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SELLICK CONSULTANTS PTY LTD

Job Title: **Multi-Unit Residential Development**

Job Location: **Block D, Section B, Precinct 1, Yarralumla**

Client: **Doma**

Reference #: **201000**

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Project Details

Project No: 201000
Project Manager: Julius Matongo

Sellick Consultants Reference: Precinct 1 – Yarralumla Brickworks

Report Issued to

The Manager of TCCS – Design Review & Coordination
Transport Canberra & City Services
GPO Box 158
CANBERRA ACT 2601

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Revision	Issue	Prepared By	Approved By	Date
A	Final	Julius Matongo	Julius Matongo	25.09.2023

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INTRODUCTION

Sellick Consultants Pty Ltd on behalf of Doma Group have prepared this Waste Management Report for the proposed multi-unit townhouse development on Block d, Section B, Precinct 1, Yarralumla. This report has been prepared in accordance with The Development Control Code for Best Practice Waste Management in the ACT 2019 (DCC 2019).

This report considers the following:

- The proposed development residential waste and recycling generation; and,
- Waste and recycling operation procedures that will be adopted to service the development.

1.1 PROPOSED DEVELOPMENT

The proposed development will be comprised of a multi-unit building with three residential floors with a total unit yield of 134 units. The development also includes basement carparking.

Please refer to Annexure D for the Architectural Site Plan of the proposed overall development for further reference.

1.1.1 RESIDENTIAL LAND USES

Based on the below yield schedule the proposed development will consist of the following apartment allocations.

Table 1 Proposed Development Residential Yield

Apartment	1 Bedroom or Studio	1 Bedroom + Study	2 Bedroom	3 Bedroom	4 Bedroom	Total
No.	1	0	80	41	7	129

2.0 WASTE AND RECYCLING GENERATION RATES

The Development Control Code for Best Practice Waste Management in the ACT 2019 (DCC 2019) provides residential waste and recycling generation rates. These rates have been applied to the proposed development, as indicated in Table 2.

Table 2 – Residences' Waste and Recycling Generation Rates

	Weekly Waste Generation Rate (Litres)	Weekly Recycling Generation Rate (Litres)
1 Bedroom	80	70
1 Bedroom + Study	90	80
2 Bedrooms	100	90
3 Bedrooms	120	110
4 Bedrooms	140	120

Green Waste is in accordance with TCCS allocations:

- Multi-Unit residence with ground floor private open space
  - One (1) 0.24m^3 MGB per 300m^2 GFA (rounded up)
- Multi-Unit residence without ground floor private open space
  - One (1) 0.24m^3 MGB per 50 units (rounded up)

Refer Annexure A for the Multi-Unit Residential Development Shared Waste and Recycling Allocation Calculator.

2.1 WASTE AND RECYLCING HOPPER/MGB NUMBERS

The above generation rates from Section 2.0 have been applied to the proposed development as indicated below. Please refer to Annexure F for the combined waste generation and the allocated bins.

2.1.1 RESIDENTIAL ENCLOSURE

Table 3 - Residential Waste, Green Waste and Recycling Generation

Waste								
Type	**No. of Units**	**Waste/ Unit/ Week (Litres)**	**No. of Bins**	**Bin Size (m^3)**	**No. of Collections**	**Compaction (1:x)**	**Weekly Generation (litres)**	**Weekly Capacity (litres)**
4B	7	140	7	1.1	2	1	0.98	15.4
3B	41	120					4.92	
2B	80	100					8	
1B + S	0	90					0	
1B	1	80					0.08	
Total Units	**129**						**13.98**	

Recycling								
Type	**No. of Units**	**Waste/ Unit/ Week (Litres)**	**No. of Bins**	**Bin Size (m^3)**	**No. of Collections**	**Compaction (1:x)**	**Weekly Generation (litres)**	**Weekly Capacity (litres)**
4B	7	120	7	1.1	2	1	0.84	15.4
3B	41	110					4.51	
2B	80	90					7.2	
1B + S	0	80					0	
1B	1	70					0.07	
Total Units	**129**						**12.62**	

Green Waste					
Type	**Breakup**	**No. of Units**	**GFA (m^2)**	**No. of Bins ($0.24m^3$)**	**No. of Collections per Week**
Shared	With PoS	0		0	0
	Without PoS	129	N/A	3	0.5
Total Units		**129**		**3**	**0.5**

Refer Annexure C for Civil Waste drawings.

3.0 WASTE AND RECYCLING OPERATIONS MANAGEMENT PLAN (OMP)

The operation for collecting waste and recycling from the resident generation to TCCS collection is considered within this section and detailed in Annexure F.

3.1 HOPPER STORAGE

3.1.1 RESIDENTIAL ENCLOSURE

Five waste chute rooms are in the basement of the building and are only accessed by the building manager. Residents will use a separate green waste enclosure located next to the chute rooms. Each of the chute rooms will have the following hoppers:

- Waste
  - Two (2) x 1.1m^3 waste hopper
- Recycling
  - Two (2) x 1.1m^3 recycling hoppers

Refer Annexure C for Civil Waste drawings.

3.2 WASTE AND RECYCLING TRANSFER FROM GENERATION TO COLLECTION

3.2.1 RESIDENTIAL ENCLOSURE A

As required in C14 of the DCC 2019, convenient access to waste and recycling facilities has been provided for residents in the building. A dual chute system will allow residents to dispose of their recycling/waste at each floor level, and subsequently lowers into the chute rooms in the basement. Waste and recycling chutes are located within an allocated service compartment on each floor for residents to utilize. The longest path of travel from the furthest unit to the chute compartment is 30m. Residents will access the green waste enclosures from the service lifts through a separate 0.85m door.

The building manager will be responsible for moving hoppers from the waste chute rooms to the shared waste and recycling RORO compactors located within the community title for a centralized waste and recycling collection. The building manager will also be responsible for rolling green bins from the green waste enclosure to the kerb along Road 07 for collection once a fortnight. The maximum roll out distance for green bins from the residential waste enclosure to the kerbside is 85m.

3.3 RESPONSIBLE PARTIES FOR CLEANING AND MAINTENANCE OF STORAGE FACILITES

3.3.1 RESIDENTIAL ENCLOSURE

As per DCC 2019, all equipment required for the transfer of waste and recycling, inclusive of hoppers, will be provided by the developer, operated, and maintained by building management at no cost to the Territory.

3.4 COLLECTION OPERATIONS

3.4.1 RESIDENTIAL ENCLOSURE

Please refer to Annexure F for the EDP Waste Overview Report detailing the overall waste collection operations.

4.0 MINIMUM SUBMISSION REQUIREMENTS

4.1 MULTI-UNIT RESIDENTIAL DEVELOPMENTS

Refer below for the submission requirements for onsite collection for multi-unit residential developments:

Table 4 - Minimum Submission Requirements for Multi-Unit Residential Developments

Number	Submission Requirement	Requirement Met
R1	Each development application must include a completed copy of all relevant Parts of the WRMP	All relevant parts of the WRMP have been provided as part of this report, please refer to Annexure B.
R2	Development application submission documents must include plans, elevations, sections and written descriptions or specifications for collection services, as applicable, showing:	Please refer to Annexure F.
R2.1	The location and dimensions of the waste and recycling storage facility with tabulated calculations to demonstrate the adequacy of this space.	Please refer to Annexure F.
R2.2	Tabulated waste and recycling generation rates per dwelling (i.e., bedrooms) in accordance with Table 7.1	Residential waste and recycle generation have been calculated using the generation rates provided in Table 7.1 of the DCC 2019, please refer Annexure A.
R2.3	A method statement describing how waste and recycling must be transferred from each dwelling to the waste and recycling storage facility.	Please refer to Annexure F.
R2.4	The location of any waste and recycling chutes (if included in a proposed development) and the location and dimensions of any waste service compartment on each floor of the building; it must include tabulated calculations to demonstrate the adequacy of these facilities.	The apartment building is the only location of a chute within the proposed development, please refer Annexure C and E.
R2.5	The location of the designated collection point, hopper pad or both for the collection and emptying of the Territory's waste and recycling bins.	Please refer to Annexure F.
R2.6	The path of travel for moving bins from the waste and recycling storage facility to the designated collection point; it must indicate dimensions, clearances and gradients, where applicable.	Please refer to Annexure F.
R2.7	The path of travel for collection vehicles if collection occurs on site; it must indicate all clearances, travel, turning and maneuvering paths, ramp access, clearances in all directions and pavement details, where applicable.	Please refer to Annexure F.

5.0 CONCLUSION

The proposed developments waste and recycling management process has been undertaken in accordance with the relevant part of the Development Control Code for Best Practice Waste Management in the ACT 2019. Steps outlined in the report have been taken to minimize risks and handling associated with development waste and recycling management for both building management and Territory contractors.

The waste and recycling management process for the development is recommended for TCCS approval.

