

Design for a better *future /*

wsp

JUNE 2024

28 HOPE STREET, GLEN IRIS
WASTE MANAGEMENT PLAN

ADVERTISED
PLAN

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright



Question today Imagine tomorrow Create for the future


28 HOPE STREET, GLEN IRIS Draft Waste Management Plan

WSP

Level 11, 567 Collins St
Melbourne VIC 3000

Tel: +61 3 9861 1111
Fax: +61 3 9861 1144
wsp.com

REV	DATE	DETAILS
A	28/11/2023	Draft Waste Management Plan
B	06/06/2024	Waste Management Plan

	NAME	DATE	SIGNATURE
Prepared by:	Maria Madsen	06/06/2024	
Reviewed by:	Laurence Gamble	06/06/2024	
Approved by:	Laurence Gamble	06/06/2024	

This document may contain confidential and legally privileged information, neither of which are intended to be waived, and must be used only for its intended purpose. Any unauthorised copying, dissemination or use in any form or by any means other than by the addressee, is strictly prohibited. If you have received this document in error or by any means other than as authorised addressee, please notify us immediately and we will arrange for its return to us.



TABLE OF CONTENTS

1	SUMMARY.....	1
2	INTRODUCTION.....	2
2.1	LAND USE	2
3	WASTE MANAGEMENT PLAN.....	3
3.1	WASTE GENERATION.....	3
3.2	WASTE SYSTEMS	3
3.2.1	GARBAGE, COMMINGLED RECYCLING,.....	3
3.2.2	FOOD ORGANICS & GARDEN ORGANICS (FOGO).....	3
3.2.3	FUTURE SERVICE CHANGES: GLASS	4
3.2.4	HARD WASTE	4
3.3	BIN QUANTITY, SIZE AND COLLECTION FREQUENCY	4
3.4	WASTE STORAGE AREA & LOCATION	4
3.5	BIN COLOUR AND SUPPLIER.....	4
3.6	SIGNAGE	5
3.7	WASTE COLLECTION METHODOLOGY	5
3.8	HIGH LEVEL EQUIPMENT SCHEDULE.....	6

List of Figures

FIGURE 1	CITY OF STONNINGTON WASTE SIGNAGE	5
----------	---	---

List of Tables

TABLE 1	WASTE COLLECTION SUMMARY	1
TABLE 2	DEVELOPMENT SUMMARY	2
TABLE 3	WASTE GENERATION RATES	3
TABLE 4	WASTE GENERATION ASSESSMENT	3
TABLE 5	BIN INFORMATION AND CAPACITY PER DWELLING	4
TABLE 6	TYPICAL EQUIPMENT DIMENSIONS.....	4
TABLE 7	WASTE STORAGE REQUIREMENTS	4
TABLE 8	WASTE COLLECTION SUMMARY	5
TABLE 9	EQUIPMENT SUPPLY SCHEDULE.....	6

1 SUMMARY

The below is a summary of the waste management strategy proposed for the subject site. The complete report must be read in detail prior to implementing the waste management plan.

Located at 28 Hope Street, Glen Iris the proposed developed is expected to be a residential apartment development, providing six new apartments comprising of:

- 4x One Bedroom Apartments
- 2x Two Bedroom Apartments

All residents will share bins which will be collected through the standard City of Stonnington collection service as outlined below.

Table 1 Waste Collection Summary

Waste Stream	Equipment	Collection Frequency	Collection Operator
Garbage	3 x 240L Bins	Weekly	City of Stonnington
Recycling	3 x 240L Bins	Fortnightly	City of Stonnington
FOGO	1 x 240L Bins	Fortnightly	City of Stonnington

Collection will be undertaken through Council's standard kerbside collection service. The Council collection vehicle will service the development via Hope Street and will collect bins that are presented to the kerb. Bins are to be collected from the property kerbside of the development via a side lift collection vehicle.

