DICKENS SOLUTIONS

(REF – 24151)

WASTE MANAGEMENT PLAN

CPDM P/L

RESIDENTIAL FLAT BUILDING DEVELOPMENT @ 2-8 HIGHGATE ROAD LINDFIELD

APRIL 2025

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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.

This WMP has been prepared in response to the requirements contained within the Secretary's Environmental Assessment Requirements (SEARs) dated 20 December 2024 and issued for the SSDA (SSD-78493518). Specifically, this document has been prepared to respond to the SEARs requirement issued below

17. Waste Management

- Provide measures to be implemented to manage, reuse, recycle and safely dispose of waste, including in accordance with any Council waste management requirements,
- Identify appropriately sited waste storage areas, collection access, paths/roads, and appropriate arrangements for the site

The aims and objectives of this WMP are to: -

1. Satisfy all State and Local Government regulatory controls regarding waste management and minimisation practices,
2. Promote the use of recyclable materials in the excavation, demolition, construction and on-going operation of the building,
3. Maximise waste reduction, material separation, and resource recovery in all stages of the development,
4. 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, and,
5. 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 Ku-ring-gai LGA.

This WMP is prepared in accordance with: -

- Ku-ring-gai Local Environmental Plan 2015,
- Ku-ring-gai DCP 2015,
- The Secretary's Environmental Assessment Requirements (SEARs),
- All Conditions to be issued under the approved of the State Significant Development Consent,
- The Better Practice Guide for Resource Recovery in Residential Buildings published by the NSW EPA (April 2019), 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 (WMP) has been prepared for the submission of a State Significant Development Application to the NSW Department of Planning, Housing, and infrastructure, for the demolition of existing site structures, tree removal, and the construction of a nine (9) storey residential flat building development, with in-fill affordable housing at 2-8 Highgate Road, Lindfield, comprising of:

- 84 x 2, 3 and 4 bed-room residential units,
- Two (2) basement levels, and,
- Associated infrastructure.

This WMP is dated 4 April 2025 and has been prepared to be submitted to DPHI as part of the State Significant DA Package for the proposal.

This WMP has been developed and documented in accordance with the Architectural Drawings prepared by PBD Architects – Project No 2421.

1.2 PROJECT & PROPERTY DESCRIPTION

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

DESCRIPTION	**Nine (9) storey Residential Flat Building**
NUMBER OF UNITS	**- 84 x 2, 3 and 4 bedrooms,** **- Two (2) Basement Levels, and** **- Ancillary infrastructure and services.**
PROPERTY DESCRIPTION	**The development is to be constructed over four (4) existing Torrens Title allotments at Lots 100-103, in DP6608, 2-8 Highgate Road, Lindfield.**
STREET ADDRESS	**2-8 Highgate Road, Lindfield.**
DIMENSIONS	**(Refer to Architectural Drawings)**
AREA	**3,989.1sqm (Survey)**
LGA	**Ku-ring-gai Council**
ZONING	**Zone R2 – General Residential**
PLANNING INSTRUMENTS	**Ku-ring-gai Local Environment Plan 2015** **Ku-ring-gai DCP**

1.4 APPLICANTS DETAILS

APPLICANT	**CPDM Pty Ltd – Attention Mr Michael Gee** **Suite G02, Ground Floor, St Leonards. NSW. 2065.** **E-Mail cyrusx@cpdm.com.au**

1.5 PROPOSAL

The proposal involves the demolition of existing site structures, tree removal, and the ddemolition of existing site structures, tree removal and the construction of a nine-storey residential flat building development with in-fill affordable housing at 2-8 Highgate Road, Lindfield, comprising of:

- 84 x 2, 3 and 4 bed-room residential units,
- Two (2) basement levels, and,
- Associated infrastructure.

Upon its completion, the development will occupy the entire site.

Egress to the site is onto Woodside Road onto the southern frontage of the development.

Garbage chute systems will be incorporated into the building design, and it is proposed to locate all waste storage facilities and provide all waste collection activities in, and

from Basement Level 1 of the building. Separate waste management facilities will be provided for both residential and commercial components of the building.

Waste storage facilities are provided in Basement 1 as indicated on the Architectural Drawings

Ku-ring-gai Council will provide all waste, recycling and green waste services to the development.

Current structures on the site include:

- No 2 Highgate Road – a single storey sandstone masonry and tile dwelling, front veranda, attached sunroom, rear porch, attached brick garage with access onto Woodside Avenue, front and rear grassed areas, a number of trees and shrubs, brick and masonry and wrought iron perimeter fencing with a large hedge along the front boundary of the site,
- No 4 Highgate Road – a single storey timber framed and weatherboard clad dwelling, detached carport, in-ground swimming pool, concrete driveway, front and rear grassed areas, a number of trees and shrubs, and timber paling fence,
- No 6 Highgate Road – a single storey brick and tile dwelling, front and ad rear veranda and addition, concrete driveway, front and rear grassed areas, a number of trees and shrubs, and timber paling fence, and,
- No 8 Highgate Road – a single storey brick and tile dwelling, front veranda, rear porch, detached brick garage with access from Reid Street, front and rear grassed areas, a number of trees and shrubs, retaining wall, and timber paling fence.

The project consists of: -

1. The demolition of all existing buildings and structures,
2. The excavation of the site,
3. The construction of the buildings,
4. The provision of landscaping, driveways, concrete pathways and other elements associated with the development, and,
5. The on-going use of the building.

