CITY OF CANNING

Waste Guidelines for New Developments and Changes of Use

Contents

1. Introduction

Waste management must be considered in all new developments and when land use is changed to ensure that waste materials can be stored, collected, and removed from the property in a manner which is safe, efficient and minimises the risk to public health and the environment.

These guidelines have been developed to assist the incorporation of waste management into developments within the City of Canning (the City). The overall goal of this document is to ensure that developers are aware of essential requirements to build into their planning process that allows for adequate storage of bins at the property, as well as the safe and efficient collection and removal of waste from the property.

This document provides the dimensions for the bins and waste collection vehicles utilised by the City of Canning. Provision of adequate on-site bin storage and access for waste collection vehicles are identified in clauses 5.3.2, 5.3.5, and 5.4.4 of SPP7.3 Vol 1 and in Parts 3 and 4 of SPP 7.3 Vol 2. The City's Local Planning Policy for Residential Developments (LP.01) requires that a Waste Management Plan (WMP), which meets the requirements of these guidelines, is submitted for all new developments. This Policy is available on the City's website.

2. Enquiries

Enquiries and questions can be directed to 1300 422 664 or submitted online at https://www.canning.wa.gov.au/residents/building-here/planning-services.

3. Objectives

The objectives of these guidelines are to:

- Maximise safety for both waste collection staff and the public;
- Ensure the long term waste management needs of each development are met in an appropriate, efficient and sustainable manner;
- Minimise the impact of waste services and facilities on the streetscape and surrounds, in relation to both the footpath and the frontage of the development;
- Ensure waste services and facilities do not have a negative impact on the amenity of a locality particularly, in terms of noise and odour;
- Ensure waste collection systems are made easily accessible for all residents, including those with disabilities;
- Protect the canopies of street trees by reducing the number of bins on the verge for collection; and
- Minimise traffic and footpath obstruction.

The City encourages designers to be innovative in developing the most efficient and sustainable waste management system to meet these objectives.

4. Waste Collection Services

The City provides the following services to all residential rateable properties as a part of its statutory requirements under the *Local Government Act 1995, Waste Avoidance the Resource Recovery Act 2007,* and the City of Canning Local Laws.

A standard residential service includes:

- ≤240L mobile garbage bin (MGB) for general waste (kerbside collection/sidearm operation),
- 240L MGB for recycling (kerbside collection/sidearm operation),
- Future 240L MGB for organics (kerbside collection/sidearm operation),
- Verge collection services – two bulk household waste (skip bin) services per year per residential property, and
- Verge collection services – two bulk garden organics services per year for each single dwelling residential property.

Special residential service, by agreement of the City, which may include:

- 240L, 660L or 1,100L MGBs for general waste, organic, and recycling (under special arrangements/rear lift.

The City's collection services operate Monday to Friday.

5. When is a Waste Management Plan (WMP) required?

Waste Management Plans are required for the following new developments within the City:

- Grouped dwelling proposals where simple bin presentation for roadside collection is not possible or desirable as determined by the City;
- Four or more multiple or grouped dwellings;
- Aged or dependant persons developments comprising more than 10 beds/dwellings or where simple bin presentation for road-side collection is not possible or desirable as determined by the City;
- Commercial and industrial properties;
- Recreational properties;
- Lodging houses;
- Mixed Use Developments (comprising both Residential and Non-residential); or
- Where there is no suitable bin collection point, or the number of required bins will result in an impact upon traffic or pedestrian safety, the health of any street trees, obstruction of traffic for a significant period of time or on-street parking will prevent access, on-site collection is required.

6. Requirements for Waste Management

The Western Australian Local Government Association (WALGA) Waste Management Plan Guidelines for New Multi Dwelling Developments outline industry accepted design guidelines for different development types. These guidelines must be followed when preparing Waste Management Plans for the City's consideration. Waste generation rates for residential developments and mixed-use developments are to be calculated using WALGA's Waste Calculator. For proposed development of 12 units, used the *'Residential Less Than 12 Dwellings'* calculator.

The guidelines and calculator can be accessed here:

- Waste Management Plan Guidelines for New Multi-Dwelling Developments
- Multi-Dwelling Development (MDD) and Mixed-Use Development (MUD) Waste Calculator

The City's Local Planning Policy for Residential Development, LP.01, outlines the City's requirements for all developments with a residential component in relation to storage of receptacles, size of receptacles and collections. These requirements should be incorporated into the building designs and described in the Waste Management Plan.

Section 8 in this document outlines requirements for commercial and industrial sites, which must be addressed in the submitted Waste Management Plan.

A checklist of the essential items for inclusion in Waste Management Plans submitted to the City is provided in Appendix 2.

Appendix 1 should be used in conjunction with the waste calculator to determine the size and number of receptacles required. The City's preferred service type and receptacles are outlined in the table below.

Table 1 – City of Canning service type and receptacles

Two-bin system (current)	**Three-bin System (future)**
Single House and up to four units: 1x 240L General Waste collected weekly, and 1x 240L Recycling Bin collected fortnightly.	**Single House and up to four units:** 1x 240L Organic collected weekly, 1x 240L General Waste collected fortnightly, and 1x 240L Recycling Bin collected fortnightly.
Four to ten units: Waste Management Plan required, and Preferred on-site collection is by a shared bulk bin service using 660L bins for general waste and 1,100L bins for recycling. Must include room for accessible receptacles (stickered 240L bins), which will be provided on request. **Quantity of bins is to be approved by the City as part of the Waste Management Plan submission.**	**Four to ten units:** Waste Management Plan required, Preferred on-site collection is by a shared bulk bin service using 660L bins for general waste and Organics, 1,100L bins for recycling. Must include room for accessible receptacles (stickered 240L bins), which will be provided on request. **Quantity of bins is to be approved by the City as part of the Waste Management Plan submission.**

More than 10 units: Waste Management Plan required, Preferred on-site collection is by a shared bulk bin service using 660L bins for general waste and 1,100L bins with multiday collections available, and Room for accessible receptacles (stickered 240L bins), that are provided on request. **Quantity of bins is to be approved by the City as part of the Waste Management Plan submission.**	**More than 10 units:** Waste Management Plan required, and Preferred on-site collection is by a shared bulk bin service using 660L bins for general waste and organics, 1,100L bins for recycling with multiday collections available, and Room for accessible receptacles (stickered 240L bins), that are provided on request. **Quantity of bins is to be approved by the City as part of the Waste Management Plan submission.**

Waste Management Plans should consider the City's intention to implement a three-bin Organic system and provide space for a three-bin infrastructure. Where non-standard receptacles are proposed, the Waste Management Plan should include the manufacturer specification for the City's consideration.

