

DICKENS SOLUTIONS

(REF – 26044)

WASTE MANAGEMENT PLAN

ARADA GROUP PTY LTD
(TURNER)

RESIDENTIAL FLAT BUILDING
DEVELOPMENT

@
2 FISHBURN CRESCENT
CASTLE HILL

APRIL 2026

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PART 1 – OVERVIEW AND PROPOSAL

1.1 INTRODUCTION

This Waste Management Plan (WMP) is an operational plan that describes in detail the manner in which all waste and other materials resulting from the demolition, construction and on-going use of the building on the site are to be dealt with.

The aims and objectives of this WMP are to: -

- a) Satisfy all State and Local Government regulatory controls regarding waste management and minimisation practices;
- b) Promote the use of recyclable materials in the excavation, demolition, construction and on-going operation of the building;
- c) Maximise waste reduction, material separation, and resource recovery in all stages of the development;
- d) Ensure the design of waste and recycling storage facilities are of an adequate size, appropriate for the intended use of the building, hygienic with safe and manoeuvrable access;
- e) Ensure that the provision of waste and recycling services to the completed building is carried out in an efficient manner, that will not impact negatively on the health, safety and convenience of all stakeholders.

The land on which the development is proposed is located within The Hills Shire LGA.

This WMP is prepared in accordance with: -

- The Hills Local Environment Plan 2012,
- The Hills DCP 2012, and relevant waste management guidelines,
- Relative requirements for SEAR'S State Significant Development,
- The 'Better Practice Guide for Resource Recovery in Residential Buildings, published by the NSW EPA (April 2019),
- All Conditions of Consent issued under the approved Development Application,
- and,
- The objective of ensuring that all waste management facilities and collection services will provide an outcome that will be effective and efficient, as well as promote the principles of health, safety and convenience.

This Waste Management Plan has been prepared for a Development Application to be submitted to the NSW Planning Panel under the relative requirements for State Significant (SEAR's) Development for the construction of three buildings of residential at a consolidated site being 2 Fishburn Crescent, Castle Hill (16-20 Carrington Road, 2-12 Middleton Avenue, 4-6 Fishburn Crescent, and 25-31 Sexton Avenue), comprising:

- Building A – 25 storey building containing 140 x 1, 2, 3 and 4 bedroom units,
- Building B – 18 storey building containing 142 x 1, 2, 3 and 4 bedroom units,
- Building C – 12 storey building containing 163 x 1, 2, 3 and 4 bedroom units,
- One (1) basement level, common to all buildings, and,
- Associated infrastructure.

445 x 1, 2, 3 and 4 bedroom units in total over all three (3) buildings.

This Waste Management Plan (WMP) is dated 30 April 2026 and has been prepared to be submitted to the NSW Planning Panel as part of the Development Application

for the proposal. The WMP has been developed and documented in accordance with the Architectural Drawings prepared by Turner – Project 23-22.

1.2 STATE SIGNIFICANT DEVELOPMENT (SEAR'S REQUIREMENTS)

In accordance with the relevant SEAR's requirements, the following information is provided:

- Project Name – Residential Flat Buildings 2 Fishburn Crescent, Castle Hill.
- Site Description – Lot 1 in DP253774 16 Carrington Street, Lot 27 in DP247890 18 Carrington Street, Lot 26 in DP247890 20 Carrington Street, Lot 2 in 125735 2 Middleton Street, Lot 24 in DP247890 4 Middleton Street, Lot 23 in DP247890 6 Middleton Street, Lot 22 in DP247890 8 Middleton Street, Lot 21 in DP247890 10 Middleton Street, Lot 20 in DP247890 12 Middleton Street, Lot 32 in DP247890 4 Fishburn Crescent, Lot 31 in DP247890 6 Fishburn Avenue, Lot 30 in DP247890 31 Sexton Avenue, Lot 29 in DP247890 29 Sexton Avenue, Lot 28 in DP247890 27 Sexton Avenue, Lot 2 in DP253772 25 Sexton Avenue, within The Hills Shire.
- Proponent – Arada Development Management Pty Ltd.
- SEAR'S Details – Application No SSD-83112728
- Project Description – Refer to Part 1.4 – PROJECT & PROPERTY DESCRIPTION on page 5.
- Cumulative Impact – The construction of the three (3) residential flat buildings will provide in-demand housing and accommodation, including affordable housing for residential purposes, in the growing and in demand north-western Sydney region – during the demolition and construction phases of the project, activities will impact on the amenity of the area in the short term – upon the completion and occupation of the buildings, containing a total number of 445 units, it will provide accommodation for approximately 1,000 persons – this will impact on traffic, parking, stormwater and sewer, and associated infrastructure.
- Mitigation Measures – This Waste Management Plan (WMP) provides comprehensive details of all waste management activities involved in both the demolition and construction pages, with a focus on recycling and re-use with positive outcomes being put in place during the course of both stages – Waste management strategies have been incorporated into the WMP to provide efficient and effective outcomes in relation to all waste storage and collection activities.
- Evidence of Consultation – in the preparation of this document, consultation has been made with all relevant stakeholders, including, Turner, Town Planning consultant, Arada Development Management, traffic consultant, and The Hills Shire Council.
- Statement of Inclusion – It is considered that the WMP meets the requirements of all relevant matters pertaining to the submission of this Application.

1.4 PROJECT & PROPERTY DESCRIPTION

This Waste Management Plan (WMP) has been specifically designed for the development described below: -

DESCRIPTION	Three (3) x Multi-storey residential flat buildings
DETAILS	Building A – 25 storey building containing 140 x 1, 2, 3 and 4 bedroom units, Building B – 18 storey building containing 142 x 1, 2, 3 and 4 bedroom units, Building C – 12 storey building containing 163 x 1, 2, 3 and 4 bedroom units, One (1) basement level, common to all buildings, and, Associated infrastructure.
PROPERTY DESCRIPTION	The development is to be constructed over fifteen (15) existing Torrens Title allotments at - 16-20 Carrington Road, - 2-12 Middleton Avenue, - 4-6 Fishburn Avenue, and - 25-31 Sexton Avenue, Castle Hill.
SITE ADDRESS	2 Fishburn Crescent, Castle Hill
AREA	14,218sqm
LGA	The Hills Shire Council
ZONING	R4 – High Density Residential
PLANNING INSTRUMENTS	The Hills Local Environment Plan 2019 The Hills DCP 2012

1.5 APPLICANTS DETAILS

APPLICANT	CFMS Dev Pty Ltd Att. Mr Simon Lee
ADDRESS	Level 9, 60 Castlereagh Street, Sydney. NSW. 2000.
E-MAIL	s.lee@arada.com

1.6 PROPOSAL

The proposal involves the construction of three buildings of residential at a consolidated site known as 2 Fishburn Crescent, Castle Hills (16-20 Carrington Road, 2-12 Middleton Avenue, 4-6 Fishburn Crescent, and 25-31 Sexton Avenue) comprising:

- Building A – 25 storey building containing 140 x 1, 2, 3 and 4 bed-room units,
- Building B – 18 storey building containing 142 x 1, 2, 3 and 4 bed-room units,
- Building C – 12 storey building containing 163 x 1, 2, 3 and 4 bed-room units,
- One (1) basement level, common to all buildings, and,
- Associated infrastructure.