The Department of Planning, Housing and Infrastructure require a demolition, construction, and operational waste management plan to be submitted describing how all demolition, construction and operational waste will be stored, disposed of, and managed.

This Waste Management Plan has been developed not only to satisfy the departments 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 – GENERALLY

It is recognised that Sydney has an ever-increasing waste problem, and this practice is not sustainable.

In alignment with current NSW waste management legislation, this WMP aims, where possible, to promote waste avoidance, reuse and the recycling of material, particularly during the course of demolition and construction works.

Part 2.2 on Pages 6, 7, 8, 9, 10, 11 and 12 of this WMP describes the manner in which waste is to be managed during the course of the demolition of the existing structures.

The processes outlined in Part 2.2 are to be read in conjunction with and comply with the Development Consent issued in respect of the proposal. It will be the developer's overall responsibility to ensure compliance in this regard.

All material moved offsite shall be transported in accordance with the requirements of the Protection of the Environment Operations Act (1997).

Approved receptacles 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.

2.2 BUILDINGS TO BE DEMOLISHED

Current structures on the site include:

- No 2 Highgate Road – a single storey sandstone masonry and tile dwelling, front veranda, attached sunroom, rear porch, attached brick garage with access onto Woodside Avenue, front and rear grassed areas, a number of trees and shrubs, brick and masonry and wrought iron perimeter fencing with a large hedge along the front boundary of the site,
- No 4 Highgate Road – a single storey timber framed and weatherboard clad dwelling, detached carport, in-ground swimming pool, concrete driveway, front and rear grassed areas, a number of trees and shrubs, and timber paling fence,
- No 6 Highgate Road – a single storey brick and tile dwelling, front and ad rear veranda and addition, concrete driveway, front and rear grassed areas, a number of trees and shrubs, and timber paling fence, and,
- No 8 Highgate Road – a single storey brick and tile dwelling, front veranda, rear porch, detached brick garage with access from Reid Street, front and rear grassed areas, a number of trees and shrubs, retaining wall, and timber paling fence.

2.3 MANAGEMENT OF HAZARDOUS MATERIALS

Due to the age and construction of the existing buildings on the site, there is reasonable potential for hazardous building materials to be present in the buildings to be demolished.

The generation, storage, treatment, and the disposal of hazardous waste (including asbestos) will be conducted in accordance with relevant waste legislation administered by the NSW EPA and any applicable WH&S legislation administered by Work Cover NSW.

All friable and non-friable asbestos-containing material shall be handled and disposed of off-site at an EPA licensed waste facility by an EPA licensed contractor in accordance with the requirements of the Protection of the Environment Operations (Waste) Regulation 2014 and the Waste Classifications Guidelines – Part 1 'Classifying Waste (EPA 2014) and any other instrument as amended.

All friable hazardous waste arising from the demolition process shall be removed and disposed of in accordance with the requirements of Work Cover NSW and the EPA, and with the provisions of:

a) Work Health and Safety Act 2011,
b) NSW Protection of the Environment Operations Act 1997 (NSW), and,
c) NSW Department of Environment and Climate Change Environmental Guidelines; Assessment, Classification and Management of Liquide and Non-Liquid Wastes.

2.4 DEMOLITION – RECYCLING, REUSE & DISPOSAL DETAILS

The following details prescribe the manner in which all material involved in the demolition of the building will be dealt with, and includes: -

1. An estimate of the types and volumes of waste and recyclables to be generated,
2. A site plan showing sorting and storage areas for demolition waste and vehicle access to these areas (see Part 2.3 of this Plan),
3. How excavation and demolition waste materials will be reused, and, or recycled and where residual wastes will be disposed (see below), and,
4. The total percentage of demolition waste that will be reused or recycled.

It is noted that the quantities of materials detailed in this section (Part 2.2) are estimates only, based on current industry standards and quantity analysis, and may vary due to the prevailing nature of site constraints, weather conditions, and any other unforeseeable activities associated with the demolition works, which are beyond the control of the developer, including but not being limited to theft, accidents, and, or, other acts of misadventure.

Notwithstanding any of the above, the developer will provide the DPHI with all details in relation to any major variations to this Plan.

1. Excavated Materials, Overburden and Green Waste

Volume / Weight	1,500 cubic metres / 2,550 Tonnes
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 EPA requirements.
Percentage Reused or Recycled	To be determined (see above comments)
Off Site Destination	Kimbriki Resource Recover Centre, Kimbriki Road, Ingleside (Tel 02 9486 37812), or, Veolia Eastern Creek Resource Recovery Park, Wallgrove Road, Eastern Creek. Tel 8887 6112 or, other approved facility.

2. Bricks

Volume / Weight	600 cubic metres / 600 Tonnes
On Site Reuse	Clean and remove lime mortar from bricks. Re-use in new footings. Broken bricks for internal walls. Crush and reuse as drainage backfill. Crushed and used as aggregate.
Percentage Reused or Recycled	75% - 90%
Off Site Destination	Kimbriki Resource Recover Centre, Kimbriki Road, Ingleside (Tel 02 9486 37812), or, Suez Eastern Creel Resource Recovery Park, Wallgrove Road, Eastern Creek. Tel 8887 6112 or, Blacktown Waste Services, 920 Richmond Road, Marsden Park. Tel 9835 4544 or, Bingo Industries, 3-5 Duck Street, Auburn (Tel 1300 424 646), or, To an approved Facility.

