

Waste Management in Multi-Unit Developments

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1. Purpose

To provide a procedure and policy for Council staff when considering the design of waste management (rubbish, recycling, food, garden and hard waste) facilities for multi-unit developments.

To provide guidelines for architects, builders, planners, developers, building managers and land owners when designing waste management (rubbish, recycling, food, garden and hard waste) facilities for multi-unit developments, the plans of which have been or are proposed to be submitted to Council for planning approval.

To be used as a guide for making planning decisions in conjunction with Council's planning scheme, which sets out policies and requirements for the use, development and protection of land.

To ensure that all occupants of multi-unit dwellings have access to rubbish, recycling, food, garden and hard waste services that are equivalent in standard to that as provided by Council to all other Knox residents.

2. Context

This procedure and associated policy has been prepared to provide a consistent and equitable standard for planning permit applications for multi-unit developments in addressing residential/mixed use waste storage and disposal requirements for Knox City Council.

The Sustainability Victoria '*Waste Management and Recycling in Multi-Unit Developments, Better Practice Guide*' is applicable to this procedure and policy.

In Knox, waste management is assessed as part of the planning permit application process for multi-unit developments. This is to ensure that buildings are designed to accommodate waste storage and facilitate disposal in a manner that protects the health, safety and amenity of occupants.

3. Scope

This procedure and associated policy will apply to:

- Council staff involved in assessing residential/mixed use/commercial waste storage and disposal requirements as part of the planning permit for multi-unit developments.
- Personnel involved in the design of residential/mixed use/commercial waste storage and disposal requirements as part of the submission of a planning permit for multi-unit developments.

4. References

4.1 *Community and Council Plan 2021-25*

Neighbourhoods, Housing & Infrastructure

Strategy 2.2 – Create, enhance and maintain places and spaces for people to live, work, play and connect.

Natural Environment & Sustainability

Strategy 3.3 – Lead by example and encourage our community to reduce waste.

4.2 *Relevant/related Legislation*

Planning and Environment Act 1987 Environment Protection Act 2017

Disability Discrimination Act 1992

Local Government Act 1989

4.3 *Charter of Human Rights*

This procedure has been assessed against and complies with the charter of Human Rights.

4.4 *Related Council Policies*

Eligibility for Use of Waste Collection Services Provided by Knox City Council Policy, June 2018.

Use of Waste Collection Services Policy, May 2020

Waste Management in Multi-Unit Developments, November 2022

4.5 *Related Council Procedures*

4.6 *Other Related Documents*

Knox City Council Amenity Local Law 2020

Knox City Council Annual Budget

Knox City Council Waste Calendar booklet

Knox City Council website

Sustainability Victoria Waste Management and Recycling in Multi-Unit Developments, Better Practice Guide, 2019

5. Definitions

Amenity – Benefits of a property whose existence increases the value or desirability of that property.

Collection point – means the area where the waste is to be collected by the waste collection contractor.

Commercial – Development that contains dwellings used for commercial activities only.

Contamination – Materials and items within a recycling process that are not readily recycled by that process.

Food waste – Food materials including meat, dairy, fruit and vegetables, excluding liquids.

Rubbish – Residual material remaining after source separation (recycling, food and garden) to be disposed of to landfill.

Garden waste

- (a) placed in food/**garden waste bin** – means leaves, grass clippings, weeds, pruning's, branches, bark and any other similar materials which are no greater than 100mm in diameter and 300mm in length; and
- (b) placed on naturestrip for collection – means grass cuttings, tree pruning's and other garden waste items which Council prescribes from time to time as garden waste.

Hard Waste – Refuse, rubbish or waste items which Council prescribes from time to time as hard garbage.

Housekeeping Service – Collection agent takes the bins from a storage area located within the property to a collection vehicle usually located in a public area such as a roadway and returns the bins to the storage area after opening. Not available for Council services.

Indemnity – A party providing services to a particular property will not be held responsible for any loss or damage to such property as a result of routine provision of services, except in circumstances where the party has been negligent or breached statutory duty.

Kerbside Collection – Collection of household rubbish, recyclable materials and hard waste that are left at the kerbside for collection.