ANNEXURE A – MULTI-UNIT RESIDENTIAL DEVELOPMENT SHARED WASTE AND RECYCLING ALLOCATION CALCULATOR

ACT Government
Transport Canberra and City Services

Multi-unit residential development
Shared waste and recycling allocation calculator

Type of units by size	Waste (litres/week)			Recycling (litres/week)		
	Number of units	litres/week per unit	Total litres/week	Number of units	litres/week per unit	Total litres/week
1 bedroom or studio unit	1	80	80	1	70	70
1 bedroom with separate study room	0	90	0	0	80	0
2 bedroom unit	80	100	8,000	80	90	7,200
3 bedroom unit	41	120	4,920	41	110	4,510
4 bedroom unit or greater	7	140	980	7	120	840
Total calculated waste			**13,980**			**12,620**

**NB: Standard allocations updated as of 1 February 2019*
**NB: If the calculated waste volume in litres/week exceeds 36,000, compactors MUST be used.*

Shared waste allocation calculated as per assumptions above

Calculated waste volume (litres/week)	Waste hopper quantity			Service frequency*
	1.5 m^3	2 m^3	3m^3	
13,980	**0**	**2**	**1**	**Twice weekly**

Scenario 2 (only applicable to total calculated waste volume greater than 22,351 litres/week)

Calculated waste volume (litres/week)	Waste hopper quantity			Service frequency*
	1.5 m^3	2 m^3	3m^3	
0	**0**	**0**	**0**	

Shared recycling allocation calculated as per assumptions above

Calculated recycling volume (litres/week)	Recycling hopper quantity	Service frequency*
	1,100L	
12,620	**6**	**Twice weekly**

Scenario 2 (only applicable to total calculated recycling volume greater than 22,001 litres/week)

Calculated recycling volume (litres/week)	Recycling hopper quantity	Service frequency*
	1,100L	
0	**0**	

**Note 1: This calculator does not apply if the option of shared MGBs with kerbside collection is available.*
**Note 2: Developments where sufficient waste is generated as per the above may be entitled to three (3) times a week collection only in those areas where three (3) times a week collection is already provided. Availability of this limited service is subject to operational considerations and may not be available in all areas. Three (3) times a week collection requires Place Coordination's approval in writing at the pre-application stage. In cases where a three (3) times a week collection cannot be provided, the development must be able to accommodate sufficient waste and recycling storage space to accommodate twice a week collection.*

ANNEXURE B – WASTE & RECYCLING MANAGEMENT PLAN (PROFORMA)

ACT Government
Transport Canberra and City Services

WASTE & RECYCLING MANAGEMENT PLAN FORM FOR APPLICANTS

PROJECT APPLICATION DETAILS – COVER SHEET

This section of the Waste and Recycling Management Plan must be completed by all applicants when lodging a submission for a Development Application, Design Acceptance, or Operational Acceptance.

Note: The Submission must be complete and include **all the elements for the WRMP** TCCS will not accept incomplete Submissions or Submissions from individual consultants for separate elements of the WRMP. Assessment will not commence until a complete Submission has been received.

SITE DETAILS

Project Title: Precinct 1 Yarralumla Brickworks

Description: Multi-unit Townhouse Residential Development

DEVELOPER'S/CLIENT'S DETAILS

Name of entity: Doma Group **Contact Person:** Alex Moulis

Address: PO Box 5419 Kingston ACT 2604 Australia

Phone Number: 0425 166 643 **E-mail:** alex@domagroup.com.au

APPLICANT'S DETAILS

Company name: Sellick Consultants **Contact Person:** Julius Matongo

Address: PO Box 5005 Braddon ACT 2612 **Phone Number:** 02 6201 0200

Email: jack@sellickconsultants.com.au

LODGEMENT STAGE

Development Application:	◉ **Yes**	○ **No**	○ **N/A**
Design Acceptance:	○ **Yes**	○ **No**	◉ **N/A**
Operational Acceptance:	○ **Yes**	○ **No**	◉ **N/A**

PROJECT DETAILS (CHECK ALL RELEVANT BOXES)

Single Dwelling and Dual Occupancy Dwellings	☐
Multi-unit residential development – individual MGBs with kerbside collection (Section 2.1a)	☐
Multi-unit residential development – shared MGBs with kerbside collection (Section 2.1b)	☒
Multi-unit residential development – bins with on-site collection (Section 2.1c)	☒
Commercial, public and industrial development (Section 2.2)	☐
Mixed-use development (Sections 2.1 and 2.2)	☐
Demolition, Excavation and Construction (Section 3)	☐

ACT Government
Transport Canberra and City Services

WASTE & RECYCLING MANAGEMENT PLAN FORM FOR APPLICANTS

PROJECT APPLICATION DETAILS – COVER SHEET

The Cover Sheet Checklist provides a brief overview of the Submission. All relevant WRMP forms and associated documentation must also be submitted with this application. The Design Solution will be either Performance-based (Perf) or Deemed-to-Satisfy (DtS) – if a combination of both then select Performance.

CHECKLIST

WASTE MANAGEMENT COMPONENT	DESIGN SOLUTION		COMPLIANT (check one box)			
(DCC Reference)	Perf	DtS	Yes	No	N/A	Office use
Performance solutions approved at Pre-Application stage	☐	☐	☐	☐	☒	☐
Non-standard collection requiring ACT NoWaste approval	☐	☐	☐	☐	☒	☐
Indoor storage spaces for each dwelling	☐	☒	☒	☐	☐	☐
Path of travel from dwelling to waste enclosure or ***designated collection point***	☐	☒	☒	☐	☐	☐
Path of travel from waste enclosure to ***designated collection point***	☐	☒	☒	☐	☐	☐
Facilities and path of travel are ***accessible***	☐	☒	☒	☐	☐	☐
Waste service compartments	☐	☒	☒	☐	☐	☐
Performance of ***chutes***	☐	☒	☒	☐	☐	☐
On-site storage facilities	☐	☐	☐	☐	☒	☐
Compaction equipment – includes ***compactors*** and ***bin compactors***	☐	☐	☐	☐	☒	☐
Ancillary waste equipment – bin lifters, ***carousels*** etc	☐	☒	☒	☐	☐	☐
Loading areas or ***designated collection points***	☐	☒	☒	☐	☐	☐
Unobstructed kerb space at ***designated collection points***	☐	☒	☒	☐	☐	☐
Internal circulation roadways	☐	☒	☒	☐	☐	☐
Swept path clearances – certified by qualified engineer	☐	☒	☒	☐	☐	☐
Vertical and horizontal clearances, including trees	☐	☒	☒	☐	☐	☐
Operations management plan	☐	☒	☒	☐	☐	☐
Mixed use – separation of residential and non-residential	☐	☐	☐	☐	☒	☐
C&D, Excavation – type/volume or tonnage	☐	☐	☐	☐	☒	☐
C&D, Excavation – on-site/off-site management	☐	☐	☐	☐	☒	☐
C&D, Excavation – vehicle access	☐	☐	☐	☐	☒	☐
Supporting drawings and documentation	☐	☒	☒	☐	☐	☐
Submission requirements addressed	☐	☒	☒	☐	☐	☐
Work As Executed records (Operational Acceptance)	☐	☐	☐	☐	☒	☐

WASTE & RECYCLING MANAGEMENT PLAN FORM FOR APPLICANTS

SECTION 2 – DESIGN AND OPERATION OF WASTE AND RECYCLING

SECTION 2.1(A) – MULTI-UNIT RESIDENTIAL DEVELOPMENT (SERVICED BY INDIVIDUAL MGBS COLLECTED AT KERBSIDE)

Controls for these developments are included in Part 3.2.5 and Part 3.5 of the DCC. Submission requirements are stated in Part 3.5.4. Where appropriate, provide plans showing details to support the application.

This section applies to the following:

- *Development applications for new multi-unit residential developments*
- *Development applications for alterations or additions to existing multi-unit residential developments if there is an effect on the provision of waste and recycling services*
- *Development applications for new mixed-use developments that include multi-unit residential developments.*

STORAGE FACILITIES

CONTROL C1 OF DCC – INDOOR WASTE AND RECYCLING STORAGE SPACE

Location and dimensions of indoor waste and recycling storage space for each dwelling type
*(Provide tabulated calculations of the total waste and recycling generated per week as per Table **A4.2**)*

Description N/A

Drawing Reference Numbers	

Development satisfies control C1 of the DCC: ☐ **Yes** ☐ **No**

CONTROL C2 – EXTERNAL WASTE, RECYCLING AND GREEN WASTE STORAGE AREA

Location and dimensions of waste, recycling and green waste storage area
*(Refer to **Table 3.3** for mandatory submission requirements. Use Tables **A4.5** and **A4.5** to calculate waste and recycling storage requirements for the development. Refer to **A4.3** and www.tccs.act.gov.au/recycling-and-waste/collection/green-bin- program for green waste storage requirements, if applicable for this development)*

Description N/A

Drawing Reference Numbers	

Development satisfies control C2 of the DCC: ☐ **Yes** ☐ **No**

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the *waste transporter to* provide the service:

WASTE & RECYCLING MANAGEMENT PLAN FORM FOR APPLICANTS

SECTION 2 – DESIGN AND OPERATION OF WASTE AND RECYCLING

SECTION 2.1(A) – MULTI-UNIT RESIDENTIAL DEVELOPMENT (SERVICED BY INDIVIDUAL MGBS COLLECTED AT KERBSIDE)

PATH OF TRAVEL

CONTROL C3 – ACCESSIBLE PATH OF TRAVEL

Path of travel for moving bins from the *waste, recycling* and *green waste storage area* to the *designated collection point*.

*(Refer to **R2.3** of **Table 3.3** for mandatory submission requirements)*

Description N/A

Drawing Reference Numbers

Development satisfies control C3 of the DCC: ☐ **Yes** ☐ **No**

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the *waste transporter to* provide the service:

DESIGNATED COLLECTION POINT

CONTROL C4 AND C5 – DESIGNATED COLLECTION POINT (KERBSIDE)

Location of designated collection point (kerbside), including dimensions of available kerb frontage and indicative presentation layout of MGBs on kerbside

*(Refer to **R2.4** of **Table 3.3** for mandatory submission requirements)*

Description N/A

Drawing Reference Numbers

Development satisfies control C4 and C5 of the DCC: ☐ **Yes** ☐ **No**

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the *waste transporter to* provide the service:

WASTE & RECYCLING MANAGEMENT PLAN FORM FOR APPLICANTS

SECTION 2 – DESIGN AND OPERATION OF WASTE AND RECYCLING

SECTION 2.1(A) – MULTI-UNIT RESIDENTIAL DEVELOPMENT (SERVICED BY INDIVIDUAL MGBS COLLECTED AT KERBSIDE)

COMPLETE IF DEVELOPMENT IS PART OF A MIXED-USE DEVELOPMENT ONLY

CONTROL C23 (PART 5.3) – SEPARATION OF RESIDENTIAL AND NON-RESIDENTIAL WASTE

Identify how *residential* and non-residential waste and recycling will be kept separate and methods to minimise the potential for commercial tenants to use *residential waste* and recycling bins

*(Refer to **R4** of **Table 5.2** for mandatory submission requirements)*.