Building management (or a party nominated thereby) will be responsible for transferring bins from the bin storage area to their property kerbside prior to collection and for returning them once emptied. Bins shall only be stored on the kerbside on collection days as outlined by council's guidelines.

All bins will be collected through City of Stonnington's standard kerbside collection service. Bins should be presented in a single file, with a minimum 100mm gap between bins and any other obstructions. Sufficient kerbside frontage is provided for the maximum 3 x 240L garbage bins **and** 3 x 240L recycling bins to be presented for collection.

Bins will not be permanently stored outside the property boundary. Residents are to return bins to the waste enclosure no later than 24 hours after collection, in accordance with City of Stonnington local laws (Clause 901(6)).

Hard waste collections will be undertaken in accordance with City of Stonnington standard collection service.

2 INTRODUCTION

The following Waste Management Plan (WMP) has been prepared for the proposed townhouse development at 28 Hope Street, Glen Iris.

This Waste Management Plan (WMP) and the waste generation rates therein have been prepared based on the requirements of City of Stonnington outlined within *Residential Waste Management Guidelines* (2012) and current best practice waste management methodology and technologies commonly available in Australia.

2.1 LAND USE

Client:	Time & Place
Town Planning Application:	To be allocated
Land Use Type:	Residential (Apartments)
No. Storeys:	3 Stories

Table 2 Development Summary

Dwelling Type	Quantity
One Bedroom Apartment	4 Apartments
Two Bedroom Apartment	2 Apartments

3 WASTE MANAGEMENT PLAN

3.1 WASTE GENERATION

Waste generation rates are shown in Table 3. A waste generation assessment prepared in accordance with these rates is shown in Table 4. Calculations are based on a 7 day per week operation.

Table 3 Waste Generation Rates

Use	Garbage (L/dwelling/week)	Commingled Recycling (L/dwelling/week)	Organics (L/dwelling/week)
One Bedroom Apartment	120	60	15
Two Bedroom Apartment	120	60	15

Table 4 Waste Generation Assessment

Use	Qty.	Garbage (L/week)	Commingled Recycling (L/week)	Organics (L/week)
One Bedroom Apartment	4	480	240	60
Two Bedroom Apartment	2	240	120	30
TOTAL		720	360	90

3.2 WASTE SYSTEMS

Waste shall be sorted on-site by residents as appropriate into the following streams:

- Garbage (General Waste)
- Commingled Recycling
- FOGO (combined food organics & garden organics)
- Hard Waste

3.2.1 GARBAGE, COMMINGLED RECYCLING,

Each apartment shall have provision for household bins for the temporary holding of garbage and commingled recyclables. Residents will transfer garbage and commingled recycling from their dwelling as required to the appropriate waste bins located on the ground floor, as shown in Appendix A.

Garbage is to be disposed of bagged. Commingled recycling is to be disposed of loosely.

3.2.2 FOOD ORGANICS & GARDEN ORGANICS (FOGO)

An additional 240L FOGO bin will be provided for the further separation of organic waste.

Each apartment shall have provision for kitchen organics caddys to have a minimum capacity of 6 litres for the temporary holding of organics (food waste). Kitchen caddys may be lined with biodegradable bags (i.e. corn-starch bags) or paper (i.e. newspaper) if desired. Residents will transfer organics from their caddys directly to the FOGO bins located on the ground floor, as shown in Appendix A.

Food organics and garden organics waste shall be disposed of loosely.

3.2.3 FUTURE SERVICE CHANGES: GLASS

Subject to adoption of separate glass services by City of Stonnington, sufficient area exists within the bin room to incorporate one additional 240L bin as required to adopt the potential future glass service.

Glass bin size and collection frequency is subject to City of Stonnington’s future service offering.

3.2.4 HARD WASTE

City of Stonnington offers two (2) free hard waste collections a year (of up to 5.00m³ per collection) to each residential dwelling. Collections will be arranged through Council’s on-call booking system, with all collections to be undertaken from the development property’s kerbside.