445 x 1, 2, 3 and 4 bedroom units in total over all three (3) buildings.

Egress to the site is onto Fishburn Avenue at the southern frontage of the development.

Garbage chutes will be incorporated into each building design for the residential component of the building for the reception of waste material only. All waste storage facilities areas are located on the ground floor of the building.

All waste and recycling services to the development will be provided from a designated loading bay located adjacent the waste storage area.

Council's waste and recycling collection contractor will provide all residential waste and recycling services.

The one (1) basement levels constructed under the building will provide for: -

- Resident, visitor, and adaptable car parking,
- Storage spaces, bicycle spaces and motor-cycle bays,
- Services, and,
- Areas for lift wells, and other facilities in each basement.

The entire site is now vacant with all buildings and structures being removed from the site.

The project consists of: -

- a) The levelling and clearing of the removal;
- b) The excavation of the site to construct the basement levels of the building for car parking and other services;
- c) The construction of the buildings;
- d) The provision of landscaping, driveways, concrete pathways and other elements associated with the development; and,
- e) The on-going use of the building.

A Waste Management Plan detailing all demolition, construction, and operational waste operations is required to be submitted to the NSW Planning Panel as part of the SEAR's Development Application package.

This Waste Management Plan has been developed not only to satisfy Council's requirements, but also to ensure that all waste management activities associated with the development are carried out and conducted in accordance with best practice industry standards.

PART 2 – DEMOLITION

2.1 DEMOLITION – OVERVIEW

The entire site is now vacant with all buildings and structures being removed from the site. All details in relation to the clearing, levelling and excavation of the site are dealt within Part 3 – CONSTRUCTION on pages 8 to 12 of this WMP.

PART 3 – CONSTRUCTION

3.1 CONSTRUCTION – GENERALLY

Upon completion of all demolition works, construction of the building will commence with the excavation of the site for the basement levels of the building. All materials sourced from these activities will be disposed of in accordance with the information provided in Part 3.2 on pages 8, 9, 10, 11 and 12 of this WMP.

Additionally, all materials used in the construction of the building that are not required to be incorporated into it, shall be recycled, reused, or disposed of in accordance with these provisions, and the requirements of the Protection of the Environment Operations Act (1997). It will be the developer's overall responsibility to ensure compliance in this regard.

Mobile Bins of an appropriate size will be located on site for the collection of food scraps, beverage containers, and other waste generated on site by workers.

3.2 CONSTRUCTION – RECYCLING, REUSE & DISPOSAL DETAILS

The following details prescribe the manner in which all materials surplus to the construction of the building will be dealt with, and includes: -

- a) An estimate of the types and volumes of waste and recyclables to be generated,
- b) A site plan showing sorting and storage areas for construction waste and vehicle access to these areas (see Part 3.3 of this Plan),
- c) How excavated and other materials surplus to construction will be reused or recycled and where residual wastes will be disposed (see below), and,
- d) The total percentage of waste surplus to construction to be reused or recycled.

1. Excavated Materials

Volume / Weight	17,000 Cubic Metres / 6,800 Tonnes (Basements excavation)
On Site Reuse	Yes. Keep and reuse topsoil for landscaping. Shore on site. Use some for support of retaining walls (Excavated Materials are only to be used if the material is not contaminated or has been remediated in accordance with any requirements specified by any Environmental Consultancy engaged to carry out any contamination assessment of excavated material).
Percentage Reused or Recycled	To be determined (see above comments)
Off Site Destination	Refer to Part 3.5 on page 12.

2. Bricks

Volume / Weight	5 cubic metres / 5 Tonnes
On Site Reuse	Clean and remove lime mortar from bricks. Broken bricks for internal walls. Crush and reuse as drainage backfill. Crushed and used as aggregate.
Percentage Reused or Recycle	75% - 90%
Off Site Destination	Refer to Part 3.5 on page 12.

3. Concrete

Volume / Weight	6 cubic metres / 14.4 Tonnes
On Site Reuse	Existing driveway to be retained during construction. Crushed and used as aggregate, drainage backfill.
Percentage Reused or Recycled	60% - 75%
Off Site Destination	Refer to Part 3.5 on page 12.

4. Timber

Volume / Weight	5 cubic metres / 7 Tonnes
On Site Reuse	Re-use for formwork and studwork, and for landscaping
Percentage Reused or Recycled	65% - 90%
Off Site Destination	Refer to Part 3.5 on page 12.

5. Plasterboard & Fibro

Volume / Weight	6 cubic metres / 2 Tonnes
On Site Reuse	No – all material will be transported for disposal off-site.
Percentage Reused or Recycled	To be determined
Off Site Destination	Refer to Part 3.5 on page 12.

6. Metals / Steel / Guttering & Downpipes

Volume / Weight	5 cubic metres / 0.25 Tonnes
On Site Reuse	No
Percentage Reused or Recycled	60 – 90%
Off Site Destination	Refer to Part 3.5 on page 12.

7. Roof Tiles / Tiles

Volume / Weight	4 cubic metres / 3 Tonnes
On Site Reuse	Broken up and used as fill.
Percentage Reused or Recycled	80% - 90%
Off Site Destination	Refer to Part 3.5 on page 12.

8. Plastics

Volume / Weight	5 cubic metres / 1 Tonne
On Site Reuse	Nil
Percentage Reused or Recycled	80% - 95%
Off Site Destination	Refer to Part 3.5 on page 12.

9. Glass, Electrical & Light Fittings, PC items

Volume / Weight	5 cubic metres / 1 Tonne
On Site Reuse	No
Percentage Reused or Recycled	70% - 90%
Off Site Destination	Refer to Part 3.5 on page 12.

10. Fixture & Fittings (Doors Fittings, Other Fixtures, etc)

Volume	10 cubic metres / 3.3 Tonnes
On Site Reuse	Broken up and used as fill.
Percentage Reused or Recycle	80% - 90%
Off Site Destination	Refer to Part 3.5 on page 12.

11. Pallets

Volume / Weight	25 cubic metres / 8 Tonne
On Site Reuse	No
Percentage Reused or Recycle	90% - 100%
Off Site Destination	Refer to Part 3.5 on page 12.

12. Residual Waste

Volume / Weight	2,000 cubic metres / 2,000 Tonnes
On Site Reuse	No
Off Site Destination	Refer to Part 3.5 on page 12.
Notes on calculation of volume of residual waste	1. In calculating the amount of residual waste produced from the demolition of all buildings on site, it is estimated that 10% of it, will be residual waste. 2. As all of the materials vary in weight per volume, a figure of 1 cubic metre of material is equal to 1 tonne in weight has been used.

It is noted that the quantities of materials detailed in this section (Part 3.2) are estimates only, based on current industry standards and quantity analysis, and may vary due to the prevailing nature of construction constraints, weather conditions, and any other unforeseeable activities associated with the construction of the buildings, which are beyond the control of the developer, including but not being limited to theft, accidents, and other acts of misadventure. Notwithstanding any of the above, the developer will provide Council with all details in relation to any major variations in this regard.

