Waste Management Equipment Specifications

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Appendix C - Swept Path Assessment

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# 1. Introduction

## 1.1. Proposal Overview

Ratio Consultants (Ratio) has been engaged by the Applicant to provide waste management services for the proposed Woolworths Supermarket and associated specialty retail tenancies on the land at 11-23 Apsley Street, 19-23 Apsley Lane and 39 Blucher Street in Strathfieldsaye, VIC.

## 1.2. Waste Management Plan Scope

As outlined above, the proposal consists of the following elements relevant to the required Waste Management Plan are the following:

- Woolworths Supermarket
- 3 x Specialty Retail tenancies

Refer to *Appendix A – Plans Assessed* for a copy of the architectural plans reviewed in the preparation of this Waste Management Plan.

Waste management arrangements during the construction and fit-out stages of the tenancies described above, and on-going monitoring of the waste management arrangements for these tenancies following the commencement of its operation, are outside the scope of this Waste Management Plan.

### 1.3. Overall Site Location

Figure 1.1 below shows an aerial view of the overall site's location relative to its immediate surroundings.

Figure 1.1: Overall Site Location



Source: Landchecker

## 1.4. Overall Site Layout

The proposed layout for the overall site is shown in Figure 1.2 below, with the full PDF plan provided in Appendix A.

Figure 1.2: Overall Site Layout



Source: Nettleton Tribe

## 1.5. Applicable Standards and References

Relevant policies and guidelines considered in the preparation of this Waste Management Plan include:

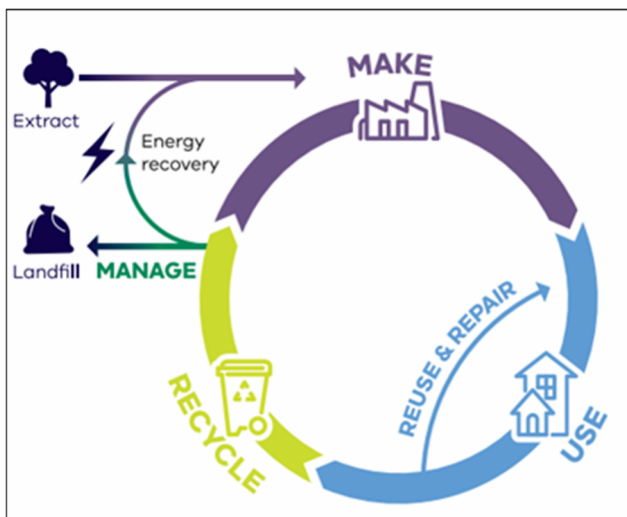
- Australian Government – National Waste Policy: Less Waste, More Resources (2018).
- Australian Standards:
  - AS 4123.1-7 (Mobile Waste Containers).
  - AS 1668.2 (Odour).
  - AS 2890.2 (Parking Facilities).
  - AS 5377:2013 (E-waste).
  - AS 4736-2006 & AS 5810-2010 (Biodegradable plastics).
  - AS 4564-2012 (Composts).
  - AS 1319 (Safety signs).
- Environment Protection Act 2017.
- Environment Protection Regulations 2021.
- Victorian Government – Recycling Victoria: A New Economy (2020).
- Sustainability Victoria – Better Practice Guide for Waste Management and Recycling in Multi-Unit Developments (2019).
- EPA Victoria – Noise Control Guidelines (2021).

## 2. Operational Waste Management Guide

### 2.1. Recycling Victoria: A new economy

Victoria is on a path towards a 'circular economy', whereby residents and businesses are encouraged to keep valuable materials in use for as long as possible and to avoid waste generation as a priority. An example of the principles of the circular economy is displayed in Figure 2.1 below.

Figure 2.1: The Circular Economy



Source: Recycling Victoria: A New Economy

The Government's *Recycling Victoria: A New Economy* (2020) sets out strategies to reduce the amount of waste generated in Victoria and increase materials for recycling and reprocessing.

Ongoing education and dedicated management services are critical factors to encouraging users to access the services and systems as intended. This includes promoting the above strategy where practicable and encouraging users to participate in minimising the impact of waste on the environment.

Therefore, supporting operators to participate in the circular economy and encouraging waste as a last rather than a first resort, through clever design of the waste and recycling systems, should be given due consideration.

Establishing waste reduction and recycling targets, periodic audits, proper record keeping of waste streams and ongoing monitoring the quantity of recyclables is an important means of understanding your waste profile and progress over time. Audit results should be shared with relevant staff, to raise awareness and encourage further reductions in waste wherever possible.

## 2.2. Waste Stream Separation Requirements

To increase resource recovery rates, the development shall separate waste/resources into the following streams:

- General waste
- Organics (food waste)
- Commingled recycling
- Paper/cardboard
- Hard waste
- E-waste

## 2.3. Waste Stream Separation and Disposal Methodology

To ensure staff are aware of their responsibilities regarding waste management, the Operators for each tenancy shall provide an information package to staff that includes the following information:

- A copy of this Waste Management Plan.
- Methods and techniques for waste reduction and minimisation.
- Information regarding waste collection days and requirements.
- Staff responsibilities regarding bin usage, storage, and collection.
- Staff responsibilities regarding litter and waste removal from the common property.

Waste receptacles and bin stations (internal and external) shall be clearly signed to inform users of correct waste separation and disposal practices (refer to Sections 6.2 and 6.3 for further details).

## 2.4. Waste Management Methodology

The proposed disposal methodology for each waste stream expected to be generated within the relevant tenancies is outlined as follows:

### General Waste

- General waste shall be temporarily stored within dedicated general waste receptacles, provided within areas expected to generate general waste (to be sourced by each Operator).
- Full general waste receptacles shall be transferred to the designated waste storage area and emptied into the skip/bulk general waste collection bin (to be provided by the engaged waste collection contractor).
- General waste must be placed within tied plastic bags prior to being placed into the skip/bulk general waste collection bin.

### Organics

- Organics shall be temporarily stored within dedicated organics receptacles, provided within areas within tenancies expected to generate organics (to be sourced by each Operator).
- Full organics receptacles shall be transferred to the designated waste storage area and emptied into the skip/wheelie organics collection bin (to be provided by the engaged waste collection contractor).

- Organics must be unbagged or placed within contractor-approved compostable bags (AS 4736-2006), subject to contractor approval, prior to being placed into the skip/wheelie organics collection bin.