3. Concrete

Volume / Weight	300 cubic metres / 720 Tonnes
On Site Reuse	Existing driveways to be retained during construction. Crushed and used as aggregate, drainage backfill.
Percentage Reused or Recycled	75% - 90%
Off Site Destination	Kimbriki Resource Recover Centre, Kimbriki Road, Ingleside (Tel 02 9486 37812), or, Suez Eastern Creel Resource Recovery Park, Wallgrove Road, Eastern Creek. Tel 8887 6112 or, Blacktown Waste Services, 920 Richmond Road, Marsden Park. Tel 9835 4544 or, Bingo Industries, 3-5 Duck Street, Auburn (Tel 1300 424 646).

4. Timber

Volume / Weight	250 cubic metres / 100 Tonnes
On Site Reuse	Re-use for formwork and studwork, landscaping, shoring.
Percentage Reused or Recycled	65% - 90%
Off Site Destination	Kimbriki Resource Recover Centre, Kimbriki Road, Ingleside (Tel 02 9486 37812), or, Suez Eastern Creel Resource Recovery Park, Wallgrove Road, Eastern Creek. Tel 8887 6112 or, Blacktown Waste Services, 920 Richmond Road, Marsden Park. Tel 9835 4544 or, Bingo Industries, 3-5 Duck Street, Auburn (Tel 1300 424 646), or, Other authorised facility.

5. Plasterboard & Fibro

Volume / Weight	275 cubic metres / 96.25 Tonnes
On Site Reuse	No. All materials will be processed off-site
Percentage Recycled	To be determined (dependent on asbestos content)
Off Site Destination Off Site Destination (Asbestos)	Kimbriki Resource Recover Centre, Kimbriki Road, Ingleside (Tel 02 9486 37812), or, Blacktown Waste Services, 920 Richmond Road, Marsden Park. Tel 9835 4544 or, Bingo Industries, 3-5 Duck Street, Auburn (Tel 1300 424 646).

6. Metals / Steel / Guttering & Downpipes

Volume / Weight	250 cubic metres / 87.50 Tonnes
On Site Reuse	No
Percentage Recycled	60% - 90%
Off Site Destination	Kimbriki Resource Recover Centre, Kimbriki Road, Ingleside (Tel 02 9486 37812), or, Blacktown Waste Services, 920 Richmond Road, Marsden Park. Tel 9835 4544 or, other approved facility

7. Roof Tiles / Tiles

Volume / Weight	200 cubic metres / 150 Tonnes
On Site Reuse	Broken up and used as fill, aggregate, driveways.
Percentage Reused or Recycle	80% - 90%
Off Site Destination	Kimbriki Resource Recover Centre, Kimbriki Road, Ingleside (Tel 02 9486 37812), or, Veolia Eastern Creek Resource Recovery Park, Wallgrove Road, Eastern Creek. Tel 8887 6112 or, Blacktown Waste Services, 920 Richmond Road, Marsden Park. Tel 9835 4544 or, Bingo Industries, 3-5 Duck Street, Auburn (Tel 1300 651 116)

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

Volume	250 cubic metres / 75 Tonnes
On Site Reuse	No. All material will be processed or disposed of 0ff-site.
Percentage Reused or Recycle	80% - 90%
Off Site Destination	Kimbriki Resource Recover Centre, Kimbriki Road, Ingleside (Tel 02 9486 37812), or, Veolia Eastern Creek Resource Recovery Park, Wallgrove Road, Eastern Creek. Tel 8887 6112 or, Blacktown Waste Services, 920 Richmond Road, Marsden Park. Tel 9835 4544 or, Bingo Industries, 3-5 Duck Street, Auburn (Tel 1300 424 646), or, Other approved Facility.

9. Glass, Electrical & Light Fittings, PC Items, Ceramics, etc

Volume / Weight	450 cubic metres / 157.50 Tonnes
On Site Reuse	No
Percentage Reused or Recycle	To be determined (dependent upon nature of material)
Off Site Destination	Kimbriki Resource Recover Centre, Kimbriki Road, Ingleside (Tel 02 9486 37812), or, Suez Eastern Creel Resource Recovery Park, Wallgrove Road, Eastern Creek. Tel 8887 6112 or, Blacktown Waste Services, 920 Richmond Road, Marsden Park. Tel 9835 4544 or, Bingo Industries, 3-5 Duck Street, Auburn (Tel 1300 424 646).

10. Residual Waste

Volume / Weight	450 cubic metres / 450 Tonnes
On Site Reuse	No
Off Site Destination	Kimbriki Resource Recover Centre, Kimbriki Road, Ingleside (Tel 02 9486 37812), or, Veolia Eastern Creel Resource Recovery Park, Wallgrove Road, Eastern Creek. Tel 8887 6112 or, Blacktown Waste Services, 920 Richmond Road, Marsden Park. Tel 9835 4544 or, Bingo Industries, 3-5 Duck Street, Auburn (Tel 1300 424 646)46) or, Other approved Facility.
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 2.2) 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 demolition 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 the DPHI 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 receival of these 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.

2.5 DEMOLITION – ON-SITE STORAGE OF MATERIALS

During the demolition stage of the project, 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, recyclable, and waste materials.

Prior to the commencement of demolition works, the developer will provide the DPHI with a 'Site Plan for the On-Site Storage of Materials at Demolition'. 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.

