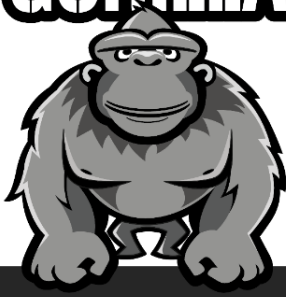


**GREEN
GORILLA**



SITE WASTE MANAGEMENT & MINIMISATION PLAN 96 BEACH HAVEN ROAD

30.09.2021

Prepared for:

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Bentley Studios Limited



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WE LEAVE IT
BETTER



30 September 2021

Waste Management and Minimisation Plan
96 Beach Haven Road, Beach Haven

EXECUTIVE SUMMARY

The following report details the arrangements for commercial waste management for the above development. The waste volume and appropriate storage space calculations have been made using the Auckland Council Multi-Unit Development Space Calculator and the plan prepared in accordance with the Auckland Council Waste Management and Minimisation Plan.

This complex is comprised of 81 studio, one and two bedroom units. There are two communal waste enclosures. Green Gorilla confirms that we can supply the necessary equipment and meet all service requirements detailed in the report.

Yours faithfully

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SECTION 1 / **Waste Services/Capacity Requirement**

1.1 PROPERTY DETAILS

The total maximum residential occupancy of the development is 216 persons

TYPE	NO OF UNITS	TOTAL NO OF BEDROOMS	TOTAL MAXIMUM OCCUPANCY
Studio and 1 Bedroom	54	54	108
2 Bedroom	27	54	108
TOTAL	81	108	216

There are two waste enclosures – one to service Blocks A and B and the other to service Blocks C and D. Refer to Appendix Two.

The occupancy, waste requirement and equipment/services to be provided will be detailed separately for each enclosure:

Enclosure 1: Blocks A and B

Occupancy:

TYPE	NO OF UNITS	TOTAL NO OF BEDROOMS	TOTAL MAXIMUM OCCUPANCY
Studio and 1 Bedroom	36	36	72
2 Bedroom	9	18	36
TOTAL	45	54	108

Waste Requirement:

TOTAL (Litres)	COMMINGLED RECYCLING (L)	REFUSE (L)	ORGANICS (L) (if Required)
6,480	3,370	2,722	389

Equipment and Service:

WASTE TYPE	BIN SIZE (L)	QUANTITY	FREQUENCY PER WEEK	TOTAL CAPACITY PER WEEK (L)
Commingled Recycling	660	3	2	3,960
Total Recycling				3,960
Refuse	660	1	2	1,320
Refuse	360	2	2	1,440
Total Refuse				2,760
Organics (if required)	240	2	1	480
Total Organics (if required)				480

Enclosure 2: Blocks C and D
Occupancy:

TYPE	NO OF UNITS	TOTAL NO OF BEDROOMS	TOTAL MAXIMUM OCCUPANCY
Studio and 1 Bedroom	18	18	36
2 Bedroom	18	36	72
Total	36	54	108

Waste Requirement:

TOTAL (Litres)	COMMINGLED RECYCLING (L)	REFUSE (L)	ORGANICS (L) (if Required)
6480	3370	2722	389

Equipment and Service:

WASTE TYPE	BIN SIZE (L)	QUANTITY	FREQUENCY PER WEEK	TOTAL CAPACITY PER WEEK (L)
Commingled Recycling	360	1	2	720
Commingled Recycling	240	6	2	2,880
Total Recycling				3,600
Refuse	240	6	2	2,880
Total Refuse				2,880
Organics (if required)	240	1	2	480
Total Organics (if required)				480

SECTION 2 / Amenities

2.1 DESIGNATED WASTE AREAS

The enclosures are located within the carpark to provide services to all dwellings within reasonable proximity.

2.2 SPECIFICATIONS OF EQUIPMENT & ENCLOSURES

Each waste enclosure is an open-air structure of timber slat or similar screening. (Enclosure layout and dimensions detailed in Appendix 1 following this document).

Bin Specifications:

BIN TYPE	WIDTH	DEPTH	FOOTPRINT	HEIGHT
240 Litre	585mm	730mm	.43m ²	1060mm
360 Litre	680mm	848mm	.58m ²	1100mm
EB660 Litre	1260mm	820mm	1.1m ²	1290mm

2.3 NOISE CONTROL

Containers are injection molded plastic or galvanised steel with plastic lids and rubber wheels. Under normal circumstances, neither resident use nor servicing will cause any nuisance noise.

