



Waste Management Plan

Lot 9 (No. 1-3) Thomas Street
Safety Bay

August 2026

EXECUTIVE SUMMARY

Alta1 is seeking development approval to establish an educational establishment at Lot 9 (No. 1-3) Thomas Street, Safety Bay (the site). The educational establishment will operate during weekdays in the school term. The educational establishment is expected to accommodate up to 100 students (years 7 – 12) at any one time plus 18 teachers, assistants and therapeutic staff.

To support the Development Application, the City of Rockingham (the City) requires a Waste Management Plan (WMP) that will identify how waste is to be stored and collected from the educational establishment.

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

Proposed Waste Management Summary

Waste type	Generation (L/week)	Bin size (L)	Number of bins	Collection frequency	Collection
Recycling	50L	360L	1	Fortnightly	City of Rockingham kerbside waste collection.
Organics (FOGO)	5L	240L	1	Weekly	
General	45L	140L	2	Fortnightly	

A designated staff member will oversee the relevant aspects of waste management at the educational establishment.

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1. INTRODUCTION

Alta1 is seeking development approval to establish an educational establishment at Lot 9 (No. 1-3) Thomas Street, Safety Bay (the site). The educational establishment will operate during weekdays in the school term. The educational establishment is expected to accommodate up to 100 students (years 7 – 12) at any one time plus 18 teachers, assistants and therapeutic staff.

The City requires the submission of a WMP that identifies how waste is to be stored and collected from the educational establishment. The WMP addresses the following:

- The location of waste storage areas and waste collection points;
- Calculations of waste volumes and frequency of waste collections;
- The number, volume and type of bins, and the type of waste to be placed in the bins;
- General design considerations for the management of noise, odour, hygiene and vermin in the waste storage area; and
- Management of the bins and the bin storage areas, including cleaning and moving bins to and from the bin collection areas.

In support, [Attachment 1](#) shows the screened bin compound and a bin collection area within the Scott Road verge.

1.1 Objectives and scope

The objective of this WMP is to outline the equipment and procedures that will be adopted to manage all waste (general waste, recyclables and organic waste) at the educational establishment. Specifically, the WMP demonstrates that the site should be designed to:

- Adequately cater for the anticipated quantities of waste to be generated;
- Provide a suitable bin storage area including 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 Generation;
- Section 3: Waste Storage;
- Section 4: Waste Collection;
- Section 5: Waste Management; and
- Section 6: Conclusion.

2. WASTE GENERATION

This section outlines the waste generation rates used and the estimated waste volumes to be generated at the educational establishment.

2.1 Waste generation rates

The anticipated quantities of general waste and recyclables are based on the number of students on the site. It is proposed there will be a maximum of 100 students on the site at any one time. Based on attendance rates of other Alta1 schools in Western Australia, a daily average of 80 students is expected on site.

The anticipated quantities of general waste and recyclables are based upon the *City of Melbourne's Guidelines for Preparing a Waste Management Plan (2017)*. There are no Western Australian Local Government Association or any other Western Australian Waste Guidelines that include suitable waste generation rates for educational establishments.

The generation rate of 1L/week for general waste and recyclables per student were utilised in calculating waste volumes for the educational establishment. This includes general waste, organics and mixed recycling.

Outlet type	Garbage (general waste)	Organics	Mixed recycling
Education/training (Teaching space)	4.5 L / 100 m ² floor area / day or 0.45 L / student / week	0.5 L / 100 m ² floor area / day or 0.05 L / student / week	5 L / 100 m ² floor area / day or 0.5 L / student / week

Source: www.melbourne.vic.gov.au/waste-management-plans

2.2 Waste generation volumes

Waste generation is estimated by volume in litres (L) as this is generally the influencing factor when considering bin size, numbers and storage space required.

Waste generation volumes adopted for this waste assessment are outlined in [Table 1](#). It is estimated the educational establishment will generate a total of 100 litres of waste per week.

Table 1: Estimated Waste Generation

Type of waste	Number of students	Waste generation rate (L/week)	Total waste generation per week(L)
General waste	100	0.45L per student per week	45L
Organics (FOGO)	100	0.05L per student per week	5L
Mixed recycling	100	0.5L per student per week	50L
TOTAL			100L

3. WASTE STORAGE

3.1 Introduction

To ensure that waste is managed appropriately at the educational establishment, sufficient space will be provided to accommodate the required number of bins within the screened bin compound. The procedures and bins to be used at the educational establishment is outlined in the following sections.