The facilities and agencies that have been nominated to receive the materials listed above have been identified within the NSW waste industry as being a facility or agency that will accept the materials specified in each respective table.

The developer understands that any costs associated with the transportation and receipt of all materials will be their responsibility. The developer is under no obligation to use any nominated facility or agency, but should any alternative arrangements be made, it will be the developers' responsibility to ensure that all materials excess to construction removed from the site are disposed of, or processed, appropriately.

The developer will keep a written record of all documentation associated with the transportation, disposal and processing of all materials associated with the demolition of all structures on site. Additionally, during the construction of the building, every effort will be made to reduce and minimise the amount of building materials excess to its construction.

3.3 CONSTRUCTION – ON-SITE STORAGE OF MATERIALS

During the construction of the buildings, an area will be set aside on the site as a compound for the on-site storage of materials prior to their removal from the site. This compound will provide for: -

- Material sorting,
- Segregation of materials that may be hazardous and which will be required to be disposed of,
- Recovery equipment, such as concrete crushers, chippers, and skip bins,
- Material storage, and,
- Access for transport equipment.

Appropriate vehicular access will be provided on and off site, and to the compound, to enable the efficient removal of reusable, recyclables, and waste materials.

Prior to the commencement of construction works, the developer will provide Council with a 'Site Plan for the On-Site Storage of Materials at Construction'. This plan will show in detail the location of each area within the compound, set aside for the segregated storage of all materials involved in the demolition of all buildings on the site.

3.4 CONSTRUCTION – EXCAVATED MATERIAL

All excavated material removed from the site, as a result of any activities associated with the construction of the building, must be classified in accordance with the Department of Environment, Climate Change and Water NSW Waste Classification Guidelines prior to removal, transportation and disposal to an approved waste management facility. All relevant details must be reported to the PCA.

3.5 LICENSED PROCESSING & DISPOSAL FACILITIES

The facilities nominated below are appropriately licensed to receive the materials nominated in Tables 1 to 10 on pages 6 to 8 and Part 2.7 on page 10.

1. Blacktown Waste Services, 920 Richmond Road, Marsden Park.
Tel 9835 4544
2. Bingo Industries, 3-5 Duck Street, Auburn, or 38 McPherson Street, Banksmeadow.
Tel 1300 424 646
3. Jacks Gully Waste Management Centre, Richardson Road, Narellan.
Tel 1300 651 116
4. Lucas Heights Waste Management Centre, New Illawarra Road, Lucas Heights.
Tel 1300 651 116
5. Veolia Eastern Creek Resource Recovery Park, Wallgrove Road, Eastern Creek. Tel 8887 6112

The facilities and agencies that receive the materials listed above are, licensed and generally able, to accept the materials specified.

The appointed contractor understands that any costs associated with the transportation and receipt of these materials will be their responsibility.

Based on the above information, it is anticipated that between 75% and 85% of all materials excess to construction needs will be able to be recycled or re-used, well above the Council's required targets.

The appointed contractor is under no obligation to use any nominated facility or agency, but should any alternative arrangements be made, it will be the contractors responsibility to ensure that all demolished materials removed from the site are disposed of, or processed, appropriately.

The developer will keep a written record of all documentation associated with the transportation, disposal, and processing of all materials excess to the construction of the building.

Additionally, during the construction of the building, every effort will be made to reduce and minimise the amount of building materials excess to construction.

PART 4 GARBAGE CHUTE SYSTEM

4.1 DESIGN REQUIREMENTS

Linear Garbage Chute Systems will be incorporated into the building design for each building. The chutes will be dual chutes for the reception and transfer of both waste and recycling material.

The development comprises of three (3) multi storey buildings consisting of:

- Building A – 25 storey building containing 140 x 1, 2, 3 and 4 bed-room units,
- Building B – 18 storey building containing 142 x 1, 2, 3 and 4 bed-room units,
- Building C – 12 storey building containing 163 x 1, 2, 3 and 4 bed-room units,
- One (1) basement levels, common to all buildings, and,
- Associated infrastructure.

(Buildings A & C have two (2) separate cores and Building B has one (1) single core). As such there will be five (5) separate dual waste and recycling chute systems.

All waste deposited into the waste chutes will discharge into 1100-litre mobile bins placed onto a three (3) bin mechanically operated linear track system which are provided in one (1) of five (5) bin/chute rooms in located on the Lower Ground Floor and Ground Floor as indicated on the Architectural Drawings.

The waste bins will be compacted to a ratio of 2:1, which will result in 12 x 1100-litre mobile waste bins required to be serviced two (2) days per week.

All recycling material deposited into the recycling chutes will discharge into 1100-litre mobile bins placed onto a three (3) bin mechanically operated linear track system which are provided in one (1) of five (5) bin/chute rooms in located on the Lower Ground Floor and Ground Floor as indicated on the Architectural Drawings.

The linear systems are located next to each other in each of the bin chute rooms as detailed in the Architectural Drawings.

At a minimum each Garbage and Recycling Chute System will be designed to meet the following requirements: -

1. Chutes and service openings must be constructed of metal or other smooth faced, durable, fire resistant and impervious material of non-corrosive nature.
2. Chutes will be cylindrical in section with a minimal internal diameter of 500 mm. The diameter around each chute will be a minimum width of 750 mm to allow for infrastructure fittings, such as fixing brackets and noise insulation.
3. Chutes will be vertical without bends or “off-sets” (except for the chute outlets) and not be reduced in diameter.
4. The waste chutes will terminate in the Bin/Chute Room located in Lower ground floor and Ground Floor and discharge all waste material into a 1100-litre receptacle placed onto the three (3) Bin Linear track system.
5. The recycling chutes will terminate in the Bin/Chute Room located in Lower ground floor and Ground Floor and discharge all recycling material into a 1100-litre receptacle placed onto the three (3) Bin Linear track system.
6. The Chute and service openings must be capable of being easily cleaned.
7. Chutes must be ventilated to ensure that air does not flow from the chute through any service opening.

8. The Garbage Chute systems must comply with the relative provisions of the Building Code of Australia, and relevant Australian Standards (e.g., AS1530.4-2005).
9. All Linear Bin Systems will be designed, manufactured and installed in accordance with relevant Australian Standards and to manufacturers specifications.
10. A compaction system will be provided in order to compact the waste material at a 2:1 ratio, which will allow for the reduction in the number of waste bins to 19 x 1100-litre mobile waste bins.

4.2 BUILDING A1 – SOUTH-WEST CORE – USE & OPERATION OF CHUTES

Building A1 is located in the western side of the site with a frontage to Middleton Avenue. It accommodates 49 units.

Service rooms in the form of 'Waste and Recycling Compartments' each with their own hopper door providing access to each chute will be provided to each residential level of the building. Each of the chute rooms are located on the main lobby of Block A1, on the eastern side of the two (2) Lifts on the as indicated in the Architectural Drawings.

In general, each Waste and Recycling Chute Compartment will have approximate internal dimensions of 1.0m x 1.0m, with a floor area of 1.0sqm, and will provide space for each chute compartment, which will have internal dimensions of 750 mm x 750mm and will be installed within these confines in a fire rated compartment.