Description N/A

Drawing Reference Numbers	

Development satisfies control C23 of the DCC: ☐ **Yes** ☐ **No**

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the *waste transporter* to provide the service:

N/A

WASTE & RECYCLING MANAGEMENT PLAN FORM FOR APPLICANTS

SECTION 2 – DESIGN AND OPERATION OF WASTE AND RECYCLING

SECTION 2.1(b) – MULTI-UNIT RESIDENTIAL DEVELOPMENT (SERVICED BY SHARED MGBs COLLECTED AT KERBSIDE)

Controls for these developments are included in Part 3.2.4 and Part 3.6 of the DCC. Submission requirements are stated in Part 3.6.4. Where appropriate, provide plans showing details to support the application.

This section applies to the following:

- *Development applications for new multi-unit residential developments*
- *Development applications for alterations or additions to existing multi-unit residential developments if there is an effect on the provision of waste and recycling services*
- *Development applications for new mixed-use developments that include multi-unit residential developments.*

STORAGE FACILITIES

CONTROL C1 – INDOOR WASTE AND RECYCLING STORAGE SPACE

Generation of waste and recycling for each dwelling type

*(Provide tabulated calculations per dwelling type per week, as per **Table A4.2**)*

Description N/A

Drawing Reference Numbers

Development satisfies control C1 of the DCC: ☐ **Yes** ☐ **No**

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the *waste transporter to* provide the service:

CONTROL C6 – EXTERNAL WASTE AND RECYCLING STORAGE FACILITY

Location and dimensions of *waste and recycling storage facility or mini-enclosure*

*(Refer to **Table 3.3** for mandatory submission requirements. Use Tables **A4.5** and **A4.5** to calculate waste and recycling storage requirements for the development. Refer to **A4.3** and www.tccs.act.gov.au/recycling-and-waste/collection/greenbin-program for green waste storage requirements, if applicable to this development)*

Description N/A

Drawing Reference Numbers

Development satisfies control C6 of the DCC: ☐ **Yes** ☐ **No**

Development satisfies Part 7.2.3 or 7.2.4 or both of the DCC ☐ **Yes** ☐ **No**

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the *waste transporter to* provide the service:

PATH OF TRAVEL

CONTROL C7 – ACCESSIBLE PATH OF TRAVEL

Accessible path of travel for carrying waste and recyclables and for moving bins between the *waste and recycling storage facility* or *minienclosure* and: (i) the entrance of each dwelling; and (ii) the *designated collection point*
*(Refer to **Table 3.5** for mandatory submission requirements)*

Description N/A

Drawing Reference Numbers	

Development satisfies control C1 of the DCC: ☐ **Yes** ☐ **No**

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the *waste transporter to* provide the service:

OPERATIONS MANAGEMENT PLAN

CONTROL C8 – OPERATIONS MANAGEMENT PLAN

Description of the process to present bins for collection and to return bins to the waste and recycling storage facilities. Include documentation to be presented to the *owners corporation.*

Description N/A

Development satisfies control C8 of the DCC: ☐ **Yes** ☐ **No**

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the *waste transporter to* provide the service:

WASTE & RECYCLING MANAGEMENT PLAN FORM FOR APPLICANTS

SECTION 2 – DESIGN AND OPERATION OF WASTE AND RECYCLING

SECTION 2.1(b) – MULTI-UNIT RESIDENTIAL DEVELOPMENT (SERVICED BY SHARED MGBs COLLECTED AT KERBSIDE)

COLLECTION POINT

CONTROL C9 AND C10 – DESIGNATED COLLECTION POINT (KERBSIDE)

Location of *designated collection point (kerbside)*, including dimensions of available kerb frontage and indicative presentation layout of MGBs on kerbside

Description Green bins will be collected on the kerb along Bricksworks Way.

Drawing Reference Numbers WM-2301

Development satisfies control C9 and C10 of the DCC: ☒ **Yes** ☐ **No**

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the *waste transporter to* provide the service:

COMPLETE IF DEVELOPMENT IS PART OF A MIXED-USE DEVELOPMENT ONLY

CONTROL C23 (PART 5.3) – SEPARATION OF RESIDENTIAL AND NON-RESIDENTIAL WASTE

Identify how *residential* and non-residential waste and recycling will be kept separate and methods to minimise the potential for commercial tenants to use *residential* waste and recycling bins

Description N/A

Development satisfies control C23 of the DCC: ☐ **Yes** ☐ **No**

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the *waste transporter to* provide the service:

WASTE & RECYCLING MANAGEMENT PLAN FORM FOR APPLICANTS

SECTION 2 – DESIGN AND OPERATION OF WASTE AND RECYCLING

SECTION 2.1(C) – MULTI-UNIT RESIDENTIAL DEVELOPMENT (SERVICED BY WASTE HOPPERS AND SHARED RECYCLING MGBS, OR WASTE AND RECYCLING HOPPERS COLLECTED WITHIN THE PROPERTY BOUNDARY)

Controls for these developments are included in Part 3.2.4 and Part 3.7 of the DCC. Submission requirements are stated in Part 3.7.4. Where appropriate, provide plans showing details to support the application.

This section applies to the following:

- *Development applications for new multi-unit residential developments*
- *Development applications for alterations or additions to existing multi-unit residential developments if there is an effect on the provision of waste and recycling services*
- *Development applications for new mixed-use developments that include multi-unit residential developments.*

STORAGE FACILITIES

CONTROL C1 – INDOOR WASTE AND RECYCLING SPACE

Generation of waste and recycling for each dwelling type

*(Provide tabulated calculations per dwelling type per week, as per **Table A4.2**)*

Description Waste and recycling generated by each dwelling has been calculated utilising Table A4.2 of the DCC 2019.

Drawing Reference Numbers

Development satisfies control C1 of the DCC: ☒ **Yes** ☐ **No**

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the *waste transporter to* provide the service:

CONTROL C11 – EXTERNAL WASTE AND RECYCLING STORAGE FACILITIES

Location and dimensions of external waste and recycling storage facilities

*(Provide calculations to demonstrate adequacy of space, including dimensions, cross-sections and height of the waste and recycling storage facility. Refer to Table 3.8 for mandatory submission requirements. Use Tables **A4.5** and **A4.5** to calculate waste and recycling storage requirements for the development)*

Description Five waste chute rooms and respective waste enclosures have been provided. Each enclosure is sized to house the designated number of hoppers required.

Drawing Reference Numbers

Development satisfies control C11 of the DCC: ☒ **Yes** ☐ **No**

Development satisfies Part 7.2.3 of the DCC: ☒ **Yes** ☐ **No**

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the *waste transporter to* provide the service:

How will waste be transferred from each dwelling to external storage area?

Description Residents will transport their waste to the provided chutes outside their dwelling where it will subsequently be transported via chutes to their respective waste enclosures.

Drawing Reference Numbers

PATH OF TRAVEL

CONTROL C12 – ACCESSIBLE PATH OF TRAVEL

Accessible path of travel for carrying waste and recyclables and for moving bins between the waste and recycling storage facilities or waste service compartments and: (a) the entrance to each dwelling; and (b) the *designated collection point*

*(Provide plan of travelling distance, clearance and gradients. Refer to **Table 3.8** for mandatory submission requirements)*

Description An accessible path of travel has been provided for all unit residents to access the designated waste enclosure. Maximum path of travel for any unit is 30m

Drawing Reference Numbers

Development satisfies control C12 of the DCC: ☒ **Yes** ☐ **No**

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the *waste transporter to* provide the service:

MULTI-UNIT DEVELOPMENTS – WASTE AND RECYCLING CHUTES, COMPACTION EQUIPMENT ETC OMPLETE EITHER CONTROL C13 OR C14 OR C15

CONTROL C13 – CONVENIENT ACCESS TO WASTE SERVICES – 3 RESIDENTIAL FLOORS OR LESS

Location and details of any waste service compartments and other waste and recycling equipment that form part of the waste management system

*(Provide calculations to demonstrate adequacy of space. Refer to **Table 3.8** for mandatory submission requirements)*

Description N/A

Drawing Reference Numbers	

Development satisfies control C13 of the DCC: ☒ **Yes** ☐ **No**

Development satisfies Part 7.3 of the DCC: ☒ **Yes** ☐ **No**

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the *waste transporter to* provide the service:

CONVENIENT ACCESS (CONTINUED) – COMPLETE EITHER CONTROL C13 OR C14 OR C15

CONTROL C14 – CONVENIENT ACCESS – 4 RESIDENTIAL FLOORS AND ABOVE

Location and details of any waste service compartments and other waste and recycling equipment that form part of the waste management system

*(Provide calculations to demonstrate adequacy of equipment. Refer to **Table 3.8** for mandatory submission requirements)*

Description

Drawing Reference Numbers	

Location and details of any waste and *recycling chutes*

*(Provide calculations to demonstrate adequacy of equipment. Refer to **Table 3.8** for mandatory submission requirements)*

Description N/A

Drawing Reference Numbers	

Development satisfies control C14 of the DCC: ☒ **Yes** ☐ **No**

Development satisfies Part 7.3 of the DCC: ☒ **Yes** ☐ **No**

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the *waste transporter to* provide the service:

COLLECTION POINT

CONTROL C15 – DESIGNATED COLLECTION POINTS

Location of *designated collection points or hopper pads*
*(Refer to **Table 3.8** for mandatory submission requirements)*

Description Waste and Recycling collection will occur at the designated common estate collection point within the Heritage Precinct.