### Commingled Recycling

- Commingled recycling shall be temporarily stored within dedicated commingled recycling receptacles, provided within areas expected to generate commingled recycling (to be sourced by each Operator).
- Full recycling receptacles shall be transferred to the designated waste storage area and emptied into the skip/bulk commingled recycling collection bin (to be provided by the engaged waste collection contractor).
- Bottles, cans, and containers must be rinsed, and lids/packaging separated as per the Australasian Recycling Label instructions (visit: <https://recyclingnearyou.com.au/arl/>), prior to being placed into the skip/bulk commingled recycling collection bin.
- Commingled recycling must be loose and unbagged prior to being placed into the skip/bulk commingled recycling collection bin.

### Paper/Cardboard

- Clean paper/cardboard (smaller items) shall be temporarily stored within dedicated paper/cardboard receptacles, provided within areas expected to generate paper/cardboard (to be sourced by each Operator).
- Full paper/cardboard receptacles shall be emptied directly into the designated paper/cardboard bulk paper/cardboard bulk bin or the stationary auger compactor (to be provided by the engaged waste collection contractor).
- If cardboard items are too large to be temporarily stored within the abovementioned receptacles, they shall be placed straight into the bulk collection bin or the stationary auger compactor.
- Paper/cardboard must be loose and unbagged prior to being placed into the paper/cardboard collection bin or the stationary auger compactor.

## 2.5. Hard Waste & E-Waste

- A dedicated storage area shall be available within the designated waste storage area or loading dock area to allow for the storage and collection of hard waste and e-waste items.
- Each Operator shall arrange for hard waste and e-waste to be collected by a private contractor on an as-required basis.
- E-waste is prohibited under Victorian state law to be disposed of in landfill.

## 2.6. Litter Management Strategy

The following litter management strategy shall be implemented by each Operator:

- Operators shall be responsible for engaging a cleaning contractor as part of the waste management strategy to service all public areas associated with the Woolworths Supermarket and Specialty Retail Tenancies on a daily basis, through sweeping and removal of litter to prevent stormwater pollution.
- Public litter bins (120-litre recommended) shall be installed at appropriate locations within the external areas of the Woolworths Supermarket and the Specialty Retail Tenancies, where pedestrian presence is expected, for the disposal of general waste and recycling. The public litter bins shall be located within walking distance of possible origins of litter and shall be easily accessible to the public.

- It is recommended that all public litter bins provided have appropriate weather and abrasion resistance signage and are secured to avoid illegal dumping.
- Signage shall be installed within internal and external public areas advising patrons to not litter and to use the public litter bins provided.
- An appointed private contractor shall be responsible for collecting the public litter bins directly from their storage location.

## 2.7. Waste Minimisation Strategies

The Operators of each tenancy are encouraged to reduce their waste output by adopting the below practices, where practical:

- Avoid over-buying of stock.
- Store food correctly.
- Donate unused stock.
- Discount slightly damaged products.
- Stock and sell environmentally friendly products (e.g., compostable cutlery, plates and coffee cups).
- Avoid stocking products with single-use plastic packaging.
- Return pallets and other packaging materials to suppliers.
- Engage suppliers that use more sustainable packaging.
- Store files digitally.
- Consider going paperless in staff and admin areas.
- Minimise printing where possible and print double-sided.
- Recycle electronic equipment.
- No paper towel provided within staff and public restrooms and changerooms (i.e. providing hand-dryers only).
- Purchase toilet paper that is wrapped in sustainable packaging for staff and public restrooms and changerooms (i.e. paper not plastic).
- Separate soft plastics from the general waste stream and arrange for a soft plastics recycling company to collect.

## 2.8. Operator Waste Management Responsibilities

### General

The Operators of each tenancy shall be responsible for the following:

- Ensuring that the waste storage areas and associated equipment and components are provided in accordance with the requirements outlined in Section 6.1.
- Ongoing maintenance of the waste storage areas and associated equipment and components.
- Engaging appropriate contractors to conduct services, replacements, or upgrades, as required.
- Engaging and managing the waste collection contractor/s.
- Ensuring bins / compactors are prepared for collection prior to collection vehicle arrival.
- Informing staff that bagged commingled recycling and paper/cardboard is not permitted.

- Servicing public areas through sweeping and removal of litter on a regular basis to prevent stormwater pollution.
- Informing staff that bagged commingled recycling and paper/cardboard is not permitted.
- Securing bins and labelling/numbering bins to prevent theft and vandalism of bins.
- Servicing public areas through sweeping and removal of litter on a regular basis to prevent stormwater pollution.
- Ensuring only trained personnel operate compactors (where applicable).
- Keeping bin lids closed to prevent pests and vermin from accessing the bins / bins overfilling.
- Ensuring that bins are not removed from the designated waste storage area.

## Education

Site Management shall ensure that all staff are informed about the waste management system, including the location of their designated waste storage area. It is recommended that this Waste Management Plan is electronically distributed to all relevant staff.

## 2.9. Waste Management Plan Revisions

From time to time, due to changes in legislative requirements, changes in the development's needs and/or waste patterns (such as waste composition, volume, or distribution), or to address unforeseen operational issues, the Operators shall be responsible for coordinating the necessary Waste Management Plan revisions, including (on an as-required basis):

- A waste audit and new waste management strategy.
- Revision of the waste system (bin size / quantity / waste streams / collection frequency / update of equipment).
- Revision of the services provided by the waste collection contractor(s).
- Re-education of users.
- Any necessary statutory / regulatory requirements / approvals.

# 3. Waste Volume Details

## 3.1. Waste Volume Assessment – Woolworths Supermarket

To determine estimates of the waste volumes expected to be generated within 'Woolworths Supermarket', the following waste generation rates have been adopted, which have been derived from waste management arrangements observed at similar-sized major brand supermarkets throughout Victoria:

- General waste: 230 L/100m<sup>2</sup> floor area/week
- Organics: 150 L/100m<sup>2</sup> floor area/week
- Paper/cardboard: 380 L/100m<sup>2</sup> floor area/week

The above waste generation rates are considered more accurate than the rates for supermarkets specified within Sustainability Victoria's 'Waste Management and Recycling in Multi-Unit Developments: Better Practice Guide' and allow for increased waste separation.

Note: the above waste generation rates are **per week** (not per day).

### 3.2. Waste Volume Estimates – Woolworths Supermarket

Adopting the waste generation rates outlined in Section 3.1 above, the waste volume estimates for the proposed Woolworths Supermarket are outlined in Table 3.1 below.

