

South Collyhurst



DRAFT

Waste Management Strategy - Rev PL
March 2023



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1.0 Introduction

This Waste Strategy report is prepared by Buttress on behalf of FEC and MCC in support of South Collyhurst.

2.0 Development Proposals

A Schedule of accommodation is provided in the Design and Access Statement and is summarised as follows:

- Housing
- 14 x 3B5P
- Apartments
- 1 x 2B4P Duplexes
 - 2 x 3B5P Duplexes
 - 2 x 3B6P
 - 6 x 2B3P
 - 5 x 2B4P

3.0 Scope of the Report

This strategy establishes the means of recycling the material generated and sets out the following:

- Forecast waste generation & recycling rates;
- Proposed waste management strategy;
- Proposed waste storage facilities; and
- Forecast the refuse collection frequency.

This report sets out the policy context for waste management, forecast the waste generated, the number of bins required, the collection frequency, the management and oversight of the waste collection strategy.

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4.0 Policy Context

The development falls within the City of Manchester and MCC have published guidance on the design and management of buildings to produce waste management strategies that maximise the amount of waste that is recycled. Manchester City Council requests that a Waste Pro Forma is completed to support development applications and this is presented later in this document.

To achieve high recycling rates, it states that all refuse should be separated at source and stored off the highway in purpose built refuse stores minimising the distance to collection thus reducing the opportunity for spillage. In accordance with Section 34 of the Environmental Protection Act 1990, the manager of the development has a legal 'Duty of Care' to ensure that waste is securely stored and disposed of legally. The most convenient way to achieve this is by using a registered waste carrier.

The Waste (England and Wales) (amendment) Regulations 2012 has introduced changes and updates that affect both waste producers and waste management companies alike. These include the need to separate waste-paper, metal, plastic and glass in different waste streams. Another change will be the obligatory use of SIC codes in all documentation relating to waste management services and a compulsory commitment from waste producers to adhere to the waste hierarchy as described and published by DEFRA under regulation 15(1) of the Waste (England and Wales) Regulations 2011.

To demonstrate compliance with regulations, a Waste Transfer Note is required when that waste is collected by the waste carrier. This may be provided electronically. Many carriers are also able to provide environmental reports to inform on the waste management performance. There will be food waste generated from the residential uses and also potentially from a commercial units such as a café in the ancillary uses on site. Food Waste needs to be covered by the Animal By Products (Enforcement) (England) Regulations 2011. The volumes of waste will be greater than 20kg and therefore need to be stored in a labelled container and collected by a licensed carrier and records kept.

Interventions are needed in all stages of the process to minimise waste going to landfill. The minimisation of waste and recycling interventions by occupiers and the management company can help meet MCC's and the government's aspirations.

All new developments must meet the requirements of Part H6 of the Building Regulations 2000 (solid waste storage) which states:

- Adequate means of storing solid waste shall be provided; and
- Adequate means of access should be provided for people in the building to the place of storage, and, from the place of storage to a collection point agreed by the waste collection authority.

5.0 Waste Forecasts

The waste forecasts for Residential Waste is based on a rule of thumb calculation (Manchester Residential Quality Guidance) of 110 litres per apartment per week as shown:

Number of Dwellings x 110	=	Weekly waste in litres
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Applying this to the development mix provides the following waste forecast. The forecast for the commercial and residential, we have used a general rates derived from BS5906:2005.

We have also reviewed current advice from DEFRA (Statistics on waste managed by local authorities in England in 2019/20) who advise that separately collected food waste accounts for less than 3% of the volume of total residential waste. Organic food waste will be stored in a 240l bin and each apartment will be provided with a 21litre caddy for food waste.

The waste forecast and recycling proportions for the Residential and Commercial space are set out in the tables (right).

It should be noted that the General Refuse Waste Stream can be further subject to recycling post collection depending on the collector's waste recovery strategy.