For developments requiring an excessive number of bulk bins can request a multi-day collection service. Increased collection frequency approval is at the City's discretion and will incur additional charges.

6.1 Summary of Waste Management Requirements

Waste management for multi dwelling developments should be designed in accordance with the WALGA Waste Management Plan Guidelines for New Multi Dwelling Developments.

a) Where a Waste Management Plan is required:
   i. The preferred on-site collection is by a shared bulk bin service using 660L bins for general waste and Organics and 1,100L bins for recycling; and
   ii. Where bulk bins are used, development design is to allow for the bins to be serviced by 16.5t GVM, 6×2 heavy rigid rear loading waste collection trucks. These trucks are approximately 9.3m long and require a minimum of 2m of clear area behind the vehicle. A minimum of 3.5m overhead clearance is required for the trucks to lift and empty the bulk bins.

b) In the case of mixed-use developments, a waste management plan is required to determine quantities of waste and the required bin compound area.

c) Where there is a bulk bin storage and/or service area, it must:
   i. Not be visible from the street wherever possible;
   ii. Have no steps, kerbs or other impediments to wheeled mobile garbage bins;
   iii. Not have a slope across these areas in any direction exceeding 1 in 20;
   iv. Be constructed with a concrete floor with a floor waste basket trap, or similar, connected to the sewer; and
   v. Be provided with a mains water supply to facilitate regular cleaning of receptacles.

d) Where a waste collection vehicle is required to enter a property, it must be able to enter and leave in a forward gear. To prevent disruption to local traffic, the City may require that security gates are set back a minimum of 10 metres from the front boundary.

e) Compliance to AS1428.1 - 2021 and AS1428.2 - 1991 is required to ensure all future residents can access and use waste infrastructure.

6.2 Waste Collection

a) Receptacles must be presented to an agreed location on the specified collection day(s) for collection.

b) Receptacles placed on the verge for collection must not be placed on a neighbouring verge.

c) Receptacles placed for collection on the verge must not obstruct pedestrians, street furniture or bike lanes and be at least 1m from driveways, transport stops, shelters, street tree canopies, signs, or any other street furniture.

d) Receptacles presented for collection must be no more than 1m from the kerb with wheels facing the property, with 0.5m of space between each bin to allow clear access for the collection truck's automatic grab arm.

e) Receptacles must be presented in a single line and have no overhead obstructions which interfere with the action of side loading collection vehicles.

f) Where four wheeled receptacles or more than 5x 240L MGBs are to be presented to the verge, an area must be paved to accommodate the receptacles on the verge and allow passage to and from the storage area.

g) The space required for collection from the verge must not exceed one third of the property frontage or 8 receptacles.

h) Where roadside collection is not considered appropriate by the City's due to concerns relating to pedestrian and/or vehicular and tree canopy conflict, and potential impacts on the amenity of a locality, alternate collection methods are to be determined and incorporated in the Waste Management Plan.

   i. With the approval of the City, receptacles stored in a bin storage area may be collected either from an onsite location within the property or inside the bin storage area at multi-unit developments.

   ii. Where onsite collections occur, roadways and infrastructure traversed by the collection vehicle must be constructed to accommodate a 16 tonne Gross Vehicle Mass.

i) Where approval is given for the collection of recyclables, general and organic waste from the road (at the pre-application stage, or via the development application process), consideration needs to be given to a 9.3-metre-long truck, 4.5m overhead clearance and 2m rear clearance where access and/or manoeuvrability is difficult or limited.

j) Where receptacles are presented outside of the storage area for collections, the surfaces which are traversed must be designed to allow easy transportation of the receptacles and be finished in a way which reduces the noise of the receptacles as they are manoeuvred.

k) Gradients must not exceed 1 in 14 for two wheeled receptacles and 1 in 20 for four wheeled receptacles on the path used to transfer the receptacles from their storage location to the collection point or vehicle collection location.

l) A caretaker or strata management representative is to manage waste generated on site to ensure bins are filled consecutively and not overflowing, with only bins free of contamination to be

presented on collection day.

6.3 Internal Waste System

Details of any waste systems must be provided including chutes, compactors and any other waste management equipment or devices to be used.

i. Waste chutes are only recommended if mechanical ventilation is installed and the WMP outlines the long-term cleaning and maintenance of such waste duct(s).
ii. Chutes should be designed with insulation to avoid noise disturbing neighbouring units and fire risks.
iii. Chutes should be cylindrical with a diameter of 500mm or greater to avoid waste being caught within.
iv. It is recommended that a service room (or compartment) needs to be provided on each floor of the development to allow access to the waste chute. Chutes should not open onto any habitable or public space.

6.4 Bin storage area

The bin storage area should be designed to provide adequate room for manoeuvring bins for collection, cleaning of the storage area regularly and undertaking maintenance. It is undesirable to locate other services and utilities (such as electrical boards, gas meters or conduits) within bin storage areas, as it can clutter the area and increase the risk of damage to amenities during collection or cleaning.