Residents will be responsible for the transfer of their respective hard waste to the kerbside for collection as appropriate.

3.3 BIN QUANTITY, SIZE AND COLLECTION FREQUENCY

Table 5 and Table 6 contains information regarding the townhouse bin quantity, size and frequency of collection.

Table 5 Bin Information and Capacity per dwelling

Bin Information and Capacity				
Waste Stream	Equipment	Collections	Weekly Capacity	Weekly Volume
Garbage	3 x 240L	Weekly	720L	720L
Recycling	3 x 240L	Fortnightly	360L	360L
FOGO	1 x 240L	Fortnightly	120L	90L

Table 6 Typical Equipment Dimensions

Typical Equipment Dimensions (mm)			
Item	Width	Depth	Height
240 Litre	585	730	1060

3.4 WASTE STORAGE AREA & LOCATION

Table 7 demonstrates the cumulative area requirements and provision of waste area for the shared bins.

Table 7 Waste Storage Requirements

Waste Store	Item	Area Required	Area Provided
Waste Room	7 x 240L Bin (Garbage, Commingled Recycling, FOGO)	3.01m ²	11.00m ²
TOTAL		3.01m²	11.00m²

3.5 BIN COLOUR AND SUPPLIER

All bins will be provided by City of Stonnington. City of Stonnington use the following bin colours:

- Garbage (general waste) bins shall have a dark green lid with a dark green body.
- Recycle bins shall have a yellow lid with a blue body.
- Organics bins shall have a lime green lid with a dark green body.

3.6 SIGNAGE

Waste storage areas and bins will be clearly marked and signed with the City of Stonnington waste signage (such as that illustrated in Figure 1 below) or equivalent.

Residents will be instructed by building management to adhere to these requirements.

Figure 1 City of Stonnington Waste Signage



3.7 WASTE COLLECTION METHODOLOGY

Waste collections by City of Stonnington as part of their standard residential collection service as outlined in Table 8.

Table 8 Waste Collection Summary

Waste Stream	Equipment	Collection Frequency	Collection Operator
Garbage	3x 240L Bins	Weekly	City of Stonnington
Recycling	3x 240L Bins	Fortnightly	City of Stonnington
Organics	1x 240L Bin	Fortnightly	City of Stonnington

Collection will be undertaken through Council’s standard kerbside collection service. The Council collection vehicle will service the development via Hope Street and will collect bins that are presented to the kerb. Bins are to be collected from the property kerbside of the development via a side lift collection vehicle.

Building management (or a party nominated thereby) will be responsible for transferring bins from the bin storage area to their property kerbside prior to collection and for returning them once emptied. Bins shall only be stored on the kerbside on collection days as outlined by council’s guidelines.

All bins will be collected through City of Stonnington’s standard kerbside collection service. Bins should be presented in a single file, with a minimum 100mm gap between bins and any other obstructions. Sufficient kerbside frontage is provided for the maximum 3 x 240L garbage bins **and** 3 x 240L recycling bins to be presented for collection.

Bins will not be permanently stored outside the property boundary. Residents are to return bins to the waste enclosure no later than 24 hours after collection, in accordance with City of Stonnington local laws (Clause 901(6)).

Hard waste collections will be undertaken in accordance with City of Stonnington standard collection service.

3.8 HIGH LEVEL EQUIPMENT SCHEDULE

Table 9 lists the waste equipment required for the development under the conditions proposed within this report.