2.4 WASTE STORAGE AREA HYGIENE & AESTHETICS

Ventilation

The waste enclosures are open-air and require no further ventilation.

Washing

The waste enclosures will be provided with drainage and a tap within close proximity for wash-down as required.

Vermin Control

Bins have smooth sides and close fitting lids. The collection frequency will ensure that vermin attracting waste is removed on a regular basis. If necessary, a monitored bait program can be introduced by the residents' society or body corporate.

Aesthetics

The bins are kept within the screened enclosures and are not immediately visible to residents, or passersby.

2.5 PROTECTION OF EQUIPMENT

Bins are kept in the waste enclosures within the property. Specialised equipment is required to handle the bins and theft or damage is not generally a problem. Bins have individual RFID tags to identify them.

SECTION 3 / **Methodology and Access**

3.1 METHODOLOGY:

All bins will be serviced onsite by Green Gorilla.

3.2 ACCESS BY GREEN GORILLA

Green Gorilla's vehicle will enter the property in a forward direction from Cresta Avenue, following JOAL to park temporarily in front of car parks 32 - 34 while servicing Block A & B's waste enclosure. The vehicle will move on to park adjacent to the bike storage and service Block C & D's. The vehicle will then reverse in to the manoeuvre space between blocks C&D to perform a three-point turn, and then exit the property forward direction onto Cresta Avenue via the main JOAL.

3.3 GREEN GORILLA VEHICLE SPECIFICATIONS

The property will be serviced by Green Gorilla's SEA EV 10 Electric Collection Vehicle with Manco Alley Cat rear-packer compaction unit or similar;

Length	7346mm
Width	2038mm
Height	2432mm
Wheelbase	3860mm
Front Overhang	1150mm
Rear Overhang	2334mm
Turning Circle	7.1 metre radius (kerb to kerb) 7.8 metre radius (wall to wall)
Total GVM	11,800Kg

3.4 HOURS OF SERVICE

Waste servicing will be between the hours of 7.00am and 7.00pm

3.5 PRIVATE ROAD ACCESS BY COUNCIL CONTRACTOR

There is no requirement for Council contractors to access private property.

SECTION 4 / Management & Responsibilities

4.1 TRANSFER FROM RESIDENCES TO COLLECTION VEHICLES

Residents are responsible for placing household waste in the correct bins in their waste storage area. Green Gorilla is responsible for wheeling the bins to the collection vehicle, emptying the bins, returning them to the waste storage areas and placing them in the correct position. Minor removal of bags not put into the bins is carried out by Green Gorilla, who will inform the residents' society.

4.2 CLEANING OF THE WASTE STORAGE AREA AND EQUIPMENT

Drainage and a wash-down tap is to be provided for each waste enclosure. The residents' society or body corporate is responsible for the general cleanliness of the waste storage areas. Green Gorilla is able to arrange this cleaning on their behalf if required.

A minimum 6-monthly bin cleaning/sanitising schedule should be implemented. Green Gorilla can provide professional bin cleaning services as required.

4.3 INSTRUCTIONS FOR USE

Signage outlining the correct use of the bins is provided by Green Gorilla on each of the bins and on the walls. An information brochure will be provided for distribution to residents by either hardcopy or by electronic mail. Brochures and signage are available in multiple languages if required.

SECTION 5 / Health & Safety and Accreditation

5.1 HEALTH & SAFETY

- A site specific risk assessment and operational plan is written for every new site with all relevant drivers inducted prior to commencement of service
- All Green Gorilla service vehicles are fitted with reversing cameras and reversing alarms
- Green Gorilla are accredited with tertiary level ACC Workplace Safety Management Practices certification, Prequal 4 star, and Site Wise Green accreditation

- All team members and contractors are inducted into our Green Gorilla Health and Safety Policy and procedures - Through our Vault OSHE management system all hazards, near hits and incidents are documented to ensure a learning process to mitigate future risks

5.2 ACCREDITATION

- Waste services collection license: 52300052312
- Waste processing facility license: 52300024130
- Member of: **Sustainable Business Network**
- Member of: **WasteMINZ**
- Member of: **NZ Green Building Council**
- Passionate advocate and Platinum Sponsor of **Homestar v4**



