

# Waste Management Plan

43 - 41 Forbes St  
Liverpool

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## 1.0 GENERAL

### 1.1 General

This document comprises a Waste Management Plan for the proposed development at 43-41 Forbes St Liverpool. It describes 3 stages of waste development - Construction, and Operation - and the management of waste in each case. This report should be read in conjunction with the associated Development Application drawings & consultant reports.

### 1.2 Description of development

The subject site is located within the Liverpool Municipal Council local government area.

The proposed development is a mixed use. It is a 8 storey building consisting of 45 apartments & 4 Commercial suite and 2 basement levels of car parking for 55 vehicles.

The apartments are all connected to the ground floor level via a central lift core servicing no more than 6 apartments on each floor.

## 2.0 CONSTRUCTION WASTE

### 2.1 General

The proposal has been designed to minimise the amount of waste generated during construction. The Construction Management Plan will be implemented to ensure only the standard amount of waste is generated throughout construction.

Table B below outlines the estimated volume of waste products generated during construction.

**TABLE B - CONSTRUCTION WASTE ESTIMATIONS**

Material Type	Estimated Volume	Recycled on-site	Recycled off-site	Disposed off site
Excavation/Earth	6,564.00m <sup>3</sup>	1m <sup>3</sup>	N/A	
Bricks/Masonry	15m <sup>3</sup>		N/A	
Concrete	15m <sup>3</sup>		N/A	
Timber	7.5m <sup>3</sup>		N/A	
Plasterboard	24m <sup>3</sup>		N/A	
Metals [mixed]	36m <sup>3</sup>		N/A	
Green Waste	2m <sup>3</sup>		N/A	
Paper/cardboard	5m <sup>3</sup>		N/A	

### 3.0 OPERATIONAL WASTE

#### 3.1 General

The proposed development comprises a clear & efficient operational waste management system, ensuring ease of usability to the residents, and adherence to the Liverpool Municipal Council's Waste Management guidelines outlined in the Fact Sheet provided.

The applicant also consulted with Liverpool Municipal Council through phone conversations for specific advice relating to the development proposal; and the proposal has been designed with these considerations in mind.

Bin calculations were considered with are also shown on Title Page of the Architectural development application plans.

#### 3.2 Description of waste storage areas

The Bin room for residents of the proposal is accessed directly from Powell St, and has been located to assist with an easy transition for collection. The following waste bins are provided:

12 x 660L bins for general rubbish waste  
12 x 660L bins for Recycled Waste

Total: 24 waste bins

The waste storage area is to contain a tap and hose and the floor is to be graded and drained to the sewer. Ventilation is to be provided through mechanical ducting as per mechanical engineer's design; and located as indicated on Architecturals indicitavely. The garbage room will be fitted with locks to prevent theft and vandalism of waste equipment. The residents and the building management will be supplied with a key to the garbage rooms. For easy access and orientation, the garbage areas will be clearly signposted.

### 3.3 Waste generation

The following bins per unit rates are taken from the Liverpool Council Check List (refer also architectural Dwg A-170-00.):

#### General waste

1 bin per 12 units = 4x 660L

Total: 4 bins

#### Recycled Waste

1 bin per 12 units = 4 x 660L

Total: 4 bins

Total bin calculations are as follows:

4 x 660L bins for general waste

4 x 660L bins for Recycled Waste

Total: 8 bins

### 3.4 Waste management strategy

The residents in the apartments will utilize the garbage Chute(Located on every floor) room for all general garbage. And will utilize the Garbage room in basement 01(Figure 02) to dispose of the recyclable waste. The building manager will then be responsible for taking both the garbage and recycling bins out to The collection point (located close by the driveway entrance) for on-site collection and to return the bins to the garbage room after they have been emptied. Refer To Architectural Dwg A-170-00.

The on-site collection is to be incorporated into Council's existing twice weekly collection operations.

The garbage room will be fitted with locks to prevent theft and vandalism of waste equipment. The residents and the building management will be supplied with a key to the garbage rooms. For easy access and orientation, the garbage areas will be clearly signposted.

Refer Figures 1 and 2 below for diagrams outlining building manager's operations and bin paths of travel.

