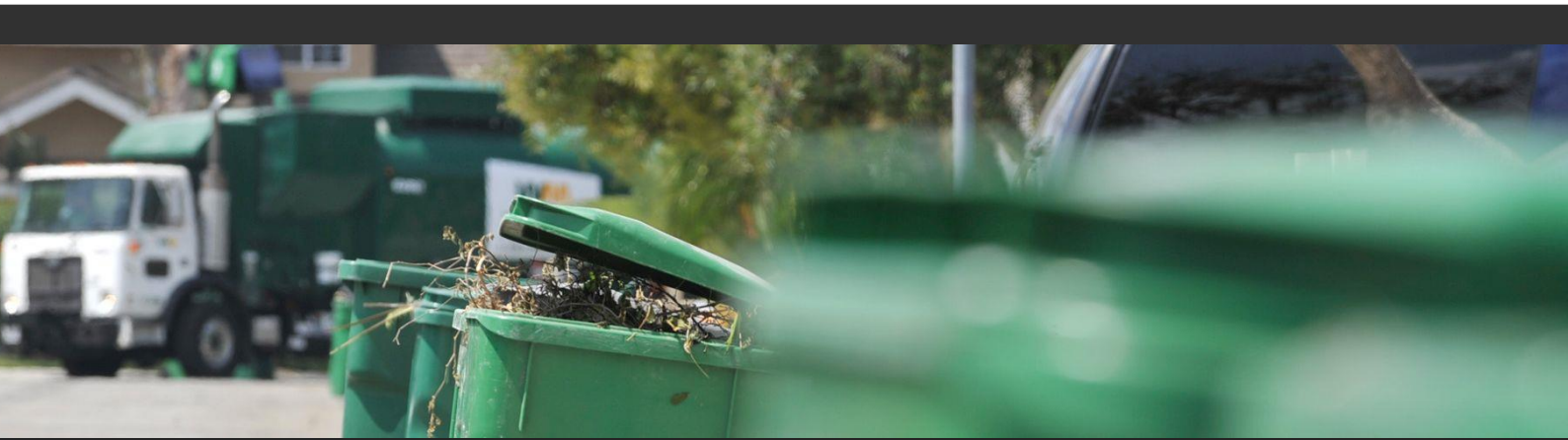


# ***35-39 Regent Street, Mount Waverley***

## Waste Management Plan



15449WMP001D-F.docx

10 August 2016

## onemilegrid

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### DOCUMENT INFORMATION

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<b>Signature</b>		<b>Signature</b>	