2.6 DEMOLITION – EXCAVATED MATERIAL

All excavated material removed from the site, as a result of the demolition of all buildings, must be classified in accordance with the Department of Environment, Climate Change and Water NSW Waste Classification Guidelines prior to their removal, transportation and disposal to an approved waste management facility.

All relevant details must be reported to the PCA.

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 13, 14, 15, 16, 17, 18 and 19 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 material surplus to the construction of the building will be dealt with.

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

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

1. Excavated Materials

Volume / Weight	17,500 cubic metres / 29,750 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 EPA requirements.
Percentage Reused or Recycled	To be determined (see above comments)
Off Site Destination	Kimbriki Resource Recover Centre, Kimbriki Road, Ingleside (Tel 02 9486 37812), or, Veolia Eastern Creek Resource Recovery Park, Wallgrove Road, Eastern Creek. Tel 8887 6112 or, Bingo Industries, 3-5 Duck Street, Auburn (Tel 1300 424 646) or, other approved Facility

2. Bricks

Volume / Weight	5 cubic metres / 5 Tonnes
On Site Reuse	Clean and remove lime mortar from bricks. Re-use in new footings. 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	Kimbriki Resource Recover Centre, Kimbriki Road, Ingleside (Tel 02 9486 37812), or, Veolia Eastern Creek Resource Recovery Park, Wallgrove Road, Eastern Creek. Tel 8887 6112 or, Blacktown Waste Services, 920 Richmond Road, Marsden Park. Tel 9835 4544 or, Bingo Industries, 3-5 Duck Street, Auburn (Tel 1300 424 646).

3. Concrete

Volume / Weight	25 cubic metres / 60 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	Kimbriki Resource Recover Centre, Kimbriki Road, Ingleside (Tel 02 9486 37812), or, Veolia Eastern Creek Resource Recovery Park, Wallgrove Road, Eastern Creek. Tel 8887 6112 or, Blacktown Waste Services, 920 Richmond Road, Marsden Park. Tel 9835 4544 or, Bingo Industries, 3-5 Duck Street, Auburn (Tel 1300 424 646).

4. Timber

Volume / Weight	5 cubic metres / 2 Tonnes
On Site Reuse	Re-use for formwork and studwork, and for landscaping
Percentage Reused or Recycled	65% - 90%
Off Site Destination	Kimbriki Resource Recover Centre, Kimbriki Road, Ingleside (Tel 02 9486 37812), or, Veolia Eastern Creek Resource Recovery Park, Wallgrove Road, Eastern Creek. Tel 8887 6112 or, Bingo Industries, 3-5 Duck Street, Auburn (Tel 1300 424 646). (Tel 1300 651 116).

5. Plasterboard & Fibro

Volume / Weight	10 cubic metres / 3.50 Tonnes
On Site Reuse	Nil – All material to be disposed of and processed off-site.
Percentage Reused or Recycled	To be determined
Off Site Destination	Kimbriki Resource Recover Centre, Kimbriki Road, Ingleside (Tel 02 9486 37812), or, Veolia Eastern Creek Resource Recovery Park, Wallgrove Road, Eastern Creek. Tel 8887 6112 or, Bingo Industries, 3-5 Duck Street, Auburn (Tel 1300 424 646). (Tel 1300 651 116), or, Other approved Facility.

6. Metals / Steel / Guttering & Downpipes

Volume / Weight	5 cubic metres / 1.25 Tonnes
On Site Reuse	No
Percentage Reused or Recycled	60 – 90%
Off Site Destination	Kimbriki Resource Recover Centre, Kimbriki Road, Ingleside (Tel 02 9486 37812), or, Veolia Eastern Creek Resource Recovery Park, Wallgrove Road, Eastern Creek. Tel 8887 6112 or, Bingo Industries, 3-5 Duck Street, Auburn (Tel 1300 424 646). (Tel 1300 651 116).

7. 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	Kimbriki Resource Recover Centre, Kimbriki Road, Ingleside (Tel 02 9486 37812), or, Veolia Eastern Creek Resource Recovery Park, Wallgrove Road, Eastern Creek. Tel 8887 6112 or, Blacktown Waste Services, 920 Richmond Road, Marsden Park. Tel 9835 4544 or, Bingo Industries, 3-5 Duck Street, Auburn (Tel 1300 424 646).

8. Plastics

Volume / Weight	5 cubic metres / 1 Tonne
On Site Reuse	Nil
Percentage Reused or Recycled	80% - 95%
Off Site Destination	Kimbriki Resource Recover Centre, Kimbriki Road, Ingleside (Tel 02 9486 37812), or, Veolia Eastern Creek Resource Recovery Park, Wallgrove Road, Eastern Creek. Tel 8887 6112 or, Bingo Industries, 3-5 Duck Street, Auburn (Tel 1300 424 646)

9. Glass, Electrical & Light Fittings, PC items

Volume / Weight	8 cubic metres / 2.65 Tonne
On Site Reuse	No
Percentage Reused or Recycled	70% - 90%
Off Site Destination	Kimbriki Resource Recover Centre, Kimbriki Road, Ingleside (Tel 02 9486 37812), or, Veolia Eastern Creek Resource Recovery Park, Wallgrove Road, Eastern Creek. Tel 8887 6112).