For South Collyhurst Waste Proforma see Appendix A

HOUSING (FORTNIGHTLY COLLECTIONS)		
• 3 Bed	14	
Forecast :		
GD04 Residential Bin Storage Requirement per household	4x 240L Wheely Bin	
240 litre Wheely Bin.		
• General non-recyclable refuse	14 bins	
• Paper / Card	14 bins	
• Plastic / Metal / Glass	14 bins	
• Organic food waste	14 bins	
Total.		
56 x 240 litre Wheely Bin		

APARTMENT BLOCK (FORTNIGHTLY COLLECTIONS)		
• 2 Bed	12	
• 3 Bed	4	
Total Number of Units	16	
Forecast :		
Fortnightly Waste Forecast 220L per Apartment (50*220)	3520L per fortnight	
GD04 Residential Bin Storage Requirement per apartment (0.43sqm / apartment)	6.88sqm	
Waste storage based on :		
• General non-recyclable refuse	47%	1,654.4L
• Organic food waste	3%	105.6L
• Paper / Card	25%	880L
• Plastic / Metal / Glass	25%	880L
1100 litre Eurobins.		
• General non-recyclable refuse	2 bins	
• Paper / Card	1bins	
• Plastic / Metal / Glass	1 bins	
240 litre Wheely Bin.		
• Organic food waste	1 bins	
Total.		
4 x 1100L Euro Bins and 1 x 240 litre Wheely Bin		

6.0 Waste Storage and Collection Frequency

6.1 Housing

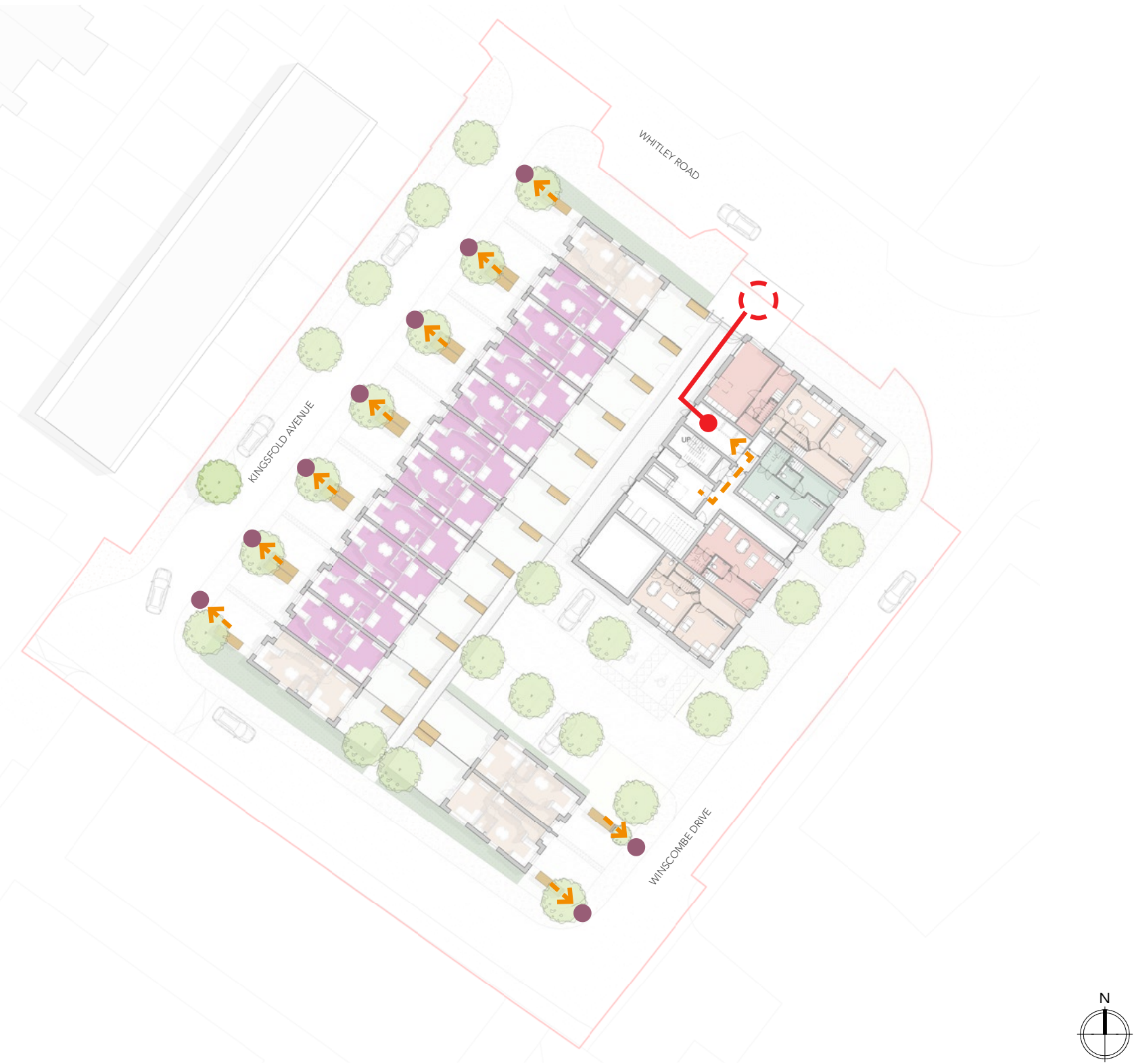
Each house will store their bins in their own dedicated external bin store and will move their own bins on collection day to their dedicated collection area.