Drawing Reference Numbers

Development satisfies control C15 of the DCC**:** ☒ **Yes** ☐ **No**

Development satisfies Part 7.2.3 or 7.4 or both**:** ☒ **Yes** ☐ **No**

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the *waste transporter to* provide the service:

Waste collection will occur at a estate level. All waste and recycling for Precinct 1 will be transported from the block to the estate common collection point by building management.

VEHICULAR ACCESS

CONTROL C16 – UNOBSTRUCTED ACCESS TO DESIGNATED COLLECTION POINTS

Path of travel for collection vehicles (if collection occurs on site)
*(Provide details of travelling distance; clearance in all directions; loading heights and widths; and turning and manoeuvring paths, ramp access, clearances, gradients and pavement details including compliance with **AS2890.1-2004**. Refer to **Table 3.8** for mandatory submission requirements)*

Description Collection vehicles will travel via proposed road (yet to be named), then subsequently travel to Road 2 and eventually Road 5 for waste collection.

Drawing Reference Numbers

Development satisfies control C16 of the DCC ☒ **Yes** ☐ **No**

Development satisfies Appendix 7 of the DCC**:** ☒ **Yes** ☐ **No**

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the *waste transporter to* provide the service:

COMPLETE IF DEVELOPMENT IS PART OF A MIXED-USE DEVELOPMENT ONLY

CONTROL C23 (PART 5.3) – SEPARATION OF RESIDENTIAL AND NON-RESIDENTIAL WASTE

Identify how residential and non-residential waste and recycling will be kept separate and methods to minimise the potential for commercial tenants to use *residential* waste and *recycling bins*

*(Refer to **R4** of **Table 5.2** for mandatory submission requirements)*

Description N/A

Drawing Reference Numbers	

Development satisfies control C23 of the DCC: ☐ **Yes** ☐ **No**

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the *waste transporter to* provide the service:

N/A

WASTE & RECYCLING MANAGEMENT PLAN FORM FOR APPLICANTS

DESIGN AND OPERATION OF WASTE AND RECYCLING

SECTION 2.2 – COMMERCIAL, PUBLIC AND INDUSTRIAL DEVELOPMENTS

Controls for these developments are included in Part 4 of the DCC. Submission requirements are stated in Part 4.4. Where appropriate, provide details on plans to support your application.

- *Development applications for new commercial, public or industrial developments*
- *Development applications for alterations or additions to existing commercial, public or industrial development if there is an effect on the provision of waste and recycling management*
- *Development applications for new mixed-use developments involving commercial, public or industrial development.*

WASTE AND RECYCLING GENERATION

CONTROL C17 – WASTE AND RECYCLING GENERATION

Waste and recycling generated by each proposed activity within the development, including quantities, bin types and storage requirements

DESCRIPTION						
Premises Type	Floor Area (m2)	Generation Rate		Waste (L/ week)	Recycling (L/week)	Number of Bins and Sizes
		Waste	Recycling			

In completing this table, refer to Appendix 5 – Waste and Recycling Generation Rates for Commercial, Public and Industrial Developments

Development satisfies Appendix 4, if includes *residential* component ☐ **Yes** ☐ **No** ☐ **N/A**

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the *waste transporter to* provide the service:

WASTE AND RECYCLING STORAGE FACILITIES

CONTROL C17 AND C18 – EXTERNAL WASTE AND RECYCLING STORAGE FACILITIES

Location of *individual waste and recycling storage facilities* (C18) including any *waste and recycling storage sections* (C17) and refrigerated waste storage for the entire development

*(Provide calculations to demonstrate adequacy of space. Refer to **Table 4.2** for mandatory submission requirements)*

Description N/A

Drawing Reference Numbers

Development satisfies control C17 and C18 of the DCC: ☐ **Yes** ☐ **No**

Development satisfies Appendix 5 of the DCC: ☐ **Yes** ☐ **No**

Development satisfies Part 7.2.3 of the DCC: ☐ **Yes** ☐ **No**

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the *waste transporter to* provide the service:

PATH OF TRAVEL

CONTROL C19 – ACCESSIBLE PATH OF TRAVEL

Accessible path of travel from the point of origin or *holding area* to the *waste and recycling storage facilities*

*(Provide details of clearances, gradients and mitigation of odour and noise impacts. Refer to **Table 4.2** for mandatory submission requirements)*

Description N/A

Drawing Reference Numbers

Development satisfies control C19 of the DCC: ☐ **Yes** ☐ **No**

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the *waste transporter to* provide the service:

DESIGNATED COLLECTION POINT

CONTROL C20 – DESIGNATED COLLECTION POINT

Location of *designated collection points* or *hopper pads* or both

*(Refer to **Table 4.2** for mandatory submission requirements)*

Description N/A

Drawing Reference Numbers

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the *waste transporter to* provide the service:

Path of travel for moving bins from waste and recycling storage facilities to the designated collection point

*(Provide plan of travelling distance, clearance and gradients. Refer to **Table 4.2** for mandatory submission requirements)*

Description N/A

Drawing Reference Numbers

Path of travel for collection vehicles (if collection occurs on site)

(Provide details of travelling distance, clearance, turning and manoeuvring paths, ramp access and pavement details to demonstrate compliance with TCCS Design Standards of Urban Infrastructure and the DCC)

Description N/A

Drawing Reference Numbers

Development satisfies control C20 of the DCC: ☐ **Yes** ☐ **No**

Development satisfies Appendix 7 of the DCC: ☐ **Yes** ☐ **No**

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the *waste transporter to* provide the service:

WASTE CHUTES, COMPACTION OR OTHER EQUIPMENT

CONTROL C18 – WASTE CHUTES, COMPACTION OR OTHER EQUIPMENT

Location and details of any *waste chutes*

*(Provide calculations to demonstrate adequacy of equipment. Refer to **Table 4.2** for mandatory submission requirements)*

Description N/A

Drawing Reference Numbers

Location and details of any waste and recycling service lifts

(Provide calculations to demonstrate adequacy of equipment)

Description N/A

Drawing Reference Numbers

Location and details of any waste compaction equipment

*(Provide calculations to demonstrate adequacy of equipment. Refer to **Table 4.2,** in particular **R2.7** and **R2.8,** for mandatory submission requirements)*

Description N/A

Drawing Reference Numbers

Development satisfies control C18 of the DCC: ☐ **Yes** ☐ **No**

Development satisfies Appendix 7.3 of the DCC: ☐ **Yes** ☐ **No**

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the *waste transporter to* provide the service:

WASTE & RECYCLING MANAGEMENT PLAN FORM FOR APPLICANTS

SECTION 3 – DEMOLITION, EXCAVATION AND CONSTRUCTION

Requirements for these developments are included in Part 6 of the DCC. Submission requirements are stated in Part 6.6 of the DCC. Where appropriate, provide details on plans to support your application.

Note: A WRMP is ***not*** required unless the proposed demolition or excavation activities generate more than 20m^3 of waste for the whole development.

This section applies to the following:

- *Demolition – All Development applications involving demolition where the quantity of demolition material will be greater than 20m^3 for the whole development*
- *Excavation – All Development applications involving excavation where the quantity of excavated material will be greater than 20m^3 for the whole development*
- *Development applications for new mixed-use developments that include multi-unit residential developments.*

WASTE TYPES AND QUANTITIES

CONTROL C24 – DEMOLITION, EXCAVATION AND CONSTRUCTION WASTE TYPES AND QUANTITIES

Specify demolition, excavation and construction waste materials by type and volume or tonnage

*This information can be shown in **Table 3.1** (Demolition Waste) or **Table 3.2** (Construction Waste) or both which can be found over leaf. Refer to **Table 6.2** for mandatory submission requirements.*

Description Construction waste as detailed in Table 3.2

ON-SITE MANAGEMENT OF DEMOLITION, EXCAVATION AND CONSTRUCTION WASTE

CONTROL C25 – ON-SITE MANAGEMENT OF WASTE

Nominate on-site sorting and storage areas for demolition, excavation and construction waste materials. Show these details on a draft site plan

*(Refer to **Table 6.2** for mandatory submission requirements)*

Description Construction work will be managed via deck hoppers at each level that will be moved into and out of position for collection by crane directly onto waste collection vehicle.

Drawing Reference Numbers

Describe the work method, practices and specific procedures to be adopted to maximise the reuse and recycling of waste materials

*(Refer to **Table 6.2,** in particular **R2.2,** for mandatory submission requirements)*

Description Some excavated material will be used as fill

WASTE & RECYCLING MANAGEMENT PLAN FORM FOR APPLICANTS

SECTION 3 – DEMOLITION, EXCAVATION AND CONSTRUCTION

Identify access for demolition and construction waste collection vehicles

*(Refer to **Table 6.2** for mandatory submission requirements)*

Description Contractors accessing construction management at time of submission. All access to and from site to be per traffic management plan approved by Roads ACT

Drawing Reference Numbers

Details of waste or recycling storage containers, or both, to be stored outside leased boundaries

(Separate approval is required from Public Land Use, City Services (via Access Canberra Phone 132 881)

Description N/A

Drawing Reference Numbers

Development satisfies control C25 of the DCC: ☐ **Yes** ☐ **No**

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the *waste transporter to* provide the service:

RESUSE AND RECYCLING OF DEMOLITION, EXCAVATION AND CONSTRUCTION WASTE

CONTROL C18 – WASTE CHUTES, COMPACTION OR OTHER EQUIPMENT

Details of reuse and recycling potential (on-site or off-site, or both) for demolition, excavation and construction waste

Description

*This information can be shown in **Table 3.1** (Demolition Waste) or **Table 3.2,** or both (Construction Waste) .*
***Tables 3.1** and **3.2** are over leaf.*

All construction waste to be sorted off site by commercial construction waste management contractor for sorting & recycling.