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

Volume	5 cubic metres / 1.6 Tonnes
On Site Reuse	Broken up and used as fill.
Percentage Reused	80% - 90%
Off Site Destination	Kimbriki Resource Recover Centre, Kimbriki Road, Ingleside (Tel 02 9486 37812), or, Eastern Creek Resource Recovery Park, Wallgrove Road, Eastern Creek. Tel 8887 6112 or, Blacktown Waste Services, 920 Richmond Road, Marsden Park. Tel 9835 4544 or, Bingo Industries, 3-5 Duck Street, Auburn (Tel 1300 424 646).

11. Pallets

Volume / Weight	25 cubic metres / 8 Tonne
On Site Reuse	No
Percentage Reused or Recycle	90% - 100%
Off Site Destination	Returned to supplier / to an approved agency, or agencies, for reuse and resale.

12. Residual Waste

Volume / Weight	2,000 cubic metres / 2,000 Tonnes
On Site Reuse	No
Off Site Destination	Kimbriki Resource Recover Centre, Kimbriki Road, Ingleside (Tel 02 9486 37812), or, Veolia Eastern Creek Resource Recovery Park, Wallgrove Road, Eastern Creek. Tel 8887 6112 or, Bingo Industries, 3-5 Duck Street, Auburn (Tel 1300 424 646) or, Other approved Facility.
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 approximately 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 the DPHI 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 receival of these 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 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 the DPHI 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, 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.

PART 4 – GARBAGE CHUTE SYSTEM

4.1 DESIGN REQUIREMENTS

Garbage Chute Systems will be incorporated into the building design.

As the building is separated into two (2) cores there will be two (2) chute systems:
- Building A – Reid Street (North) Core – 41 x 2, 3 and 4 bed room units, and,
- Building B – Woodside Street (South) Core – 43 x 2, 3 and 4 bed room units.

The chute system will be for the reception of waste material only

Separate arrangements will be made for the disposal of both recycling streams as detailed in Part 4.6 on page 23.

4.2 BUILDING A – REID STREET (NORTH) CORE – BIN CHUTE ROOM 1

Waste and Recycling Compartments for all 41 units situated in this Core are located on the southern side of the lobby on each residential level on the northern side of Lifts A and B as indicated on the Architectural Drawings.

All compartments are separate and will provide space for:
- Waste Chute – the garbage 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, and,
- Recycling Chutes – 1 x 240-litre yellow lidded bin for container based co-mingled recycling material and 1 x 240-litre blue lidded bin for paper and cardboard based recycling material.

The chutes will be a linear track three (3) x 1100-litre waste bin system. The linear track bin system for waste chutes is 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.

All waste deposited into the Waste Chute will discharge into 1 x 1100-litre mobile waste bin positioned on a 3 x 1100-litre linear track mobile waste bin system.

Based on Council's waste generation rates (120-litres of space per unit per week), it is anticipated that the 41 units in this core will generate 4,920 litres of waste per week, or 702.86-litres per day.

The capacity of the 2 x 1100-litre bin splitter system is 2,200 litres. Accordingly, the bin/chute will be inspected at least one (1) time 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 waste bins from under the chutes into the Bin/Chute Room 1 which is located on the north-western side of Basement 1 where they will be stored prior to collection.

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

The Building Manager 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.

4.3 BUILDING B – WOODSIDE AVENUE (SOUTH) CORE – BIN CHUTE ROOM 2

Waste and Recycling Compartments for all 43 units situated in this Core are located on the northern side of the lobby on each residential level on the northern side of Lifts C and D as indicated on the Architectural Drawings.

All compartments are separate and will provide space for:

- Waste Chute – the garbage 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, and,
- Recycling Chutes – 1 x 240-litre yellow lidded bin for container based co-mingled recycling material and 1 x 240-litre blue lidded bin for paper and cardboard based recycling material.

The chutes will be a linear track three (3) x 1100-litre waste bin system. The linear track bin system for waste chutes is 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.

All waste deposited into the Waste Chute will discharge into 1 x 1100-litre mobile waste bin positioned on a 3 x 1100-litre linear track mobile waste bin system.

Based on Council's waste generation rates (120-litres of space per unit per week), it is anticipated that the 43 units in this core will generate 5,160 litres of waste per week, or 737.15-litres per day.

The capacity of the 2 x 1100-litre bin splitter system is 2,200 litres. Accordingly, the bin/chute will be inspected at least one (1) time 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 waste bins from under the chutes into the Bin/Chute Room 2 which is located on the southern side of Basement 1 where they will be stored prior to collection.

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

The Building Manager 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 OPERATIONAL REQUIREMENTS

At a minimum, each 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 Chutes and service openings must be capable of being easily cleaned.
5. Chutes must be ventilated to ensure that air does not flow from the chute through any service opening.
6. The Chute systems must comply with the relative provisions of the Building Code of Australia, and relevant Australian Standards (e.g., AS1530.4-2005).
7. Upon the appointment of the company selected to install the chutes, and completion of the chute design, Council will be provided with a manufacturers specification of all chute systems.
8. The chute discharge points will be restricted to residents by a caged enclosure in order to prevent injury, and will be provided with suitable circulation space, in accordance with the manufacturers’ specification.

The Building Manager or their authorised representative will monitor all activities associated with the use and operation of the chutes and the depositing of waste and recycling material into them and will also be responsible for transferring full 1100-litre waste and recycling bins from all bin/chute rooms into the Bin Holding Room for storage prior to servicing.