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# 1 INTRODUCTION

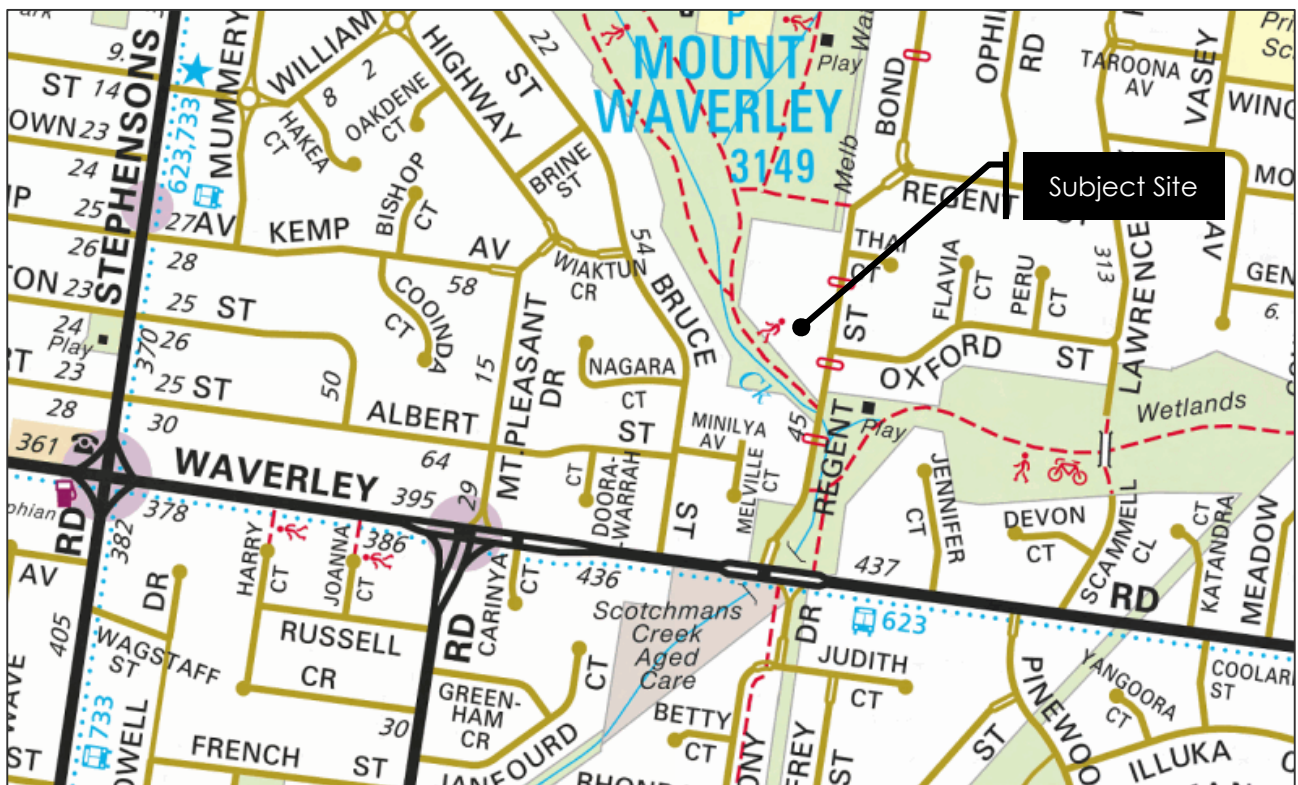
onemilegrid has been requested by Godfrey Spowers Pty Ltd to prepare a Waste Management Plan for the proposed aged care development at 35-39 Regent Street, Mount Waverley.

The preparation of this management plan has been undertaken with due consideration of the Sustainability Victoria Best Practice Guidelines for Waste Management in Multi-Unit development and relevant Council documentation.

# 2 EXISTING SITE CONDITIONS

The subject site is located on the western side of Regent Street between Oxford Street and Thai Court, as shown in Figure 1. The site is irregular in shape with a frontage to Regent Street of approximately 65 metres along the eastern boundary and a depth of approximately 100 metres along its northern boundary and approximately 52 metres along its southern boundary.

**Figure 1 Site Location**



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The site is currently occupied by two residential dwellings with each provided a single crossover connecting to Regent Street.

Land use in the vicinity of the site is mixed with residential and public park and recreation.

### 3 DEVELOPMENT PROPOSAL

#### 3.1 General

Based on the plans prepared by Spowers, it is proposed to demolish the existing buildings on-site and construct an aged-care facility accommodating 126 lodging rooms.

Two accesses will service the site from Regent Street.

The site's primary access will be a two-way crossover located adjacent to the southern boundary providing access to a porte-cochere and pick-up/drop-off area and an undercroft parking area (lower car park) accommodating staff parking, waste collection, and loading activity.

A second crossover at the northern end of the site will provide access into a visitor car parking area (upper car park).

A total of 38 car parking spaces are to be provided for the use, inclusive of 18 car spaces (one of which is accessible) within the lower car park, 19 spaces within the upper car park and one short-term drop off space adjacent to the building entrance.

#### 3.2 Waste Management

It is proposed to engage a private waste contractor to manage the collection and disposal of all waste streams associated with the development.