Drawing Reference Numbers	

Name and location of approved licensed sites for recycling, or reprocessing, or landfill, or all of these, for the disposal of demolition, excavation and construction waste materials

Description

*This information can be shown on **Table 3.1** (Demolition Waste) or **Table 3.2,** or both (Construction Waste) .*
***Tables 3.1** and **3.2** are over leaf.*

Licensed sites shown in Table 3.2

Development satisfies control C25 of the DCC: ☒ **Yes** ☐ **No**

WASTE & RECYCLING MANAGEMENT PLAN FORM FOR APPLICANTS

SECTION 3 – DEMOLITION, EXCAVATION AND CONSTRUCTION

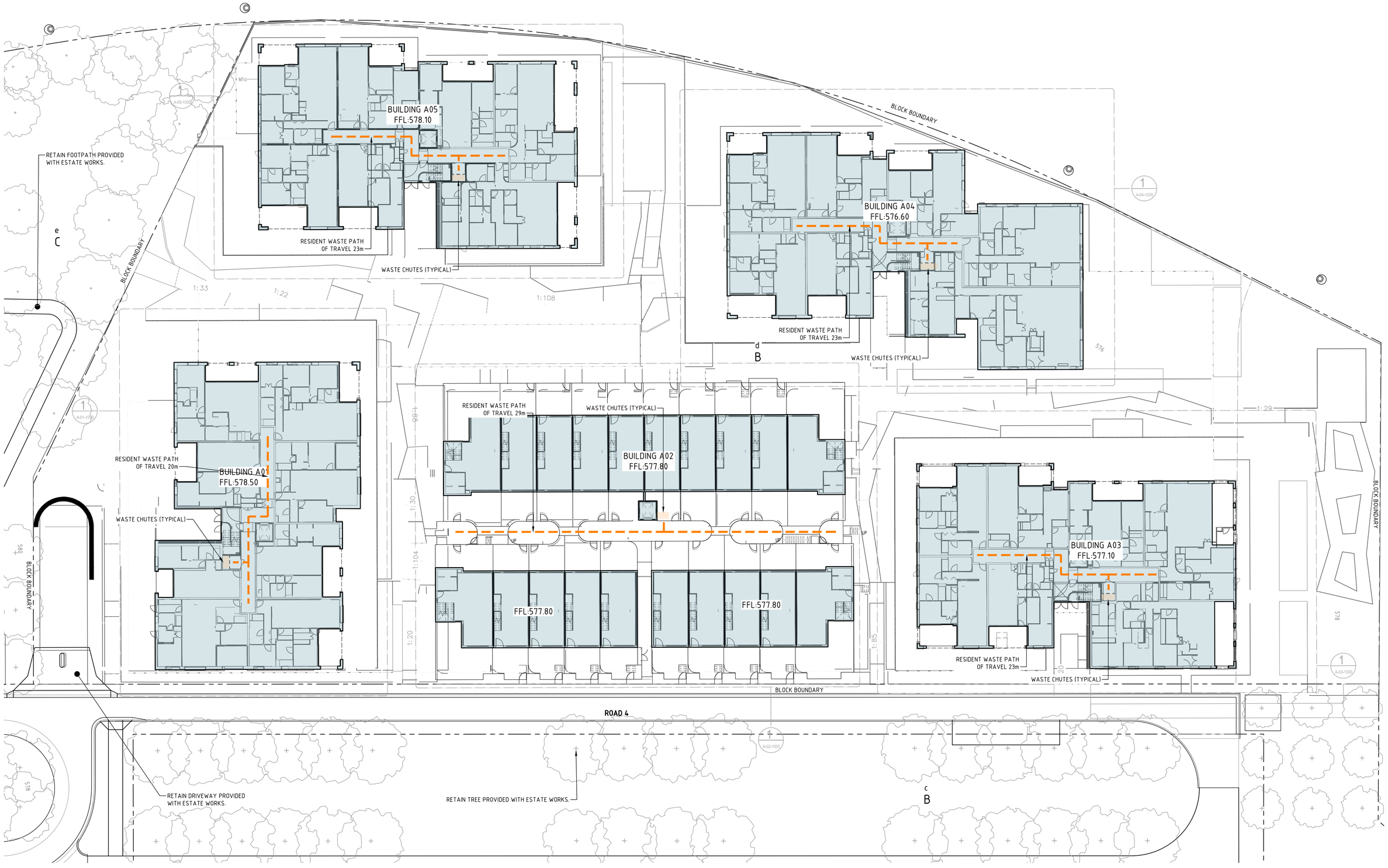
TABLE 3.1 – DEMOLITION WASTE

Type of Material Generated	Estimated		Actual (to be provided at WAE)		ON-SITE: Proposed Reuse and Recycling On-site	Estimated		Actual (to be provided at WAE)		OFF-SITE: Name of Receiving Recycling Outlets or Reuse Sites or Both	Estimated		Actual (to be provided at WAE)		DISPOSAL AT LANDFILL: Name of Landfill Site	Estimated		Actual (to be provided at WAE)	
	Vol (m^3)	Wt (T)	Vol (m^3)	Wt (T)		Vol (m^3)	Wt (T)	Vol (m^3)	Wt (T)		Vol (m^3)	Wt (T)	Vol (m^3)	Wt (T)		Vol (m^3)	Wt (T)	Vol (m^3)	Wt (T)
Excavation Material																			
Bricks																			
Concrete																			
Timber (specify)																			
Plasterboard/Gyprock																			
Metals (specify)																			
Cardboard																			
Plastics																			
Mixed Waste																			
Other (specify)																			
Total																			
Percentage of Total																			

TABLE 3.2 – CONSTRUCTION WASTE

Type of Material Generated	Estimated		Actual (to be provided at WAE)		ON-SITE: Proposed Reuse and Recycling On-site	Estimated		Actual (to be provided at WAE)		OFF-SITE: Name of Receiving Recycling Outlets or Reuse Sites or Both	Estimated		Actual (to be provided at WAE)		DISPOSAL AT LANDFILL: Name of Landfill Site	Estimated		Actual (to be provided at WAE)	
	Vol (m^3)	Wt (T)	Vol (m^3)	Wt (T)		Vol (m^3)	Wt (T)	Vol (m^3)	Wt (T)		Vol (m^3)	Wt (T)	Vol (m^3)	Wt (T)		Vol (m^3)	Wt (T)	Vol (m^3)	Wt (T)
Excavation Material	tbc																		
Bricks																			
Concrete	150									Canberra Construction									
Timber (specify)	1000									Canberra Construction									
Plasterboard/Gyprock	450									Canberra Construction									
Metals (specify)	50									Canberra Construction									
Cardboard																			
Plastics	100									Canberra Construction									
Mixed Waste	250									Canberra Construction									
Other (specify)																			
Total	2000																		
Percentage of Total																			

ANNEXURE C – CIVIL WASTE DRAWINGS



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Rev	Description	Date	Drawn By
B	FOR DEVELOPMENT APPROVAL	25.09.2023	MN
A	FOR DEVELOPMENT APPROVAL	07.09.2023	MN