Table 3.1: Woolworths Supermarket – Waste Stream Volume Estimates

Waste Source	Floor Area (m <sup>2</sup> )	General Waste Generation Rate (L/100m <sup>2</sup> /week)	General Waste Volume (L/Week)	Organics Generation Rate (L/100m <sup>2</sup> /week)	Organics Volume (L/Week)	Paper/Cardboard Generation Rate (L/100m <sup>2</sup> /week)	Paper/Cardboard Volume (L/Week)
Woolworths Supermarket	3,325	260	8,740	180	5,985	450	14,963

### 3.3. Waste Volume Assessment – Specialty Retail Tenancies

To determine estimates of the waste volumes expected to be generated within the specialty retail tenancies, the following waste generation rates have been adopted, which have been established in Sustainability Victoria’s ‘Waste Management and Recycling in Multi-Unit Developments: Better Practice Guide’ relevant to the development:

Table 3.2: Waste Generation Rates Adopted

Use	Assessed As	General Waste Generation Rate	Recycling Generation Rate
Specialty Retail Tenancy (Food & Drinks)	Café	300 L/100m <sup>2</sup> /day	200 L/100m <sup>2</sup> /day
Specialty Retail Tenancy (Non-Food)	Retail (non-food)	50 L/100m <sup>2</sup> /day	50 L/100m <sup>2</sup> /day

Applying the above waste generation rates with modification to allow for the separation of organics from general waste and paper/cardboard from recycling, the waste generation estimates for the development are outlined in Tables 3.3 and 3.3 below.

### 3.4. Waste Volume Estimates – Specialty Retail Tenancies

Adopting the waste generation rates outlined in Section 3.3 above, the waste volume estimates for the proposed a are outlined in Tables 3.3 and 3.4 below.

Table 3.3: Specialty Retail Tenancies - General Waste & Organics Volume Estimates

Waste Source	Floor Area (m <sup>2</sup> )	Operational Days/Week	General Waste Generation Rate (L/100m <sup>2</sup> /day)	General Waste Volume (L/Week)	Organics Generation Rate (L/100m <sup>2</sup> /day)	Organics Volume (L/Week)
S/R Tenancy 1	260	7	240	4,368	60	1,092
S/R Tenancy 2	219	7	240	3,679	60	920
S/R Tenancy 3	361	7	40	1,011	10	253
S/R Tenancy 4	93	7	40	260	10	65
<b>Total</b>	<b>933</b>	-	-	<b>9,318</b>	-	<b>2,330</b>

Table 3.4: Specialty Retail Tenancies - Commingled Recycling & Paper/Cardboard Volume Estimates

Waste Source	Floor Area (m <sup>2</sup> )	Operational Days/Week	Recycling Generation Rate (L/100m <sup>2</sup> /day)	Recycling Volume (L/Week)	Paper/Cardboard Generation Rate (L/100m <sup>2</sup> /day)	Paper/Cardboard Volume (L/Week)
S/R Tenancy 1	260	7	60	1,092	140	2,548
S/R Tenancy 2	219	7	60	920	140	2,146
S/R Tenancy 3	361	7	15	379	35	884
S/R Tenancy 4	93	7	15	98	35	228
<b>Total</b>	<b>933</b>	-	-	<b>2,489</b>	-	<b>5,807</b>

# 4. Waste Storage and Equipment Details

## 4.1. Woolworths Supermarket - Waste Storage and Equipment Requirements

The waste equipment and storage requirements for the 'Woolworths Supermarket' are outlined in Table 4.1 below.

Table 4.1: Supermarket 3 - Waste Storage and Equipment Requirements

Waste Stream	Equipment	Quantity	Height per bin (mm)	Width per bin (mm)	Depth per bin (mm)	Footprint (m <sup>2</sup> )
General waste	3 m <sup>3</sup> front-lift bin	1	1,225	1,805	1,505	2.72
Organics	3 m <sup>3</sup> front-lift bin	1	1,225	1,805	1,505	2.72
Paper/cardboard	Stationary auger compactor with 38 m <sup>3</sup> hook-lift bin <sup>1</sup>	1	2,790	2,602	9,002	18.22
<b>Total Footprint (m<sup>2</sup>):</b>						<b>23.16</b>

<sup>1</sup> Refer to Appendix B for specifications of a suitable stationary auger compactor with associated hook-lift bin.

## 4.2. Woolworths Supermarket - Waste Equipment Location and Layout

The proposed location and layout of the general waste and organics front-lift bins and stationary auger compactor with associated hook-lift bin for 'Woolworths Supermarket' is shown in Figure 4.1 below.

Figure 4.1: Woolworths Supermarket - Waste Equipment Location and Layout



### 4.3. Specialty Retail Tenancies - Waste Equipment and Storage Requirements

The waste equipment and storage requirements for the ‘Specialty Retail Tenancies’ are outlined in Table 4.1 below.

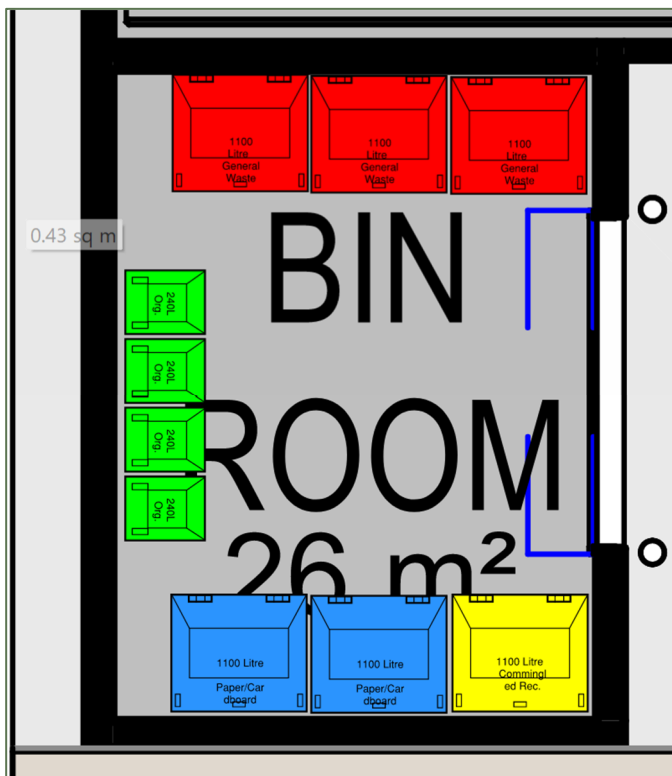
Table 4.1: Specialty Retail Tenancies - Waste Equipment and Storage Requirements

Waste Stream	Equipment	Quantity	Height per bin (mm)	Width per bin (mm)	Depth per bin (mm)	Footprint (m <sup>2</sup> )
General waste	1,100L bin	3	1,330	1,240	1,070	3.98
Organics	240L bin	4	1,060	585	730	1.71
Recycling	1,100L bin	1	1,330	1,240	1,070	1.33
Paper & cardboard	1,100L bin	2	1,330	1,240	1,070	2.65
<b>Total Footprint (m<sup>2</sup>):</b>						<b>9.67</b>

### 4.4. Specialty Retail Tenancies - Waste Equipment Location and Layout

The proposed location and layout of the general waste, organics, and commingled recycling and paper/cardboard collection bins for the ‘Specialty Retail Tenancies’ is shown in Figure 4.2 below.