To determine the adequate size for a bin storage area, consideration should be given to the waste generation rates, the bin sizes to be utilised (APPENDIX 1) and the frequencies of the collection, typically organics weekly, general waste and recycling fortnightly. For developments requiring more than 4x 660L general waste, 4x Organics and 2x 1100L recycling bins a multi-day collection service can be negotiated with the City. Bin storage areas should be adequately sized to accommodate the required number of bins at the designated collection frequency with adequate room for residents and any other users of the waste system to easily access all bins and to allow bins to be easily moved around and serviced. It is better practice to size bin storage areas with enough space to store at least one week's worth of waste. Increased collection frequencies should not reduce the need to provide adequate bin storage space. This is to ensure that there is sufficient capacity to store accumulated waste in a significant event such as a pandemic, natural disaster, fuel shortage or industrial action.

6.5 Residential Dwellings

Sufficient space must be provided within the kitchen, laundry room or other convenient location within the dwelling for the temporary storage of accumulated waste. As part of a three bin organics service, kitchen caddies will be provided to encourage the collection of food scrap waste. Therefore, consideration needs to be given in the dwelling design to be able to accommodate a separate general waste and recycling bin as well as a kitchen caddy within the

kitchen.

7. Development Applications and Waste Management Plans

Waste management must be considered at the design stage of a development. This will ensure that:

- Sufficient waste capacity has been catered for, taking into account the City's planned to introduce a three bin service
- Enough space has been provided to store waste prior to collections
- Sufficient space has been allocated to allow for collection
- Clearance for a waste collection vehicle has been considered
- Sufficient contingency has been incorporated to safely retain waste in the unforeseen event that the collection contractor is unable to fulfil their servicing agreement on time
- Waste infrastructure is universally accessible
- The opportunity for vermin, pests, and odours to accumulate has been minimised.

The City requires all development applications address waste management in accordance with this guideline, the City's Local Planning Policy LP.01 Residential Development and the Planning Information Sheet: Waste Management for Multi Dwelling Sites. Unnecessary delays can be avoided by providing sufficient waste management information in the initial application reducing the need for requests for further information.

8. Education

Educational signage must be used to educate users on the correct use of these bins. Signage can include posters and bin stickers explaining what can and cannot be placed in the bins. The City can provide educational signage for bins and bin storage areas on request, as well as other support to the development including information sessions and the provision of other materials such as flyers, magnets, and brochures for inclusion in welcome packs and other education campaigns. Please contact waste@canning.wa.gov.au for more information.

Where accessible receptacles are provided, these must have the appropriate signage.

9. Commercial / Industrial Waste Management Plans

WALGA's Commercial and Industrial Waste Management Plan Guidelines must be used to produce a Waste Management Plan for the City's consideration. APPENDIX 3 includes a checklist of essential requirements for a Commercial or Industrial Waste Management Plan.

Bin storage areas should:

a) Have adequate storage space for required bins (based on the building size and the applicable waste and recycled material generation rates)

b) Be designed with some flexibility in relation to size to ensure future uses for the development are not limited

c) Permit easy, direct and convenient access for tenants, cleaners and other users of the facility, whilst restricting access to unauthorised persons

d) Includes:
   iii. Water supply,
   iv. Impervious walls and floor,
   v. A floor waste gully connected to sewer,
   vi. A gate, and
   vii. Sufficient size to accommodate all receptacles used on the premises.

e) Permit easy transfer of bins to the presentation point if required, with doors with access wide and high enough to allow easy manoeuvring of any stored bin

f) Permit easy, direct and convenient access for collection service providers

g) Integrated into the design of the overall development and do not affect visual amenity

f) Where on-site collection has been approved by the City:
   i. The preferred on-site collection is by a shared bulk bin service using 660L bins for general waste and Organics and 1,100L bins for recycling; and
   ii. Where bulk bins are used, development design is to allow for the bins to be serviced by 16t GVM, 6×2 heavy rigid rear loading waste collection trucks, which are approximately 9.3m long and require a minimum of 2m of clear area behind the vehicle. A minimum of 3.5m overhead clearance is required for the trucks to lift and empty the bulk bins.

g) Where there is a bulk bin storage and/or service area it must:
   i. Not be visible from the street wherever possible;
   ii. Have no steps, kerbs or other impediments to wheeled mobile garbage bins;
   iii. Not have a slope across these areas in any direction exceeding 1 in 20;
   iv. Be constructed with a concrete floor and a floor waste gully connected to the sewer; and
   v. Be provided with a mains water supply to facilitate regular cleaning of receptacles.

h) Where a waste collection vehicle is required to enter a property, it must be able to enter and leave in a forward gear. To prevent disruption to local traffic, the City may require that security gates are set back a minimum of 10m from the front boundary.

i) Compliance to AS1428.1 - 2021 and AS1428.2 – 1991 is required to ensure all future uses can access waste infrastructure.