Scales: 0 5 7.5 10 12.5m — 1:250 @ A1

North

sellick consultants Est. 1965
canberra | sydney
ABN 82 634 296 629

Client Logo: DOMA

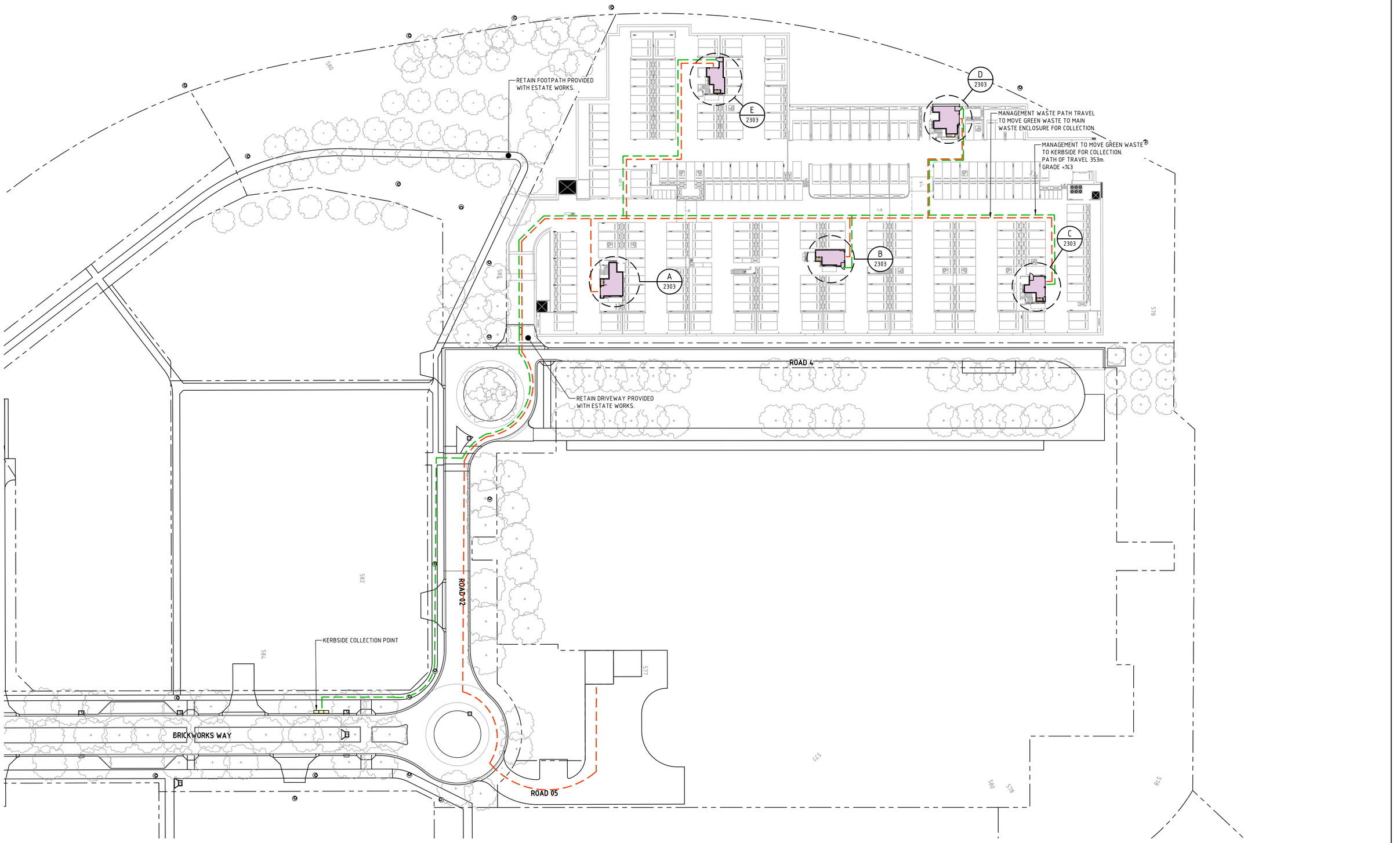
Status: NOT FOR CONSTRUCTION

Original Size	A1	Drawn By MN	Drafting Check DA
Date Plotted	25-Sep-23	Designed By AE	Design Check
Coordinate System	STROMLO GRID	Approved AE	Approved Date
Height Datum	AHD	Approved Signature	

Project Name and Location: YARRALUMLA BRICKWORKS-PRECINCT 1
BLOCK d SECTION B YARRALUMLA, ACT

Drawing Title: WASTE MANAGEMENT PLAN
SHEET 1

Project Number	Type	Discipline	Sub-Discipline	Drg No.	Rev
201000	DRG	CIV	WM	2301	B



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Rev	Description	Date	Drawn By
B	FOR DEVELOPMENT APPROVAL	25.09.2023	MN
A	FOR DEVELOPMENT APPROVAL	07.09.2023	MN

Scales: 0 10 15 20 25m — 1:500 @ A1

North

sellick consultants Est. 1965
canberra | sydney
ABN 82 634 296 629

Client Logo: DOMA

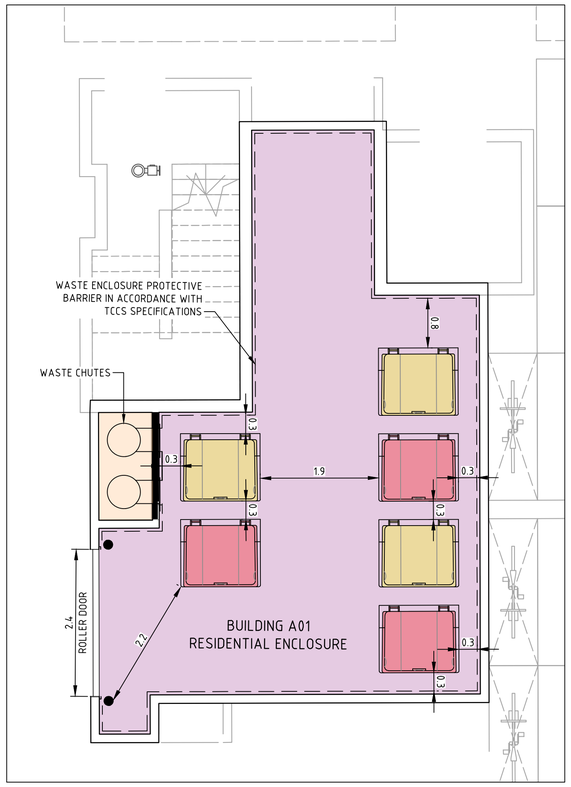
Status: NOT FOR CONSTRUCTION

Original Size	A1	Drawn By: MN	Drafting Check: DA
Date Plotted	25-Sep-23	Designed By: AE	Design Check
Coordinate System	STROMLO GRID	Approved: AE	Approved Date
Height Datum	AHD	Approved Signature	

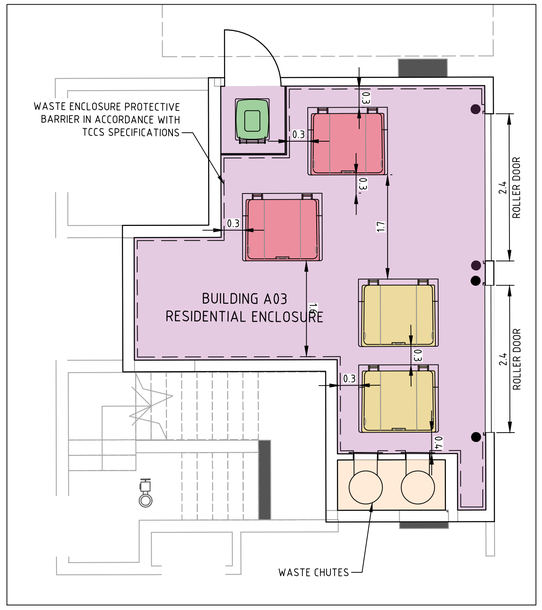
Project Name and Location: YARRALUMLA BRICKWORKS-PRECINCT 1
BLOCK d SECTION B YARRALUMLA, ACT

Drawing Title: WASTE MANAGEMENT PLAN SHEET 2

Project Number	Type	Discipline	Sub-Discipline	Drg No.	Rev
201000	DRG	CIV	WM	2302	B

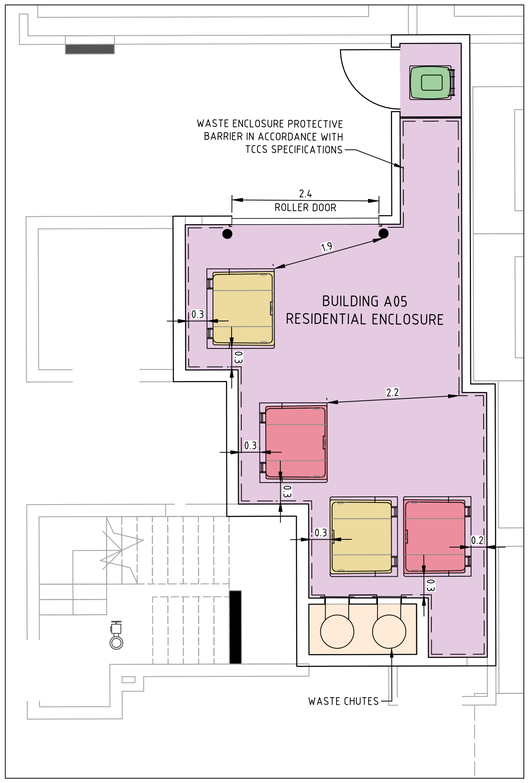


DETAIL A
SCALE 1:50



DETAIL C
SCALE 1:50

DETAIL D
SCALE 1:50



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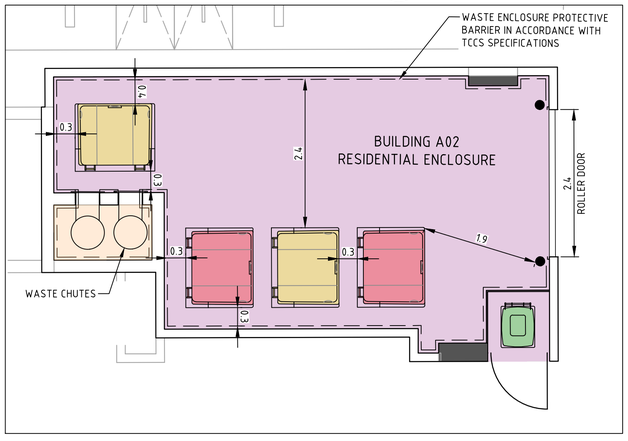
SCALE 1:50



DETAIL B
SCALE 1:50

WASTE REQUIREMENTS

RESIDENTIAL

NO. OF BEDS	NO. OF UNITS	WASTE/UNIT /WEEK (LITRES)	TOTAL WASTE (m^3)	BIN SIZE	NO. OF COLLECTIONS PER WEEK	WEEKLY CAPACITY (m^3)
4B	7	140	**0.98**	7 x $1.1m^3$	2	15.40
3B	41	120	**4.92**			
2B	80	100	**8.00**			
1B+S	0	90	**0.00**			
1B	1	80	**0.08**			
TOTAL	129		13.98			

RECYCLING REQUIREMENTS

RESIDENTIAL

NO. OF BEDS	NO. OF UNITS	RECYCLING/UNIT /WEEK (LITRES)	TOTAL RECYCLING (m^3)	BIN SIZE	NO. OF COLLECTIONS PER WEEK	WEEKLY CAPACITY (m^3)
4B	7	120	**0.84**	7 x $1.1m^3$	2	15.40
3B	41	110	**4.51**			
2B	80	90	**7.20**			
1B+S	0	80	**0.00**			
1B	1	70	**0.07**			
TOTAL	129		12.62			

GREEN WASTE REQUIREMENTS

RESIDENTIAL

BREAKUP		BIN SIZE	NO. OF COLLECTIONS/ WEEK
DWELLINGS WITH POS	0	3x $0.24m^3$	0.50
DWELLINGS WITHOUT POS	129		
TOTAL	129		

Rev	Description	Date	Drawn By
B	FOR DEVELOPMENT APPROVAL	25.09.2023	MN
A	FOR DEVELOPMENT APPROVAL	07.09.2023	MN