Knox Planning Scheme – A statutory document that contains policies and controls for the use, development and protection of land within the City Of Knox.

MGBs – Within this document, mobile garbage bins are referred to as 80 litre to 1100 litre bins which are expressed as 80L – 1100L bins.

Mixed Use – Development that contains dwellings used for residential and commercial activities.

Multi-Unit Development – Two or more dwellings on a lot, including villa units, townhouses and apartment buildings.

Responsible Entity – Building Managers, Owners Corporation, care takers and land owners responsible for purchasing and/or maintenance and/or management of waste for a development. This does not include Council's collection contractor.

Storey – Part of a building comprising habitable rooms that are on the same level. Does not include basements set aside for car parking, storage, waste collection.

Waste Management Plan – A document that details how waste (rubbish, recyclables, food, garden and hard waste) is to be managed and where and how the waste should be stored and collected for the life of the development. This plan ensures that issues such as space, access, amenity and OH&S are addressed appropriately for all waste services.

6. Procedure

6.1 Introduction

This procedure has been prepared to assist Planning Permit applicants in addressing the residential/ mixed use/ commercial waste storage and disposal requirements of Knox City Council for multi-unit developments.

Knox Council's preference is for all residential developments to be serviced by Council's kerbside waste collection service. This option should be considered first when using this document. The design of residential developments should allow for a Council waste collection service to be utilised, providing all residents with access to a satisfactory and cost-effective waste and recycling service.

Where Council collection is not possible or considered impractical for Council's waste collection contractor, a private collection contractor may be utilised at the discretion of Council's Waste Management Team.

6.2 Knox Waste and Recycling Services

6.2.1 Residential properties

6.2.1.1 Service applicable to 30 June 2023

Knox City Council currently provides the following services for residential properties:

Waste Service	Standard	Optional – attracts additional annual rates surcharges
Rubbish	80 litre – weekly	Upgrade to 120 litre – weekly
Co-mingled recycling	240 litre – fortnightly 240 litre – weekly (for multi-unit developments with communal bins only)	
Garden waste	Tied and bundled/in residents own container fortnightly	240 litre - fortnightly
Hard waste	Two at call collections per financial year	User pays hard waste collection



The table below details Knox standard bin colours:

Bin Type	80L Rubbish	120L Rubbish	240L Recycle	240L Garden Waste
Lid Colour	Yellow	Yellow	Light Blue	Red
Body Colour	Mid Green	Mid Green	Charcoal	Dark Green

6.2.1.2 Service Applicable 1 July 2023 onward

In line with the Victorian Government *Recycling Victoria* policy, Council will be implementing future waste services which provides access to four core waste and recycling services, including food, garden and glass collection, to all households.

If individual bins are being provided to each residential dwelling this will require provision of four bins being

- 80 litre/120 litre for rubbish collected fortnightly,
- 240 litre for commingled recyclables collected fortnightly
- 120 litre/240 litre for food and garden collected weekly,
- 120 litre for glass collected four weekly. Implementation date yet to be determined.

If communal bins are provided for the multi-unit development allowance will be required for the four waste streams to the quantities specified in this procedure.

Council will also be changing the existing bin lids to the Australian Standard colours being rubbish- red, Recycle - yellow, food and garden - green, Glass - purple .Refer Appendix B for bin details

6.2.2 Commercial properties

Knox City Council currently provides the following services for commercial properties:

Waste Service	Standard	Optional – attracts additional annual rates surcharges
Rubbish	Only available as optional user pays service	240 litre – daily, weekly
Co-mingled recycling	Only available as optional user pays service	240 litre - weekly
Garden waste	Not available	
Hard waste	Not available	



The table below details Knox standard bin colours for the Commercial service:

Bin Type	240L Rubbish - daily	240L Rubbish - weekly	240L Recycle
Lid Colour	Red	Brown	Blue
Body Colour	Red	Brown	Blue

6.2.3 Council's Fees and Charges

Council's website <https://www.knox.vic.gov.au/our-services/bins-rubbish-and-recycling/bin-fee> should be referred to for relevant fees and charges for waste collection services.

A Residential Waste Service Charge is applied to all residential properties that have access to Council's waste services. It provides for the standard service detailed in Clause 6.2. This charge will not be applied for developments that have their waste services provided by a private collection contractor.