Benefits of Green Gorilla Collection

- ✓ **Clear signage** is provided for walls and on colour coded bins
- ✓ Green Gorilla have **an absolute commitment to sustainability** and continuous **improvement in outcomes for both our environment and our clients**
- ✓ Bins are high grade injection moulded with close-fitting lids and braked rubber wheels
- ✓ Full bin service including cardboard **eliminates unsightly open cardboard sacks**

SECTION 6 / **Policies and Values** Separate Appendix available:

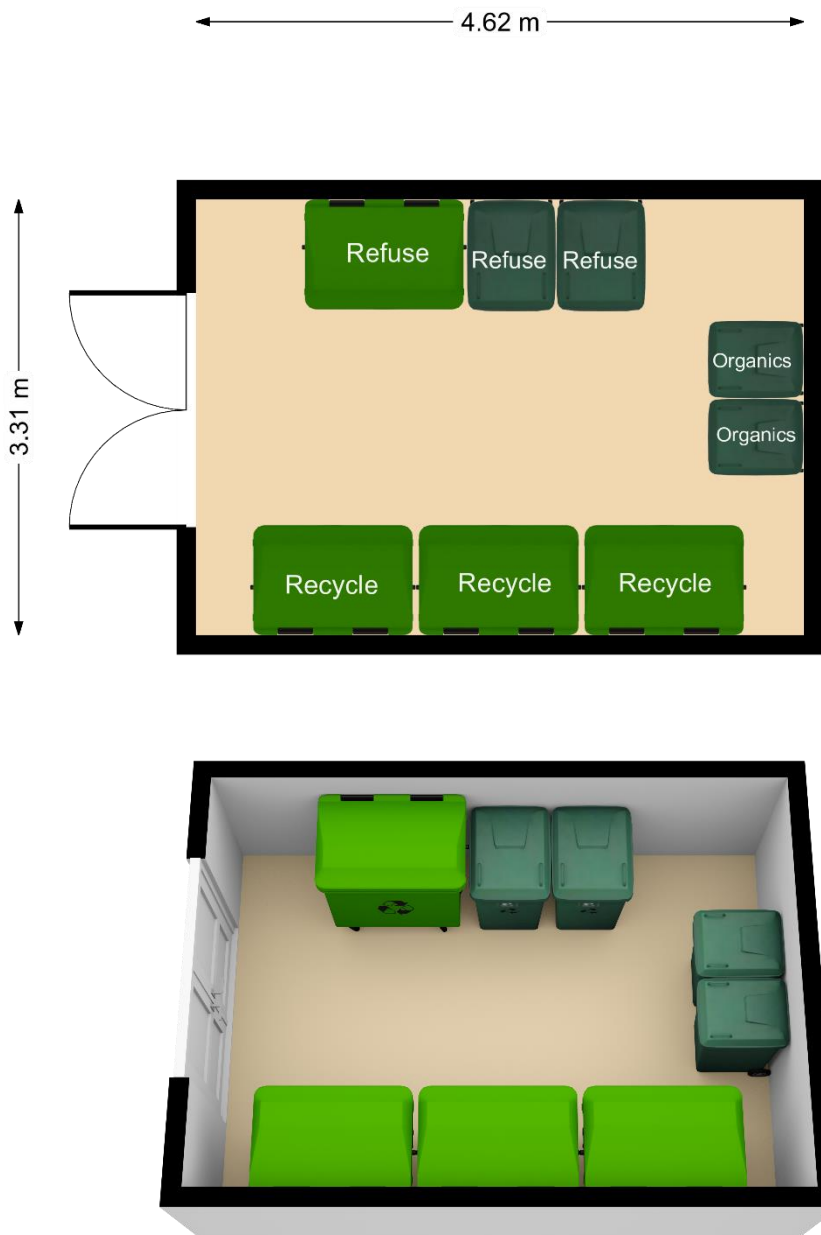
GG Policy Document Appendix:

- Health and Safety Policy
- Environmental Policy
- Quality Policy
- Sustainability Policy
- Professional Indemnity (31/08/2021-31/08/2022)
- Prequal Certificate (27/06/2019 – 27/06/2021)
- General Liability Insurance Certificate (01/09/2021 – 31/08/2022)

