total homes = 75

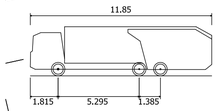
mix :
2 beds = 29
3 beds = 36
4 beds = 10

refuse vehicle access strategy

The site features a fire tender and refuse vehicle route reinforced with a **Golpla or similar system**, combining **gravel and grass infill**. This design seamlessly blends road and landscape, ensuring a drivable surface while softening its visual impact. The gravel creates a natural, meandering path, while the grass elements help disguise the presence of a road. The build ups of the drivable surfaces are suitable and egineered solutions designed for heavy duty vehicles.

fire tender route example - climate innovstion district leeds

fire tender route example - kelham central sheffield



11.85m Refuse Vehicle
Overall Length 11.850m
Overall Width 2.530m
Overall Body Height 3.211m
Min Body Ground Clearance 0.416m
Track Width 2.530m
Lock to lock time 4.00s
Kerb to Kerb Turning Radius 9.950m

Refuse vehicle used for tracking

note - for further details of refuse vehicle tracking please refer to transport statement by paragon highways

waste calculations - standard requirements

type	per household	total waste generated	bin size	no. of bins
general	240 ltrs	18000 ltrs	240 ltrs	1/household
recylable	240 ltrs	18000 ltrs	240 ltrs	1/household
garden	240 ltrs	18000 ltrs	240 ltrs	1/household
total		54000 ltrs		

Citu waste strategy

Our waste strategy for the Marsden site is centered on a radical shift in how we approach waste management. Achieving this transformation requires the collaboration of both the council and the residents. It is time to take ownership of this issue, fostering behavioral change through thoughtful design and strategic waste management solutions.

We aim to **reduce total waste on-site by 20%** through community-led initiatives and sustainable lifestyle choices. This reduction will lower the overall waste generated by residents.

- **60% Recyclable household waste**
- **15% Composted household waste**
- **25% Non-recyclable household waste**

Composting, an often underutilized method of waste disposal, will be a key focus of our strategy.

Community-Centric Approach:
At Citu, developments embrace a **fenceless community ethos**, treating the entire site as a shared garden space. Composting will reinforce this sense of community by enabling residents to actively contribute to the site's upkeep while generating valuable nutrient-rich soil to support the garden's growth and sustainability.
This initiative is not just about waste management--it's about fostering a shared responsibility for a greener, more sustainable future. Citu's waste strategy calls for a reduced number of bins, aligned with the decrease in total waste generated by residents.

Kirklees Vision:
Kirklees Council's waste strategy envisions a clean, green, and sustainable future, targeting zero waste to landfill, 70% recycling by 2030, and a circular economy. Citu's waste strategy aligns with this vision, sharing the same sustainability goals.

Communal bins:
Communal bins align with their core principles of reducing waste, promoting recycling, and fostering community-driven sustainability.
Here's why they matter to Citu:

Enhances Recycling & Waste Reduction – Encourages proper sorting, reducing contamination and landfill waste.

Lowers Carbon Footprint – Fewer collection trips mean reduced emissions.

Maximizes Space & Aesthetics – Eliminates clutter from multiple bins, maintaining a clean, modern look.

Promotes Sustainable Living – Encourages shared responsibility and eco-conscious habits.

Supports Smart Waste Management – Enables optimized collection and prevents overflow.

waste storage provided

type	per household	total waste generated	bin size	no. of bins
general	180 ltrs	13500 ltrs	1100 ltrs	12
recylable	180 ltrs	13500 ltrs	1100 ltrs	12
garden	180 ltrs	13500 ltrs	1100 ltrs	12
food waste	23 ltrs (tbc)	1725 ltrs	660 lts (tbc)	2 (tbc)
total		4225 ltrs		38
composters in addtion to bins provided above				

Kirklees Councils's Waste Management Design Guide

According to the design guide, households within shared buildings, courtyards, or other grouped properties typically use communal waste storage facilities. These facilities consist of larger capacity wheeled bins, usually either 660 liters or 1100 liters. Communal storage should offer 180 liters of capacity per household for each waste type, including general waste and recyclables.

The Marsden Island development is not a typical layout with front and rear gardens; instead, it is a community-focused design featuring grouped properties served by shared communal waste storage. Following the design guide, these communal facilities will provide 180 liters of storage capacity per household for each waste type. To future-proof the development, additional capacity has been included for food waste collection. Composters will also be supplied alongside the total number of bins to support organic waste management.
Marsden Island

key

location of bins stores
located along the refuse vehcile access for ease of collection

location of composters
Thermo-King 900 Litre Compost Bin or similar

Bins & Bike storage example
Timber structure with sedum roof

refuse vehicle access from manchester road

waste strategy plan

-
REVISIONS

1:250 / 1:500 / 1:1000 0 5/10/20 10/20/40 15/30/60 20/40/80
1:50 / 1:100 / 1:2000 0 1/2/4 2/4/8 3/6/12 4/8/16

PLANNING

Drawing Number
MI - CITU - P014

Title
waste strategy plan

Scale @ A1	Revised by	Rev
1 : 250		-
Drawn	**Reviewed**	**Sheet Created**
SM	SN	19/09/25

Marsden Island

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