The linear track bin systems for both of the waste and recycling chutes are designed to provide space for 3 x 1100-litre bins but will actually hold 2 x 1100-litre bins, as space on the track is to be provided to allow the bins to be moved to the rear of the track when the automated system is activated to recognise that one of the bins (the middle bin) is full. The tracks are located side by side as indicated on the Architectural Drawings.

The bin/chute room for Building A1 is located on the western side of the Ground Floor, on the eastern side of Lifts A1A and A1B.

4.2.1 Waste Chute

Residents will deposit waste material into the chute inlet hopper, labelled '**Waste Chute – Reception of Garbage Only**'.

Based on Council's waste generation rates (120-litres of space per unit per week), it is anticipated that the 49 units in the building will generate 5,880-litres of waste per week, or 840-litres per day. With the waste material being compacted at a 2:1 ratio, the amount of material will be reduced to 2,940-litres per week, or 420-litres per day. As the capacity of the waste bins on the track is 2,200-litres, Bin/Chute Room A1, will be inspected at least once (1) per day in order to ensure that waste receptacles will be removed when full.

Full waste bins will be removed from under the Chute outlet and replaced immediately with an empty one.

The Building Manager or their authorised representative will be responsible for transferring full 1100-litre recycling bins from under the chute into the to the bin storage

area of the room, where they will be stored for servicing. Full waste bins removed from under the Chute outlet and replaced immediately with an empty one.

The Building Manager or their authorised representative will monitor all activities associated with the use and operation of the chute, the depositing of recycling into it, to ensure that there will be no spillage, and that the system operates effectively.

4.2.2 Recycling Chute

Residents will deposit recycling material into the chute inlet hopper, labelled 'Recycling Chute – Reception of Recycling Material Only'.

Based on Council's recycling generation rates (100-litres of space per unit per week), it is anticipated that the 49 units in Block A1 will generate 4,900-litres of recycling material per week, or 700-litres per day.

As the capacity of the recycling bins on the track is 2,200-litres, Bin/Chute Room A1, will be inspected at least once (1) per day in order to ensure that waste receptacles will be removed when full.

The Building Manager or their authorised representative will be responsible for transferring full 1100-litre recycling bins from under the chute into the to the bin storage area of the room, where they will be stored for servicing.

Full waste bins removed from under the Chute outlet and replaced immediately with an empty one.

The Building Manager or their authorised representative will monitor all activities associated with the use and operation of the chute, the depositing of recycling into it, to ensure that there will be no spillage, and that the system operates effectively.

4.3 BUILDING A2 – NORTHERN CORE – USE & OPERATION OF CHUTES

Building A2 is located in the north-western side of the site with frontages to both Carrington Road and Middleton Avenue. It accommodates 91 units.

Service rooms in the form of 'Waste and Recycling Compartments' each with their own hopper door providing access to each chute will be provided to each residential level of the building. Each of the chute rooms are located on the main lobby of Block A2, on the northern side of the Lifts on the as indicated in the Architectural Drawings.

In general, each Waste and Recycling Chute Compartment will have approximate internal dimensions of 1.0m x 1.0m, with a floor area of 1.0sqm, and will provide space for each chute compartment, which will have internal dimensions of 750 mm x 750mm and will be installed within these confines in a fire rated compartment.

The linear track bin systems for both of the waste and recycling chutes are designed to provide space for 3 x 1100-litre bins but will actually hold 2 x 1100-litre bins, as space on the track is to be provided to allow the bins to be moved to the rear of the track when the automated system is activated to recognise that one of the bins (the middle bin) is full. The tracks are located side by side as indicated on the Architectural Drawings.

The bin/chute room for Building A2 is located on the western side of the Lower Ground Floor, on the eastern side of Lifts A2A and A2B.

4.3.1 Waste Chute

Building A2 is located in on the Western side of the site the north-western corner of the site with frontages to Middleton Avenue. It accommodates 91 units x 1, 2 and 3 and 4 bedroom units.

Residents will deposit waste material into the chute inlet hopper, labelled '**Waste Chute – Reception of Garbage Only**'.

Based on Council's waste generation rates (120-litres of space per unit per week), it is anticipated that the 91 units in the building will generate 10,920-litres of waste per week, or 1,560-litres per day. With the waste material being compacted at a 2:1 ratio, the amount of material will be reduced to 5,460-litres per week, or 780-litres per day.

As the capacity of the waste bins on the track is 2,200-litres, Bin/Chute Room A1, will be inspected at least once (1) per day in order to ensure that waste receptacles will be removed when full.

Full waste bins will be removed from under the Chute outlet and replaced immediately with an empty one.

The Building Manager or their authorised representative will be responsible for transferring full 1100-litre recycling bins from under the chute into the to the bin storage area of the room, where they will be stored for servicing.

Full waste bins removed from under the Chute outlet and replaced immediately with an empty one.

The Building Manager or their authorised representative will monitor all activities associated with the use and operation of the chute, the depositing of recycling into it, to ensure that there will be no spillage, and that the system operates effectively.

4.3.2 Recycling Chute

Residents will deposit recycling material into the chute inlet hopper, labelled '**Recycling Chute – Reception of Recycling Material Only**'.

Based on Council's recycling generation rates (100-litres of space per unit per week), it is anticipated that the 91 units Block A2 will generate 9,100-litres of recycling material per week, or 1,300-litres per day.

As the capacity of the recycling bins on the track is 2,200-litres, Bin/Chute Room A1, will be inspected at least once (1) per day in order to ensure that waste receptacles will be removed when full.

The Building Manager or their authorised representative will be responsible for transferring full 1100-litre recycling bins from under the chute into the to the bin storage area of the room, where they will be stored for servicing.

Full waste bins removed from under the Chute outlet and replaced immediately with an empty one.

The Building Manager or their authorised representative will monitor all activities associated with the use and operation of the chute, the depositing of recycling into it, to ensure that there will be no spillage, and that the system operates effectively.

4.4 BUILDING B – USE & OPERATION OF CHUTES

Building B is located in the northern side of the fronting Carrington Road. It accommodates 142 units, 1, 2 & 3 and 4 bedroom units.

Service rooms in the form of 'Waste and Recycling Compartments' each with their own hopper door providing access to each chute will be provided to each residential level of the building. Each of the chute rooms are located on the main lobby of Block B, on the western side of the three (3) Lifts on the as indicated in the Architectural Drawings.

In general, each Waste and Recycling Chute Compartment will have approximate internal dimensions of 1.0m x 1.0m, with a floor area of 1.0sqm, and will provide space for each chute compartment, which will have internal dimensions of 750 mm x 750 mm and will be installed within these confines in a fire rated compartment.

The linear track bin systems for both of the waste and recycling chutes are designed to provide space for 3 x 1100-litre bins but will actually hold 2 x 1100-litre bins, as space on the track is to be provided to allow the bins to be moved to the rear of the track when the automated system is activated to recognise that one of the bins (the middle bin) is full. The tracks are located side by side as indicated on the Architectural Drawings.

The bin/chute room for Building B is located on the eastern side of the ~~Lower~~ Ground Floor, on the western side of Lifts BB and BC.

4.4.1 Waste Chute

Residents will deposit waste material into the chute inlet hopper, labelled '**Waste Chute – Reception of Garbage Only**'.