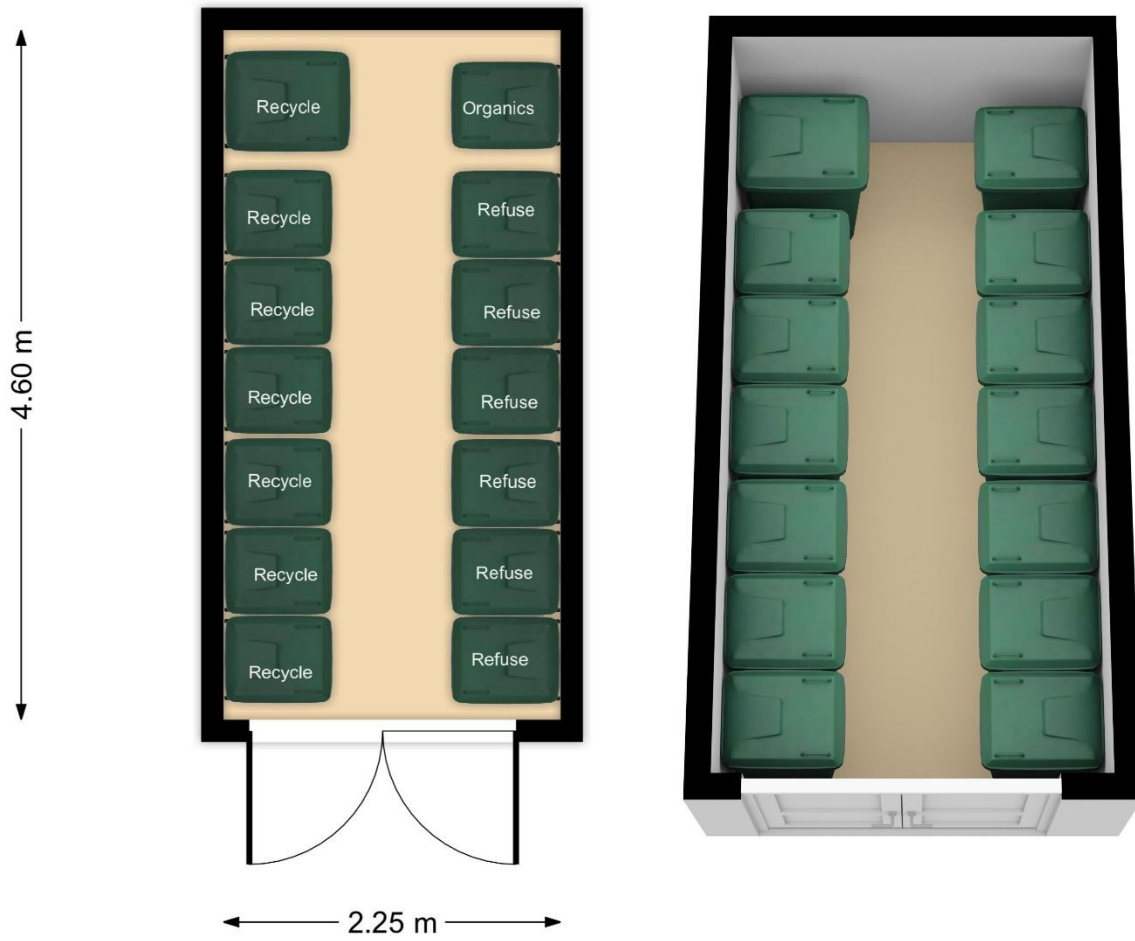
Appendix One: WASTE ENCLOSURE SPECIFICATIONS

Each waste enclosure will include double outward opening doors and drainage, a wash-down tap is to be provided in close proximity to each enclosure. Dimensions shown are minimum internal clear wall-space measurements, (all framework, fittings etc are in addition to these measurements). The enclosure will either be at the same ground level as the car park/driveway, or if on a raised pad, a ramped crossing will be provided to transition from the enclosure level to the car park/driveway level.