The apartment block has a mechanically ventilated internal refuse store. On collection days management will move the full bins to the kerb side, and return them to the refuse store immediately after collection.

See Appendix B for waste tracking.

Key

- > Residents route
- Residential refuse management route
- Residential refuse collection point (houses)
- Residential refuse collection point (apartments)



6.2 Apartment Block SC

As previously described, Based on the MCC document ‘GD 04 Waste Storage and Collection Guidance for New Developments Version 6’ the developer needs to provide 0.43m2 of space per apartment. The apartment block will deliver 16 apartments and on this basis the minimum requirement for residential bins is 6.88sqm.

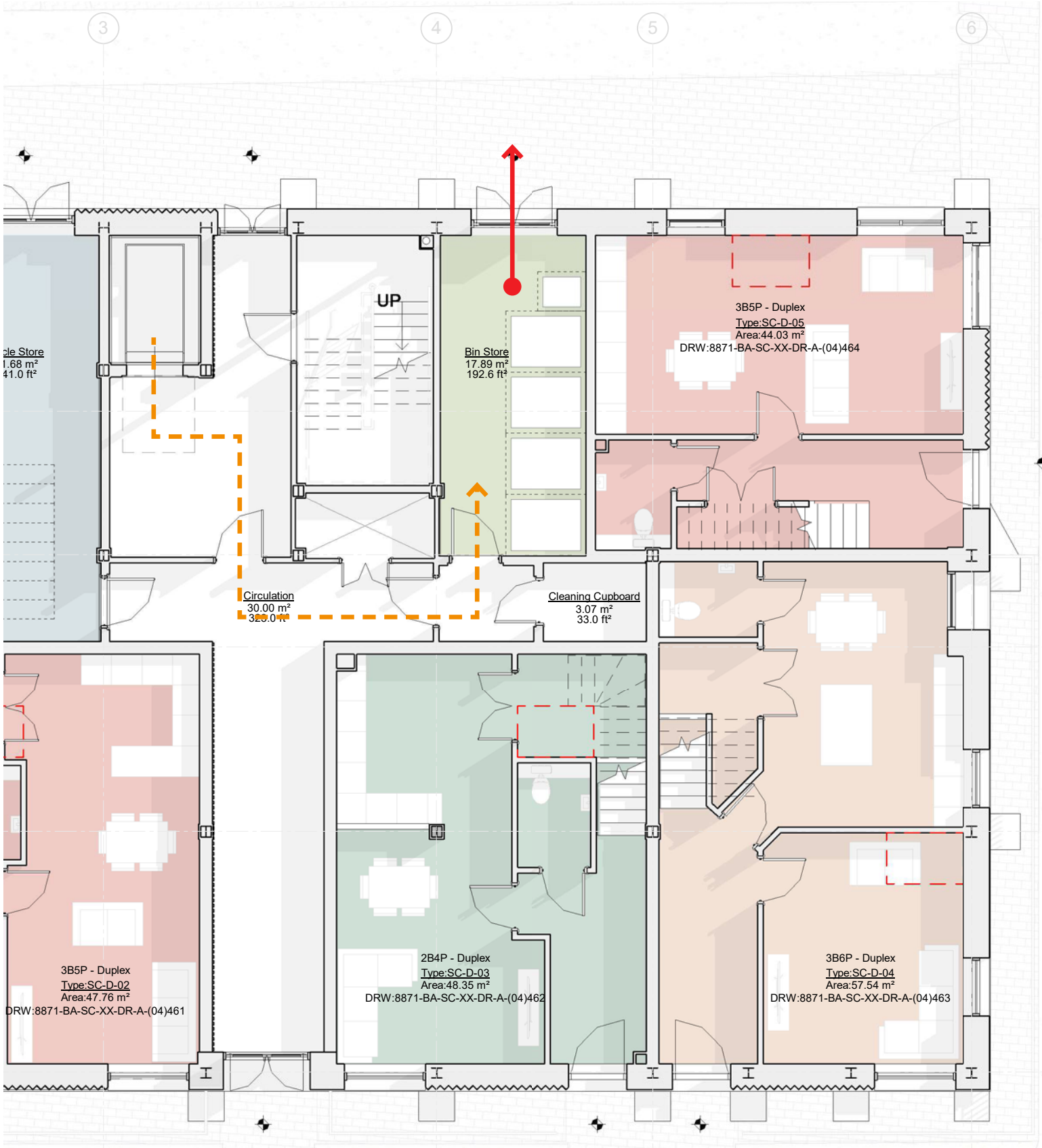
The apartment block residential bin store planned within the building:

Apartment Block	17.9sqm
(16 units)	

In total there is enough space within the above stores to hold in excess of the 4 x 1100L Euro Bins and 1 x 240 litre Wheely Bin assuming fortnightly collections.