Based on Council's waste generation rates (120-litres of space per unit per week), it is anticipated that the 142 units in Building B will generate 17,040-litres of waste per week, or 2,434.28-litres per day. With the waste material being compacted at a 2:1 ratio, the amount of material will be reduced to 8,520-litres per week, or 1,217.14-litres per day.

As the capacity of the waste bins on the track is 2,200-litres, Bin/Chute Room B, will be inspected at least once (1) per day in order to ensure that waste receptacles will be removed when full.

Full waste bins will be removed from under the Chute outlet and replaced immediately with an empty one.

The Building Manager or their authorised representative will be responsible for transferring full 1100-litre recycling bins from under the chute into the to the bin storage area of the room, where they will be stored for servicing.

Full waste bins removed from under the Chute outlet and replaced immediately with an empty one.

The Building Manager or their authorised representative will monitor all activities associated with the use and operation of the chute, the depositing of waste into it, to ensure that there will be no spillage, and that the system operates effectively.

4.4.2 Recycling Chute

Residents will deposit recycling material into the chute inlet hopper, labelled **'Recycling Chute – Reception of Recycling Material Only'**.

Based on Council's recycling generation rates (100-litres of space per unit per week), it is anticipated that the 142 units in Block B1 will generate 14,200-litres of recycling material per week, or 2,028.57-litres per day.

As the capacity of the recycling bins on the track is 2,200-litres, Bin/Chute Room B, will be inspected at least once (1) per day in order to ensure that waste receptacles will be removed when full.

The Building Manager or their authorised representative will be responsible for transferring full 1100-litre recycling bins from under the chute into the bin storage area of the room, where they will be stored for servicing.

Full waste bins removed from under the Chute outlet and replaced immediately with an empty one.

The Building Manager or their authorised representative will monitor all activities associated with the use and operation of the chute, the depositing of recycling into it, to ensure that there will be no spillage, and that the system operates effectively.

4.5 BUILDING C1 – SOUTH-WEST CORE – USE & OPERATION OF CHUTES

Building C1 is located in the south-western corner of the site at the intersection of Middleton Avenue and Fishburn Crescent. It accommodates 94 units x 1, 2, 3 and 4 bedroom units.

Service rooms in the form of 'Waste and Recycling Compartments' each with their own hopper door providing access to each chute will be provided to each residential level of the building. Each of the chute rooms are located on the lobby of Block C1, on the southern side of the two (2) Lifts on the as indicated in the Architectural Drawings.

In general, each Waste and Recycling Chute Compartment will have approximate internal dimensions of 1.0m x 1.0m, with a floor area of 1.0sqm, and will provide space for each chute compartment, which will have internal dimensions of 750 mm x 750 mm and will be installed within these confines in a fire rated compartment.

The linear track bin systems for both of the waste and recycling chutes are designed to provide space for 3 x 1100-litre bins but will actually hold 2 x 1100-litre bins, as space on the track is to be provided to allow the bins to be moved to the rear of the track when the automated system is activated to recognise that one of the bins (the middle bin) is full. The tracks are located side by side as indicated on the Architectural Drawings.

The bin/chute room for Building C1 is located on the western side of the Lower Ground Floor, on the southern side of Lifts C1A and C1B.

4.5.1 Waste Chute

Residents will deposit waste material into the chute inlet hopper, labelled **'Waste Chute – Reception of Garbage Only'**.

Based on Council's waste generation rates (120-litres of space per unit per week), it is anticipated that the 94 units in Building C1 will generate 11,280-litres of waste per week, or 1,611.42-litres per day. With the waste material being compacted at a 2:1 ratio, the amount of material will be reduced to 5,640-litres per week, or 805.71-litres per day.

As the capacity of the waste bins on the track is 2,200-litres, Bin/Chute Room C1, will be inspected at least once (1) per day in order to ensure that waste receptacles will be removed when full.

Full waste bins will be removed from under the Chute outlet and replaced immediately with an empty one.

The Building Manager or their authorised representative will be responsible for transferring full 1100-litre recycling bins from under the chute into the to the bin storage area of the room, where they will be stored for servicing.

Full waste bins removed from under the Chute outlet and replaced immediately with an empty one.

The Building Manager or their authorised representative will monitor all activities associated with the use and operation of the chute, the depositing of waste into it, to ensure that there will be no spillage, and that the system operates effectively.

4.5.2 Recycling Chute

Residents will deposit recycling material into the chute inlet hopper, labelled '**Recycling Chute – Reception of Recycling Material Only**'.

Based on Council's recycling generation rates (100-litres of space per unit per week), it is anticipated that the 94 units in Block C1 will generate 9,400-litres of recycling material per week, or 1,342.85-litres per day.

As the capacity of the recycling bins on the track is 2,200-litres, Bin/Chute Room C1, will be inspected at least once (1) per day in order to ensure that waste receptacles will be removed when full.

The Building Manager or their authorised representative will be responsible for transferring full 1100-litre recycling bins from under the chute into the to the bin storage area of the room, where they will be stored for servicing.

Full waste bins removed from under the Chute outlet and replaced immediately with an empty one.

The Building Manager or their authorised representative will monitor all activities associated with the use and operation of the chute, the depositing of recycling into it, to ensure that there will be no spillage, and that the system operates effectively.

4.6 BUILDING C2 – SOUTH-EAST CORE – USE & OPERATION OF CHUTES

Building C2 is located in the north-eastern side of site fronting Carrington Road. It accommodates 69 units x 1, 2 and 3 bedroom units.

Service rooms in the form of 'Waste and Recycling Compartments' each with their own hopper door providing access to each chute will be provided to each residential level

of the building. Each of the chute rooms are located on the lobby of Block C2, on the northern side of the two (2) Lifts on the as indicated in the Architectural Drawings.

In general, each Waste and Recycling Chute Compartment will have approximate internal dimensions of 1.0m x 1.0m, with a floor area of 1.0sqm, and will provide space for each chute compartment, which will have internal dimensions of 750 mm x 750 mm and will be installed within these confines in a fire rated compartment.

The linear track bin systems for both of the waste and recycling chutes are designed to provide space for 3 x 1100-litre bins but will actually hold 2 x 1100-litre bins, as space on the track is to be provided to allow the bins to be moved to the rear of the track when the automated system is activated to recognise that one of the bins (the middle bin) is full. The tracks are located side by side as indicated on the Architectural Drawings.

The bin/chute room for Building C2 is located on the eastern side of the ~~Lower~~ Ground Floor, on the southern side of Lifts C2A and C2B.

4.6.1 Waste Chute

Residents will deposit waste material into the chute inlet hopper, labelled '**Waste Chute – Reception of Garbage Only**'.

Based on Council's waste generation rates (120-litres of space per unit per week), it is anticipated that the 69 units in Building C2 will generate 8,280-litres of waste per week, or 1,182.85-litres per day. With the waste material being compacted at a 2:1 ratio, the amount of material will be reduced to 4,140-litres per week, or 591.42-litres per day.

As the capacity of the waste bins on the track is 2,200-litres, Bin/Chute Room C2, will be inspected at least once (1) per day in order to ensure that waste receptacles will be removed when full.

