

16 February 2021

**Re: Sirius Building – waste management capacity clarification**

Foresight Environmental (FE) has been engaged to develop the waste management strategy and the operational waste management plan documentation for the development. The OWMP has been developed in line with the City of Sydney Guidelines for Waste Management in New Developments 2018. The details below confirm that the provisions set out in the OWMP and delivered in the design of the waste storage areas and loading facilities adequately provide for the waste management requirements of the proposed development which includes:

- 76 residential apartments
- 157m<sup>2</sup> retail (3 lots – usage yet to be defined, assume café)
- 154m<sup>2</sup> commercial (4 lots – standard small office usage)

**Waste Facilities**

Table 1 below is extracted from the OWMP which shows the total number of bins located within the main waste storage area on lower ground floor. This table shows the total waste estimate for the 76 residential apartments and demonstrates the surplus capacity that is available due to the number of bins and collections frequency – i.e. the difference between estimated waste volume per week and total weekly capacity.

**Table 1: Residential waste estimate and bin capacity (extract from OWMP)**

Waste Stream	Bin Type	No. of Bins	Clearance Frequency per week	Estimated volume / week	Total weekly Capacity (L)	Footprint per bin m <sup>2</sup>	Total bin Footprint m <sup>2</sup>
General Waste	MGB - 660L	9	2	9,120	11,880	0.98	8.85
Recycling	MGB - 660L	9	2	9,120	11,880	0.98	8.85
Total		18			23,760		17.69

Table 2 shows the waste estimate for the commercial and retail lots (combined), based on CoS generation rates.

**Table 2: Commercial and Retail waste estimate**

	L/day	L/week	Bin Type	No. of bins	Weekly Collections	Total capacity
General waste	180	900	660	1	2	1320
Recycling	274	1369	660	1	2	1320
Food	70	352	120	1	3	360

Table 2 shows that estimated volume of waste generated per week from the commercial and retail lots will fit comfortably within the surplus capacity delivered in the number of bins provided in the main waste storage area on lower ground floor shown in table 1 above. With the exception of food waste which will require an additional 120L bin should it be required by the type of retailer occupying the lots (as yet undefined). As all waste and recycling will be serviced by a commercial

contractor, building management will have the ability to request a dedicated organics collection from their contractor should it be required once operational.

For clarity, table 3 shows the total waste estimate for all components combined (residential, retail and commercial), and demonstrates that the bin types and numbers specified in the OWMP and provided for in the design are adequate for the total waste estimate for the development. Note the addition of one 120L bin for food waste comfortably fits within the main waste storage area on lower ground floor should it be required once operational.

***Table 3: Total waste estimate and bin capacity***

	Estimated L/week	Bin Type	No. of bins	Weekly Collections	Total capacity (L)
General waste	10,020	660	9	2	11,880
Recycling	10,489	660	9	2	11,880
Food	314	120	1	3	360

## Conclusion

I'm available to discuss directly if I can be of any further assistance or provide more detail if required.

Kind regards,



Scott Ebsary - Director, Foresight Environmental