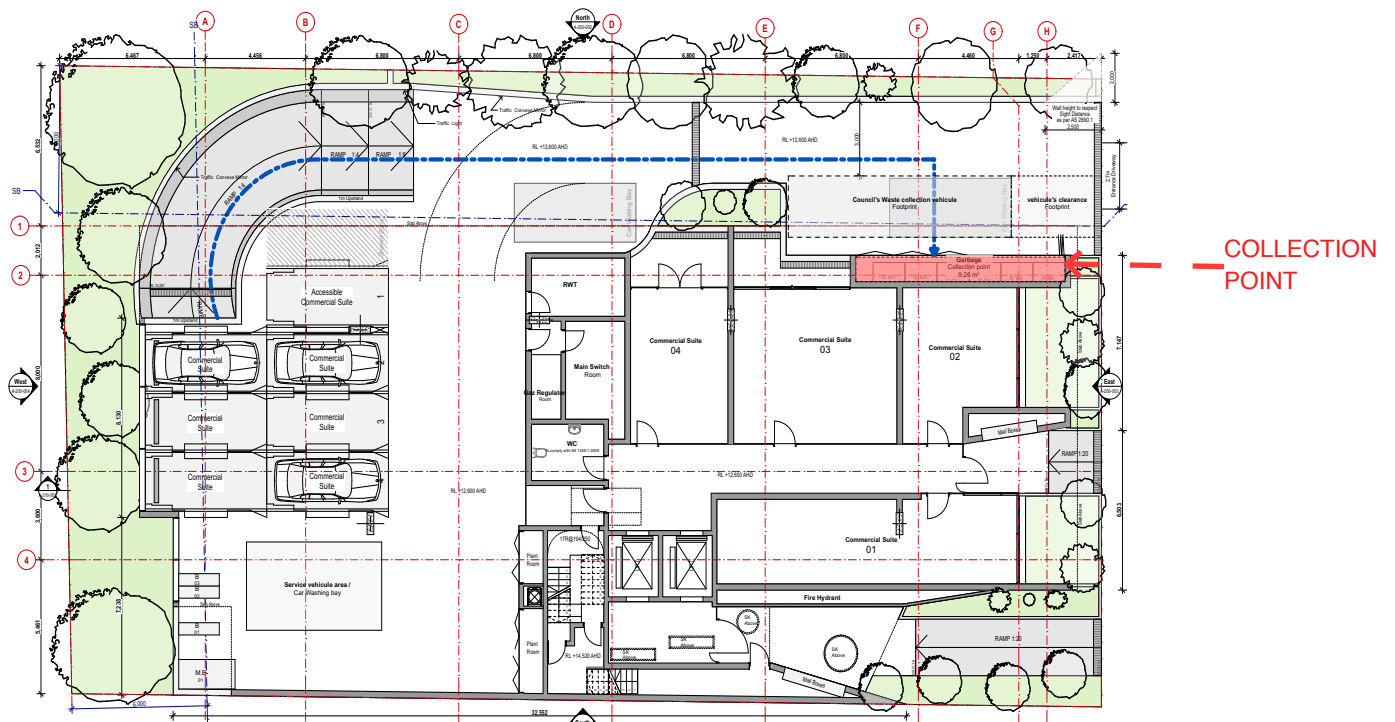


FIG. 1 - Garbage Facilities - Ground Floor

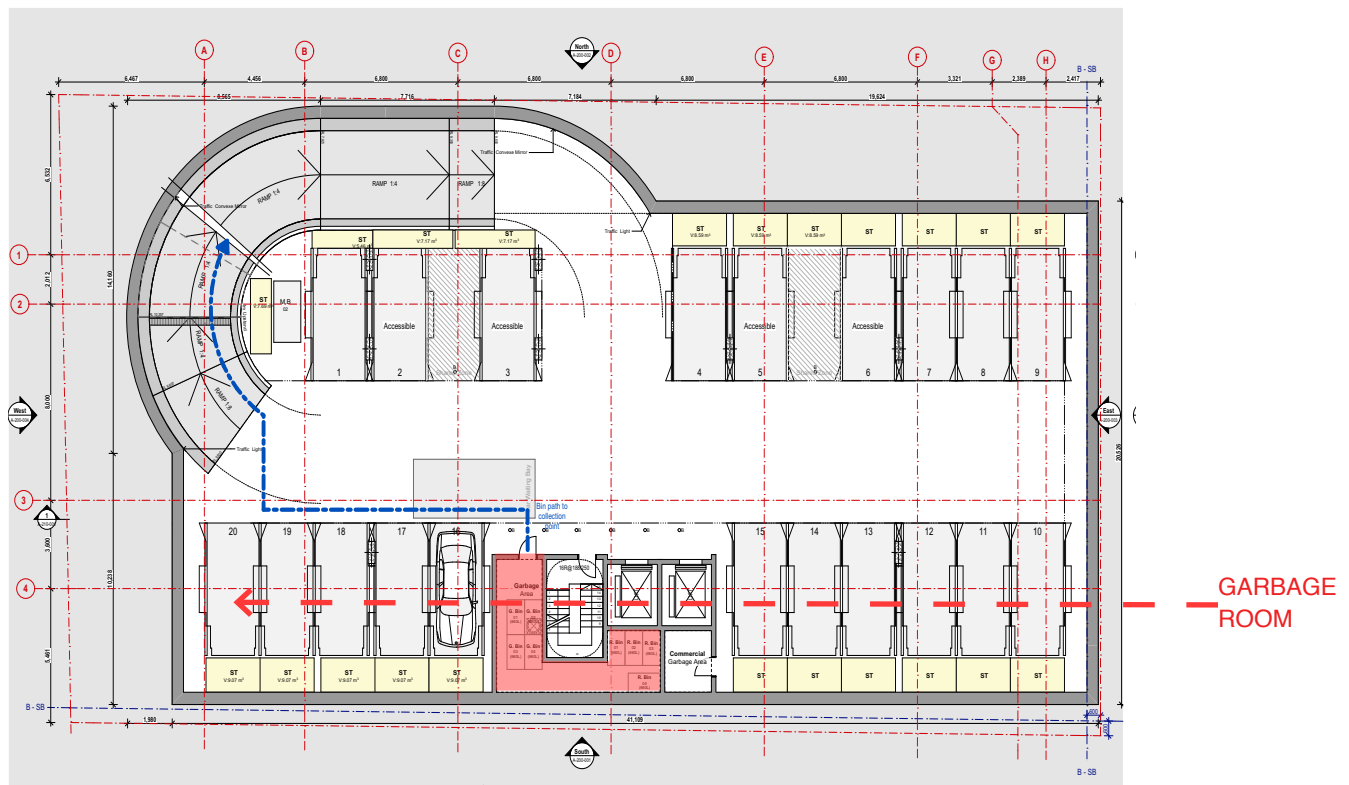


FIG. 2 - Garbage Facilities - Basement 01