4.5 ON GOING MANAGEMENT & MAINTENANCE OF CHUTE SYSTEM

4.5.1 Generally

The Owners Corporation will be responsible for all issues associated with the on-going management and maintenance of the Garbage Chute Systems and all activities associated with it.

These activities 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 out of the chute systems.
3. Providing regular maintenance, including cleaning and unblocking chutes.
4. Regular inspection of the Garbage Chute Compartments, the Garbage Chute Outlet Compartments, and the Bin Rooms to ensure that all waste and recyclables are managed appropriately.
5. Educating residents in the correct use of each chute, to ensure that waste material is not deposited into the recycling chute, and that recycling material is not placed into the waste chute.

Based on the information provided herein, it is considered having a Building Manager on site, it will enable the entire waste management system to be inspected daily. This will allow any problems with the functioning of the system to be identified immediately, and any maintenance and, or repairs to be undertaken without delay.

4.5.2 Bin Room Infrastructure

In accordance with Council requirements, the following infrastructure will be incorporated into the design of all bin rooms: -

1. Suitable door access for the service of bins.
2. Where roller doors are provided, an additional service door will be provided inclusive of an Abloy key system.
3. All floors will be finished with a non-slip and smooth and even surface covered at all intersections.
4. The floor will be graded to a central drainage point connected to the sewer,
5. Rooms will be fully enclosed and roofed with a minimum internal room height in accordance with the BCA 2019.
6. Rooms are to be provided with an adequate supply of water through a centralised mixing valve with hose cock.
7. Incorporation of adequate light and ventilation in accordance with requirements of the BCA 2019.

4.6 MANAGEMENT OF RECYCLING

Recycling Compartments are provided on each residential level of the building in both cores as indicated on the Architectural Drawings.

Each compartment will provide space for 1 x 240-litre yellow lidded bin for container based co-mingled recycling material and 1 x 240-litre blue lidded bin for paper and cardboard based recycling material. Residents will place their recycling material into the respective bins provided.

The Building Manager will be responsible for transporting full 240-litre mobile recycling bins from each compartment into the respective bin chute rooms in Basement 1, where they will be stored prior to servicing.

Empty yellow and blue lidded 240-litre mobile recycling bins will be placed in the compartment, when full ones are removed.

Servicing and replacement of both streams of 240-litre recycling bins located in the compartment on each residential level in each core of the building will take place on a regular basis to avoid hygiene, spillage and dumping problems.

All waste handing activities (including the transfer of recycling bins) will be undertaken by the Building Manager or their authorised representative.

PART 5 – ON GOING USE OF BUILDING

5.1 OBJECTIVES

1. To ensure that 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 effectively and efficiently, and in a manner, that promotes the principles of health, safety and, convenience.
3. To promote waste minimisation practices.

5.2 ASSUMPTIONS

1. The proposal involves the construction of an eight (8) storey residential flat building, comprising of: -
   a) 84 x 2, 3 and 4 bedroom units,
   b) Two (2) basement levels, and,
   c) Associated infrastructure.
2. Upon its completion, the development will occupy the entire site.
3. Egress to the site is onto Woodside Road onto the southern frontage of the development.
4. A Waste and Recycling Chute system will be incorporated into the building design.
5. The chute system will be a dual waste and recycling e-diverter chute system, for the reception of both waste and recycling material.
6. The e-diverter system is designed as a one chute solution to manage both waste and recyclables.
7. When depositing material into the chute the resident selects either the waste or recycling function on the panel. This moves the mechanism that guides the waste or recycling bins into the correct bin located under the chute outlet point. The resident then deposits the correct material into the chute.
8. Each building level is provided with one (1) chute door which is connected to a LED control panel.
9. As the building is separated into two (2) cores there will be two (2) chute systems:
   a) Chute 1 – Reid Street (North) Core – 41 x 2, 3 and 4 bed room units, and,
   b) Chute 2 – Woodside Street (South) Core – 43 x 2, 3 and 4 bed room units.
10. It is proposed to locate all waste storage facilities and provide all waste collection activities in, and from Basement Level 1 of the building. Separate waste management facilities will be provided for both residential and commercial components of the building.
11. A dedicated Waste Storage Area (Waste Room) is provided for the storage of all waste and recycling bins associated with the use and occupation of the building, and is located in Basement 1 as indicated on the Architectural Drawings
12. All waste and recycling bins will be stored at all times within the confines of the WSA at all times.
13. In order to meet Council's servicing requirements, all waste material will be stored in 10 x 1100-litre red lidded mobile waste bins.
14. In order to meet Council's servicing requirements, all recycling material will be stored in 21 x 240-litre yellow lidded mobile bins.

15. In order to meet Council's servicing requirements, all paper and cardboard recycling material will be stored in 21 x 240-litre blue lidded mobile bins.
16. The number and size of bins have been calculated from information provided in Part 27 (Waste Management) of the Ku-ring-gai DCP 2015.
17. Waste services will be provided one (1) day per week.
18. Recycling services will be provided one (1) day per week.
19. All waste and recycling services will be provided by Ku-ring-gai Council.
20. All waste and recycling services will take place a dedicated loading bay located in Basement 1 of the building as indicated on the Architectural Drawings.
21. Owners Corporation will appoint a Building Manager/Caretaker in perpetuity, whose responsibility it will be to manage all activities associated with the provision of all waste and recycling services.

5.3 WASTE HANDLING & MANAGEMENT

A cabinet will be located within each residential unit so that a receptacle, or receptacles, may be stored or housed in a convenient and practical location within the unit, for the reception of waste and recyclable material.

