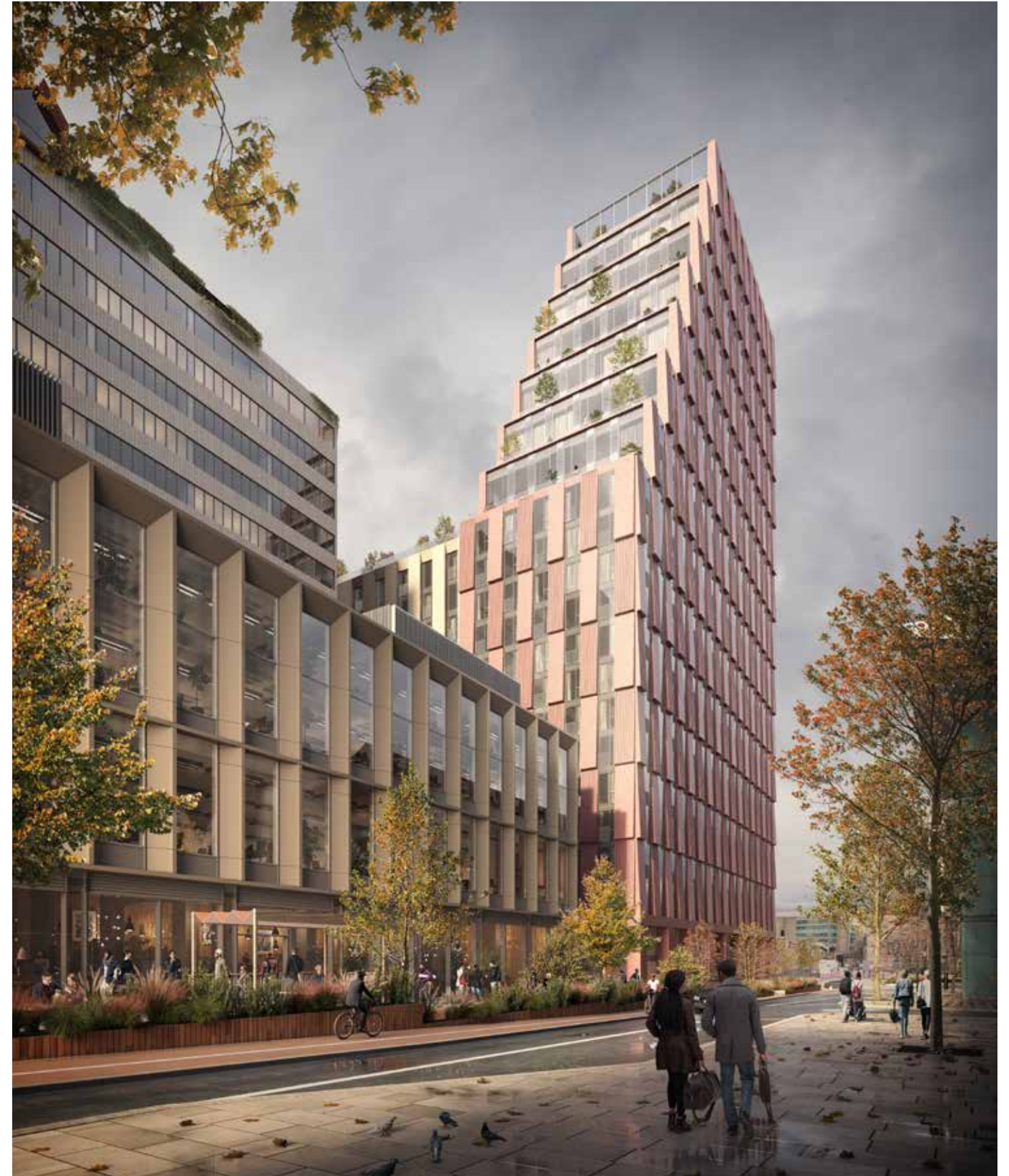


Property Alliance Group /
Starwood Capital Group
Renaissance Site
Commercial Waste Statement

1.0 Introduction

Purpose of the document

This document is an appendices to the Residential and Commercial Design and Access Statement highlighting the refuse strategy for the Retail Units



2.0 Access, Maintenance & Waste Management

2.1 Residential Waste

The refuse store is located on the south facade, accessed via the existing service yard.

The refuse store provides space for 40 No.1100L Eurobins plus 4No. 240L bins.

Refuse collection will be via the service yard, vehicles will enter via Deansgate in a one-way routing, exiting at Blackfriars Street.

No refuse chute is provided. Residents will have to bring any refuse to the Refuse Store.

Substation access is via the service yard.



- Key
- Refuse
 - Substation
 - Switch room
 - Service Access

The refuse stores sizes & capacity have been based upon documents MCC's GD04 and BS 5906:2005.

