

# School Street

# DCC Housing



Metropolitan  
Workshop

Architecture + Urbanism

AECOM i3PT



**Appendix 4:  
Operational Waste  
Management  
Plan**

# 1. Operational Waste Management Plan

The Waste Management Plan has been developed with input from DCC Housing & Maintenance Department.

## Calculation

Calculation for bin numbers have been prepared in line with the DCC Brief:

- 1 no. 1,100L bin per 15 people
- 60 % grey waste
- 40 % green waste
- 1 no. 120L bin for compostable bin
- 1 no. 600x600 mm space for non-household waste (washing machine disposal etc.)

## Waste Collection Strategy

A centralised waste collection strategy is proposed for the development at School Street. Twice weekly collection will be arranged with provision for typical domestic waste, recycling material, organic waste and non-domestic waste in each of the 4 bin stores.

Bin stores are located next to the circulation cores in each of the blocks. Residents of the blocks are requested to drop their waste to the bin stores in their building.

On the day of collection, wheely bins are moved manually from the bin stores to the presentation area located adjacent to School Street by the caretaker. From this location the waste collection company will collect the waste. Empty bins are then returned by DCC Housing Management to the appropriate bin store. It is noted that this process is usually complete by 11 am on the day of collection.

## Set-down Areas & Presentation Areas

A set down area is provided alongside School Street to the north boundary of the site. These are clear of fire tender routes.

A presentation area is provided adjacent to the set down area/loading bay for waste collection purposes. Dished footpaths will be used along the route from the bin stores to the collection point and aco drains crossing this route will be avoided or designed to accommodate container wheels. The routes are no steeper than 1.20.

## Information, Security & Access

A signage strategy will be implemented for the bin stores to encourage efficient separating of waste material. The collection strategy should also be clearly communicated to residents. Fob access will be provided on the door to the bin stores for security purposes. As requested by the client, all bin stores are accessed externally, for hygiene purposes so as to avoid smells in common internal areas of the scheme.. CCTV is provided for the bin store for security purposes and will be out of reach or protected to avoid vandalism

Block A1 - Bin Store Calculation					
<b>Block A1</b>	<b>Units</b>	<b>Bedspaces</b>			
1B2P	0	0			
2B3P	3	9			
2B4P	24	96			
3B5P	0	0			
<b>Total</b>	<b>27</b>	<b>105</b>			
1 No. 1,100Litre <span style="float:right">105</span> <span style="float:right">7</span>					
Bin per 15 people					
Once Weekly		Required Numbers; Twice Weekly Collection		Number Provided	
7 1,100 L	TOTAL	4 1,100 L	TOTAL	4 1,100 L	TOTAL
4 1,100 L	General Waste	2 1,100 L	General Waste	2 1,100 L	General Waste
3 1,100 L	Dry Mixed Recycling	2 1,100 L	Dry Mixed Recycling	2 1,100 L	Dry Mixed Recycling
1 120 L	Organic Waste	1 120 L	Organic Waste	1 120 L	Organic Waste
1 Zone	Non-household waste	1 Zone	Non-household waste	1 Zone	Non-household waste

Block A2 - Bin Store Calculation					
<b>Block A2</b>	<b>Units</b>	<b>Bedspaces</b>			
1B2P	10	20			
2B4P	16	64			
3B5P	9	45			
<b>Total</b>	<b>35</b>	<b>129</b>			
1 No. 1,100Litre <span style="float:right">129</span> <span style="float:right">8.6</span>					
Bin per 15 people					
Once Weekly		Required Numbers; Twice Weekly Collection		Number Provided	
9 1,100 L	TOTAL	5 1,100 L	TOTAL	5 1,100 L	TOTAL
5 1,100 L	General Waste	3 1,100 L	General Waste	3 1,100 L	General Waste
4 1,100 L	Dry Mixed Recycling	2 1,100 L	Dry Mixed Recycling	2 1,100 L	Dry Mixed Recycling
1 120 L	Organic Waste	1 120 L	Organic Waste	1 120 L	Organic Waste
1 Zone	Non-household waste	1 Zone	Non-household waste	1 Zone	Non-household waste