Figure 4.2: Adjoining Tenancies - Waste Equipment Location and Layout



# 5. Waste Collection Details

## 5.1. Woolworths Supermarket - Waste Collection Requirements

The waste collection requirements for 'Woolworths Supermarket' are outlined in Tables 5.1 below.

Table 5.1: Woolworths Supermarket - Waste Collection Requirements

Waste Stream	Volume (L/week)	Equipment	Quantity	Collection Frequency <sup>2</sup>	Capacity (m <sup>3</sup> /week)
General waste	8,645 (8.6 m <sup>3</sup> )	3 m <sup>3</sup> front-lift bin	1	Three times per week	9 m <sup>3</sup>
Organics	5,985 (5.9 m <sup>3</sup> )	3 m <sup>3</sup> front-lift bin	1	Twice weekly	6 m <sup>3</sup>
Paper/cardboard	14,963 (14.9 m <sup>3</sup> )	Stationary auger compactor	1	-	-
		38 m <sup>3</sup> hook-lift bin	1	Fortnightly	19 m <sup>3</sup>

## 5.2. Specialty Retail Tenancies - Waste Collection Requirements

The waste collection requirements for the 'Specialty Retail Tenancies' are outlined in Tables 5.2 below.

Table 5.2: Specialty Retail Tenancies - Waste Collection Requirements

Waste Stream	Volume (L/week)	Equipment	Quantity	Collection Frequency	Capacity (L/week)
General waste	9,318 (9.3m <sup>3</sup> )	1.1 m <sup>3</sup> rear-lift bin	3	Three times per week	9,900
Organics	2,330 (2.3m <sup>3</sup> )	240L rear-lift bin	4	Three times per week	2,880
Recycling	2,489 (2.5m <sup>3</sup> )	1.1 m <sup>3</sup> rear-lift bin	1	Three times per week	3,300
Paper & cardboard	5,807 (5.8m <sup>3</sup> )	1.1 m <sup>3</sup> rear-lift bin	2	Three times per week	6,600

<sup>2</sup> The listed waste collection frequencies will be adjusted to match the actual waste volumes generated, to the satisfaction of the responsible authority.

### 5.3. Waste Collection Methodology

- Waste collection for the 'Woolworths Supermarket' and the 'Specialty Retail Tenancies' shall be performed by a private collection contractor from the dedicated loading dock area.
- Waste shall be collected from the loading dock area by the following waste collection vehicles:
  - A 10.2m front-lift vehicles for the Woolworths Supermarket and Specialty Retail Tenancies skip bins (general waste, organics, and paper/cardboard bins).
  - A 9.8m hook-lift vehicle for the Woolworths Supermarket paper/cardboard compactor bin.
  - An 8.8 rear-lift vehicle for the Specialty Retail Tenancies rear lift bin (commingled recycling).
- The Operators shall be responsible for preparing the designated collection bins and compactor bin for collection, prior to the arrival of the private waste collection contractors.
- The private waste collection contractors shall be responsible for collecting the bulk collection bins and compactor bin directly from their storage locations, ensuring to return the equipment to their original positions immediately after collection is complete.
- No bins shall be stored outside of the loading dock area at any time.
- A swept path assessment has been prepared using Autodesk Vehicle Tracking Software, demonstrating that the nominated waste collection vehicles can access the site and loading dock area, conduct waste collection, and exit the loading dock area and site in a forward direction manner. Refer to *Appendix C - Swept Path Assessment*.
- The waste collection contractors, in conjunction with the Operators, shall be responsible for the development of a Safe Work Method Statement (SWMS), to ensure safety is considered for every aspect of the collection procedure.

### 5.4. Waste Collection Time

Waste collection shall be undertaken in accordance with *EPA Noise Control Guidelines* as outlined below:

- Between 6:30am and 8:00pm Monday to Saturday; and
- Between 9:00am and 8:00pm Sunday and public holidays.

Further to the above, waste collection should occur outside of peak operation times to ensure there is no conflict with pedestrians.

# 6. Design Standards

## 6.1. Waste Storage Area Design Requirements

Waste storage areas shall be provided in accordance with the following requirements:

- Designed to comply with Building Code of Australia (BCA) and all relevant Australian Standards.
- Allow storage of all collection bins on site at all times.
- Allow easy access to bins for all waste system users.
- Allow direct and convenient transfer of bins to/from the collection point.
- Appropriately screened to prevent unsightly impacts on amenity.
- Provided with artificial light to enable users to dispose of waste safely and appropriately.
- Sized to accommodate all waste arising on the premises together with any associated waste management equipment.
- Concrete (or similar) floor finished to a smooth, even surface, covered at the intersection of walls and plinths.
- Ventilated in accordance with the requirements of the Building Code of Australia and AS1668.2.
- Ventilation openings protected against flies and vermin.
- Provided with tight-fitting doors.
- Provided with adequate bin washing facilities (wall-mounted hot and cold mixing tap with floor graded to wastewater drain with litter trap) in accordance with the relevant authority requirements.

## 6.2. Bin and Equipment Supplier, Bin Colour and Waste Signage Requirements

### Bin and Equipment Supplier Requirements

Bins and equipment shall be sourced from or provided by a private supplier/contractor.

### Bin Colour Requirements

- All collection bins shall be sourced from a private supplier. The below bin colours are specified by Australian Standard AS 4123.7 2006, however due to the private nature of the collection, these are only recommendations and not mandatory:
- General waste: red lid.
- Organics: lime green or burgundy lid.
- Commingled recycling: yellow lid.
- Paper/cardboard: light blue lid.

