

RED BANK DETAILED PLOTS NT02-04

Design & Access Statement

Waste Addendum July 2023



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8

Access

8.6

Waste management - Refuse provision - NT02-03

The refuse provision and waste stores have been designed in accordance with the criteria set out in GD04 v6. A breakdown of the assumed waste capacity for the commercial and individual residential areas is provided here.

Residents throughout the development will take their refuse and recycling directly to the refuse stores located adjacent to the circulation cores at ground level.

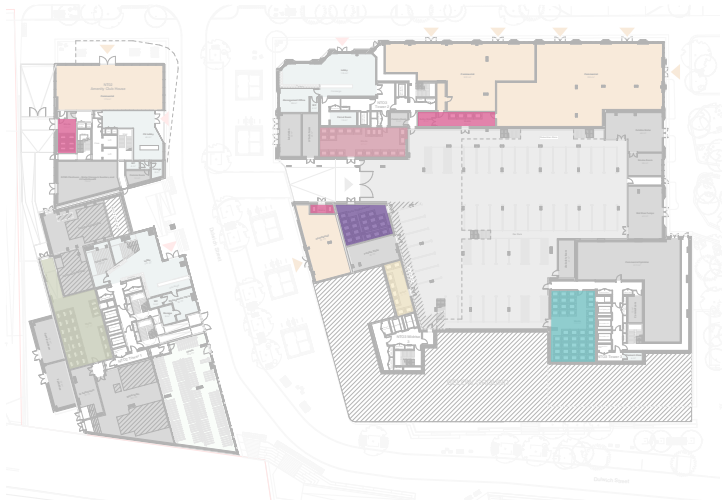
The size of some stores will exceed the guidance of 0.43m2 per apartment and bi-weekly collections will be arranged between the building operator(s) and private refuse contractors.

All residential refuse stores will be managed by the facilities staff.

The commercial units are provided with separate waste storage. Storage and collections will be managed by commercial tenants.

	Tower 1 - 316 properties			Tower 2 - 189 properties			Mid-Rise 3 - 68 properties		
GD 04 Waste Storage and Collection Guidance for New Developments	Refuse	Paper	Co-Mingled	Refuse	Paper	Co-Mingled	Refuse	Paper	Co-Mingled
	110 litre per property	55 litre per property	55 litre per property	110 litre per property	55 litre per property	55 litre per property	110 litre per property	55 litre per property	55 litre per property
Total waste	34,760 litres	17,380 litres	17,380 litres	20,790 litres	10,395 litres	10,395 litres	7,480 litres	3,740 litres	3,740 litres
Quantity of 1100L bins provided	32 1100L	16 1100L	16 1100L	19 1100L	9 1100L	9 1100L	7 1100L	3 1100L	3 1100L
Total / Collection	Total 64 1100L Eurobins at collection once per week			Total 37 1100L Eurobins at collection once per week			Total 13 1100L Eurobins at collection once per week		
Refuse Store Area	GD 04 requirement 0.43 sqm per apartment 0.43 x 316 = 135.88 sqm (required) Total provided - 127 sqm			GD 04 requirement 0.43 sqm per apartment 0.43 x 18 = 81.27 sqm (required) Total provided - 88 sqm			GD 04 requirement 0.43 sqm per apartment 0.43 x 68 = 29.24 sqm (required) Total provided - 39 sqm		

- Tower 1 Refuse Store
- Tower 2 Refuse Store
- Mid-Rise 3 Refuse Store
- Tower 3/Tail 3 Refuse Store
- Commercial Refuse Store
- Refuse Staging Area