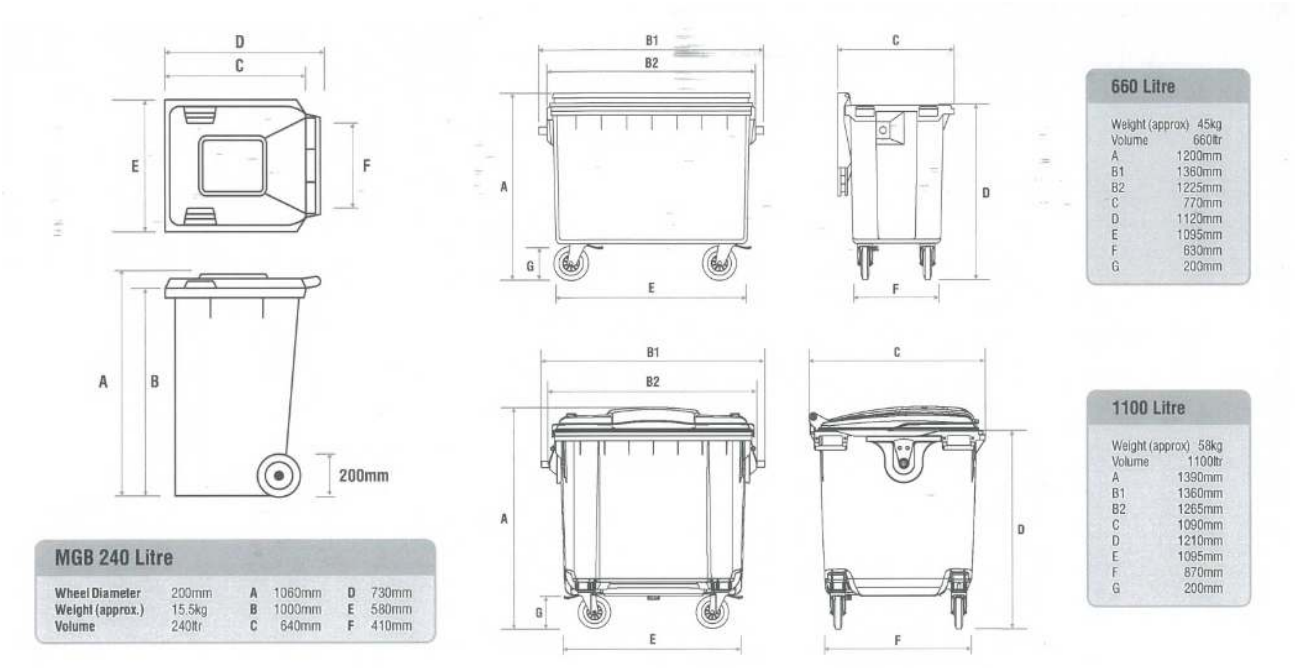
Appendix 1: Mobile Garbage Bin Specifications

The information presented below is the typical dimensions of common receptacle sizes. For other receptacle sizes, please refer to the manufacturer's specifications and include these in the Waste Management Plan. Receptacles larger than 240L can be inaccessible for some people living with a disability or for senior residents.

Waste Management Plans should outline how accessibility and inclusion will be addressed to meet Australian Standards 1428.1 - 2021 and 1428.2 – 1991.

Table 3: Receptacle Body and Lid Colour Requirements

Waste Stream	MGB Body Colour	MGB Lid Colour
General Waste	Dark green/Black	Red
Recycling	Dark green	Yellow
Organics	Dark green	Lime green



Appendix 2: Residential Waste Management Plan Checklists

Summary of the Development	
Location of the development	
Number of floors	
Number of dwelling units by size (one, two or three bedrooms)	
Size of each commercial unit	
Details of the intended use of the development	
Waste Generation	
Waste generation for general waste, recycling and other wastes	
Details of the size and quantity of the receptacles to be used must be provided. Refer to APPENDIX 1 – Receptacle Type and Dimensions	
Bin Storage Area **Design details of the bin storage area must be included in the Waste Management Plan covering the requirements**	
Transport route of the waste from the source to the bin storage area has been considered	
Bin storage area size, including consideration for bi-annual storage and collection of bulk waste	
Bin storage area layout, separation of recycling, ORGANIC and general waste is desirable	
Wash-down area	
Ventilation	
Vermin prevention	
Noise reduction	
Stormwater ingress prevention	
Collection Method and Frequency **Waste Management Plans must contain details on collection method to be used in servicing the development**	
Collection vehicle to be utilised	
Movement of collection vehicle include swept path analysis	
Collection location	
Transfer of waste to the collection vehicle	
Frequency of collection	
Waste System **Details of any waste systems must be provided including chutes, compactors, and any other waste management equipment or devices to be used.**	
Chutes	
Compactor	
Bin lifter	
Waste Service Provider	
Provide explanations why the application seeks to engage a private collection contractor to service the development rather than the City waste services (commercial applications only)	
Education	

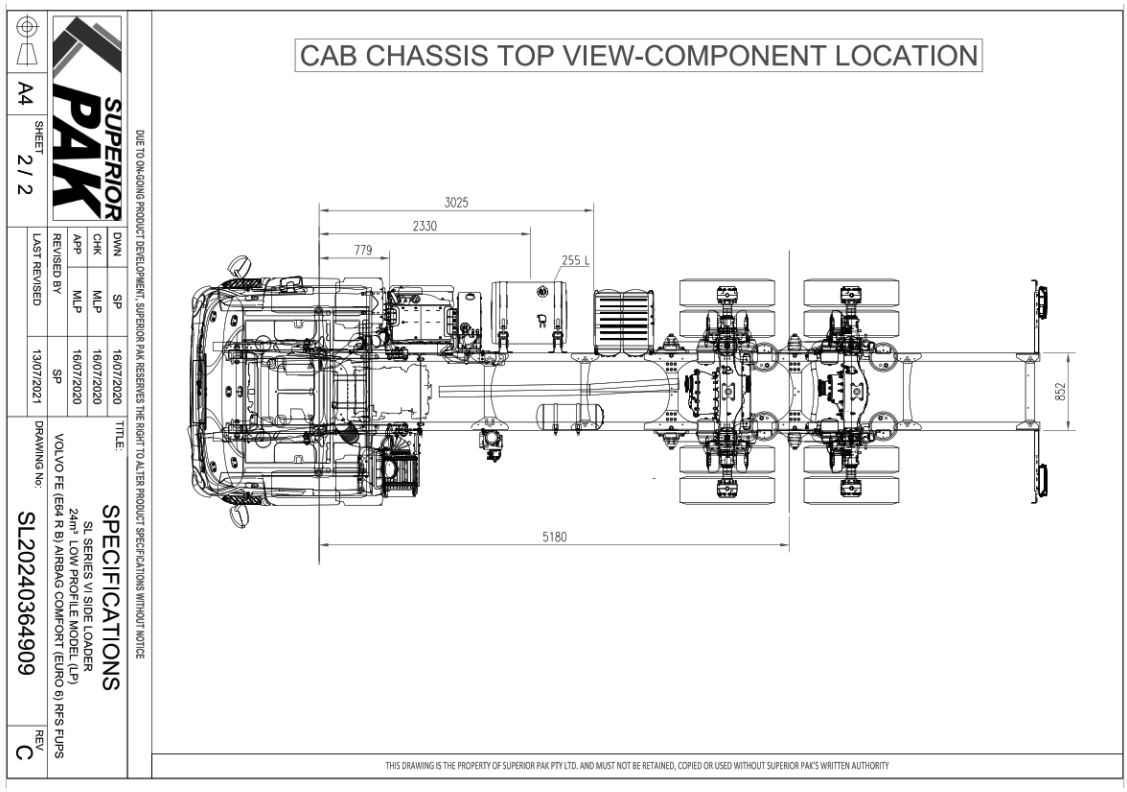
Has the City's Waste Department been contacted to provide the relevant educational signage for the bins and bin storage areas	
Ongoing management	
Has a handover been completed so that a building manager is aware of what waste management systems have been planned in the development	

