




# Waste Management Plan

91-93 Canning Highway, East Fremantle

Prepared for Blue Unlimited Pty Ltd c/- RAD Architecture

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## Executive Summary

Blue Unlimited Pty Ltd is seeking development approval for the proposed residential townhouse development located at 91-93 Canning Highway, East Fremantle (the Proposal).

To satisfy the conditions of the development application the Town of East Fremantle (the Town) requires the submission of a Waste Management Plan (WMP) that will identify how waste is to be stored and collected from the Proposal. Talis Consultants has been engaged to prepare this WMP to satisfy the Town's requirements.

A summary of the bin size, numbers, collection frequency and collection method is provided in the below table.

### Proposed Waste Collection Summary

Waste Type	Bin Size (L)	Number of Bins	Collection Frequency	Collection
<b>Individual Bin Storage Area</b>				
Refuse	140	One	Fortnightly	Town of East Fremantle
Recycling	240	One	Fortnightly	Town of East Fremantle
FOGO	240	One	Once each week	Town of East Fremantle

*Note: Each townhouse will have a 140L refuse bin, a 240L recycling bin and a 240L FOGO bin stored within their individual front yards.*

The Town will collect refuse, recyclables and FOGO from the Proposal utilising its kerbside collection service. The Town's waste collection vehicle will service the bins from the verge of St Peters Road.

Residents will oversee the relevant aspects of waste management at the Proposal.

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## 1 Introduction

Blue Unlimited Pty Ltd is seeking development approval for the proposed residential townhouse development located at 91-93 Canning Highway, East Fremantle (the Proposal).

To satisfy the conditions of the development application the Town of East Fremantle (the Town) requires the submission of a Waste Management Plan (WMP) that will identify how waste is to be stored and collected from the Proposal. Talis Consultants has been engaged to prepare this WMP to satisfy the Town's requirements.

The Proposal is bordered by Canning Highway to the north, reserve/Stirling Highway to the east, St Peters Road to the south and Sewell Street to the west, as shown in Figure 1.

### 1.1 Objectives and Scope

The objective of this WMP is to outline the equipment and procedures that will be adopted to manage waste (refuse, recyclables and FOGO) at the Proposal. Specifically, the WMP demonstrates that the Proposal is designed to:

- Adequately cater for the anticipated volume of waste to be generated;
- Provide adequate bin storage for the appropriate bins; and
- Allow for efficient collection of bins by appropriate waste collection vehicles.

To achieve the objective, the scope of the WMP comprises:

- Section 2: Waste Storage;
- Section 3: Waste Collection;
- Section 4: Waste Management; and
- Section 5: Conclusion.

## 2 Waste Storage

Waste materials generated within the Proposal will be collected in the bins located within each townhouse, as shown in Diagram 1, and discussed in the following sub-sections.

### 2.1 Proposed Tenancies

The anticipated volume of refuse, recyclables and FOGO is based on the number of residential townhouses at the Proposal – 9.

Each townhouse will have adequate space to store one 140L refuse bin, one 240L recycling bin and one 240L FOGO bin stored within their individual front yards.

### 2.2 Internal Transfer of Waste

To promote positive recycling behaviour and maximise diversion from landfill, internal bins will be available throughout the Proposal for the source separation of refuse, recycling and FOGO.

The townhouses will have room to accommodate two under the counter/kitchen bins for the source separation of refuse and recycling and a kitchen caddy for the separation of FOGO. The residents will then take the contents of these internal bins to their individual Bin Storage Area for consolidation into the appropriate bins.

All bins will be colour coded and labelled in accordance with Australian Standards (AS 4123.7) to assist residents to dispose of their separate waste materials in the correct bins.

### 2.3 Bin Sizes

Table 2-1 gives the typical dimensions of standard bins sizes that may be utilised at the Proposal. It should be noted that these bin dimensions are approximate and can vary slightly between suppliers.