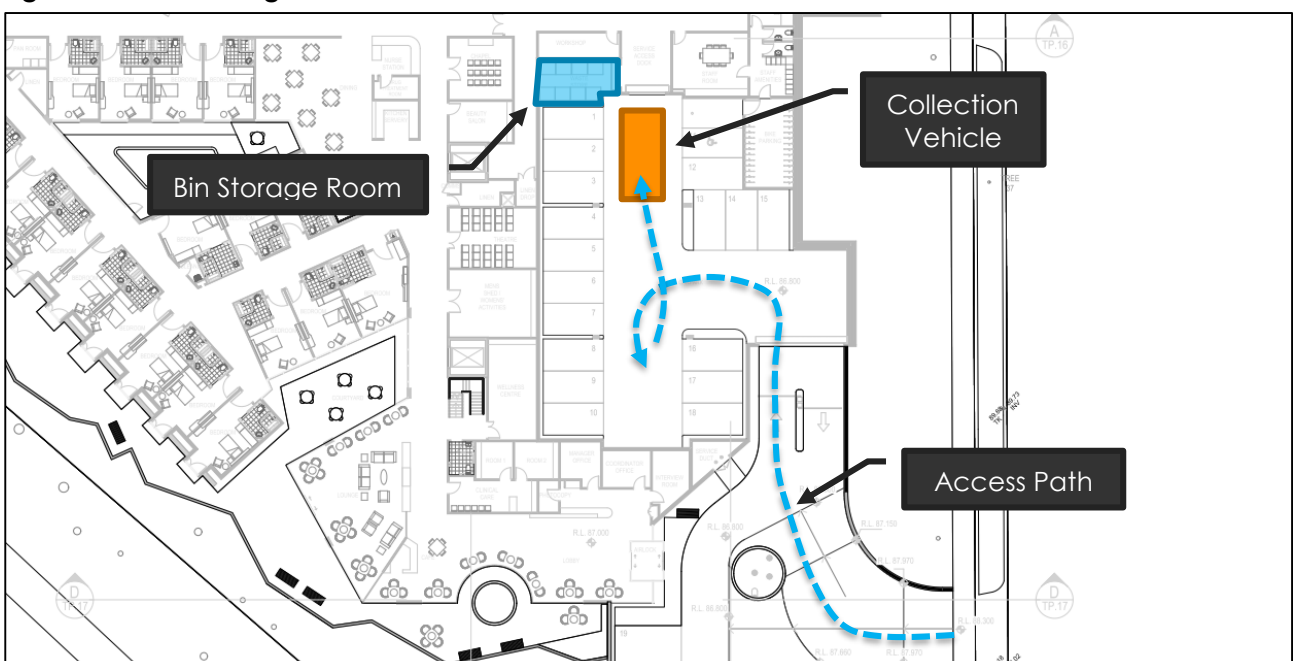
Waste will be collected on-site, with collection occurring within the lower parking level in a service access dock. Waste vehicles will enter and exit the site in a forwards direction.

Staff on the site will be responsible for disposing of bagged garbage or recyclables into the appropriate bins located within the storage enclosure.

Cytotoxic and clinical waste (medical, infectious, sharps, chemical, pharmaceutical, radioactive, etc.) shall be managed in accordance with the Industry Code of Practice for the Management of Clinical and Related Wastes (6th edition, 2010).

The collection location and expected transfer route is shown in Figure 2.

**Figure 2 Bin Storage Room and Collection Details**



## 4 WASTE GENERATION

### 4.1 Adopted Waste Generation Rates

Based on the information provided by the operator, and our experience with similar facilities, the following waste rates have been adopted.

**Table 1 Waste Generation Rates**

<i>Waste Stream</i>	<i>Rate / bed / week</i>
Garbage	50 litres
Commingled Recycling	15 litres
Cardboard	15 litres
Clinical Waste	1 litre
Cytotoxic Waste	1 litre
Secure Documents	0.5 litres

### 4.2 Expected Waste Generation

Based on the above, the following weekly waste generation is expected.