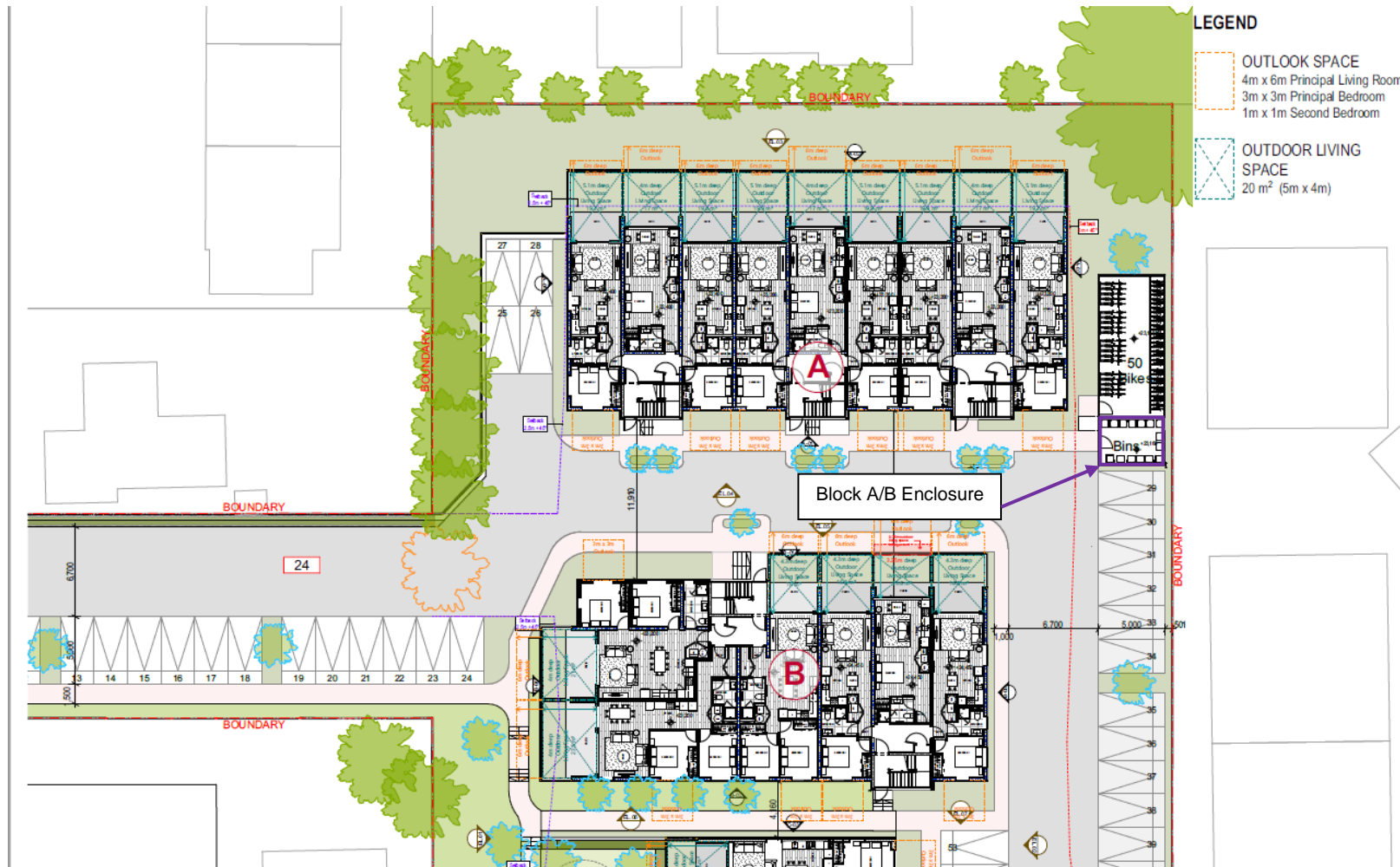
Figures 1 & 2: Indicative Waste Enclosure 1