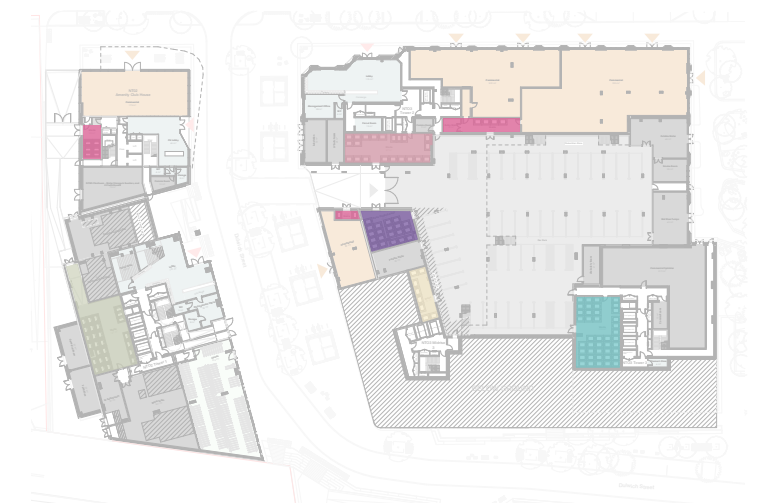


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8.6 Waste management - Refuse provision - NT02-03

	Tower 3 and Tail 3 - 322 properties		
GD 04 Waste Storage and Collection Guidance for New Developments	Refuse 110 litre per property	Paper 55 litre per property	Co-Mingled 55 litre per property
Total waste	35,420 litres	17,710 litres	17,710 litres
Quantity of 1100L bins provided	33 1100L	16 1100L	16 1100L
Total / Collection	Total 65 1100L Eurobins at collection once per week		
Refuse Store Area	GD 04 requirement 0.43 sqm per apartment 0.43 x 320 = 138.5 sqm (required) Total provided - 110 sqm		

	Commercial - for each unit (Based on largest 380sqm unit)		
GD 04 Waste Storage and Collection Guidance for New Developments	Commercial waste based on waste storage capacities for retail use 5000 litres per 1000 sqm gross floor area. 50% capacity retained for recycling		
Total waste	Refuse 500 litres	Paper 250 litres	Co-Mingled 250 litres
Quantity of bins provided	1 660L	1 240L	1 240L
Total / Collection	Total 4 Mixed Eurobins at collection once per week		



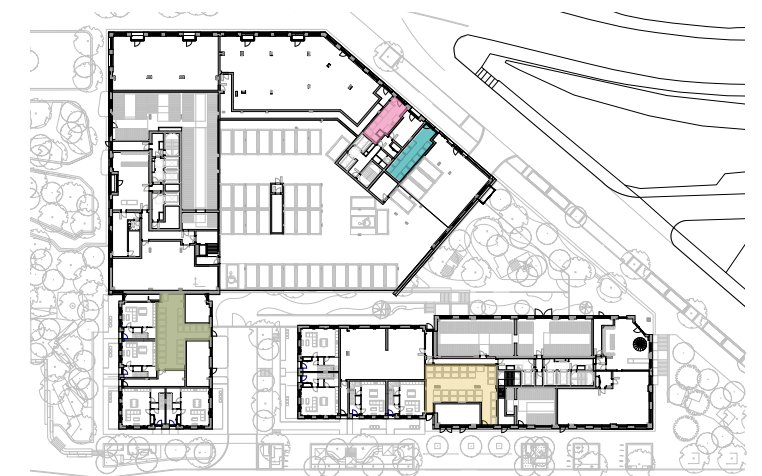
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7.6 NT04 W