6.2.4 Waste Service

Council requires that all residents be provided with rubbish and recycling services to the standard indicated in Section 6.2 as a minimum. If calculating potential waste generation rates, please refer to Section 7.2.

6.3 Knox Local Law

Knox City Council's 'Amenity Local Law 2020' and 'Use of Waste Collection Services policy' regulates the way waste receptacles (mobile garbage bins) are supplied and used, and how waste (including hard and bundled garden waste) is collected.

Full details of the 'Amenity Local Law 2020' and 'Use of Waste Collection Services policy' are available on the Knox Council website. The provision of the 'Amenity Local Law' and 'Use of Waste Collection Services policy' should be taken into account when preparing a planning permit application or a Waste Management Plan.

6.4 Planning Permit Application Information Requirements

This section is intended to assist applicants in understanding the information that needs to be submitted with planning applications for multi-unit developments.

For multi-unit developments with five or less dwellings, a site plan outlining the waste management requirements is to be provided.

For multi-unit developments of six or more residential dwellings, mixed use and commercial developments a Waste Management Plan is required to be submitted as part of the application.

6.4.1 Waste Management Plans

The Waste Management Plan must include full details of the development proposal including the following information:

- Land use details (number of dwellings and number of bedrooms in each dwelling);
- Waste (rubbish, recyclables, glass, food and garden and hard waste) generation volumes;
- Bin quantities and size;
- Bin storage area or room including space for provision of bins – rubbish, recycling, food, garden, glass;
- Hard waste and bundled garden waste storage area;
- Bin access, waste sorting and bin movement;

- Placement and collection arrangements;
- Collection days and times;
- Scaled drawings showing the above;
- Health, safety and amenity;
- Waste reduction strategies;
- Responsibility for plan implementation and revisions;
- Waste management rules for occupants.

A detailed description of each of the requirements listed above is provided in Section 7. Guidelines to assist in completing the Waste Management Plan are provided in Appendix C.

6.5 Waste management requirements for developments

This is intended to assist applicants in understanding the waste service storage and disposal requirements of Knox City Council according to the type of development.

6.5.1 *Developments up to five dwellings (1-3 storey)*

- Knox standard waste and recycle services apply including hard and bundled green waste collection.
- Bins to be placed kerbside for collection, space required for two bins (rubbish and recyclables/ glass or rubbish and food/garden waste) per dwelling with 300mm gap. Requires 1.7 metres length x 1.0 metre depth per dwelling. Where bins cannot be collected from kerbside refer 'developments of six or more dwellings- private collection'.
- Storage Space to be provided for four waste categories (rubbish, recyclables, food/garden waste and glass) in each dwelling.
- Waste Management Plan is not required, however bin collection points and bin storage areas to be shown on site plans.

6.5.2 *Developments of six or more dwellings (1-3 storey)*

6.5.2.1 *For Council collection (preferred option)*

- Waste Management Plan is required.
- Can provide bins for use of individual units or bins for communal (shared) use -(maximum bin size 240 litres).
- Storage space to be provided for four categories (rubbish, recyclables, food/ garden waste and glass) in each dwelling for individual use or in a communal bin store for shared use.
- The communal bin store must not be located at the front of the development and not able to be seen from the street.
- Knox standard waste and recycle services apply. Hard and bundled green waste collection is provided. Can also offer weekly recycle collection for communal bins.

- Bins can be placed kerbside for collection (driver will not leave vehicle to retrieve bins from within the development), space required for two bins (rubbish and recyclables/ glass or rubbish and food/garden waste) per dwelling. Requires 1.7 metres length x 1.0 metre depth per dwelling. Maximum length of bins grouped together is 10.5 metres for a single lot development frontage. Council will consider more bins placed kerbside for larger developments e.g. double lots with central driveway or corner lots.
- Collections can occur on site subject to the waste vehicle not having to reverse into or out of the development, and an Indemnity for the waste contractor is provided by the Responsible Entity.
- Where bins cannot be collected from kerbside or on site- refer 'developments of six or more dwellings - private collection'.
- Council's residential waste service charge will apply.