Block B0 - Bin Store Calculation					
<b>Block B0</b>	<b>Units</b>	<b>Bedspaces</b>			
1B2P	3	6			
2B4P	6	24			
3B5P	9	45			
<b>Total</b>	<b>18</b>	<b>75</b>			
1 No. 1,100Litre <span style="float:right">75</span> <span style="float:right">5.0</span>					
Bin per 15 people					
Once Weekly		Required Numbers; Twice Weekly Collection		Number Provided	
5 1,100 L	TOTAL	3 1,100 L	TOTAL	3 1,100 L	TOTAL
3 1,100 L	General Waste	2 1,100 L	General Waste	2 1,100 L	General Waste
2 1,100 L	Dry Mixed Recycling	1 1,100 L	Dry Mixed Recycling	1 1,100 L	Dry Mixed Recycling
1 120 L	Organic Waste	1 120 L	Organic Waste	1 120 L	Organic Waste
1 Zone	Non-household waste	1 Zone	Non-household waste	1 Zone	Non-household waste

Block C0 - Bin Store Calculation					
<b>Block C0</b>	<b>Units</b>	<b>Bedspaces</b>			
1B2P	28	56			
2B4P	16	64			
3B5P	0	0			
<b>Total</b>	<b>44</b>	<b>120</b>			
1 No. 1,100Litre <span style="float:right">120</span> <span style="float:right">8.0</span>					
Bin per 15 people					
Once Weekly		Required Numbers; Twice Weekly Collection		Number Provided	
8 1,100 L	TOTAL	4 1,100 L	TOTAL	4 1,100 L	TOTAL
5 1,100 L	General Waste	2 1,100 L	General Waste	2 1,100 L	General Waste
3 1,100 L	Dry Mixed Recycling	2 1,100 L	Dry Mixed Recycling	2 1,100 L	Dry Mixed Recycling
1 120 L	Organic Waste	1 120 L	Organic Waste	2 120 L	Organic Waste
1 Zone	Non-household waste	1 Zone	Non-household waste	1 Zone	Non-household waste

Site Wide - Bin Store Calculation					
<b>Units</b>	<b>Bedspaces</b>				
1B2P	41	82			
2B3P	3	9			
2B4P	62	248			
3B5P	18	90			
<b>Total</b>	<b>124</b>	<b>429</b>			
1 No. 1,100Litre <span style="float:right">429</span> <span style="float:right">28.6</span>					
Bin per 15 people					
Once Weekly		Required Numbers; Twice Weekly Collection		Number Provided	
29 1,100 L	TOTAL	16 1,100 L	TOTAL	16 1,100 L	TOTAL
17 1,100 L	General Waste	9 1,100 L	General Waste	9 1,100 L	General Waste
12 1,100 L	Dry Mixed Recycling	7 1,100 L	Dry Mixed Recycling	7 1,100 L	Dry Mixed Recycling
1 120 L	Organic Waste	4 120 L	Organic Waste	5 120 L	Organic Waste
1 Zone	Non-household waste	4 Zone	Non-household waste	4 Zone	Non-household waste