**Table 2 Expected Waste Generation – Aged Care**

<i>Component – Stream</i>	<i>No of beds</i>	<i>Rate/Bed</i>	<i>Total Waste / Week</i>
Garbage	126 beds	50 litres	6,300 litres
Commingled Recycling		15 litres	1,890 litres
Cardboard		15 litres	1,890 litres
Clinical Waste		1 litre	126 litres
Cytotoxic Waste		1 litre	126 litres
Secure Documents		0.5 litres	63 litres

Given the nature of the proposed development, it is expected that any maintenance and gardening undertaken will be managed by a contractor appointed by the operator. The appointed contractor will be responsible for the disposal of any green waste accumulated during the course of their duties.



## 5 BIN REQUIREMENTS

### 5.1 Bin Provision and Specifications

Garbage, commingled recycling and cardboard recycling waste streams will be stored within 1,100 litre bins. Both streams will be collected on a twice-weekly basis.

The cytotoxic and clinical waste streams will be stored within 240 litre bins, and secure documents stored within 120 litre bins and will be collected once per week.

Consequently, the following bins will be required for the proposed development.

**Table 3 Bin Provision**

<b>Component – Stream</b>	<b>Total Waste / Week</b>	<b>Bin Size</b>	<b>Collection Frequency</b>	<b>Bins Required</b>
Garbage	6,300 litres	1,100 litre	2x Weekly	3 bins
Commingled Recycling	1,890 litres	1,100 litre	2x Weekly	2 bins
Cardboard	1,890 litres	1,100 litre	2x Weekly	2 bins
Clinical Waste	126 litres	240 litre	Weekly	1 bin
Cytotoxic Waste	126 litres	240 litre	Weekly	1 bin
Secure Documents	63 litres	120 litre	Weekly	1 bin
<b>Total</b>				<b>10 bins</b>

**Table 4 Bin Specifications**

<b>Waste Stream</b>	<b>Size</b>	<b>Dimensions</b>			<b>Description</b>
		<b>Width</b>	<b>Depth</b>	<b>Height</b>	
Garbage	1,100 L	1.24	1.07	1.33	Green lid and body
Commingled Recycling	1,100 L	1.24	1.07	1.33	Blue lid and black body
Cardboard	1,100 L	1.24	1.07	1.33	Blue lid and black body
Clinical Waste	240 L	0.57	0.74	1.07	Yellow lid and body
Cytotoxic Waste	240 L	0.57	0.74	1.07	Purple lid and body
Secure Documents	120 L	0.48	0.56	0.93	Red lid and blue body

### 5.2 Bin Storage

As indicated in Figure 2, it is proposed to provide a bin storage area on the lower level of the development measuring approximately 6.5 metres width and 3.3 metres depth.

The proposed bin storage room is therefore appropriately sized to accommodate the provision of bins in accordance with the above requirements.

The bin storage room should be vermin proof, and have appropriate lighting and drainage.

### 5.3 Bin Cleaning

The operator shall ensure that the bins are kept in a clean state, to minimise odours and to discourage vermin. This may include regular cleaning by a third party, or maintenance by the appointed contractors.

## 6 WASTE MANAGEMENT

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### 6.1 Best Practice Waste Management

Best Practice Waste Management is an initiative designed to reduce the amount of waste generated through encouraging a change of behaviour and action on waste management and moreover recycling.

The benefits of reducing waste generation are far reaching and has been identified as significantly important by Council and the Victorian Government.

The Victorian Waste and Resource Recovery Policy "Getting Full Value" has been prepared by the Victorian Government, and "sets out a position and an approach that will position Victoria as a national leader in resource recovery".