Scales: 0 1 1.5 2 2.5m — 1:50 @ A1

North

sellick consultants Est. 1965
canberra | sydney
ABN 82 634 296 629

Client Logo: DOMA

Status: NOT FOR CONSTRUCTION

Original Size	A1	Drawn By: MN	Drafting Check: DA
Date Plotted	25-Sep-23	Designed By: AE	Design Check
Coordinate System	STROMLO GRID	Approved: AE	Approved Date
Height Datum	AHD	Approved Signature	

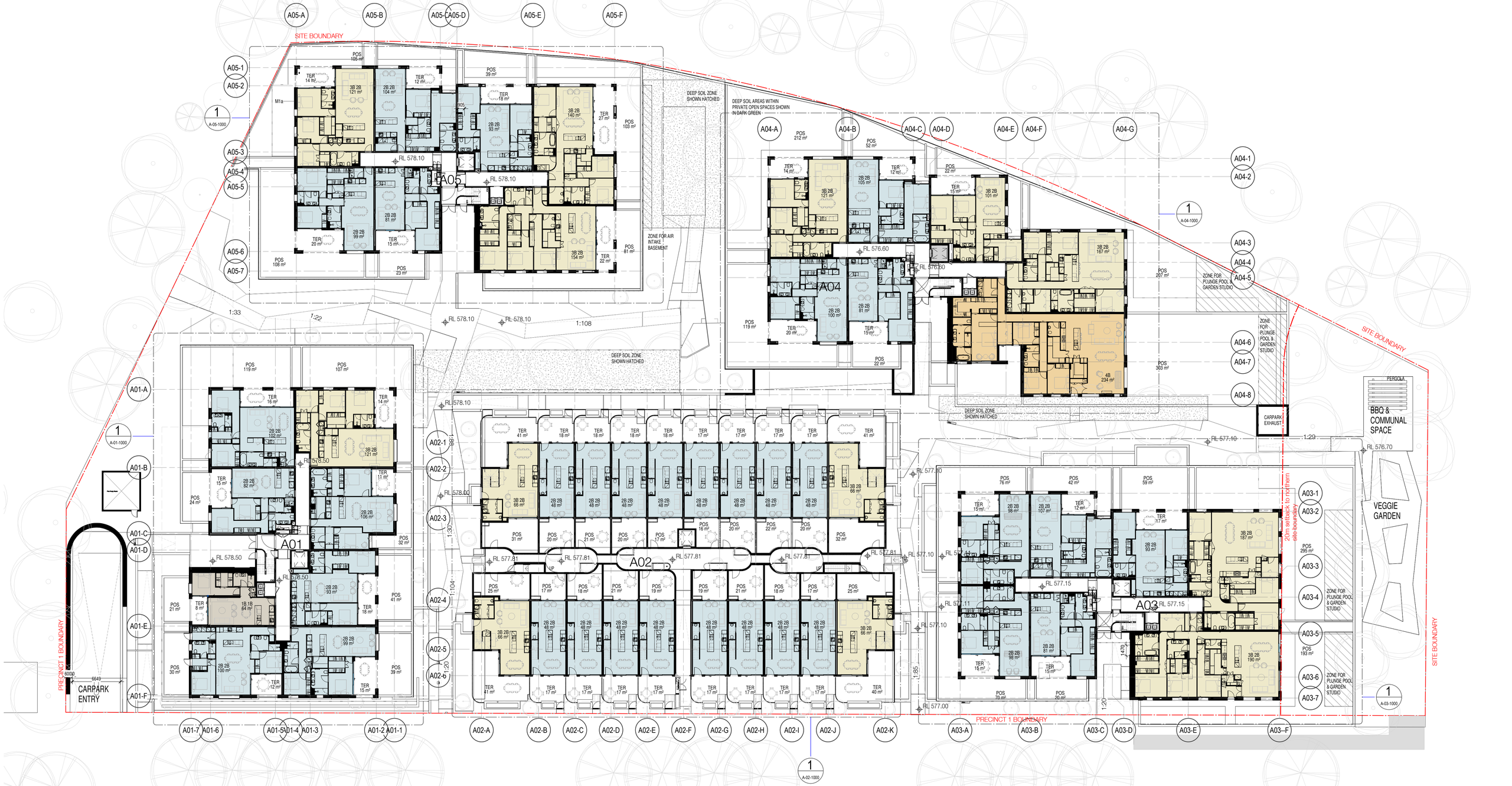
Project Name and Location: YARRALUMLA BRICKWORKS-PRECINCT 1
BLOCK d SECTION B YARRALUMLA, ACT

Drawing Title: WASTE MANAGEMENT DETAIL

Project Number	Type	Discipline	Sub-Discipline	Drg No.	Rev
201000	DRG	CIV	WM	2303	B

File Name: P:\2020\201000_Yarralumla-Brickworks-Site-A\04_CAD\4.2_Drawings\CIV\201000-drg-civ-wm-2303.dwg

ANNEXURE D – ARCHITECTURAL SITE PLAN



Nominated Architects: Adam Haddow-7188 | John Pradel-7004

FOR TENDER

Rev	Date	Revision	By	Chk.
1	10.01.2022	FOR INFORMATION	JL	EW
2	29.04.2022	FOR TENDER	SC	RY

Architect	SJB Architects	Structural Engineer	Sellick
Landscape Architect	McGregor Coxall	Hydraulic Engineer	THCS
Electrical Engineer	S4B	Town Planner	
Mechanical Engineer	S4B	Civil Engineer	Sellick
ESD Consultant			
DDA/Access Consultant			
Traffic Engineer			
BCA Consultant			

Client: DOMA

Project: BRICKWORKS Yarralumla, ACT 2600

Building: PRECINCT 1

Drawing Name: OVERALL GROUND FLOOR

Date	Scale	Sheet Size
29.04.2022	1 : 250	@ A1

Drawn	Chk.
Author	Checker

Job No.	Drawing No.	Revision
5479	A-00-0111	/ 2

SJB Architects
Level 2
490 Crown Street
Surry Hills NSW
2010 Australia
T 61 2 9380 9911
F 61 2 9380 9922
www.sjb.com.au

ANNEXURE E – ARCHITECTURAL WASTE DRAWINGS

CAR PARKING

TYPOLOGY	NO. OF UNITS	RATE	REQUIRED
1 Bed + 1 Bath	1	1	1
2 Bed + 2 Bath	80	2	160
3 Bed + 2 Bath	41	2	82
4 Bed + 2 Bath	7	3	21
TOTAL	129		264

PARKING TYPE	PROVIDED
Standard Residential	186
Adaptable Car Spaces	13
Garage Spaces	75
Motor Bike Parking	16
TOTAL	274

SITE BOUNDARY
PRECINCT 1 BOUNDARY
OUTLINE OF BUILDINGS ABOVE IN BLUE
XB1.A05.W
XB1.A04.W
XB1.A02.W
XB1.A01.W
XB1.A03.W
DEEP SOIL
STORAGE
PLANT
CARPARK EXHAUST ROOM
20m setback to northern site boundary
RL 575.00
RL 575.40
RL 574.70
RL 573.50
RL 574.00
1:8
1:20
6100
6600
6300
6250
6860
6060
6400
4800
3500
600
1200
1000

Nominated Architects: Adam Haddow-7188 | John Pradel-7004

FOR TENDER

Rev	Date	Revision	By	Chk.
1	10.01.2022	FOR INFORMATION	JL	EW
2	29.04.2022	FOR TENDER	SC	RY

Architect: SJB Architects
Landscape Architect: McGregor Coxall
Electrical Engineer: S4B
Mechanical Engineer: S4B
Structural Engineer: Sellick
Hydraulic Engineer: THCS
Town Planner:
Civil Engineer: Sellick
ESD Consultant:
DDA/Access Consultant:
Traffic Engineer:
BCA Consultant:

Client: DOMA

Project: BRICKWORKS Yarralumla, ACT 2600
Building: PRECINCT 1
Drawing Name: OVERALL BASEMENT

Date: 29.04.2022
Scale: As indicated
Sheet Size: @ A1
Drawn: Author
Chk.: Checker
Job No.: 5479
Drawing No.: A-00-0101
Revision: / 2

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ANNEXURE F – EDP WASTE OVERVIEW REPORT

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Est. 1965

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SELLICK CONSULTANTS PTY LTD
EDP WASTE OVERVIEW

Job Title: **Canberra Brickworks**

Job Location: **Blocks 1, 7 & 20 Section 102 Yarralumla**

Client: **Doma Group**

Reference #: **191148**

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Est. 1965
canberra | sydney

Project Details

For the Attention of:	Alex Moulis
	Doma Group Unit 4/3 Sydney Avenue Barton ACT 2600
Project No:	191148
Sellick Consultants Reference:	Blocks 1, 7 & 20 Section 102 Yarralumla, ACT Canberra Brickworks

Sellick Consultants Contact Details

Canberra Office:	Unit 122, Level 1, Mode 3 24 Lonsdale Street BRADDON ACT 2612 P: 02 6201 0200 F: 02 6247 2203 E: sellick@sellickconsultants.com.au
Sydney Office:	99 Mount St, Suite 1601, Level 16, North Sydney NSW 2060 PH: 02 6201 0200 E: sellick@sellickconsultants.com.au

Revision	Issue	Prepared By	Approved By	Date
A	Estate Development Plan	Ross Costello	Bernie Cusack	07/06/2021
B	Estate Development Plan	Ross Costello	Bernie Cusack	17/06/2022
C	Estate Development Plan	Bernie Cusack	Bernie Cusack	01/08/2023

CONTENTS

APPENDICES

1.0 INTRODUCTION

Sellick Consultants Pty Ltd on behalf of Doma Group has prepared this Waste Management Report for the proposed estate (including proposed multi-unit developments – MUD) on Blocks 1, 7 and 20 Section 102 Yarralumla. This report has been prepared in accordance with The Development Control Code for Best Practice Waste Management in the ACT 2019 (DCC 2019) where applicable. The purpose of this report is to present the proposed waste management strategy for the estate and future developments to TCCS to enable estate development plan (EDP) application endorsement of the proposal from a waste management perspective.