## Waste Signage Requirements

Waste storage areas and associated equipment shall be provided with Sustainability Victoria or equivalent signage (visit: <https://assets.sustainability.vic.gov.au/susvic/Guide-Away-from-home-Wastage-Guidelines.pdf>).

### 6.3. Internal Waste Receptacle/Bin Requirements

Internal waste receptacles/bins shall meet the following requirements:

- If internal waste receptacles/bins are to be manually emptied into the bulk collection bins, the internal waste receptacles should be no larger than 60 litres to meet OH&S requirements.
- if internal receptacles/bins are required to be larger than 60 litres, such as MGBs (Mobile Garbage Bins), a bin lifter will need to be provided within the loading dock area to assist staff with emptying the MGBs into the bulk collection bins.

An example of a suitable internal waste receptacle/bin station is provided in Figure 6.1 below.

Figure 6.1: Internal Waste Receptacle/Bin Station Example



Source: WRITE Solutions

# 7. Supplementary Information

## 7.1. Contractor and Suppliers



Table 7.1 below includes a complimentary listing of contractors and equipment suppliers. The Project Principal shall not be obligated to procure goods / services from these companies. Ratio Consultants does not warrant or make representations for the goods / services provided by these contractors and suppliers.

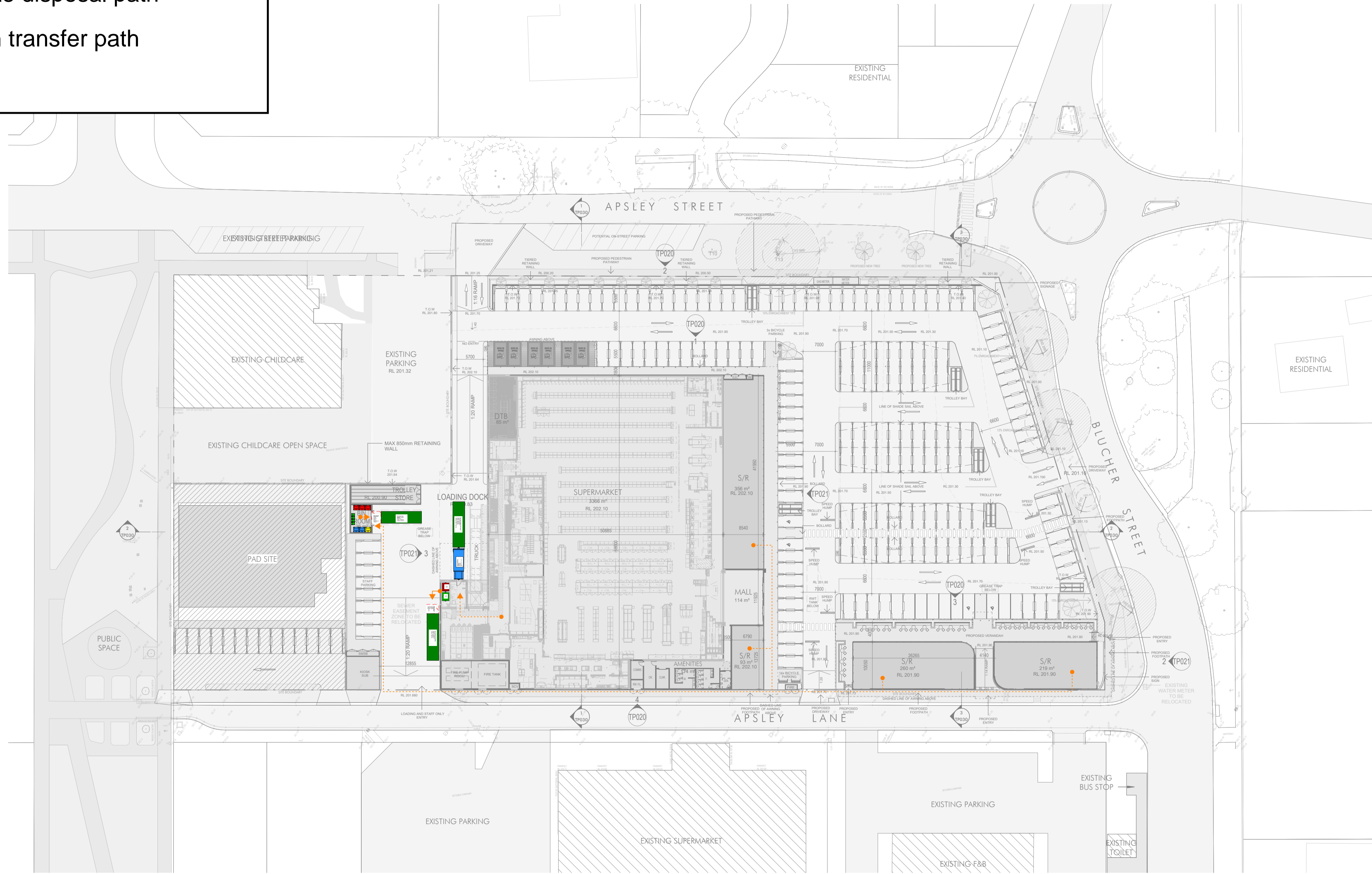
Table 7.1: List of Contractors and Suppliers

Service	Contractor/ Supplier	Phone	Website
Private Waste Collection Contractor	Cleanaway	13 13 39	<a href="http://www.cleanaway.com.au">www.cleanaway.com.au</a>
	CSC Waste & Recycling	1300 499 927	<a href="http://www.cscwaste.com.au">www.cscwaste.com.au</a>
	iDump	1300 443 867	<a href="http://www.idump.com.au">www.idump.com.au</a>
	JJ Richards	03 9794 5722	<a href="http://www.jjrichards.com.au">www.jjrichards.com.au</a>
	Premier Waste	1300 219 001	<a href="http://www.premierwaste.com.au">www.premierwaste.com.au</a>
	Veolia	132 955	<a href="http://www.veolia.com/anz">www.veolia.com/anz</a>
	Wastewise Environmental	1300 550 408	<a href="http://www.wastewise.com.au">www.wastewise.com.au</a>
Bin Supplier	Sulo Australia	1300 364 388	<a href="http://www.sulo.com.au">www.sulo.com.au</a>
Bin Washing	The Bin Butlers	1300 788 123	<a href="http://www.thebinbutlers.com.au">www.thebinbutlers.com.au</a>
	Calcorp Services	1800 225 267	<a href="http://www.calcorpservices.com.au">www.calcorpservices.com.au</a>
	Kerbside Clean-A-Bin	03 9830 7381	<a href="http://www.kerbsidecleanabin-srp.com.au">www.kerbsidecleanabin-srp.com.au</a>
	WBCM Environmental Australia	1300 800 621	<a href="http://www.wbcm-aust.com.au">www.wbcm-aust.com.au</a>
Compactor Supplier	Wastech Engineering	1800 465 465	<a href="http://www.wastech.com.au">www.wastech.com.au</a>
Odour Control	Eco-Safe Technologies	1300 135 039	<a href="http://www.eco-safe.com.au">www.eco-safe.com.au</a>
	WBCM Environmental Australia	1300 800 621	<a href="http://www.wbcm-aust.com.au">www.wbcm-aust.com.au</a>
E-Waste Collection	Tech Collect	1300 229 837	<a href="http://www.techcollect.com.au">www.techcollect.com.au</a>