The Building Manager or their authorised representative will be responsible for transferring full 1100-litre recycling bins from under the chute into the to the bin storage area of the room, where they will be stored for servicing.

Full waste bins removed from under the Chute outlet and replaced immediately with an empty one.

The Building Manager or their authorised representative will monitor all activities associated with the use and operation of the chute, the depositing of waste into it, to ensure that there will be no spillage, and that the system operates effectively.

4.6.2 Recycling Chute

Residents will deposit recycling material into the chute inlet hopper, labelled '**Recycling Chute – Reception of Recycling Material Only**'.

Based on Council's recycling generation rates (100-litres of space per unit per week), it is anticipated that the 69 units in Block C2 will generate 6,900-litres of recycling material per week, or 985.71-litres per day.

As the capacity of the recycling bins on the track is 2,200-litres, Bin/Chute Room C2, will be inspected at least once (1) per day in order to ensure that waste receptacles will be removed when full.

The Building Manager or their authorised representative will be responsible for transferring full 1100-litre recycling bins from under the chute into the to the bin storage area of the room, where they will be stored for servicing.

Full waste bins removed from under the Chute outlet and replaced immediately with an empty one. The Building Manager or their authorised representative will monitor all activities associated with the use and operation of the chute, the depositing of recycling into it, to ensure that there will be no spillage, and that the system operates effectively.

4.7 ON GOING MANAGEMENT & MAINTENANCE OF CHUTE SYSTEM

The Owners Corporation will be responsible for all issues associated with the on-going management and maintenance of the Garbage Chute System and all activities associated with it. This will include, but not be limited, to the following: -

1. Displaying signage indicating appropriate use of all waste management systems, including what is and what is not recyclable.
2. Educating residents in the correct use of the chute, and the need to keep bulky items and recyclables out of the chute system.
3. Providing regular maintenance, including cleaning and unblocking chutes.
4. Regular inspection of the Garbage Rooms, and the Garbage Chute Outlet Compartment to ensure that all waste is managed appropriately.

PART 5 – ON GOING USE OF BUILDING

5.1 OBJECTIVES

1. To ensure the storage, amenity and management of waste is sufficient to meet the needs of the development.
2. To ensure that all waste management activities are carried out efficiently, and in a manner, that promotes the principles of health, safety, and convenience.
3. To promote waste minimisation practices.

5.2 ASSUMPTIONS

In preparing this proposal, the following assumptions have been made:

1. The proposal involves the construction of three buildings of residential at a consolidated site known as 2 Fishburn Crescent, Castle Hill (16-20 Carrington Road, 2-12 Middleton Avenue, 4-6 Fishburn Crescent, and 25-31 Sexton Avenue, comprising:
 - a) Building A – 25 storey building containing 140 x 1, 2, 3 and 4 bed-room units,
 - b) Building B – 18 storey building containing 142 x 1, 2, 3 and 4 bed-room units,
 - c) Building C – 12 storey building containing 163 x 1, 2, 3 and 4 bed-room units,
 - d) One (1) basement level, common to all buildings, and,
 - e) Associated infrastructure.
2. There are 445 x 1, 2, 3 and 4 bed-room units in total over all three (3) buildings.
3. A chute system has been incorporated into the building design.
4. The chute system is a Dual Chute for the reception of both waste and recycling material.
5. Buildings A & C have two (2) separate cores and Building B has one (1) single core). As such there will be five (5) separate dual waste and recycling chute systems.
6. All waste deposited into the waste chutes will discharge into 1100-litre mobile bins placed onto a three (3) bin mechanically operated linear track system in the bin/chute room in located on the Ground Floor of the building as indicated on the Architectural Drawings.
7. The waste bins will be compacted to a ratio of 2:1, which will result in 12 x 1100-litre mobile waste bins required to be serviced two (2) days per week.
8. Each chute will be located adjacent to one another in 'Chute Compartments', located on each residential floor of the building, in each core as detailed in the Architectural Drawings.
9. All waste storage facilities areas are located in Ground Floor of the building.
10. All full waste and recycling will be transferred from under the chute area of the respective chutes to the waste and recycling bin storage areas of each Bin/Chute Room, where they will be stored prior to servicing.
11. In order to meet Council's servicing requirements, all residential waste will be stored in 12 x 1100-litre red lidded waste bins, serviced two (2) days per week.
12. In order to meet Council's servicing requirements, all recycling will be stored in 12 x 1100-litre yellow lidded recycling bins, serviced two (2) days per week.

13. Council will soon be providing a Food and Garden Organics (FOGO) service to the LGA and as such 23 x 240-litre FOGO bins will be provided for the development, serviced one (1) day per week.
14. Vehicular access and loading facilities will be provided and designed in accordance with Australian Standard AS290.2 for a standard 12.5m rear loading Heavy Rigid collection vehicle (HRV).
15. In order for the collection vehicle to access the site a minimum vertical clearance height into the building will be provided.
16. All waste and recycling generation rates were obtained from discussions with and advice from Council staff, and from information contained in The Hills Shire Council's DCP 2013 – Part 5 – Section B – Residential Flat Building (pages 21-23).
17. As required by Council, all waste, recycling and FOGO bins for the entire development will be serviced on-site from one centralised collection area as detailed herein.
18. The Owners Corporation shall appoint a Building Manager whose responsibilities will include ensuring all waste management activities are carried out in accordance with this WMP.
19. The Hills Council will provide all residential waste and recycling services to the development.

5.3 PROVISION OF WASTE & RECYCLING SERVICES

5.3.1 Overview

This Part (Part 5.3) applies to all waste management activities associated with the entire development, comprising of:

- Building A – 25 storey building containing 140 x 1, 2, 3 and 4 bed-room units,
- Building B – 18 storey building containing 142 x 1, 2, 3 and 4 bed-room units, and,
- Building C – 12 storey building containing 163 x 1, 2, 3 and 4 bed-room units.

There is a total of 445 units across the three buildings, which have two (2) cores, comprising of A1, A2, B, C1 and C2, with the exception of Building B.

5.3.2 Waste Handling & Management

As required by Council, each unit will be provided with a kitchen waste storage cupboard with a minimum of three (3) removable indoor bins with a minimum capacity of 15-litres each or similar.

The bins will be provided in a location that will allow convenient transportation of waste, recycling and FOGO material from the kitchen to the appropriate disposal points.

5.3.3 Service Requirements

The following table (Table 1) on page 22 specifies the criteria for waste and recycling generation rates (as specified by The Hills Council) based on: -

- Waste – 120-litres of bin space per unit per week, and,
- Recycling – 100-litres of bin space per unit per week.

All waste and recycling materials will be stored in approved receptacles of an appropriate size as specified in this WMP. The lids of the bins shall be closed at all times to reduce litter, stormwater pollution, odour and vermin.

The Council in general requires that colour coded receptacle lids that distinguish each service component are to be provided: -

- Waste Service – Red Lidded receptacle,
- Recycling Service – Yellow Lidded receptacle, and,
- FOGO Service – Green Lidded receptacle.

All waste and recycling generation rates were obtained from discussions with and advice from Council staff, and from information contained in The Hills Shire Council's DCP 2013 – Part 5 – Section B – Residential Flat Building (pages 21-23).