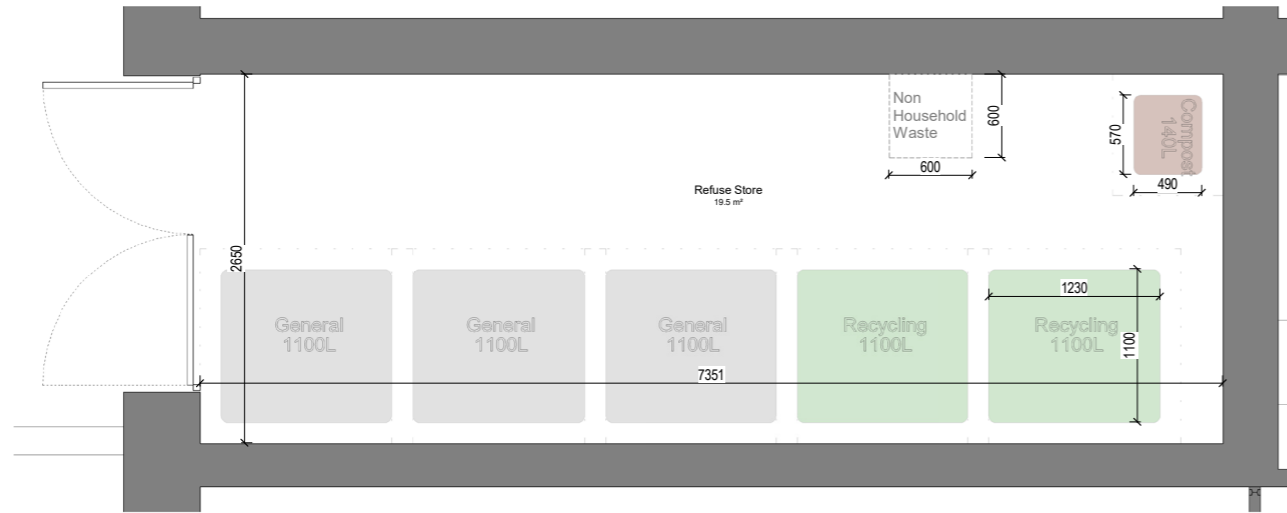
**Strategy:**

- Waste/ recycling material etc. to be brought to bin stores by residents
- Twice weekly bin collection for General, Mixed Dry Recycling and Compost
- Assumption that general mixed and recycling collections at different times
- Bins to be moved manually to the presentation areas by a DCC representative
- Collection from Presentation areas to setdown area by waste management company

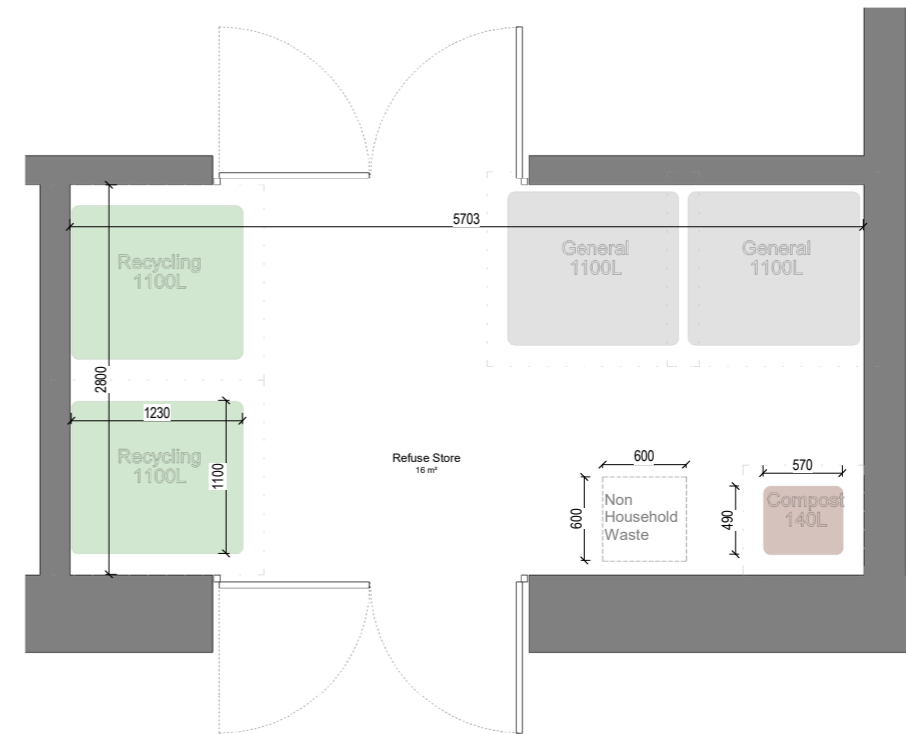
**Notes:**

- Provide dishd footpaths where appropriate
- Bin stores to have appropriate waste/ recycling signage/active security measures(CCTV) and fob access