6.5.2.2 For Private Collection (if Council collection cannot be provided)

- Waste Management Plan is required
- Bins cannot be placed kerbside for collection
- Collection vehicle can stop in street (subject to any restrictions) and driver can walk bins from collection point to vehicle for clearing then return bins to the collection point. Refer clause 7.6 for maximum distance.
- Can provide bins for use of individual units or bins for communal (shared) use (maximum bin size 1,100 litres).
- Storage space to be provided for four waste categories (rubbish, recyclables, food/garden waste and glass) in each dwelling for individual use or in a communal bin store for shared use.
- The communal bin store must not be located at the front of the development and not able to be seen from the street.
- Council hard and bundled garden waste kerbside collection will not be provided. Developments will require private collection with storage and collection on site.
- Collections can occur on site subject to the waste vehicle not having to reverse into or out of the development.
- Council's residential waste service charge will not apply.
- Council may consider a mix of Council and private collections in one development if the property requiring the Council collection is not contained within the Owners Corporation for the privately serviced units, and the collections requirements for Council collection are met

6.5.3 Apartment complexes -

6.5.3.1 For Council collection (preferred option)

- Waste Management Plan is required
- Bins are provided for communal (shared) use (maximum bin size 240 litres).
- Storage space to be provided for four waste categories (rubbish, recyclables, food/garden waste and glass) in communal bin store for shared use.
- The communal bin store is usually in the basement or ground floor.
- Hard and bundled garden waste collection is provided. Can also offer weekly recycle collection.

- Bins must be placed kerbside for collection (driver will not leave vehicle to retrieve bins from within the development), Space required for two bins (rubbish and recyclables/ glass or rubbish and food/garden waste) per dwelling. Requires 1.7 metre length x 1.0metre depth per dwelling. Maximum length of bins grouped together is 10.5 metres for a single lot development frontage. Council will consider more bins placed kerbside for larger developments. E.g. double lots with central driveway or corner lots.
- Collections can occur on site subject to the waste vehicle not having to reverse into or out of the development, and an Indemnity for the waste contractor is provided by the Responsible Entity.
- Where bins cannot be collected from kerbside for the apartment complex - refer 'Apartment complexes-private collection'.
- Council's residential waste service charge will apply.

6.5.3.2 For Private Collection (if Council collection cannot be provided)

- Waste Management Plan is required
- Bins cannot be placed kerbside for collection.
- Collection vehicle can stop in street (subject to any restrictions) and driver can walk bins from collection point to vehicle for clearing then return bins to the collection point. Refer clause 7.6 for maximum distance.
- Bins are provided for communal (shared) use (maximum bin size 1,100 litres).
- Storage space to be provided for four waste categories (rubbish, recyclables, food/garden waste and glass) in a communal bin store for shared use.
- The communal bin store is usually in the basement or ground floor. May also have a dual bin chute system accessible on each floor leading to a central waste area in the basement.
- Council hard and bundled garden waste kerbside collection will not be provided. Developments will require private collection with storage and collection on site. Collections can occur on site subject to the waste vehicle not having to reverse into or out of the development and there is height clearance in the basement to empty the bins.
- Council's residential waste service charge will not apply.

6.5.4 Mixed Use and Commercial Developments

- Waste Management Plan required for commercial and residential use (or Commercial use only) within the development.
- Complete physical separation of the residential and commercial waste facilities is required.
- Provision of bin based rubbish and recycle services by Council to commercial premises is an optional user pays daily or weekly service using 240 litre maximum bin size. Traders can elect to use the Council service or a private contractor. Council does not provide Hard and Garden Waste services for commercial premises.
- When assessing the development, Council will assess the residential component based on the requirements as stipulated in Sections 6.5.1 -6.5.4. of this procedure and the commercial component using the Sustainability Victoria 'Waste Management and Recycling in Multi-Unit Developments, Better Practice Guidelines 2019'.
- Collections can occur on site subject to the waste vehicle not having to reverse into or out of the development.

- For childcare, aged care, and medical developments - collections are to be undertaken outside the operating hours (but within, EPA time constraints) of the business if the waste vehicle is using the car park to access bins. If this cannot be achieved collection are to be undertaken during off peak operating times, typically 10.00am -2.00pm.
- If Council collection, an Indemnity for the waste contractor is to be provided by the Responsible Entity if the waste vehicle is required to access the site.
- Council’s residential and commercial waste service charge will apply if using Council services.