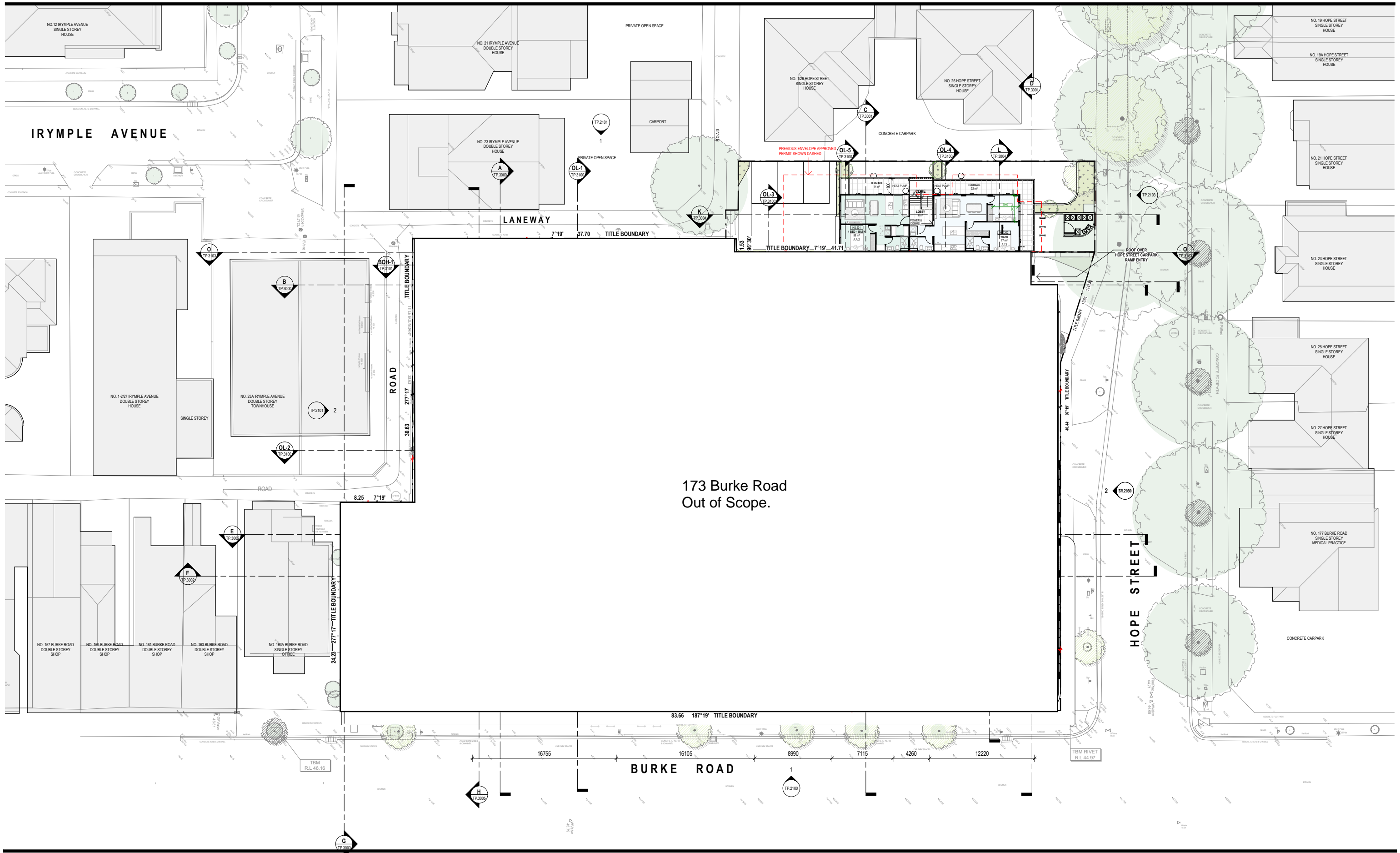
Table 9 Equipment Supply Schedule

Item	Lid Colour	Body Colour	Supplier
3x 240L Garbage Bins	Dark Green	Dark Green	City of Stonnington
3x 240L Recycling Bins	Yellow	Dark Green	City of Stonnington
1x 240L Organics Bin	Light Green	Dark Green	City of Stonnington

APPENDIX A

SCALED WASTE ROOM
DRAWING





173 Burke Road
Out of Scope.

REV DATE	REVISION	BY	CHK
01 01.06.24	ISSUE/REVISE/UPDATE	BD OF	DC

REV DATE	REVISION	BY	CHK