**Table 2-1: Typical Bin Dimensions**

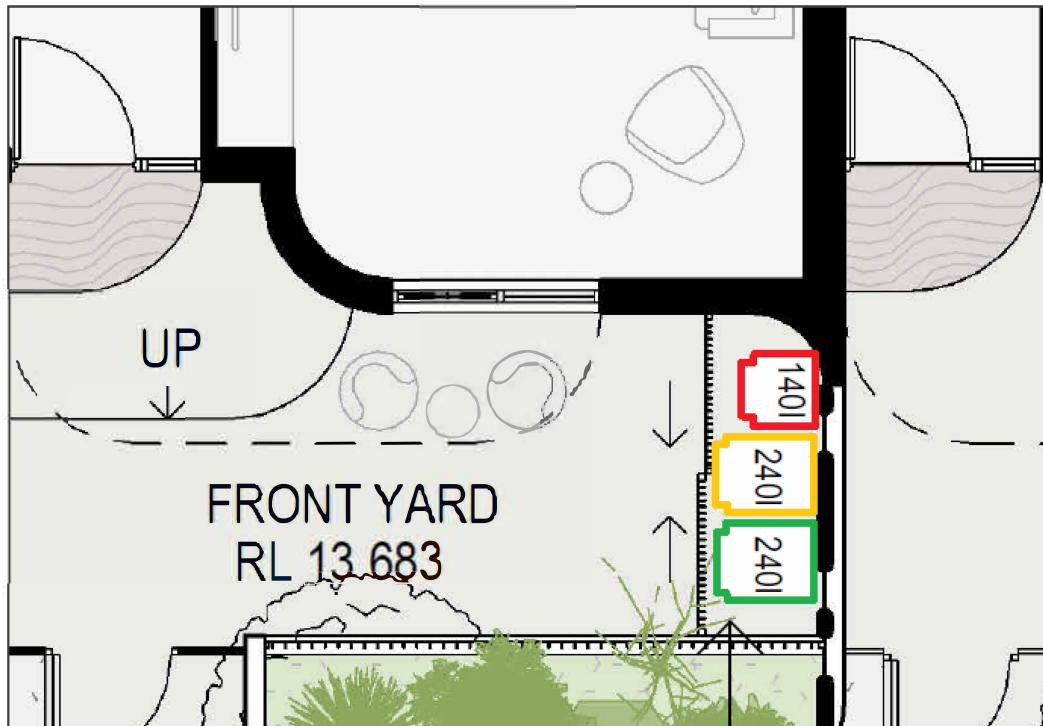
Dimensions (m)	Bin Sizes	
	140L	240L
Depth	0.615	0.730
Width	0.535	0.585
Height	0.915	1.060

Reference: *SULO Bin Specification Data Sheets*

### 2.4 Individual Bin Storage Area Size

Each townhouse will have one 140L refuse bin, one 240L recycling bin and one 240L FOGO bin stored within their individual front yards, refer Diagram 1. Each unit will have FOGO collected once each week and refuse and recyclables collected on alternating fortnights.

Diagram 1: Example Bin Storage Area



### 3 Waste Collection

The Town will service the Proposal and provide each townhouse with one 140L refuse bin, one 240L recycling bin and one 240L FOGO bin.

The Town will collect FOGO once each week and refuse and recyclables on alternating fortnights from the verge of St Peters Road utilising its side arm waste collection vehicle, refer Diagram 2

Bins will be presented for collection with wheels and handles facing away from the street. The bins will remain clear of obstructions such as power poles, signs and street trees, and will be placed so as not to obstruct pedestrians or bike lanes. Bins will be lined up neatly and in a single row along the verge, with sufficient space between each bin to facilitate collection by the Town's side arm waste collection vehicle.

Residents will ferry their bins to and from their Bin Presentation Area on collection days. The travel path between Bin Storage Areas and Bin Presentation Areas will be of flat surface and kept free of obstacles. Residents will return their bins to their townhouses as soon as possible on the same day following collection.

Diagram 2: Example Bin Presentation Area



#### 3.1 Bulk and Green Waste

To assist with the reduction of illegal dumping of bulk wastes, each townhouse has an allocated storage room of at least 2.5m x 4.0m which could be used for the temporary storage of bulk waste.

The Town offers residents one Bulk & White/Metal Goods and one Bulk Green Waste collection each year. Bulk waste and green waste presentation and collection will be monitored and coordinated by the strata manager, who will liaise with residents on appropriate procedures, as required.

## 4 Waste Management

Residents will complete the following tasks:

- Monitoring and maintenance of bins within their individual townhouse Bin Storage Areas;
- Cleaning of bins and their Bin Storage Area, when required;
- Ferrying of bins to and from their Bin Storage Area and the verge on collection days;
- Monitor bulk general and green waste accumulation and liaise with the strata manager and the Town, as required; and
- Regularly engage with the Town to ensure efficient and effective waste service is maintained.

## 5 Conclusion

As demonstrated within this WMP, the Proposal provides sufficiently sized Bin Storage Areas within each townhouse for the storage of refuse, recyclables and FOGO, based on the estimated waste generation volumes and suitable configuration of bins. This indicates that adequately designed Bin Storage Areas have been provided, and collection of refuse, recyclables and FOGO can be completed from the Proposal.

The above is achieved using (for each individual townhouses):

- One 140L refuse bin, collected fortnightly;
- One 240L recycling bin, collected fortnightly; and
- One 240L FOGO bin, collected once each week.

The Town will collect refuse, recyclables and FOGO from the Proposal utilising its kerbside collection service. The Town's waste collection vehicle will service the bins from the verge of St Peters Road.

Residents will oversee the relevant aspects of waste management at the Proposal.

## Figures

Figure 1: Locality Plan





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