GD04 requires the refuse stores to be the number of apartments multiplied by 0.43m². There are 300 units in the scheme which gives a required size of 129m². The scheme provides a refuse store which is 141m². It is considered that the provision is suitable for the development.

Using BS5906:2005 provides the following calculation for weekly capacity: Volume for each apartment is 70L per bedroom + 30L.

The following storage requirements are required:

- one bed apartment = 100L
- two bed apartment = 170L
- three bed apartment = 240L

There are:

- 104 x 1 beds = 104x100L = 10,400L
- 187 x 2 beds = 187x170L = 31,790L
- 9 x 3 beds = 9x240L = 2,160L
- 44,350L

This total volume can be divided by percentage into the following waste streams:

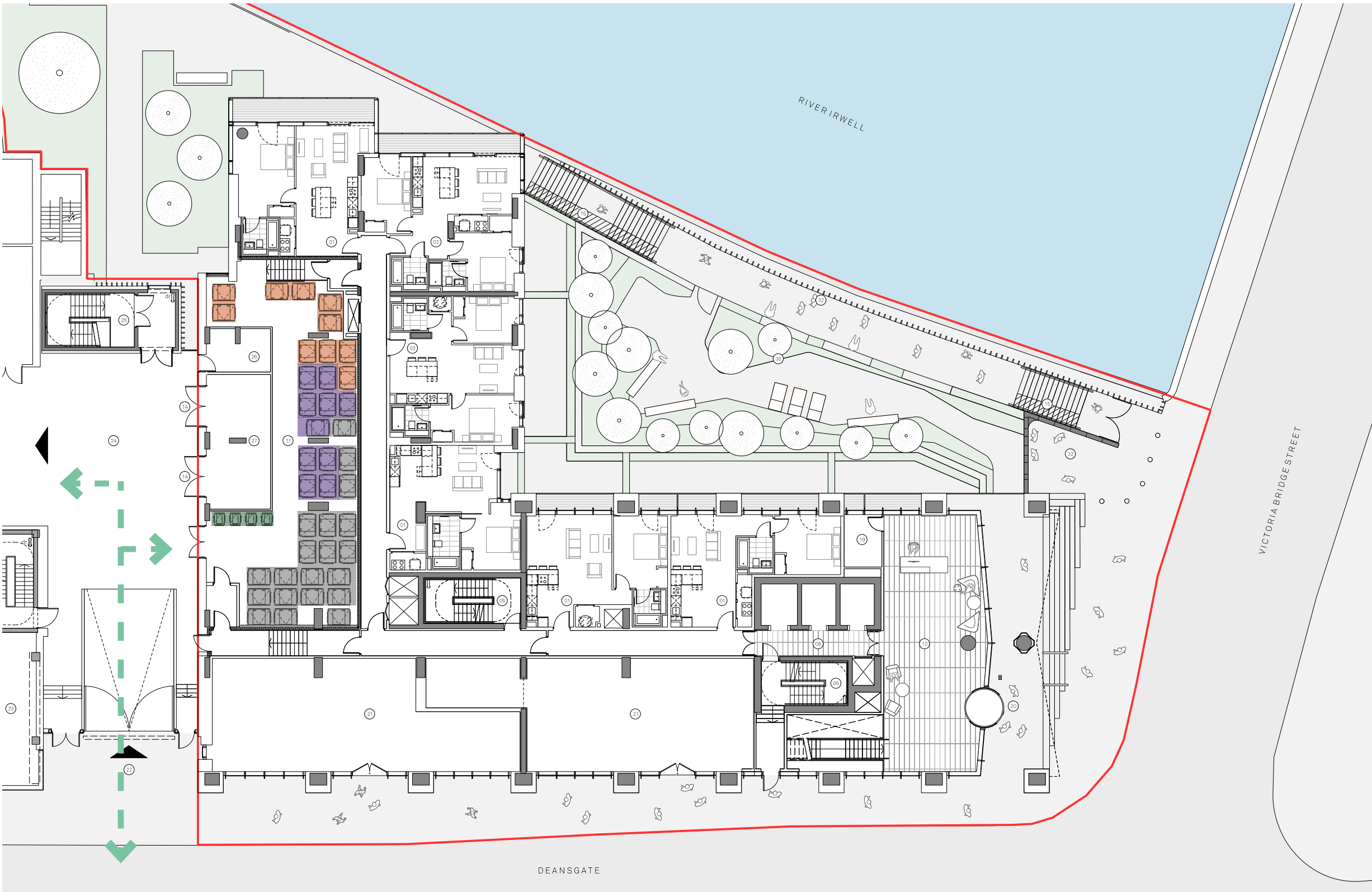
- General Refuse = 49%
= 21,732L = 20 x 1100L bins
- Pulpable = 24.5%
= 10,866L = 10 x 1100L bins
- Co-mingled = 24.5%
= 10,866L = 10 x 1100L bins
- Organic = 2% = 887L = 4 x 240L

The waste will be collected via the existing service yard.