7. Information Requirements

7.1 Land use details

Provide a summary of the proposed development:

- Number of residential dwellings including number of bedrooms per dwelling;
- Number, floor area and intended use of commercial tenancies;
- Number of floors and basement levels;
- Names of adjoining streets;
- Dimensions of street frontages (excluding vehicle and pedestrian crossovers), depth of property and nature strip length and width;
- Location of vehicle access points.

7.2 Waste generation volumes

Waste generation rates for a private residential and /or commercial development must be calculated separately when a Waste Management Plan is required as supporting documentation with the application.

7.2.1 Residential Waste Generation Rates

7.2.1.1 Waste generation rates applicable to 30 June 2023

Dwelling Size	Rubbish (L/week)	Recycling (L/week)
<i>Studio / One Bedroom</i>	<i>80L</i>	<i>120L</i>
<i>Two Bedroom</i>	<i>80L</i>	<i>120L</i>
<i>Three Bedroom or greater</i>	<i>120L</i>	<i>120L</i>

7.2.1.2 Waste generation rates applicable 1 July 2023 onward

Dwelling Size	Rubbish (L/week)	Recycling (L/week)	Food & Garden (L/week)	Glass (L/week)
<i>Studio / One Bedroom</i>	40L	120L	240L	30L
<i>Two Bedroom</i>	40L	120L	240L	30L
<i>Three Bedroom or greater</i>	60L	120L	240L	30L

Note- For this service, individual bins for dwellings are permitted to have

- 80L bins (up to two bedroom) and 120L bins (three bedroom or greater) for fortnightly rubbish. Residents will have the option to upgrade to a larger bin (80L to 120L) or have an additional 120L bin if required, subject to available storage/ collection area. User pay fees will apply. Exemptions may apply.
- Optional 120 L bins for weekly food and garden waste in lieu of a 240 L bin (where minimal food/ garden waste is produced e.g., residents undertaking home composting and/or dwellings with small private open space) will be considered. For Council service there is no reduction in the garbage charge if using the 120 L bin.

Provision must also be made for the storage of the following waste streams:

- Cardboard, generated by residents moving into the development and occasional purchases of household items;
- Garden waste, for developments with garden areas including common area;
- Hard waste, E- waste is to be stored and collected within the development if using a private hard waste collection service

7.2.2 Commercial Waste Generation Rates

Type of Premises	Garbage generation	Recycling generation
Food premises		
<i>Restaurants</i>	<i>660L/100m² floor areas/day</i>	<i>200L/100m² floor areas/day</i>
<i>Supermarkets</i>	<i>660L/100m² floor areas/day</i>	<i>240L/100m² floor areas/day</i>
<i>Convenience Store</i>	<i>300L/100m² floor areas/day</i>	<i>150L/100m² floor areas/day</i>
<i>Café</i>	<i>300L/100m² floor areas/day</i>	<i>200L/100m² floor areas/day</i>
<i>Takeaway / Café (pre-packaged food only)</i>	<i>150L/100m² floor areas/day</i>	<i>150L/100m² floor areas/day</i>

Type of Premises	Garbage generation	Recycling generation
Commercial (non-food)		
Education / Training	5L/100m ² floor areas/day	5L/100m ² floor areas/day
Offices	10L/100m ² floor areas/day	10L/100m ² floor areas/day
Shops	50L/100m ² floor areas/day	50L/100m ² floor areas/day
Warehouses (office)	10L/100m ² floor areas/day	10L/100m ² floor areas/day
Childcare	350L/100m ² floor areas/week	350L/100m ² floor areas/week
Gym	10L/100m ² floor areas/day	10L/100m ² floor areas/day
Other Accommodation		
Retirement Village	60L/apartment/week	60L/apartment/week
Independent Living	80L/apartment/week	80L/apartment/week

Note - Commercial waste generation rates obtained from Waste Management and Recycling in Multi-Unit Developments - Sustainability Victoria, 2019

7.3 Bin quantity and size

A calculation of the quantity and dimensions of bins must be made.