Appendix 3: Commercial and Industrial Waste Management Plan Checklists

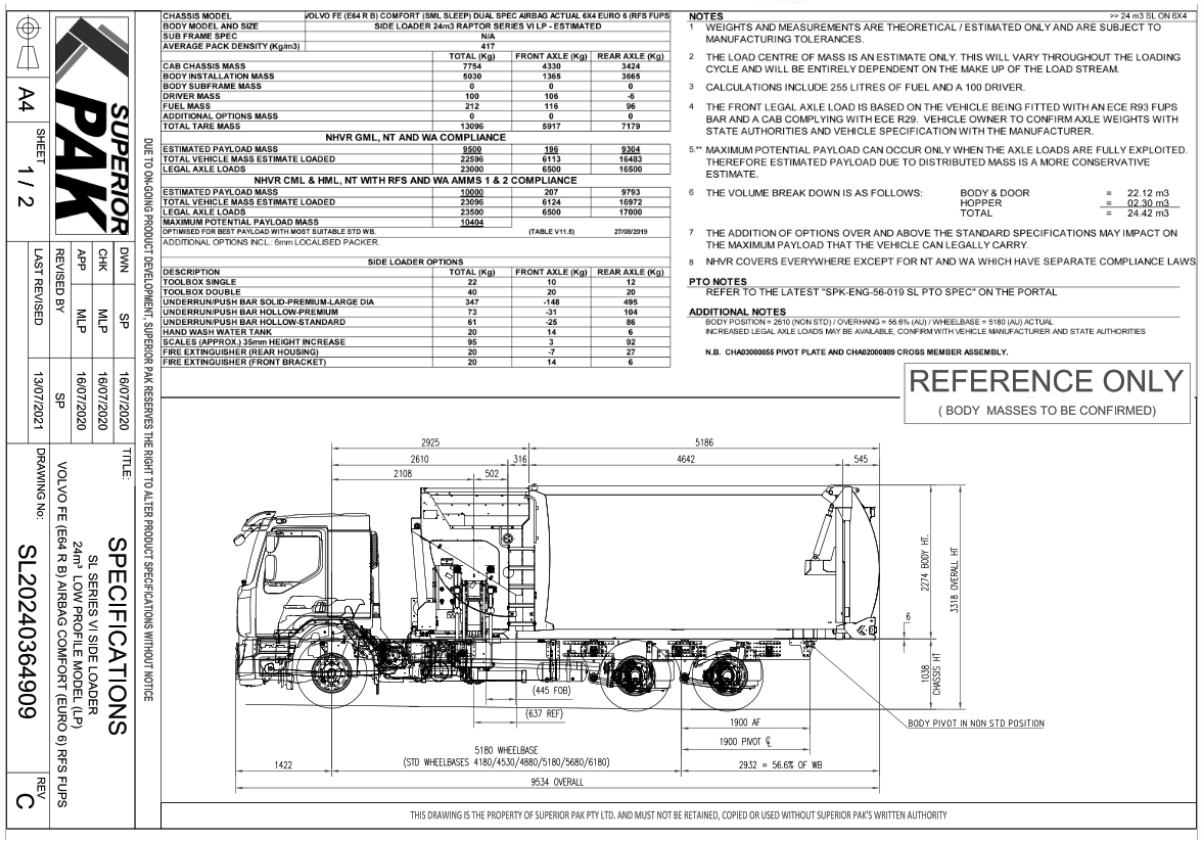
Summary of the Development	
Address	
Development area	
Nature and scale of the development (including number and type of dwelling)	
Ownership and management details	
Projected occupancy	
Details of any contact with City of Canning in relation to waste management in the development	
Waste Generation	
Projected waste generation rates based on occupancy and uses	
Waste Management System – Bin Storage Area	
Details on the size and location of the proposed storage areas	
Proposed number and size of bins	
Justification for the location of the storage facility	
Description of how better practice waste management has been included to minimise noise, odour, vermin and to consider hygiene, security, health safety and the environment	
Access	
Details of the route for any movement from temporary storage areas to presentation areas [including diagram]	
Collection	
Proposed bin collection frequencies, based on bin numbers and waste volumes	
Scale drawing including proposed collection points (onsite or off-site)	
If relevant, details of the internal road and driveway lay out including how collection vehicles will service the site	
Education	
Details of the signage which will be used to inform workers/occupants about the use of the waste management system	
Potential Issues	
Details on the potential issues which may arise during occupancy and how these issues will be addressed	
Implementation Schedule	
Details on how the system will be monitored and by who	
References	
Provide references	