3.1 Internal Bins

To promote positive recycling behaviour and maximise diversion from landfill, the educational establishment will have various bins within the educational establishment for the separate disposal of general waste, organics and mixed recyclables. Waste materials in these bins will be transferred by staff/cleaners to the screened bin compound for disposal in the appropriate bin.

3.2 Bin Storage Area

Waste materials generated within the educational establishment will be collected in the bins located in the screened bin compound shown in [Attachment 1](#).

The screened bin compound will accommodate:

- 2 x 140L general waste bins;
- 1 x 240L FOGO bin; and
- 1 x 360L mixed recycling bin.

The number of bins provided considerably exceeds the proposed waste generated.

The design of the bin compound will take into consideration:

- Smooth impervious floor;
- Adequate width for easy maneuvering of bins;
- Appropriate signage that identifies what items are and are not accepted in the general waste and recyclable bins, any hazards or potential dangers, and any relevant points of contact for the waste system;
- Bins not to be visible from the property boundary or areas trafficable by the public; and
- Bins are reasonably secured from theft and vandalism.

Bin numbers and storage space within the screened bin compound will be monitored by the designated staff member during the operation of the educational establishment to ensure that the number of bins and collection frequency is sufficient.

4. WASTE COLLECTION

4.1 City of Rockingham kerbside collection

The designated staff member will ensure the required bins are moved to the Scott Road kerbside each week/fortnight with the bins returned to the bin compound in a timely manner after collection has occurred.

4.2 Bulk waste and green waste collection

Bulk waste material will be removed from the educational establishment as it is generated.

A designated staff member will liaise with staff/cleaners on procedures for bulk waste disposal within the educational establishment. The designated staff member will monitor the accumulation of bulky waste and will organise for its disposal at the appropriate facility, as required.

Alta1 will utilise the City's twice yearly green waste verge collection service.

4.3 Specialty Waste

Additional bins within the educational establishment, will be provided for the collection and storage of specialty waste that is unable to be disposed of within the general waste, FOGO and recycling bins. Specialty waste may include items such as batteries, light globes and e-waste.

Specialty waste will be removed from the educational establishment as sufficient volumes have been accumulated to warrant disposal. Specialty waste collection will be monitored by the designated staff member who will organise their transport to the appropriate waste facility, as required.

Sanitary waste will be collected in situ and appropriate collection containers will be placed in necessary locations.

5. WASTE MANAGEMENT

5.1 Staffing

A designated staff member will be engaged to complete the following tasks:

- Monitoring and maintenance of bins and the bin storage area;
- Oversight/engaging cleaners and/or cleaning of bins and screened bin compound as required;
- Monitor bulk/specialty waste and green waste accumulation and assist staff/cleaners with its removal, as required;
- Ensure all staff/cleaners at the educational establishment are made aware of this WMP and their responsibilities thereunder;
- Monitor staff/cleaner behaviour and identify requirements for further education and/or signage; and
- Regularly engage with students to develop opportunities to reduce waste volumes and increase resource recovery.

5.2 Amenity

Noise

The only noise generated from the waste management at the site will be that of the bins being wheeled to/from the Scott Road kerbside.

Ventilation

The screened bin compound will have ample natural ventilation.

Hygiene

The designated staff member will be responsible for ensuring the bins are kept clean along with the bin compound.

Prevention of vermin

Staff will be advised not to overfill the bins so that the lids are closed at all times. Alta1 will monitor the need to place rat traps in the corners of the bin storage compound.