The Table on page 27 (Table 1) prescribes all waste, recycling and FOG bin servicing requirements for the entire development.

A compaction system will be provided in order to compact the waste material at a 2:1 ratio, which will allow for the reduction in the number of waste bins to 19 x 1100-litre mobile waste bins.

TABLE 1 – RESIDENTIAL WASTE & RECYCLING GENERATION RATES¹⁷

SERVICE TYPE	UNITS	BIN SPACE PER UNIT	TOTAL SPACE REQUIRED	BINS SIZE	SERVICES PER WEEK	BINS REQUIRED	BINS PROVIDED
Waste	445	120 / 2	26,700	1100	2	12.13	12
Recycling	445	100	See above	1100	2	12.00	12
FOGO	445	N / A	N / A	240	1	20.00	23

The table (Table 2) on page 20 specifies the proposed bin servicing requirements for the building and is based on the above waste and recycling generation rates: -

TABLE 2 – PROPOSED SERVICING ARRANGEMENTS

WASTE	RECYCLING	FOGO
12 x 1100-litre bins Two (2) Services per Week	12 x 1100-litre bins Two (2) Services per Week	23 x 240-litre bins One (1) Service per Week

5.3.4 Waste and Recycling Collection Service Provider Details

All waste, recycling and organics services will be provided by The Hills Shire Council.

5.3.5 Details of Mobile Containers

In relation to the size and design of the waste and recycling mobile bins, the following technical information is provided: -

CONTAINER TYPE	HEIGHT (metres)	DEPTH (metres)	WIDTH (metres)
240-litre mobile container	1.050	0.675	0.585
1100-litre mobile container	1.470	1.070	1.240

In addition to the number of 1100-litre mobile waste bins required by Council as part of their service requirements, the Owners Corporation will provide an additional number of 1100-litre mobile waste bins in order to ensure that a bin is provided at all times below the Waste Garbage Chute Outlet.

In addition to the number of 1100-litre mobile recycling bins required by Council as part of their service requirements, the Owners Corporation will provide an additional number of 1100-litre mobile waste bins in order to ensure that a bin is provided at all times below the Waste Garbage Chute Outlet.

5.3.6 Waste & Recycling Requirements

Waste and recycling requirements are provided in the table below.

SERVICE	NUMBER OF CONTAINERS	COLLECTION FREQUENCY
Waste Service	12 x 1100-litre mobile containers	Two (2) Services per Week
Recycling Service	12 x 1100-litre mobile containers	Two (2) Services per Week
FOGO Service	23 x 240-litre mobile containers	One (1) Service per Week

5.3.7 Location, Design, and Construction of Waste and Recycling Compartments, Chute/Bin Rooms and Collection Area

Details of all waste storage facilities are listed below.

5.3.7.1 Waste and Recycling Compartments

Separate service rooms in the form of 'Waste and Recycling Compartments' are located on each floor level of the respective cores of all buildings, Building A1, A2, B,

C1 and C2 as indicated on the Architectural Drawings.

Each compartment will provide space for:

- The garbage chute compartment will have internal dimensions of 750 mm x 750 mm. The Garbage Chute will be installed within these confines in a fire rated compartment, and,
- Space for 1 x 240-litre recycling bin.

Residents will deposit waste and recycling material into the respective chute inlet hoppers the material will then drop into the respective chutes and fall directly into either the waste or recycling bins on the dual chute linear track system positioned beneath the chute outlet points in the bin/chute room.

5.3.7.2 Bin/Chute Room A1

Bin Chute Room A1 is located on the Ground Floor of Building A1 as indicated on the Architectural Drawings. It is an enclosed rectangular structure with an area of approximately 80sqm.

Within its confines will be:

- The dual waste and recycling chutes with 1100-litre waste and recycling bins positioned next to each other on the linear track system,
- Storage space for a sufficient number of spare 1100-litre waste bins,
- Storage space for a sufficient number of spare 1100-litre recycling bins, and,
- Associated infrastructure.

5.3.7.3 Bin/Chute Room A2

Bin Chute Room A2 is located on the Lower Ground Floor of Building A2 as indicated on the Architectural Drawings. It is an enclosed rectangular structure with an area of approximately 80sqm.

Within its confines will be:

- The dual waste and recycling chutes with 1100-litre waste and recycling bins positioned next to each other on the linear track system,
- Storage space for a sufficient number of spare 1100-litre waste bins,
- Storage space for a sufficient number of spare 1100-litre recycling bins, and,
- Associated infrastructure.

5.3.7.4 Bin/Chute Room B

Bin Chute Room B is located on the Lower Ground Floor of Building B1 as indicated on the Architectural Drawings.

It is an enclosed rectangular structure with an area of approximately 39sqm.

Within its confines will be:

- The dual waste and recycling chutes with 1100-litre waste and recycling bins positioned next to each other on the linear track system,
- Storage space for a sufficient number of spare 1100-litre waste bins,
- Storage space for a sufficient number of spare 1100-litre recycling bins, and,
- Associated infrastructure.

5.3.7.5 Bin/Chute Room C1

Bin Chute Room C1 is located on the Lower Ground Floor of Building C1 as indicated on the Architectural Drawings. It is an enclosed rectangular structure with an area of approximately 75sqm.

Within its confines will be:

- The dual waste and recycling chutes with 1100-litre waste and recycling bins positioned next to each other on the linear track system,
- Storage space for a sufficient number of spare 1100-litre waste bins,
- Storage space for a sufficient number of spare 1100-litre recycling bins, and,
- Associated infrastructure.

5.3.7.7 Bin/Chute Room C2

Bin Chute Room C2 is located on the Ground Floor of Building C2 as indicated on the Architectural Drawings. It is an enclosed rectangular structure with an area of 56sqm, within its confines will be:

- The dual waste and recycling chutes with 1100-litre waste and recycling bins positioned next to each other on the linear track system,
- Storage space for a sufficient number of spare 1100-litre waste bins,
- Storage space for a sufficient number of spare 1100-litre recycling bins, and,
- Associated infrastructure.

5.3.8 Bin Servicing and Collection Vehicle Access / Bin Holding Area

It is proposed to provide all waste and recycling services from a loading area provided in the south-eastern corner of the Ground Floor as indicated on the Architectural Drawings. The loading area will be located adjacent to the Bin Holding Area

The Bin Holding Area is located on the south-eastern corner of the Ground Floor as indicated on the Architectural Drawings:

As the Bin/Chute Rooms for both cores of Building A are located in the west and north-west corner of the Lower Ground Floor, both waste and recycling bins will be required to be transported from both bin/chute rooms along the lower ground floor area to the south-eastern corner of the Lower Ground Floor, where all bins will be loaded onto a Bin Hoist and moved to a Bin Holding Area in the south-eastern corner of the Ground Floor, where the bins will be stored for servicing.

The process of moving all bins from the Lower Ground Floor bin/chute rooms will be undertaken by the Building Manager or their authorised representative, using a Mobile Bin Towing Device (Bin Tug).

It will be necessary to tow 25 x 1100-litre mobile waste bins and 44 x 1100-litre mobile recycling bins, one (1) day per week, and 20 x 240-litre mobile FOGO bins, one (1) day per fortnight.