	Tower 4 - 268 properties	Mid-rise 4 - 84 properties	Tower 5- 304 properties	Commercial - 682m² GIA																						
GD 04 Waste Storage and Collection Guidance for New Developments	<table><tr><th>Refuse</th><th>Paper</th><th>Co-Mingled</th></tr><tr><td>110 litre per property</td><td>55 litre per property</td><td>55 litre per property</td></tr></table>	Refuse	Paper	Co-Mingled	110 litre per property	55 litre per property	55 litre per property	<table><tr><th>Refuse</th><th>Paper</th><th>Co-Mingled</th></tr><tr><td>110 litre per property</td><td>55 litre per property</td><td>55 litre per property</td></tr></table>	Refuse	Paper	Co-Mingled	110 litre per property	55 litre per property	55 litre per property	<table><tr><th>Refuse</th><th>Paper</th><th>Co-Mingled</th></tr><tr><td>110 litre per property</td><td>55 litre per property</td><td>55 litre per property</td></tr></table>	Refuse	Paper	Co-Mingled	110 litre per property	55 litre per property	55 litre per property	<table><tr><td>GD 04 Waste Storage and Collection Guidance for New Developments</td><td colspan="3">Commercial waste based on waste storage capacities for retail use 5000 litres per 1000 sqm gross floor area. 50% capacity retained for recycling</td></tr></table>	GD 04 Waste Storage and Collection Guidance for New Developments	Commercial waste based on waste storage capacities for retail use 5000 litres per 1000 sqm gross floor area. 50% capacity retained for recycling		
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Quantity of 140L bins provided	<table><tr><td>4 140L</td></tr></table>	4 140L	<table><tr><td>0 140L</td></tr></table>	0 140L	<table><tr><td>4 140L</td></tr></table>	4 140L	<table><tr><td>1 1100L</td></tr></table>	1 1100L																		
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NT04 homes are provided with waste stores related to each core. Duplex units within the 'tails' of Towers 4 & 5 are each provided with 3no. 140L Eurobins stored externally.

The commercial units are provided with a separate waste store.



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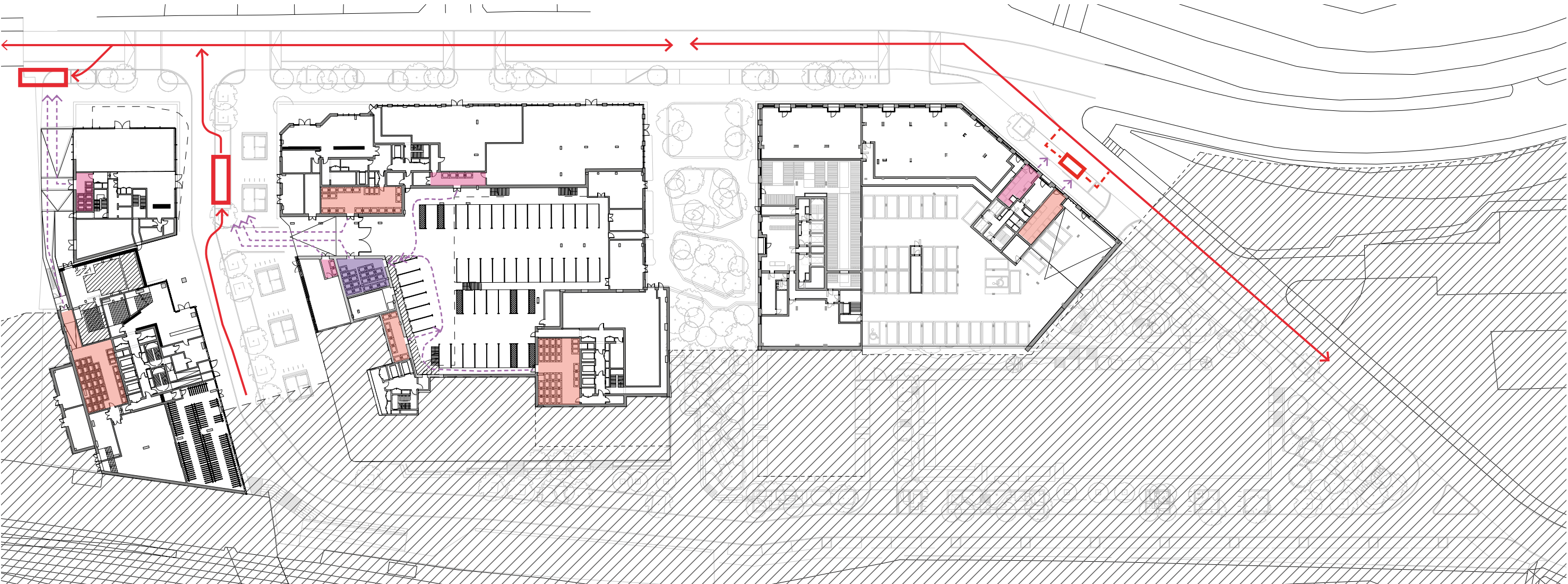
Access

8.7

Waste management - Refuse collection strategy

Level LG - lower ground

The diagram sets out the waste storage and collection strategy.