# Appendix A – Waste Management Drawings

**Waste Transfer Path Legend:**

-  Waste disposal path
-  Bin transfer path



**DEVELOPMENT SUMMARY**

PROPOSED AREA GFA	SITE AREA	PROPOSED FSR
4988m <sup>2</sup>	14642m <sup>2</sup>	0.34:1

**GFA AREA BY USAGE:**

USAGE	LEVEL	AREA
SUPERMARKET	GROUND	3366m <sup>2</sup>
MEZZ BOH	MEZZ	214m <sup>2</sup>
SPECIALTY RETAIL	GROUND	928m <sup>2</sup>
DTB	GROUND	85m <sup>2</sup>
LOADING	GROUND	126m <sup>2</sup>
AMENITIES & MALL	GROUND	228m <sup>2</sup>
BIN ROOM	GROUND	26m <sup>2</sup>
TROLLEY STORE	GROUND	66m <sup>2</sup>
<b>TOTAL</b>		<b>5039m<sup>2</sup></b>

USAGE	LEVEL	AREA
SUPERMARKET	GROUND+MEZZ	3580m <sup>2</sup>
SPECIALTY RETAIL	GROUND	928m <sup>2</sup>
<b>TOTAL</b>		<b>4508m<sup>2</sup></b>

**CAR PARKING:**  
 CAR SPACES REQUIRED:  
 4508m<sup>2</sup> excl. DTB / 100 x 5 = 225 CAR SPACES

**PROPOSED CAR SPACES**

STANDARD	173
DTB	6
ACCESSIBLE	4
STAFF	8
<b>TOTAL PROPOSED</b>	<b>191</b>

**BICYCLE PARKING:**

STAFF	8
VISITOR	9
<b>TOTAL PROPOSED</b>	<b>17</b>

**1 GROUND FLOOR PLAN**  
 TP020 / 1:500

Client: Woolworths Strathfieldsaye  
 4/02/2026 12:42:46 [P:\Projects\2026\114473\Woolworths\STRATHFIELDSAYE\A1\_ARCH.rvt]



Issue	Description	Date
B	ISSUE FOR INFORMATION	04.02.26
A	ISSUE FOR TOWN PLANNING APPLICATION	16.09.25
2	WORK IN PROGRESS	21.09.25
1	DRAFT ISSUE	27.08.25

Builder and/or subcontractors shall verify all project dimensions before commencing on-site work or off-site fabrication. Figured dimensions shall take precedence over scaled dimensions. This drawing is copyright and cannot be reproduced in whole or in part or by any medium without the written permission of Nettleton Tribe Partnership Pty Ltd.

**TOWN PLANNING  
 NOT FOR  
 CONSTRUCTION**

**Project Name**  
**WOOLWORTHS STRATHFIELDSAYE**  
**Project Address**  
**17-23 Apsley Lane & 39 Blucher Street,  
 Strathfieldsaye 3551 VIC.**



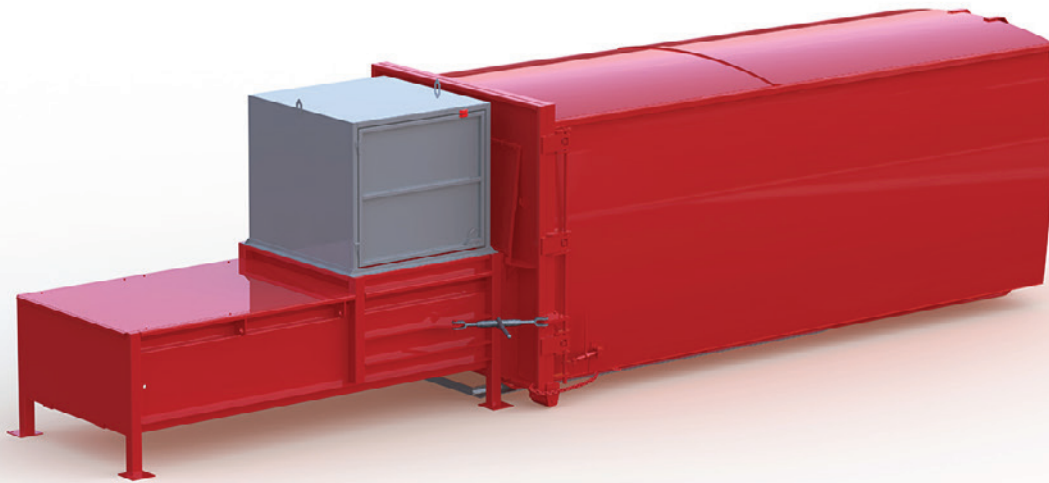
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**Author:** NT  
**Checker:** NT  
**Sheet Size:** A1  
**Drawing Number:**  
**14473\_TP010**

**Scale:**  
**1:500**  
**Issue:**  
**B**

**nettletontribe**  
 nettleton tribe partnership pty ltd ABN 58 161 683 122  
 117 Willoughby Road, Crows Nest, NSW 2065  
 t +61 2 9431 6131  
 e: sydney@nettletontribe.com.au w: nettletontribe.com.au

# Appendix B – Waste Management Equipment Specifications

# S1500 BLADE COMPACTOR



## MEDIUM TO LARGE VOLUMES

The S1500 Stationary Compactor provides compaction and containment of medium to large volumes of general waste, paper, cardboard and other recyclables.