Applicants should use these calculations to demonstrate the adequacy of bin storage areas and (where relevant) street frontages to accommodate bin storage and collection.

The standard approximate dimensions of waste bins are provided below.

Size	Width	Depth	Height
80 Litre	0.5m	0.55m	0.87m
120 litres	0.5m	0.6m	0.94m
240 litres	0.5m	0.6m	1.10m
660 litres	1.36m	0.77m	1.24m
1,100 litres	1.36m	1.07m	1.50m

7.4 Bin storage area or room

Details of bin storage must be provided. Bin storage areas must be located entirely within the property and must not be visible from the street or any external public vantage point. Bin storage space must be clear of car spaces.

Each waste stream is to be clearly labelled and for Mixed Use developments, residential waste must be kept physically separated from commercial waste. The following details must be provided:

- Type and height of screening;
- Gate location;
- Height clearance if in basement;
- Bin room or bin area dimensions;

- Bin layout to show all bins are accessible (minimum 1 metre aisle width) or a note stating that the responsible entity is to rotate bins;
- Ventilation, lighting and security;
- Vermin, odour and noise prevention;
- Stormwater pollution prevention;
- Wash down area with connection to sewer;
- Educational signage (templates are available at www.sustainability.vic.gov.au);
- Responsibility for maintenance, cleaning of bins and bin store.

7.5 Hard Waste/ bundled green waste Storage area

A booked kerbside hard waste (including E-waste) collection twice yearly and a fortnightly bundled green waste collection is available for all residential developments using a Council bin collection service.

Residential properties using a private bin collection service and mixed use properties are required to provide a private hard waste/bundled green waste collection service with a storage collection area on site equivalent to 0.5 square metres per dwelling.

In order to minimise residential hard waste collections Council will consider group bookings through the Owners Corporation. This will provide for two group bookings per annum at dates specified by the Owners Corporation and will be available to all residents. Residents will not be permitted to make individual bookings under this option.

7.6 Bin access, waste sorting and bin movement

Details on how residents will access bins, sort waste, and how bins will be transported from the bin storage area to the point of collection is required. The following is to be complied with.

- Distance from individual property boundary to bin storage area to be no more than 40 metres.
- Distance from bin storage area to the point of collection to be no more than 75 metres for bins up to 360 litres and no more than 5 metres (unless mechanical assistance is provided) for bins greater than 360 litres.
- Moving bins over a gradient steeper than 1 in 14 requires use of mechanical assistance.

7.7 Placement and Collection arrangements

Demonstration of how bins are to be placed and collected is required. Plans must show the location and configuration of bins at the point of collection. The following is to be complied with.

Council collection

- Bins placed kerbside must be in a single row allowing 1.7 metre length x 1.0 metre depth per unit with a 300mm gap between bins and when grouped together, not occupy more than 10.5 metres of the available kerbside property frontage for a single lot development. Council will consider more bins placed kerbside for larger developments e.g. double lots with central driveway or corner lots. Bins must not obstruct driveways, laneways and footpaths and have 1 metre clearance from poles, trees, letter boxes and fire hydrants.
- Hard waste and bundled garden waste collection permitted on the kerbside

- Provision of a levelled area at bin collection points where this is on a sloping site. Includes kerbside collection;

Private collection

- Collection vehicle can stop in street (subject to any restrictions) and driver can walk bins from collection point to vehicle for clearing then return bins to the collection point. Vehicle not permitted to double park. Vehicle may park in front of the driveway of the development if no other parking exists.
- If collecting bins from an undercover area a minimum height clearance is required of 2.5 metres for a 6.4 metre rear loading waste collection vehicle. Must comply with AS2890.2 –Parking facilities off street commercial vehicle facilities.
- Hard waste and bundled garden waste storage and collection required within the complex. Need to allow 0.5 square metres per dwelling for storage.
- Bins collected through a private collection service are not permitted to be placed kerbside for collection.
- Bins may be placed outside a double car garage only (not single garage) for collection and return within 24 hours of placement.