Appendix 4: Truck specifications

Side Lift



Side Lift



SUPERIOR PAK

A4 | SHEET 1 / 2

CHASSIS MODEL	VOLVO FE (E64 R B) COMFORT (SML SLEEP) DUAL SPEC AIRBAG ACTUAL 6X4 EURO 6 (RFS FUPS		
BODY MODEL AND SIZE	SIDE LOADER 24m3 RAPTOR SERIES VI LP - ESTIMATED		
SUB FRAME SPEC	N/A		
AVERAGE PACK DENSITY (Kg/m3)	417		
	TOTAL (Kg)	FRONT AXLE (Kg)	REAR AXLE (Kg)
CAB CHASSIS MASS	7754	4330	3424
BODY INSTALLATION MASS	5030	1365	3665
BODY SUBFRAME MASS	0	0	0
DRIVER MASS	100	106	-6
FUEL MASS	212	116	96
ADDITIONAL OPTIONS MASS	0	0	0
TOTAL TARE MASS	13096	5917	7179
NHVR GML, NT AND WA COMPLIANCE			
ESTIMATED PAYLOAD MASS	9500	198	9304
TOTAL VEHICLE MASS ESTIMATE LOADED	22596	6113	16483
LEGAL AXLE LOADS	23000	6500	16500
NHVR CML & HML, NT WITH RFS AND WA AMMS 1 & 2 COMPLIANCE			
ESTIMATED PAYLOAD MASS	10000	207	9793
TOTAL VEHICLE MASS ESTIMATE LOADED	23096	6124	16972
LEGAL AXLE LOADS	23500	6500	17000
MAXIMUM POTENTIAL PAYLOAD MASS	10404		
OPTIMISED FOR BEST PAYLOAD WITH MOST SUITABLE STD WB.		(TABLE V11.5)	27/09/2019

ADDITIONAL OPTIONS INCL.: 6mm LOCALISED PACKER.

SIDE LOADER OPTIONS			
DESCRIPTION	TOTAL (Kg)	FRONT AXLE (Kg)	REAR AXLE (Kg)
TOOLBOX SINGLE	22	10	12
TOOLBOX DOUBLE	40	20	20
UNDERRUN/PUSH BAR SOLID-PREMIUM-LARGE DIA	347	-148	495
UNDERRUN/PUSH BAR HOLLOW-PREMIUM	73	-31	104
UNDERRUN/PUSH BAR HOLLOW-STANDARD	61	-25	86
HAND WASH WATER TANK	20	14	6
SCALES (APPROX.) 35mm HEIGHT INCREASE	95	3	92
FIRE EXTINGUISHER (REAR HOUSING)	20	-7	27
FIRE EXTINGUISHER (FRONT BRACKET)	20	14	6

NOTES >> 24 m3 SL ON 6X4

1 WEIGHTS AND MEASUREMENTS ARE THEORETICAL / ESTIMATED ONLY AND ARE SUBJECT TO MANUFACTURING TOLERANCES.

2 THE LOAD CENTRE OF MASS IS AN ESTIMATE ONLY. THIS WILL VARY THROUGHOUT THE LOADING CYCLE AND WILL BE ENTIRELY DEPENDENT ON THE MAKE UP OF THE LOAD STREAM.

3 CALCULATIONS INCLUDE 255 LITRES OF FUEL AND A 100 DRIVER.

4 THE FRONT LEGAL AXLE LOAD IS BASED ON THE VEHICLE BEING FITTED WITH AN ECE R93 FUPS BAR AND A CAB COMPLYING WITH ECE R29. VEHICLE OWNER TO CONFIRM AXLE WEIGHTS WITH STATE AUTHORITIES AND VEHICLE SPECIFICATION WITH THE MANUFACTURER.

5.** MAXIMUM POTENTIAL PAYLOAD CAN OCCUR ONLY WHEN THE AXLE LOADS ARE FULLY EXPLOITED. THEREFORE ESTIMATED PAYLOAD DUE TO DISTRIBUTED MASS IS A MORE CONSERVATIVE ESTIMATE.

6 THE VOLUME BREAK DOWN IS AS FOLLOWS:

BODY & DOOR	=	22.12 m3
HOPPER	=	02.30 m3
TOTAL	=	24.42 m3

7 THE ADDITION OF OPTIONS OVER AND ABOVE THE STANDARD SPECIFICATIONS MAY IMPACT ON THE MAXIMUM PAYLOAD THAT THE VEHICLE CAN LEGALLY CARRY.

8 NHVR COVERS EVERYWHERE EXCEPT FOR NT AND WA WHICH HAVE SEPARATE COMPLIANCE LAWS.

PTO NOTES

REFER TO THE LATEST "SPK-ENG-56-019 SL PTO SPEC" ON THE PORTAL

ADDITIONAL NOTES

BODY POSITION = 2610 (NON STD) / OVERHANG = 56.6% (AU) / WHEELBASE = 5180 (AU) ACTUAL
INCREASED LEGAL AXLE LOADS MAY BE AVAILABLE. CONFIRM WITH VEHICLE MANUFACTURER AND STATE AUTHORITIES

N.B. CHA03000855 PIVOT PLATE AND CHA02000809 CROSS MEMBER ASSEMBLY.

REFERENCE ONLY
(BODY MASSES TO BE CONFIRMED)