## SUPERIOR COMPACTION FORCES

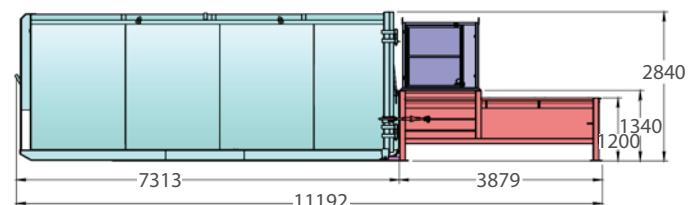
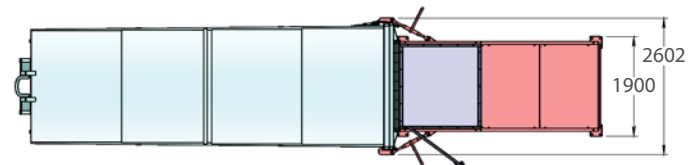
The S1500 can be designed for hand, bin lifter, tippler bin and chute loading. When full, the body or container is easily removed for emptying. The superior compaction forces provide high payloads to reduce your carbon footprint and your transport costs.



- /// CUSTOM DESIGNED
- /// 24/7 NATIONAL SERVICE & SUPPORT
- /// OVER 20 YEARS OF EXPERIENCE

### TECHNICAL SPECIFICATIONS

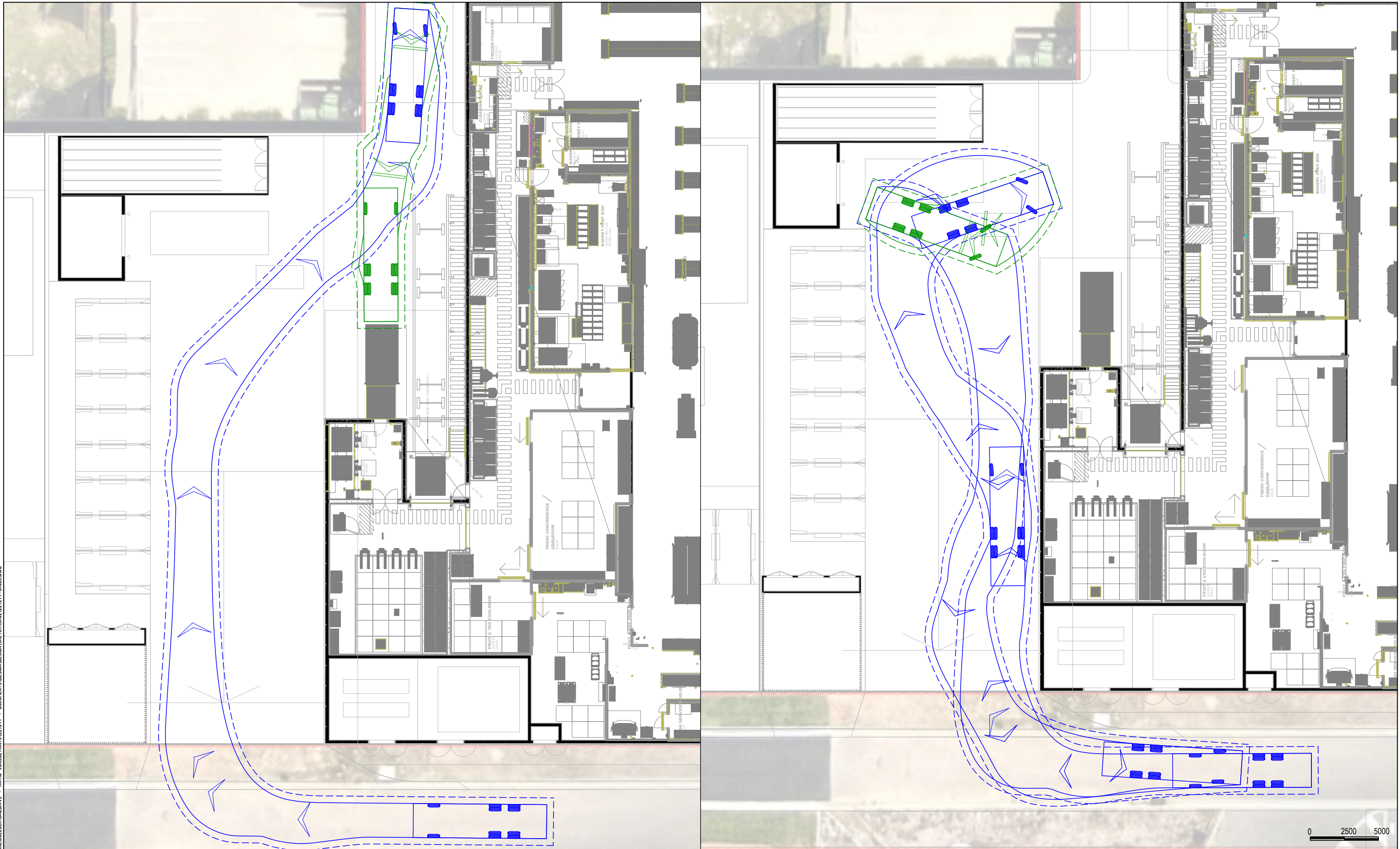
Chamber Volume	1.8 m <sup>3</sup>
Swept Volume	1.4 m <sup>3</sup>
Machine Capacity	110 m <sup>3</sup> /hr
Clear Top Opening (W x L)	1500 x 1340 mm
Hydraulic Cylinder Stroke	1700 mm
Hydraulic Cylinder Size	130 Bore, 90 Rod (mm)
Container Penetration	350 mm
Pack Black Face Size (W x H)	1500 x 560 mm
Discharge Opening	1500 x 760 mm
Electric Motor Size	7.5 kW
Cycle Time (unloaded)	47 s
Hydraulic Pump Flow	27 L/min
Maximum Compaction Force	225 kN
Power Required	415V 20A



Standard 31m<sup>3</sup> bin layout.