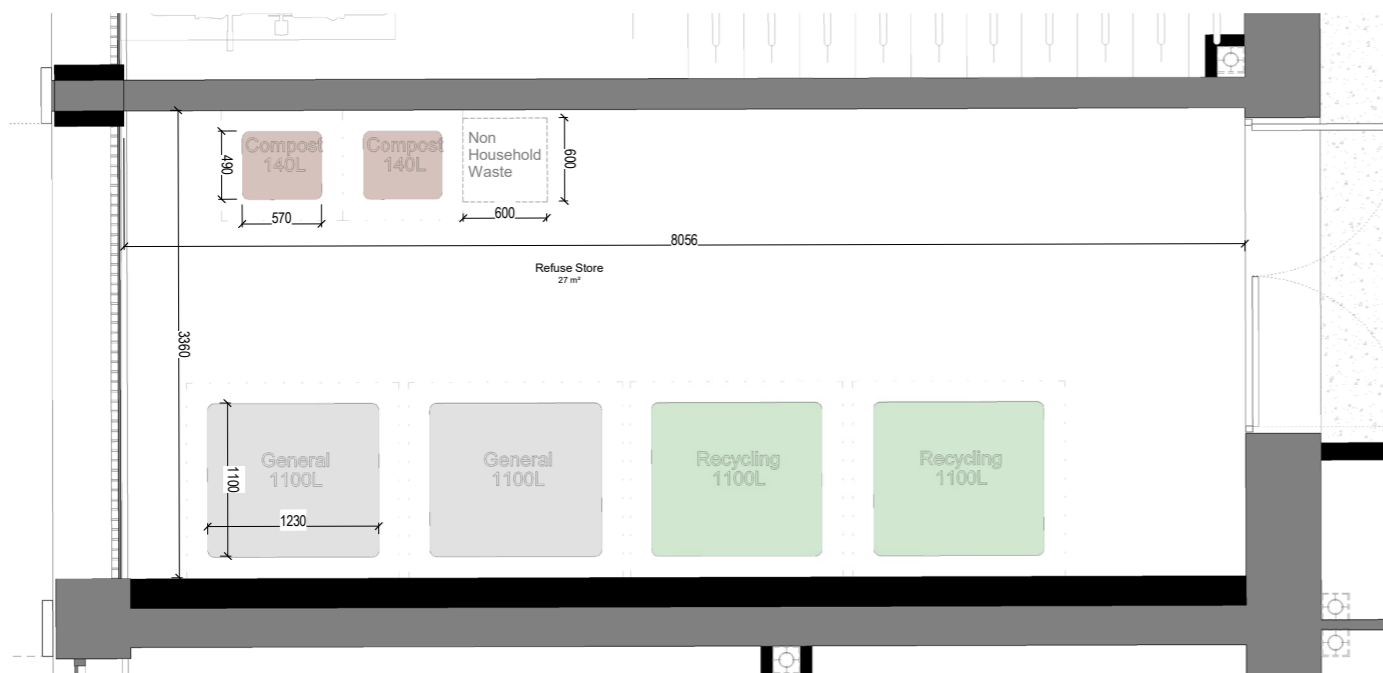
SKETCH



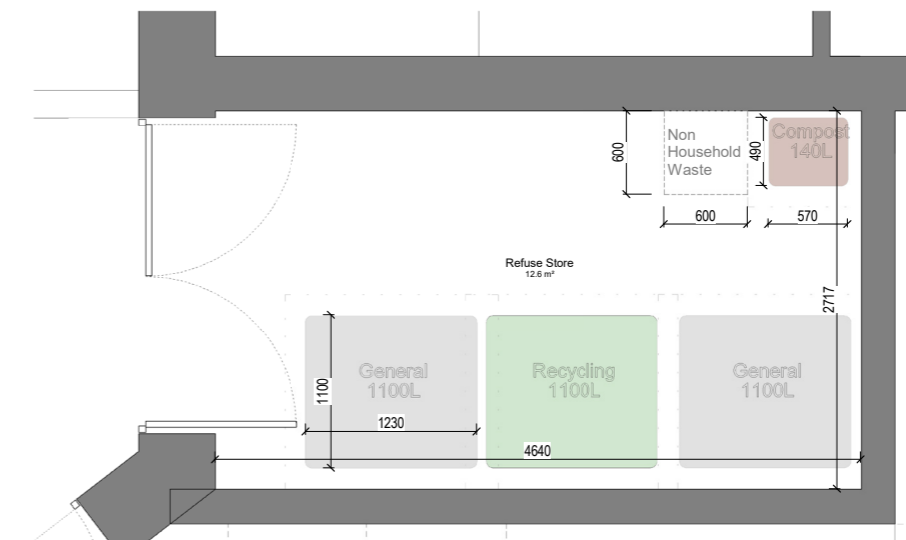
A2 Refuse Store  
1:25



A1 Refuse Store  
1:25



C0 Refuse Store  
1:25



B0 Refuse Store  
1:25

Proposed Bin stores