- Key
- Main vehicle route
 - Potential route for refuse vehicle
 - Route of bins moved by management personnel for collection
 - Collection point

- Residential refuse store
- Commercial refuse store
- Refuse staging area

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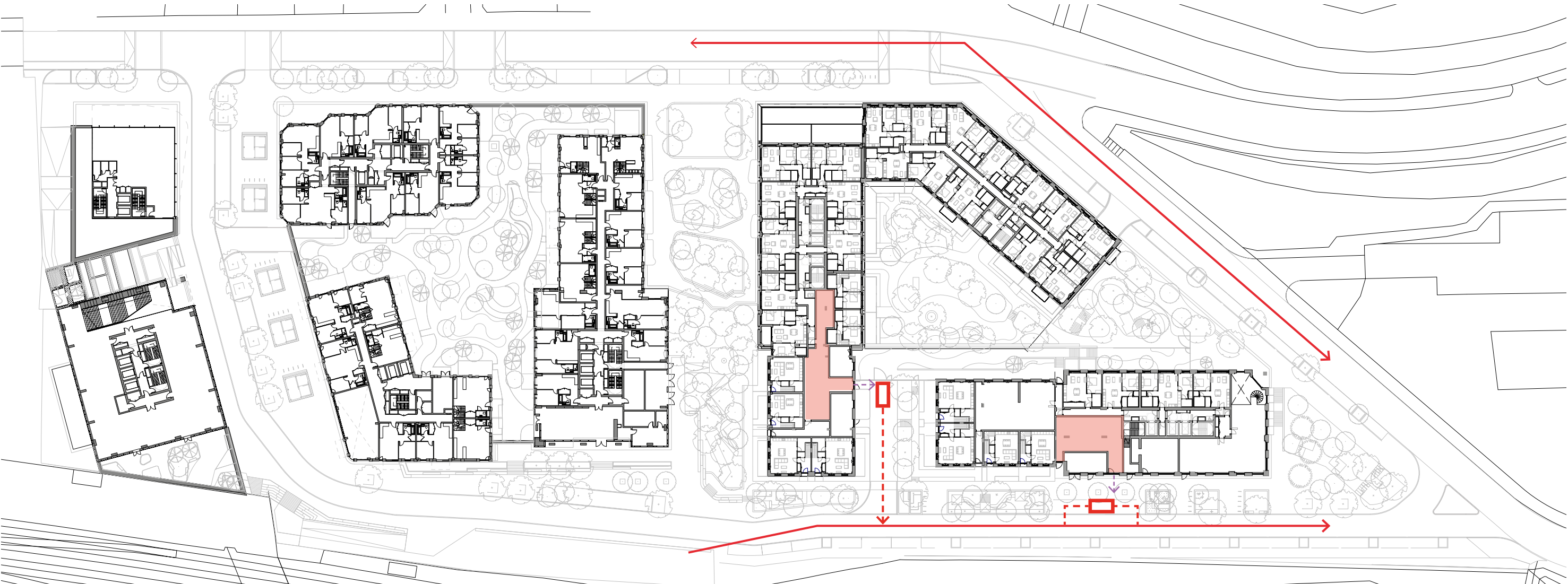
Access

8.7

Waste management - Refuse collection strategy

Level UG - upper ground

The diagram sets out the waste storage and collection strategy.



- Key
- Main vehicle route
 - - - → Potential route for refuse vehicle
 - - - - - → Route of bins moved by management personnel for collection
 - Collection point

- Residential refuse store
- Commercial refuse store
- Refuse staging area

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