Key

Residents route

Residential refuse management route

7.0 Waste Management Strategy Summary

7.1 Housing

Waste collection for individual house units will be located in bin stores on the individual plots with the resident being responsible for the bins being brought out prior to collection and returned after and to ensure areas are kept clean.

It is proposed that Residential Waste will be collected by the local Authority waste collection company.

7.2 Apartment Block

Waste collection for the apartment block will be supervised by the on-site building management team and involves bins being brought out immediately prior to collection and returned immediately after and to ensure areas are kept clean.

It is proposed that Residential Waste will be collected by the local Authority waste collection company.

Appendix E Proforma for Planning Applications



Planning Application – Waste Management Strategy

Planning Application Number:
Date Submitted:

Estimated volumes/ m² required by the development

Low Rise Domestic

Waste Types	Capacity Required (litres)	Number of bins required per household	Confirm what is to be provided
General refuse	140 / 240	1 x wheeled bin	14 x 240L
Pulpable Recycling	140 / 240	1 x wheeled bin	14 x 240L
Mixed Recycling	140 / 240	1 x wheeled bin	14 x 240L
Garden Waste	140 / 240	1 x wheeled bin	14 x 240L
Food Waste	23	1 x 23 litre caddy	0

High Rise Apartment Developments

	Yes/No - how much space has been provided?
0.43m ² has been provided per apartment for the container space. Space to manoeuvre and access containers individually has also been provided so that each container can be accessed and removed for collection individually.	Yes, 0.43sqm has been provided per apartment providing a total of 4 1100L Eurobins and 1 x 240L for the apartment building. Circulation space to manoeuvre and access containers has been provided to allow for a managed rotation of bins and removal for collection.

Commercial Developments

Please state number of bins you propose, showing calculations where appropriate.

General Waste -
Pulpable Recycling -
Mixed Recycling -
Food Waste -
Industrial Waste -

Has / will a contract be obtained with a licenced waste carrier?

☒

Mixed Use Developments

Are the stores for residential and commercial separate from each other?

☒

Internal Stores (Residential and Commercial)

Please provide details of internal stores / segregation of waste and recycling.

Residents have access on the ground floor to the internal residential refuse store via the circulation core, and an external door is provided for removal on bin collection days. The residential store will be managed by facilities staff. Separate eurobins will be provided for waste and recycling.

Storage Areas for Waste Containers (Residential and Commercial)

Please provide details of container stores, attaching plans if appropriate.

Residential storage areas for the low rise development have waste containers providing space for 4 x 240L bins for properties. These storage areas are located on front drives in high quality design timber and brick stores.

Ensure all bins in the store are accessible

☒

Ensure recycling facilities are as easy to access as general refuse

☒

Please confirm details of waste store ventilation and hygiene / cleaning proposals

Ventilation - Residential waste stores for the low rise development are in self-contained stores which are covered and screened for weather protection and are fully ventilated. The internal residential refuse store for the apartment building will be fully ventilated.

Hygiene - Residential stores for the low rise development will be constructed and finished in materials which are impervious and easy to clean. The internal residential refuse store will have floor finishes that can be easily cleaned and sprayed down. This store will be regularly cleaned by the facility staff.

Please provide details of who will be responsible for placing the bins at the collection point and returning them to the store / property promptly e.g. resident / management company

All stores for the low rise development are located close to the adopted highway and will be put onto the road side by residents on bin collection days.
The refuse store for the apartment building will be moved to the bin collection point by the facility staff. Following collection the facility staff will ensure all containers have been returned to the refuse store.

Please ensure that you have attached:

Detailed plans of waste stores

☒

Location plans showing stores

☒

Location plans showing the proposed collection point and the route the collection vehicle will take

☒

Please ensure that you have completed this form in accordance with our GD04 Waste Storage and Collection Guidance for New Developments

9.0 Appendix C - Refuse Tracking



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