Each unit will be designed so as to allow the internal accommodation of one receptacle to collect waste and two receptacles to collect recycling materials, each with the capacity to store one day's worth of material.

Appropriate signage will be erected in the Waste Storage Area (WSA) to assist residents in placing their waste and recyclables into the appropriate bins.

5.4 WASTE & RECYCLING – SERVICE REQUIREMENTS

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;
- Paper and Cardboard Recycling Service – Yellow Lidded receptacle; and,
- Container based Recycling Service – Green Lidded receptacle.

No formal green waste service will be provided to the building. All green waste will be disposed of privately by a contractor to be appointed by the Owners Corporation.

It will be the responsibility of the Owners Corporation to ensure that all green waste is removed from the complex in an appropriate manner.

5.5 WASTE & RECYCLING – SERVICE ARRANGEMENTS

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

- Waste – 1 x 240-litre mobile bin per 2 units (collected weekly),
- Paper Recycling – 1 x 240 litre mobile bin per 4 units (collected weekly), and,
- Container Recycling – 1 x 240 litre mobile bin per 4 units (collected weekly).

The number and size of bins have been calculated from information provided in Part 25A.5 Item 13 (Waste Management) of the Ku-ring-gai DCP 2015.

TABLE 1 – RESIDENTIAL WASTE & RECYCLING GENERATION RATES

SERVICE TYPE	UNITS	BIN SPACE PER UNIT	TOTAL SPACE REQUIRED	BINS SIZE	SERVICES PER WEEK	BINS REQUIRED	BINS PROVIDED
Waste	84	120	10,080	1100	1	9.17	10
Recycling	84	60	5,040	240	1	21.00	21
Recycling	84	60	5,040	240	1	21.00	21

The following table (Table 2) 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	PAPER & CARDBOARD RECYCLING	CONTAINERS RECYCLING
10 x 1100-litre waste bins One (1) Service per Week	21 x 240 litre bins One (1) Service per Week	21 x 240 litre bins One (1) Service per Week

5.6 PROVISION OF WASTE & RECYCLING SERVICES

5.6.1 Waste and Recycling Collection Service Provider Details

All waste and recycling services will be provided by Ku-ring-gai Council.

5.6.2 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	1.080	0.735	0.585

5.6.3 Waste & Recycling Requirements

Waste and recycling requirements are provided in the table below.

SERVICE	NUMBER OF CONTAINERS	COLLECTION FREQUENCY
Waste Service	10 x 1100-litre mobile containers	One (1) Service per Week
Recycling Service	21 x 240-litre mobile containers	One (1) Service per Week
Recycling Service	21 x 240-litre mobile containers	One (1) Service per Week

5.6.5 Location, Design, and Construction of Bin Storage Areas (BSA's)

As the building is separated into two (2) cores there will be two (2) separate bin/chute rooms:

- Bin/Chute Room 1 – Reid Street (North) Core – 41 x 2, 3 and 4 bed room units, and,
- Bin/Chute Room 2 – Woodside Street (South) Core – 43 x 2, 3 and 4 bed room units.

5.6.5.1 Bin/Chute Room A – Reid (North) Core

Bin Chute Room 1 is located on the northern side of Basement 1 as indicated on the Architectural Drawings and will provide storage space for all bins and infrastructure associated with the use and occupation of all 41 units in the Reid Street (North) Core.

Bin Chute Room 1 is an enclosed L-shaped structure with an area of approximately 35sqm, and will provide storage space for:

- The 3 x 1100-litre linear track waste bin chute system,
- 5 x 1100-litre red lidded waste bins,
- 10 x 240-litre yellow lidded recycling bins, and,
- 10 x 240-litre paper and cardboard blue lidded container based recycling bins.

5.6.5.2 Bin/Chute Room B - Woodside (South) Core

Bin Chute Room 2 is located on the southern side of Basement 1 as indicated on the Architectural Drawings and will provide storage space for all bins and infrastructure associated with the use and occupation of all 43 units in the Woodside (South) Core.

Bin Chute Room 2 is an enclosed irregular structure with an area of approximately 29sqm, and will provide storage space for:

- The 3 x 1100-litre linear track waste bin chute system,
- 6 x 1100-litre red lidded waste bins,
- 11 x 240-litre yellow lidded recycling bins, and,

- 11 x 240-litre paper and cardboard blue lidded container based recycling bins.

5.6.6. Bin Servicing Details

All waste and recycling services will be provided from a collection point located in the south-western corner of Basement 1 in accordance with Part 25 (Waste Management) of the Ku-ring-gai DCP 2015.

As required by Council, the Collection Point will be designed to accommodate Council's rear loading SRV collection vehicle which according to Part 25R.2 has the following approximate dimensions:

- Length – 6.0m, and,
- Travel and Operational Height – 2.6m.

On the evening prior to servicing, the Building Manager or their authorised representative will be responsible for transporting all bins from the respective Bin/Chute rooms to the Garbage Collection and Loading Area which is located on the south-western corner of Basement 1 as indicated on the Architectural Drawings.

All collections will be provided by Councils rear loading SRV collection vehicle which according to Part 25R.2 has the following approximate dimensions:

- Length – 6.0m, and,
- Travel and Operational Height – 2.6m.

The turning area at the base of the ramp will be sufficient to allow for the manoeuvre of a 6.0m rigid vehicle to exit the building in a forward direction.