It is obvious that all bin movements will need to be coordinated in a manner that will minimise the impact of their movements on both pedestrian and vehicular movement throughout the Lower Ground Floor.

To facilitate this process, the Owners Corporation will develop a Bin Transportation Operational Management Plan which will be provided to Council prior to the issue of a Construction Certificate.

Vehicular access and loading facilities will be provided and designed in accordance with Australian Standard AS290.2 for a standard 12.5m rear loading Heavy Rigid collection vehicle (HRV).

In order for the collection vehicle to access the site a minimum vertical clearance height into the building will be provided.

The loading bay has been designed to accommodate a rear loading HRV waste collection vehicle, with the following approximate dimensions:

- Length – 12.5m,
- Operational and Travel Height – 4.0m (maximum),
- Width- 2.85m, and,
- Swept Path – 25m.

The vehicle will enter and exit in a forward direction, but will reverse into the loading area, in accordance with the Traffic Management Plan.

As all Bin/Chute Rooms are located in various areas of the Lower Ground Floor and Ground Floor, the waste and recycling bins provided in each of the Lower Ground rooms will need to be transported from these rooms along the Lower Ground Floor to a Bin Hoist located in the south-eastern corner of the Lower Ground Floor, where they will be placed on the hoist and transferred to a Bin Holding Room located in the south-eastern corner of the Ground Floor where they will be stored for collection.

The process of transporting these bins will be undertaken by the Building Manager or their authorised representative.

5.3.9 Servicing Arrangements – Waste Collections

All waste services will be provided by The Hills Council using rear loading MRV waste collection vehicle, that will enable all collections to be carried out effectively and efficiently, and in a manner that will aim not impact negatively on the principles of health, safety or convenience.

Upon the vehicle's arrival on site, a representative of Council's collection team will remove all waste bins from the waste bin storage area of the Bin Holding Area and transport them to the rear of the vehicle stationed in the loading bay and deposit the contents of each bin, via the lifting device, into the body of the collection vehicle.

On completion of servicing the contractor's representative will return all waste bins to the waste bin storage area of the RGR.

The waste bins will be serviced two (2) days per week, on days to be determined by the Council.

All 12 x 1100-litre mobile waste bins will be serviced on each collection day.

5.3.10 Servicing Arrangements – Recycling Collections

All recycling services will be provided by The Hills Shire Council using a rear loading MRV collection vehicle, that will enable all collections to be carried out effectively and efficiently, and in a manner that will aim not impact negatively on the principles of health, safety or convenience.

Upon the vehicle's arrival on site, a representative of Council's collection team will remove all recycling bins from the waste bin storage area of the RGR and transport them to the rear of the vehicle stationed in the loading bay and deposit the contents of each bin, via the lifting device, into the body of the collection vehicle.

On completion of servicing the contractor's representative will return all recycling bins to the recycling bin storage area of the RGR.

The recycling bins will be serviced two (2) days per week, on days to be determined by Council.

All 12 x 1100-litre mobile recycling bins will be serviced on each collection day.

5.3.11 Servicing Arrangements – Residential FOGO Collections

All FOGO services will be provided by The Hills Sire Council using a rear loading MRV collection vehicle, that will enable all collections to be carried out effectively and efficiently, and in a manner that will aim not impact negatively on the principles of health, safety or convenience.

Upon the vehicle's arrival on site, a representative of Council's collection team will remove all FOGO bins from the waste bin storage area of the RGR and transport them to the rear of the vehicle stationed in the loading bay and deposit the contents of each bin, via the lifting device, into the body of the collection vehicle.

On completion of servicing the contractor's representative will return all FOGO bins to the FOGO bin storage area of the RGR.

The FOGO bins will be serviced one (1) day per week, on a day to be determined by Council.

All 23 x 240-litre mobile FOGO bins will be serviced on each collection day.

5.4 BULKY WASTE STORAGE AREA (BWSA)

Secure storage spaces are required to be provided for each residential unit in accordance with the provisions of Council's DCP. Consistent with these requirements, a Bulky Waste Storage Area has been provided for residents to place unwanted materials awaiting collection and removal.

The Bulky Waste Storage Area (BWSA) is located adjacent to the RGR as indicated on the Architectural Drawings. The BWSA has an area of approximately 36sqm.

The Owners Corporation will monitor these areas regularly to ensure that all materials stored within their confines are done so in a manner that will not adversely impact on the health, safety and convenience.

Regular maintenance of these areas will be carried out.

The Owners Corporation will also be responsible for arranging Clean Ups to ensure the efficient and regular removal at these materials.

It will be the responsibility of the occupants of individual residential units, to dispose of this material, appropriately.

Further information in relation to Council's Clean-up service can be obtained from Council's website at www.thehills.nsw.gov.au

5.5 ON GOING OPERATION, USE & MAINTENANCE OF WASTE MANAGEMENT FACILITIES

All waste management facilities will be maintained in a clean and hygienic condition that will promote the principles of health, safety, and convenience.

In order to achieve these objectives, the following facilities and devices will be required: -

1. The walls and floors of all waste storage facilities are to be constructed of smooth faced masonry or concrete, and all walls will be painted with light coloured and washable paint.
2. The junction between all floors and walls will be coved and sealed up to 100mm above the floor level, in order to eliminate the build-up of dirt and grime.
3. A floor waste, connected to the Sydney Water drainage system in accordance with that Authority's requirements, will be provided to all waste storage facilities and the Bulky Waste Area, and the respective floors will be graded to drain into them.
4. Appropriate washing facilities will be provided to all waste storage and collection areas, including appropriate plumbing and drainage fixtures and fittings, and the provision of running water.
5. All waste storage facilities are to be washed and cleaned on a regular basis.
6. All mobile bins will be washed and cleaned on a regular basis.
7. All electrical equipment, including the provision of lighting, will be installed in accordance with the relevant Australian Standards.
8. Natural and mechanical ventilation will be required to be installed within all waste storage facilities in accordance with the relative provisions of the Building Code of Australia.
9. Appropriate signage will be displayed in all basements clearly identifying the location of all waste storage facilities.
10. Appropriate signage will be erected in suitable locations, providing instruction to residents on how to use waste and recycling facilities, including what is and what is not recyclable.
11. The Owners Corporation will be responsible for ensuring that all waste and recyclable matter and materials are placed and stored within the appropriate containers provided.

PART 6 – SUMMARY

6.1 SUMMARY

In summarising this proposal, the following information is provided:

1. The number and size of bins have been calculated from information provided by The Hills Shire Council and from information in their DCP.
2. The Hills Shire Council will provide all waste and recycling services to the development.
3. The WMP aims to promote the use of recyclable materials in the demolition, construction, and on-going operation of the building.
4. The WMP aims to ensure the design of waste and recycling storage facilities are of an adequate size, appropriate for the intended use of the building, hygienic with safe and manoeuvrable access.
5. The WMP aims to ensure that the provision of waste and recycling services to the completed buildings are carried out in an efficient manner, which will promote the principles of health, safety, and convenience.

The measures set out in this WMP aim to demonstrate that all such activities will be carried out effectively and efficiently, in a healthy, safe, and convenient manner, to acceptable community standards, and to the requirements of Council.