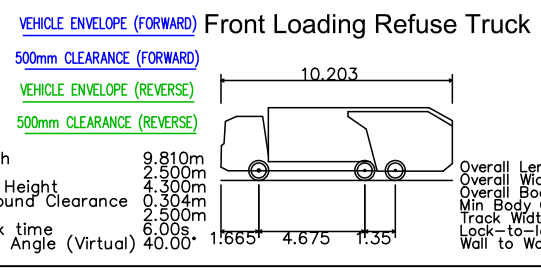
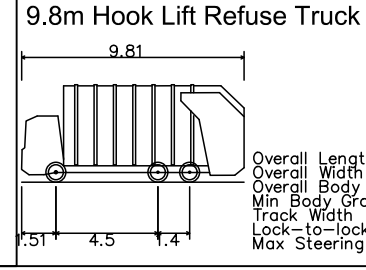
# Appendix C – Swept Path Assessment

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**ratio:**

RATIO CONSULTANTS PTY LTD  
 ABN 005 422 104  
 LEVEL 5, 65 DOVER STREET  
 CREMORNE, VICTORIA 3121  
 TELEPHONE (03)9429 3111  
 FACSIMILE (03)9429 3011



**VEHICLE ENVELOPE (FORWARD)**  
 500mm CLEARANCE (FORWARD)  
**VEHICLE ENVELOPE (REVERSE)**  
 500mm CLEARANCE (REVERSE)

**Proposed Supermarket Development**  
 11-23 Apsley Street, 19-23 Apsley Lane and 39 Blucher Street, Strathfieldsaye

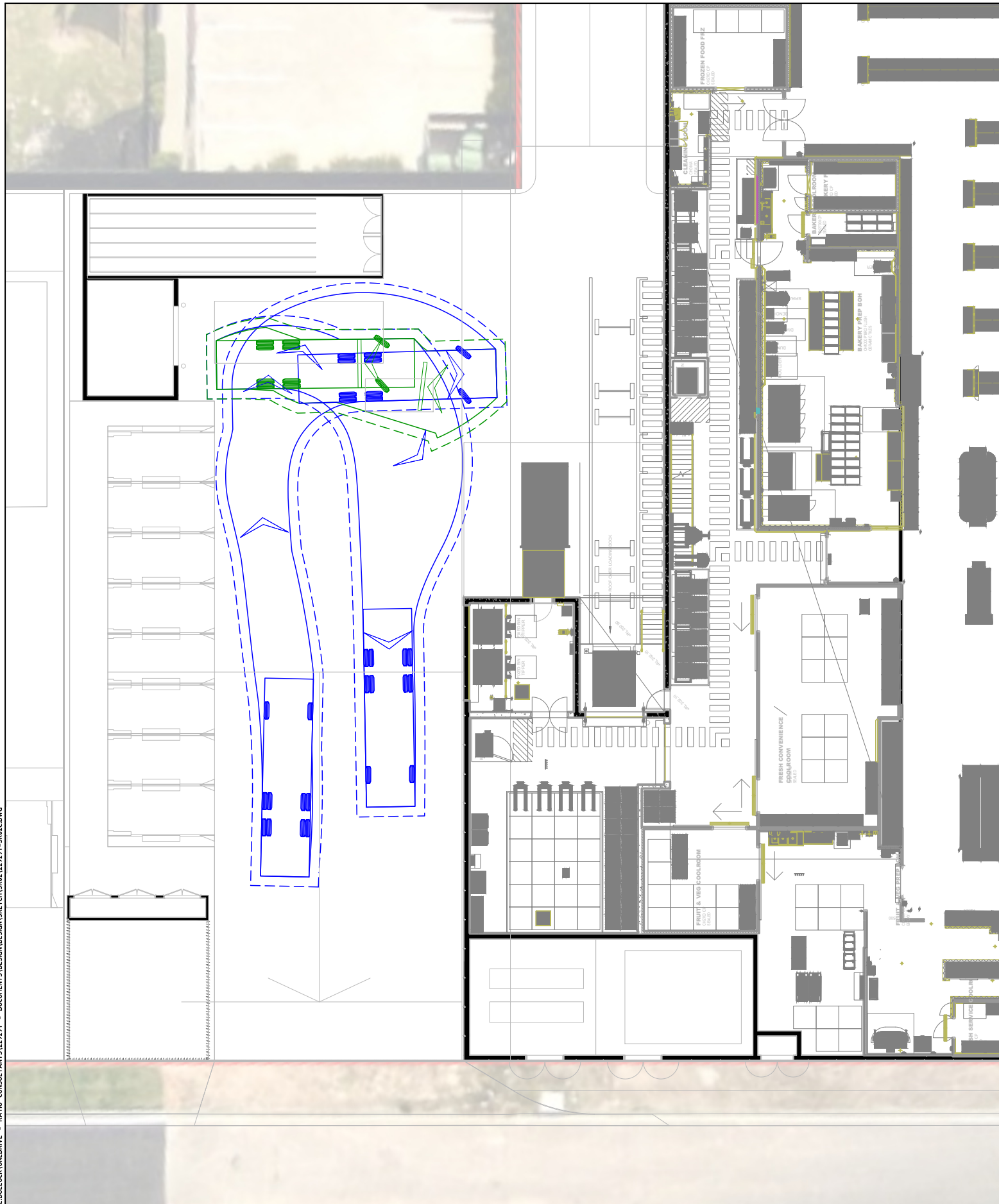
**Waste Collection Vehicle Swept Paths**

NOTE:  
 1) Base Plan Supplied By Nettleton Tribe (received 23/01/26)  
 2) Maximum Design Speed 5km/h

RATIO REFERENCE 22929T-SK02C	SHEET No. 4 of 5	PREPARED BY K. Bullock	SCALE Custom@A3	DATE 05/02/26
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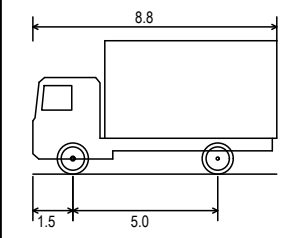


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RATIO CONSULTANTS PTY LTD  
 ABN 005 422 104  
 LEVEL 5, 65 DOVER STREET  
 CREMORNE, VICTORIA 3121  
 TELEPHONE (03)9429 3111  
 FACSIMILE (03)9429 3011

MRV - Medium Rigid Vehicle (AS/NZS2890.2:2002)



VEHICLE ENVELOPE (FORWARD)  
 500mm CLEARANCE (FORWARD)  
 VEHICLE ENVELOPE (REVERSE)  
 500mm CLEARANCE (REVERSE)

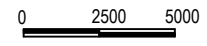
Overall Length 8.800m  
 Overall Width 2.500m  
 Track Width 2.500m  
 Lock to Lock Time 4.00 sec  
 Curb to Curb Turning Radius 10.000m

### Proposed Supermarket Development

11-23 Apsley Street, 19-23 Apsley Lane and 39 Blucher Street, Strathfieldsaye

### Waste Collection Vehicle Swept Paths

NOTE:  
 1) Base Plan Supplied By Nettleton Tribe (received 23/01/26)  
 2) Maximum Design Speed 5km/h



RATIO REFERENCE 22929T-SK02C	SHEET No. 5 of 5	PREPARED BY K. Bullock	SCALE Custom@A3	DATE 05/02/26
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