



FELLOWS
ENVIRONMENTAL
waste | energy | resource management

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1. FELLOWS ENVIRONMENTAL DETAILS

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Document Reference:	FE167/002/NF
Document written by: Nick Fellows, Director	
Date:	June 2020

2. INTRODUCTION

This waste management strategy is for the proposed change of use and proposed development at 464 Wilbraham Road, Manchester, M21 9AR. The unit is currently vacant and has been for many months now. The proposal is to change the use of the corner unit only from Bank (A2 use) to A3 Restaurant use. In the previous waste management strategy FE167/001/NF Unit 2 and 3 were identified as requiring one 1,100litre wheeled bin each. Therefore this strategy will include these bins to be stored within the external bin storage area plus the requirement of the new restaurant use (unit 1 in the previous strategy).

3. WASTE MANAGEMENT STRATEGY

3.1 Estimated volumes and types of waste

The restaurant will have a residual and a food waste bin. The volume of waste required has been calculated in accordance with GD 04 – Waste Storage and Collection guidance for New Developments Appendix C. Using this document the storage required is 3,300 litres.

GD 04 is based on the ADEPT, Making Space for Waste document which Fellows Environmental (FE) have used to calculate a storage capacity from table 4.1 - Typical Provision for Waste Storage Capacity in Commercial Developments. This suggests 1,000 litres of storage for every 1,000m² of gross floor space. The restaurant gross floor space is 245m² therefore 2,450 litres of capacity is required.

Both of these metrics do not consider collection frequency but assign a suggested capacity requirement. To better understand the capacity requirement for a weekly collection FE has used WRAP data from the Restaurants: Taking Action on Waste (Nov 2018) datasheet. This provides a total waste figure for the UK of 915,000 tonnes of waste of which 199,100 tonnes is food waste. FE used this data in combination with ONS data for the number of restaurants in the UK (2015 data) which was 93,285. This means that the average restaurant generates 7.68 tonnes of residual waste and 2.13 tonnes of food waste a year. Using WRAP bulk density calculations (233kg/m³ for residual waste and 500kg/m³ for food waste) this means 634 litres of residual capacity and 82 litres of food waste capacity required per week for an average restaurant. The 245m² 44 seat capacity for this plan is considered close to an average restaurant if not below average.

On the basis of the evidence provided FE suggest the following capacity:

Table 1: Number of bins required.

Waste Type	Number of bins	Capacity	Collection frequency
Residual Waste	1	1100 litre	Weekly or more
Mixed Dry Recycling	1	1100 litre	Weekly or more
Food Waste	1	140 litre	Weekly or more

This would provide adequate space for over 3 times the residual volume (combining the residual and mixed dry recycling volumes) calculated and required therefore provide more than adequate capacity. The total volume of storage capacity is 2,340litres, in line with the ADEPT document.

3.2 Internal Stores

A food waste, mixed dry recycling and residual bin will be located in the kitchen / prep area, a general bin in WC, stores and located behind the serving counter in the restaurant area.

3.3 Storage Areas for Waste Containers

3.3.1 External Stores

Drawing (05)001 PL3 shows the proposed location of the bin storage area, which is easily accessible. The bin store will be secured behind fencing and a locked gate. The walkway within the store is over 1.3m wide and each bin can be accessed individually. The container sizes are in line with GD 04 – Waste Storage and Collection guidance for New Developments Appendix A.

- 1,110 litre containers are shown as 1,575mm x 1,190mm in line with the floor space required
- 140 litre container shown as 680mm x 750mm. No floor space requirement is included in Appendix A but 200mm is added to the dimensions of the other container dimensions so FE have applied 200mm to the standard container dimensions to calculate the floor space required.

Two of the 1,100 litre wheeled bins shown on the plan are for the other businesses, therefore the total number of bins shown is four 1,100 containers (one for residual and one for mixed dry recycling) and one 140l container for food waste.

3.4 Ventilation, Hygiene and Cleaning Proposals

The storage is open to the air and therefore no ventilation is required. The bins will be cleaned as required.

3.5 Location of Proposed Collection Point and Collection Vehicle route

The appointed waste contractor will collect the bins from the collection point which is the bin storage area. The bins will be returned to the secured bin store after emptying by the waste contractor. The collection point is located on Barlow Moor Road. The waste collection vehicle will travel along Barlow Moor Road to collect the bins.