LAST REVISED	13/07/2021	REVISED BY	SP	DWN	SP 16/07/2020
		APP	MLP 16/07/2020	CHK	MLP 16/07/2020

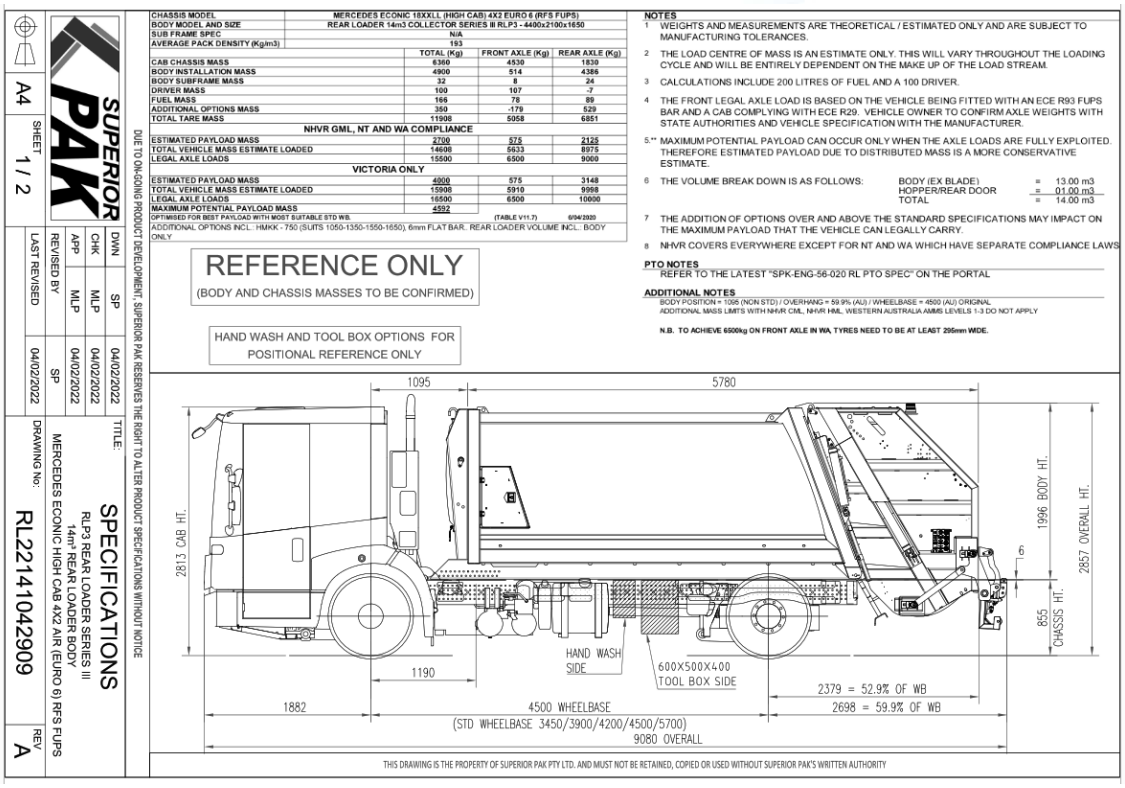
DRAWING No: SL20240364909

TITLE: SPECIFICATIONS
SL SERIES VI SIDE LOADER
24m³ LOW PROFILE MODEL (LP)
VOLVO FE (E64 R B) AIRBAG COMFORT (EURO 6) RFS FUPS

REV: C

DUE TO ON-GOING PRODUCT DEVELOPMENT, SUPERIOR PAK RESERVES THE RIGHT TO ALTER PRODUCT SPECIFICATIONS WITHOUT NOTICE

Rear Loader



CHASSIS MODEL	MERCEDES ECONIC 18XXLL (HIGH CAB) 4X2 EURO 6 (RFS FUPS)
BODY MODEL AND SIZE	REAR LOADER 14m3 COLLECTOR SERIES III RLP3 - 4400x2100x1650
SUB FRAME SPEC	N/A
AVERAGE PACK DENSITY (Kg/m3)	153

	TOTAL (Kg)	FRONT AXLE (Kg)	REAR AXLE (Kg)
CAB CHASSIS MASS	6360	4530	1830
BODY INSTALLATION MASS	4900	514	4386
BODY SUBFRAME MASS	32	8	24
DRIVER MASS	100	107	-7
FUEL MASS	166	78	89
ADDITIONAL OPTIONS MASS	350	-179	529
TOTAL TARE MASS	11908	5058	6851
NHVR GML, NT AND WA COMPLIANCE			
ESTIMATED PAYLOAD MASS	2700	575	2125
TOTAL VEHICLE MASS ESTIMATE LOADED	14608	5633	8975
LEGAL AXLE LOADS	15500	6500	9000
VICTORIA ONLY			
ESTIMATED PAYLOAD MASS	4000	575	3148
TOTAL VEHICLE MASS ESTIMATE LOADED	15908	5910	9998
LEGAL AXLE LOADS	16500	6500	10000
MAXIMUM POTENTIAL PAYLOAD MASS	4592		

OPTIMISED FOR BEST PAYLOAD WITH MOST SUITABLE STD WB. (TABLE V11.7) 6/04/2020

ADDITIONAL OPTIONS INCL.: HMKK - 750 (SUITS 1050-1350-1550-1650), 6mm FLAT BAR, REAR LOADER VOLUME INCL.: BODY ONLY

REFERENCE ONLY

(BODY AND CHASSIS MASSES TO BE CONFIRMED)

HAND WASH AND TOOL BOX OPTIONS FOR POSITIONAL REFERENCE ONLY

NOTES

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2 THE LOAD CENTRE OF MASS IS AN ESTIMATE ONLY. THIS WILL VARY THROUGHOUT THE LOADING CYCLE AND WILL BE ENTIRELY DEPENDENT ON THE MAKE UP OF THE LOAD STREAM.

3 CALCULATIONS INCLUDE 200 LITRES OF FUEL AND A 100 DRIVER.

4 THE FRONT LEGAL AXLE LOAD IS BASED ON THE VEHICLE BEING FITTED WITH AN ECE R93 FUPS BAR AND A CAB COMPLYING WITH ECE R29. VEHICLE OWNER TO CONFIRM AXLE WEIGHTS WITH STATE AUTHORITIES AND VEHICLE SPECIFICATION WITH THE MANUFACTURER.

5.** MAXIMUM POTENTIAL PAYLOAD CAN OCCUR ONLY WHEN THE AXLE LOADS ARE FULLY EXPLOITED. THEREFORE ESTIMATED PAYLOAD DUE TO DISTRIBUTED MASS IS A MORE CONSERVATIVE ESTIMATE.