Key

- General Waste Bin
- Pulpable Refuse Bin
- Co-mingled Refuse Bin
- Organic Waste

← —
Refuse Collection Access

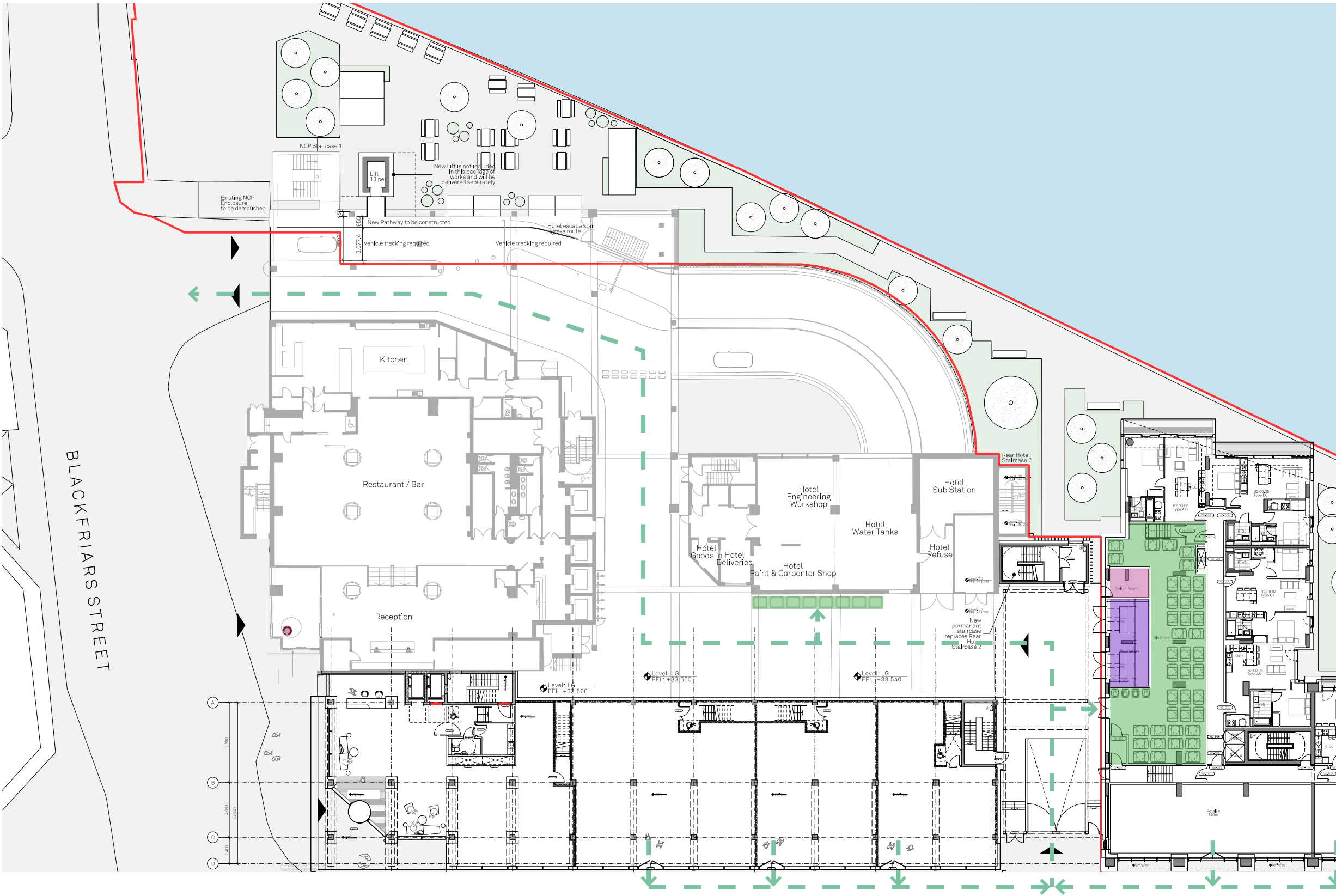


2.2 Commercial Waste

The commercial waste would be located within the Service Yard (as it was in the existing condition pre demo). Based on GD04 retail provision this will require 1000 litre storage. Please note that to ensure separation between retail and residential demises, commercial waste would need to be taken out from the front door and back in through the Service Yard gate.

Key

- Refuse
- Substation
- Switch room
- Service Access



Simple, elegant design.