One of the primary goals of the policy is to "Assist Victorians to reduce the waste they generate and save Victorians money through efficient use of resources", for which the following strategic directions are listed:

- Support commercial, not-for-profit and Victorian public sector organisations to achieve financial savings through waste reduction;
- Provide households with the information and support they need to reduce waste by using household goods more efficiently;
- Continue to work in partnership with the Commonwealth Government through the National Waste Policy: Less Waste, More Resources, and take a lead role in national strategies that harness Victoria's strengths and capabilities

This policy builds on the Towards Zero Waste strategy, which was launched in 2005.

The operator shall encourage staff and residents to participate in minimising and reducing solid waste production by:

- Promoting the Getting Full Value Strategy and the Municipalities Waste Management Strategy, including the use of The Waste Hierarchy, which in order of preference seeks to:
  - ✦ Avoid waste generation in the first place;
  - ✦ Increase the reuse and recycling of waste when it is generated; and
  - ✦ Recover, treat or contain waste preferentially to;
  - ✦ Its disposal in Land Fill (which is least desirable).
- Providing information detailing recyclable materials to ensure that non-recyclable materials do not contaminate recycling collections;
- Providing information regarding safe chemical waste disposal methods and solutions, including correct battery and electronics disposal methods;
- Encouraging composting; and
- Providing tips for recycling and reusing waste, including encouraging the disposal of reusable items in good condition via donations to Opportunity Shops and Charities.

### 6.2 Bin Usage

Staff will bag and dispose of waste in the provided bins, located in the bin storage area. Cardboard boxes should be flattened and containers rinsed and cleaned prior to disposal.



### **6.3 Signage**

To avoid contamination between garbage streams, bin lids will be colour coded generally in accordance with Council standards and the Code of Practice for the Management of Clinical and Related Wastes, to ensure the bin type is easily distinguishable. Furthermore, bins should include typical signage (preferably on the bin lid) to reinforce the appropriate materials to be deposited in each bin.

### **6.4 Staff Information**

To ensure all staff are aware of their responsibilities with regard to waste and bin management, an information package should be provided, including the following information:

- A copy of this Waste Management Plan;
- Methods and techniques for waste reduction and minimisation;
- Information regarding bin collection days and requirements;
- Staff responsibilities with regard to bin usage, storage, and collection; and
- Staff responsibilities with regard to litter and waste removal.

## **7 OCCUPATIONAL HEALTH & SAFETY RESPONSIBILITIES**

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The site operator shall ensure compliance to all relevant OH&S regulations and legislation, including the following:

- Worksafe Victoria Guidelines for Non-Hazardous Waste and Recyclable Materials
- Code of Practice for the Management of Clinical and Related Wastes

## 8 CONTACT INFORMATION

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### 8.1 Council

Monash City Council

Phone: (03) 9518 3555

Web: [www.monash.vic.gov.au/](http://www.monash.vic.gov.au/)

### 8.2 Contractors

Cleanaway medi-waste (clinical waste contractor)d

Services: Private contractor

Phone: 131 339

Web: [www.transpacific.com.au/content/transpacific-cleanaway.aspx](http://www.transpacific.com.au/content/transpacific-cleanaway.aspx)

Stericorp Limited (clinical waste contractor)

Services: Private contractor

Phone: 1300 66 77 87

Web: <http://www.sterihealth.com.au/>

### 8.3 Equipment

Eco-Safe Technologies (odour control equipment)

Phone: 0411 335 753

Web: [www.eco-safe.com.au](http://www.eco-safe.com.au)

Email: [info@eco-safe.com.au](mailto:info@eco-safe.com.au)

### 8.4 Others

Sustainability Victoria

Services: Sustainable Waste Management initiatives and information

Phone: 1300 363 744 (Energy, Waste and Recycling)

Web: [www.sustainability.vic.gov.au](http://www.sustainability.vic.gov.au)

Email: [info@sustainability.vic.gov.au](mailto:info@sustainability.vic.gov.au)