A Bin Presentation Area will be provided at the rear of the Collection Area, which has a total length of approximately 25.0m and is 6.0m wide.

The Bin Presentation Area will provide space for:

- 10 x 1100-litre mobile waste bins,
- 21 x 240-litre yellow lidded recycling bins, and,
- 21 x 240-litre blue lidded recycling bins.

All bins will be transported to and from the Bin Presentation Area using a Mobile Bin Towing Device. The details of which are provided in Part will be provided in Part 5.6.7 on pages 28 and 29.

5.6.7 Mobile Bin Towing Device

A Mobile Bin Towing Device, of an appropriate size and approved type, will be provided to transport and manoeuvre bins through the development. A trailer will be used to assist in moving the bins.

Each approved Mobile Bin Towing Device will be designed and manufactured to transport a minimum of 6 x 1100-litre waste bins, and up to eight (8) x 240-litre recycling bins (with the trailer), with a weight of 1,000kg's.

A manufacturers specification of both the towing device and trailer will be provided to Council.

A trailer will be attached to the towing device, where required, to assist in the transporting the bins over large basement areas.

Bins will be attached directly to the towing device, or attached to the trailer for towing, depending upon the bin size.

The bins will be transported to and from waste storage areas along basement driveway, to the Waste Collection Area located in the common basement of the buildings as indicated on the Basement Floor Plan.

The towing device will be stored in a secure location within Bin Room A in Basement 1.

Prior to occupation, a Risk Management Assessment will be undertaken to determine the most convenient and safest method of transporting the bins.

As a result of the Risk Management Assessment, the Owners Corporation will develop and document an Operational Procedure for the transportation of all mobile bins throughout the development. A copy of this procedure will be provided to Council.

5.6.8 Servicing Arrangements – Waste Collections

All waste services will be provided by Ku-ring-gai Council, using a 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 at the loading bay, a member of Councils collection team will remove the waste bins from the Bin Presentation Area (BPA), transfer them to the rear of the vehicle, which will face the rear wall, load the bins onto the lifting device and deposit the contents of the bin into the body of the collection vehicle.

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

All 10 x 1100-litre mobile waste bins will be serviced on each collection day.

The bins will be returned to the BPA as soon as servicing has been completed.

The Building Manager or their authorised representative will be responsible for transporting all respective bins from the BPA back to the respective Bin Chute Rooms as soon as practicable after the have been serviced, but within 2 hours after collection.

5.6.8 Servicing Arrangements – Yellow Lidded Bins Recycling Collections

All yellow lidded recycling bins will be serviced by Ku-ring-gai Council, using a 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 at the loading bay, a member of Councils collection team will remove the waste bins from the Bin Presentation Area (BPA), transfer them to the rear of the vehicle, which will face the rear wall, load the bins onto the lifting device and deposit the contents of the bin into the body of the collection vehicle.

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

All 21 x 240-litre yellow-lidded mobile recycling bins will be serviced on each collection day.

The bins will be returned to the BPA as soon as servicing has been completed.

The Building Manager or their authorised representative will be responsible for transporting all respective bins from the BPA back to the respective Bin Chute Rooms as soon as practicable after the have been serviced, but within 2 hours after collection.

5.6.9 Servicing Arrangements – Paper and Cardboard Container based Recycling Collections

All blue lidded container-based recycling bins will be serviced by Ku-ring-gai Council, using a 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 at the loading bay, a member of Council's collection team will remove the recycling bins from the BPA, transfer them to the rear of the vehicle, which will face the rear wall, load the bins onto the lifting device and deposit the contents of the bin into the body of the collection vehicle.

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

All 21 x 240-litre blue lidded mobile recycling bins will be serviced on each collection day.

The bins will be returned to the BPA as soon as servicing has been completed.

The Building Manager or their authorised representative will be responsible for transporting all respective bins from the BPA back to the respective Bin Chute Rooms as soon as practicable after the have been serviced, but within 2 hours after collection. The bins will be returned to the WSA by Council's operators as soon as servicing has been completed.

5.7 GREEN WASTE

No formal green waste service will be provided. All green waste generated on site will be disposed of privately. The Owners Corporation will be responsible for ensuring that all green waste is disposed of appropriately.

5.8 BULKY WASTE STORAGE

As required by Council a Bulky Waste Storage Area (BWSA) will be provided for the storage of all bulky waste material and household good generated from the use of the development. The BWSA has an area of 16sqm and is located next to the WSA in Basement 1 as indicated on the Architectural Drawings.

It will be the responsibility of the Owners Corporation to ensure that any bulky waste items generated from the use and occupation of the building, will be managed and dealt with appropriately. Further information in relation to Council's clean up services can be obtained from Council's website at www.krg.nsw.gov.au

It will be the responsibility of the occupants of individual residential units, to dispose of all bulky waste items, appropriately.

5.9 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. This Waste Management Plan (WMP) has been developed and documented generally in accordance with the provisions of Council's Waste Management DCP and the relevant SEARs requirements.
2. All waste and recycling services will be provided by Ku-ring-gai Council.
3. The Owners Corporation will be responsible for ensuring that all on-going waste management activities are carried out in accordance with the provisions of this Waste Management Plan.
4. The WMP aims to promote the use of recyclable materials in the excavation, demolition, construction and on-going operation of the building;
5. 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.
6. 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 the DPHI.