Both

- Collection vehicles are not permitted to reverse into or out of the site, so a turning area is required if they cannot enter or leave in a forward direction. Collection vehicle details including swept path diagrams, vehicle height, height when bin clearance is at its highest point, are required to verify adequate clearance. Refer to Appendix A for waste vehicle dimensions.
- Bin layout to show all bins are accessible (minimum 1 metre aisle width) or a note stating that the responsible entity is to rotate bins

7.8 Collection days and times

- If Council’s collection service is to be utilised, confirm the day of collection and the time when bins can be placed out for collection.
- If a private collection service is to be utilised, indicate that collections must be on the same day and the collection time must comply with EPA Noise Control Guidelines (Publication 1254.2) which states the following times applicable in residential areas for Monday to Saturday:

	Once per week	More than once per week
domestic	6.00am-6.00pm	7.00am- 6.00pm
Industrial/ commercial	6.30am- 8.00pm	7.00am- 8.00pm

Note- the number of collections per week refers to the waste stream

7.9 Scaled drawings

Drawings submitted with the application must show (to a scale of 1:100 or 1:200) the location and dimensions of:

Bin storage areas

- Bin storage area/s including dimensions
- Bin types/layout (show bins clearly labelled or coloured for each waste stream and able to be accessed without having to move other bins);
- Screening (height and type) and access gate(s),

Bin collection points

- For kerbside collection, site plan identifying bin presentation location with bin configuration shown (for each dwelling),and indicating all street furniture, poles, signs, street lights, trees, vehicle crossings;
- For on-site collection, bin collection area/s to be shown indicating bin configuration, screening, access gate;
- Swept paths for collection vehicles, demonstrating required clearance of collection vehicles during bin collection, ensuring entry and exit in a forward direction;
- Transfer paths and gradients from bins storage to bin collection areas;
- Basement clearances, if applicable;
- Location of hard waste storage/garden waste storage.

7.10 Health, safety and amenity

Measures to protect the health, safety and amenity of residents and the general community must be explained. Matters to be addressed include the items listed under 7.4- Bin Storage Area or Room.

7.11 Waste reduction strategies

Outline how residents will be encouraged to recycle materials and avoid and reduce waste disposal, i.e. composting food waste, garden waste, e-waste, soft plastics, batteries.

7.12 Responsibility for plan implementation and revisions

Nominate who will be responsible for the ongoing operation and maintenance of the Waste Management Plan and systems, including addressing areas of non-compliance and revisions of the plan, either due to legislative changes or the Waste Management Plan not being implemented e.g. Building Manager, Owners' Corporation.

7.13 Waste management rules for occupants

Outline how residents, traders will be made aware of the Waste Management Plan requirements- bin types, storage and collection arrangements, responsibility for cleaning, litter collection, bin and bin store maintenance.

APPENDIX A – Waste Vehicle Details

Council Waste Collection Vehicles

Council’s bin based waste collection fleet consists of “side loading” vehicles so all collections are from the left side of the vehicle as it is driving forward. The vehicle details are provided in the table below. Note that the driver does not leave the vehicle to move bins.

Vehicle	Length	Width	Height	Wheelbase	Lifting Height	Gross Vehicle Mass
Garbage, Garden, Hard Waste Vehicle	9.5m	2.5m	3.4m	5.0m	3.7m	23.0 tonnes
Recycle Vehicle	9.83m	2.5m	4.01m	5.2m	3.7m	23.0 tonnes

Private Waste Collection Vehicles

Private waste collection companies may have smaller “rear loading” vehicles where the bins are brought to the rear of the vehicle for collection. The vehicle details are provided in the table below. These are approximate only as there are differing vehicle manufactures.

Vehicle	Length	Width	Height	Wheelbase	Lifting Height	Gross Vehicle Mass
Rear Load Vehicle	6.5m	2.5m	2.5m	3.5m	2.5m	7.3 tonnes

APPENDIX B—waste management bin services in Residential Properties from July 2023

Waste Service	Bin Type
Rubbish	Bin with red lid (80L or 120L – fortnightly)
Co-mingled recycling	Bin with yellow lid (240L – fortnightly)
Food and Garden bin	Bin with green lid (240L – weekly) Note- 120L may be considered
Glass	Bin with purple lid (120L- four weekly - to be confirmed)

APPENDIX C – Waste Management Plan Guidelines