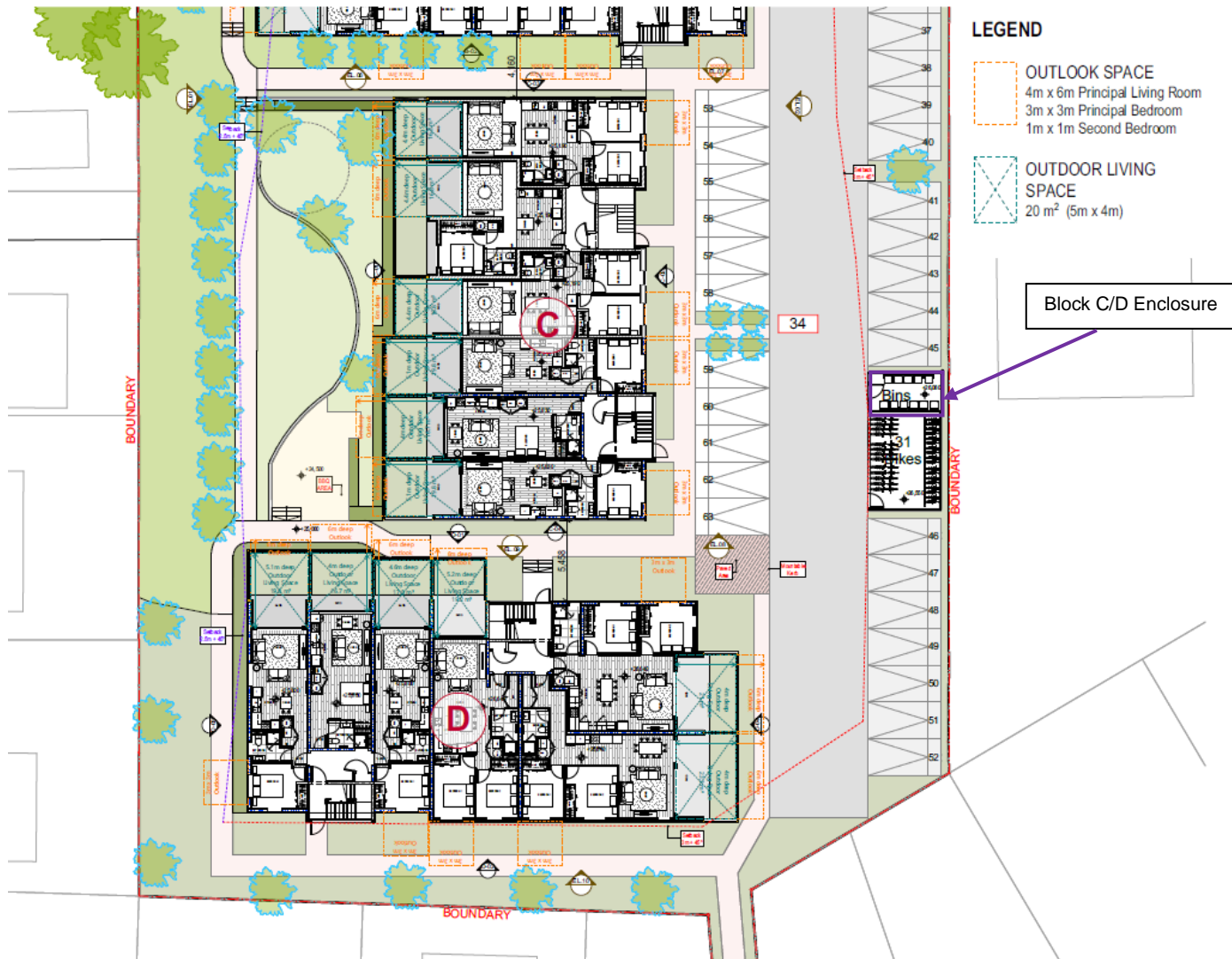
Figures 3 & 4: Indicative Waste Enclosure 2



Appendix Two: Waste Area Locations – Site Plan



Ground Floor Site Plan – Blocks A and B



Ground Floor Site Plan – Blocks C and D

Appendix Three: Vehicle Manoeuvre Tracking



Revision notes:

Rev:	Date:	Note:
A	10 SEPT 2021	FOR RESOURCE CONSENT

Drawn by:

MN J008545
Client: DA SILVA BUILDERS LIMITED

Project:

PROPOSED RESIDENTIAL DEVELOPMENT 13 CRESTA AVE & 98 BEACH HAVEN RD, BEACH HAVEN
Drawing Title: VEHICLE TRACKING 7th GREEN GORILLA WASTE TRUCK

Date:

15 SEPTEMBER 2021
Scale @ A3: 1:500 @ A3
Revison: A - RESOURCE CONSENT



Figure:

1