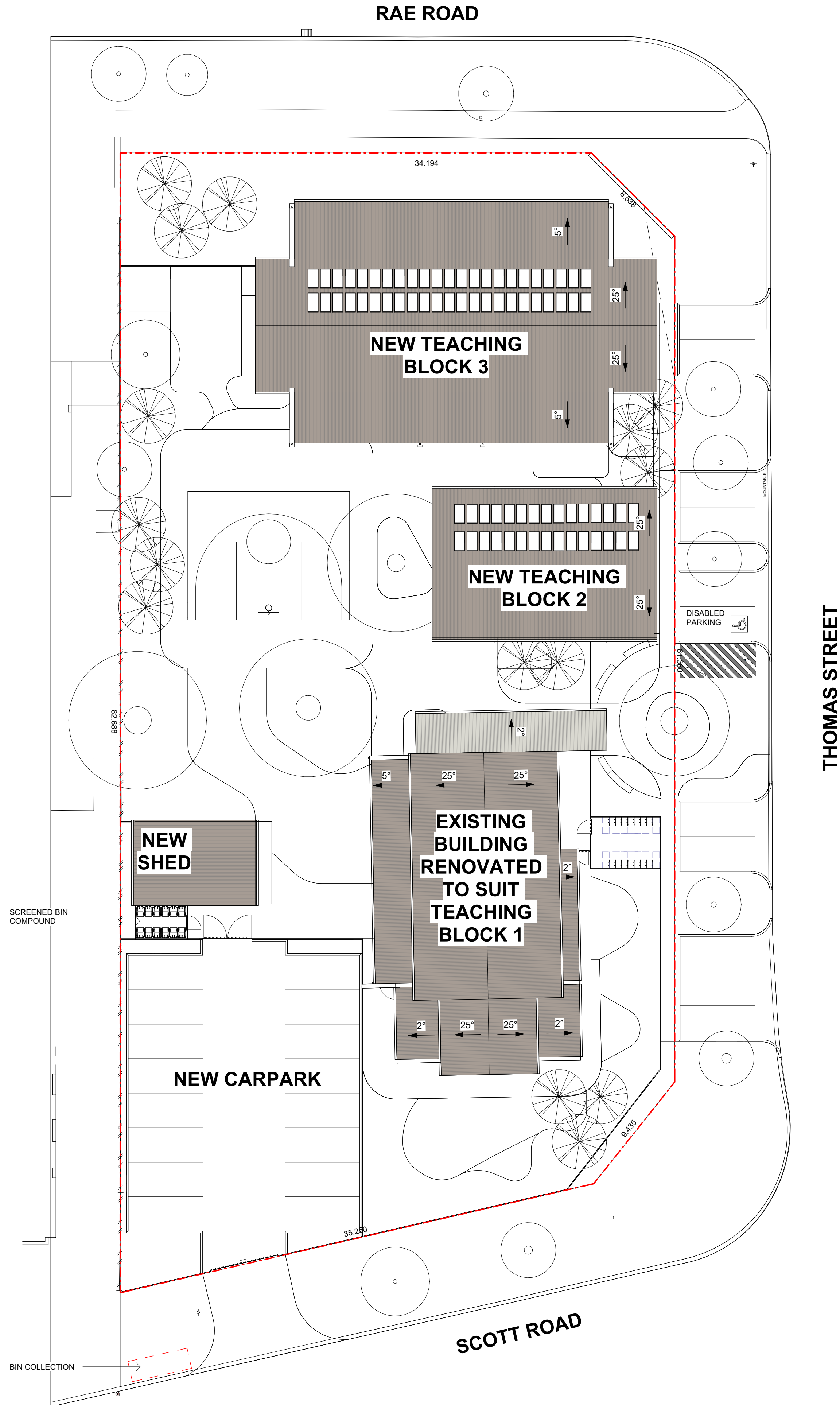
5.3 Review

As required, Alta1 will review the WMP to ensure objectives are being met and to review changing circumstances.

6. CONCLUSION

As demonstrated within this WMP, the educational establishment provides a sufficiently sized screened bin compound for storage of general waste, FOGO and recyclables, based on the estimated waste generation and a suitable configuration of bins. Accordingly, the bin compound is considered appropriately designed, and the collection of general waste, recycling and organic waste can be satisfactorily undertaken from the educational establishment.

ATTACHMENT 1



1 WASTE MANAGEMENT PLAN
1 : 200

DEVELOPMENT APPLICATION

Architectural documents are to be read in conjunction with relevant structural, fire service, mechanical, hydraulic, electrical, civil and landscaping documents. Drawings are to be read in conjunction with the appropriate sections of technical applications.

Do not scale drawings. Use figured dimensions only. Inform architect of any conflict between the site conditions and documents. Contractor to verify all dimensions on site before commencing work.

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rev	date	title
A	07.08.26	DEVELOPMENT APPLICATION UPDATE



MATTHEWS & SCAVALLI
ARCHITECTS

e: info@mandsarchitects.com.au
a: PO Box 8084 Fremantle 6160 WA
p: (08) 9316 0531
f: (08) 9316 0468
w: www.mandsarchitects.com.au

Project	ALTA1 - SAFETY BAY
Client	ALTA1
Drawing Title	WASTE MANAGEMENT PLAN
designed	SM
drawn	BA
project no	H26001
scale	1 : 200
drawing no	A200
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