6 THE VOLUME BREAK DOWN IS AS FOLLOWS:

BODY (EX BLADE)	= 13.00 m3
HOPPER/REAR DOOR	= 01.00 m3
TOTAL	= 14.00 m3

7 THE ADDITION OF OPTIONS OVER AND ABOVE THE STANDARD SPECIFICATIONS MAY IMPACT ON THE MAXIMUM PAYLOAD THAT THE VEHICLE CAN LEGALLY CARRY.

8 NHVR COVERS EVERYWHERE EXCEPT FOR NT AND WA WHICH HAVE SEPARATE COMPLIANCE LAWS

PTO NOTES

REFER TO THE LATEST "SPK-ENG-56-020 RL PTO SPEC" ON THE PORTAL

ADDITIONAL NOTES

BODY POSITION = 1095 (NON STD) / OVERHANG = 59.9% (AU) / WHEELBASE = 4500 (AU) ORIGINAL
ADDITIONAL MASS LIMITS WITH NHVR GML, NHVR HML, WESTERN AUSTRALIA AMMS LEVELS 1-3 DO NOT APPLY

N.B. TO ACHIEVE 6500kg ON FRONT AXLE IN WA, TYRES NEED TO BE AT LEAST 295mm WIDE.

SUPERIOR PAK

DUE TO ON-GOING PRODUCT DEVELOPMENT, SUPERIOR PAK RESERVES THE RIGHT TO ALTER PRODUCT SPECIFICATIONS WITHOUT NOTICE

LAST REVISED	04/02/2022	DWN	SP
REVISED BY	SP	CHK	MLP
		APP	MLP
			04/02/2022
			04/02/2022
			04/02/2022

A4 SHEET 1 / 2

DRAWING No: RL22141042909

REV A

TITLE:

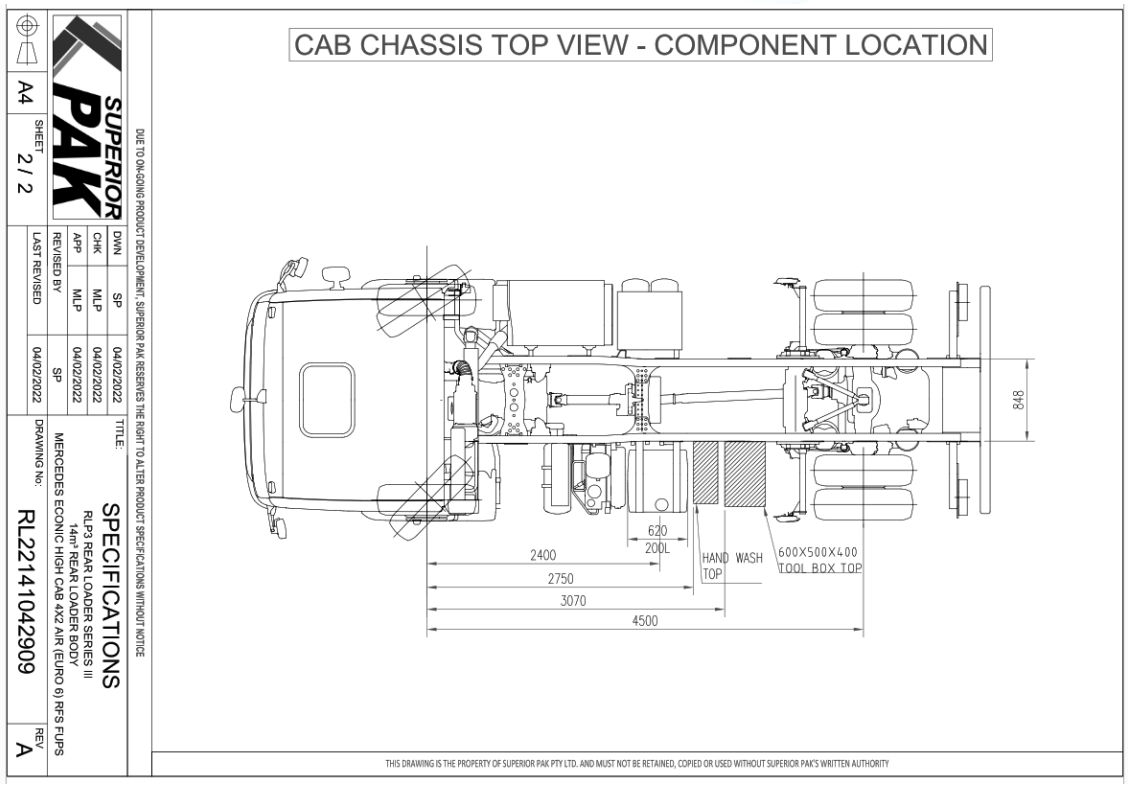
SPECIFICATIONS

RLP3 REAR LOADER SERIES III

14m³ REAR LOADER BODY

MERCEDES ECONIC HIGH CAB 4X2 AIR (EURO 6) RFS FUPS

Rear Loader


CAB CHASSIS TOP VIEW - COMPONENT LOCATION
848
620
200L
2400
2750
3070
4500
HAND WASH
TOP
600X500X400
TOOL BOX TOP
DUE TO ON-GOING PRODUCT DEVELOPMENT, SUPERIOR PAK RESERVES THE RIGHT TO ALTER PRODUCT SPECIFICATIONS WITHOUT NOTICE
SUPERIOR PAK
A4
SHEET 2 / 2
DWN SP 04/02/2022
CHK MLP 04/02/2022
APP MLP 04/02/2022
REVISED BY SP
LAST REVISED 04/02/2022
TITLE:
SPECIFICATIONS
RLP3 REAR LOADER SERIES III
14m³ REAR LOADER BODY
MERCEDES ECONIC HIGH CAB 4X2 AIR (EURO 6) RFS FUPS
DRAWING No:
RL22141042909
REV A
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