This submission is unique on account of the proposed community titling sub-division and incorporation of MUD waste servicing into the community title, along with having the same developer for the estate and individual MUDs. The proposal creates a single Territory collection point for waste collection of all MUDs in the community title. This design feature has been adopted to optimise MUD amenity and quality whilst optimising waste servicing efficiency for The Territory. Being an integrated waste management strategy at the estate and MUD block level, it is presented as a performance-based solution for waste management.

1.1 PROPOSED DEVELOPMENT

The proposed estate (refer drawing CIV-02-00 in Appendix A) consists of a subdivision comprising of individual residential house blocks, multi-unit development sites, and a single commercial site as summarised below.

SECTION	BLOCK	USE
A	A to q	Residential house blocks
B	a	Publicly accessible park
	b	Community facilities for community title
	c	Heritage core - commercial
	d	MUD
	e	Publicly accessible park
C	a to e	MUD
D	a and b	MUD
	c to y	Residential house blocks

A community title is to be created over the MUD sites and open spaces. Refer drawing CIV-05-00 in Appendix A. It is noted that for Block c Section B (the commercial heritage core) an access easement is to be created for access to the proposed residential waste RORO compactors.

1.2 RESIDENTIAL LAND USES

The development residential land uses consist of 8 different multi-unit residential blocks and single unit residential blocks. The multi-unit residential blocks range from ten units to 134 units, with a combined total of 340 units. All multi-unit sites are part of the community title and will have a centralised waste and recycling collection location within the community title for collection by the Territory Contractor. Transfer of residential waste from each MUD site to the centralised waste location will be the responsibility of each building manager. The single dwelling house blocks are

proposed to have kerbside collection undertaken by the Territory Contractor. The yield for the development is broken down in Table 1 below.

Table 1 – Proposed Development Residential Yield

SITE	NUMBER OF UNITS
Section B Block d	134
Section C Block a	22
Section C Block b	44
Section C Block c	10
Section C Block d	35
Section C Block e	43
Section D Block a	21
Section D Block b	31
Individual house blocks	40
SUBTOTAL	**380**

2.0 WASTE AND RECYCLING GENERATION RATES

The Development Control Code for Best Practice Waste Management in the ACT 2019 (DCC 2019) provides residential and commercial waste and recycling generation rates.

2.1 Residential

The residential rates, indicated in Table 2 below, and commercial rates in DCC 2019 Table 5.1, have been applied to the proposed development.

Table 2 – Residences' Waste and Recycling Generation Rates

APARTMENT	WEEKLY WASTE GENERATION RATE (LITRES)	WEEKLY RECYCLING GENERATION RATE (LITRES)
1 BEDROOM	80	70
1 BEDROOM + STUDY	90	80
2 BEDROOMS	100	90
3 BEDROOMS	120	110
4 BEDROOMS	140	120

Generation for each precinct being collected at the centralised collection location is shown in Table 3 below.

Table 3 – Summary of Residential Waste and Recycling Generation and Collection

SITE	WASTE m³/week	ALLOCATED BINS	COLLECTION FREQUENCY	RECYCLING m³/week	ALLOCATED BINS	COLLECTION FREQUENCY
Section B Block d	14.24	7x1.1m³	Twice Weekly	12.9	6x1.1m³	Twice Weekly
Section C Block a	2.64	3x1.1m³	Weekly	2.42	3x1.1m³	Weekly
Section C Block b	4.76	3x1.1m³	Twice Weekly	4.32	2x1.1m³	Twice Weekly
Section C Block c	1.20	2x1.1m³	Weekly	1.10	1x1.1m³	Weekly
Section C Block d	4.46	3x1.1m³	Twice Weekly	4.06	2x1.1m³	Twice Weekly
Section C Block e	4.20	4x1.1m³	Weekly	3.82	4x1.1m³	Weekly
Section D Block a	2.52	2x1.1m³	Weekly	2.31	2x1.1m³	Weekly
Section D Block b	3.72	4x1.1m³	Weekly	3.41	3x1.1m³	Weekly
TOTAL	**37.74**	**1x16m³ RORO***	**Weekly**	**34.34**	**1x16m³ RORO***	**Weekly**

*Roll-On Roll-Off compactors (RORO) are proposed to utilise 3:1 maximum compaction.

For the community title, the total volume of waste exceeds 36.0m³. Under the DCC 2019 it is required to service the site using Roll-on Roll-off compactors (RORO). Whilst the volume of recycling generation is just under 36.0m³, it is proposed to have recycling collected by RORO compactors also. This will provide greater collection efficiency for the Territory and greater amenity for the residents in the following ways:

- Zero manual handling for the Territory contractor.
- Single collection operation for Territory contractor per stream.
- Single weekly waste truck collection movement through the site for each waste stream.
- No interaction of residents with Territory waste/recycling collection operations.
- No disruption of resident vehicular access to basements and garaging of resident's vehicles.
- Colocation of residential waste collection with commercial servicing screened by buildings.

Refer to Appendix D for detailed breakdown of waste and recycling generation.

2.2 Commercial

Commercial waste generation and collection details are outlined in Table 4 below.

Table 4 -Summary of Commercial Waste and Recycling Generation and Collection

COMMERCIAL USE	WASTE	ALLOCATED BINS	COLLECTION FREQUENCY	RECYCLING	ALLOCATED BINS	COLLECTION FREQUENCY
FOOD AND BEVERAGE	56.69m^3/ week	10m^3 RORO Compactor*	Three Times Weekly	11.60m^3/ week	10m^3 RORO Compactor*	Weekly
OFFICE	3.76m^3/ week			4.70m^3/ week		
RETAIL	2.26m^3/ week			2.26m^3/ week		
GYM & WELLNESS	0.54m^3/ week			0.68m^3/ week		
TOTAL	**63.61m^3/ week**			**19.59m^3/ week**		

*Roll-On Roll-Off compactors (RORO) are proposed to utilise 3:1 maximum compaction.

Commercial tenancies will have shared waste and recycling RORO compactors that will be collected by a private waste management contractor organised by the site manager. A separate waste enclosure is provided for commercial waste facilities independent of the residential waste facility.

3.0 WASTE AND RECYCLING OPERATION MANAGEMENT PLAN

Waste and recycling generated from multi-unit precincts is proposed to be transferred to a single centralised enclosure located within the community title with a right of access provided for building managers and the Territory contractor to access. The building manager for each development will be responsible for waste transfer to the RORO compactors in the enclosure for collection by the Territory contractor.

3.1 INTERNAL RESIDENTIAL WASTE MANAGEMENT

Each residential MUD is to be designed in accordance with DCC 2019.

Waste is proposed to be managed by the MUD designated building manager. Residents of each precinct will be responsible for transferring waste and recycling from their units to the designated communal collection point within their development by way of chutes or direct deposit into hoppers.

Hoppers from each MUD will be taken by the building manager from the MUD waste enclosure to the central community titled waste enclosure within the heritage core. Transport of 1.1m3 waste and recycling hoppers will be facilitated by using a bin trailer (allowing multiple hoppers to be transported at a time) provided to the community title by the estate developer - refer Figure 1 below for trailer example. It is noted that the trailer and vehicle towing the trailer will have to be registered vehicles to travel on the road (Brickworks Way – Road 01) between the waste enclosure and MUDs.

Two RORO compactors are proposed to be located at the central waste and recycling enclosure location, one each for waste and recycling. Hoppers transferred from the precincts will be emptied into the RORO compactors, using a mechanical bin lifter, before being returned to the MUD of origin.

Each MUD will be provided with sufficient float hoppers to ensure continuous waste servicing for residents during waste transfer periods.

Figure 1: Aluminium Trailer from SPACEPAC Solutions

Single dwelling residential blocks are proposed to take standard residential MGB's from their storage locations within the block to their fronting road for kerbside collection by the Territory contractor. Each block is a maximum 75m away from the kerb location, with travel grades less than 1:10 for each dwelling.

Refer EDP Waste Collection Plan – Residential – CIV-24-00 in Appendix A.

3.2 SITE ACCESS

Road 01 within the estate provides vehicle access to MUDs as well as the Heritage Core (Block c Section B) containing the central waste enclosure. An internal access laneway (Road 05) provides access to the central waste enclosure, where the RORO compactors reside. A right of access to the waste enclosure is provided for waste collection vehicles and building managers to ensure access to the enclosure for both building managers and the Territory contractor. The collection area has been designed to allow waste collection and loading vehicles to do a three-point turn within the designated loading area, allowing vehicles to enter and exit the waste collection area in a forward direction.

Road 07 as well as Road 03 (accessed through Bentham Street for the northern section and Denman Street for the southern section) provides kerbside waste collection vehicle access to the single dwelling residential blocks. Verge space along Roads 03 and 07 facilitate MGB placement for kerbside collection. Cul-de-sacs have been designed with an 8.5m radius turning head in accordance with the Estate Development Code (EDC).

3.3 TERRITORY COLLECTION OPERATIONS

Territory collection operations will consist of two different collection requirements, combined collection for multi-unit precincts and kerbside collection for single dwelling residential blocks.

Collection for the multi-unit residential sites within the community title will consist of one 16m^3 waste RORO and one 16m^3 recycling RORO, each weekly. Collection will occur at the central waste enclosure within the Heritage Core. The proposed collection location for the RORO compactors has been designed to be separate and independent from the Heritage Core commercial waste enclosure. A right of access is provided to ensure access to the waste enclosure.

Collection for the single dwelling residential blocks is proposed to be by standard kerbside collection by the Territory's designated contractor. Single dwellings residential blocks are proposed to be collected off the proposed Road 03 and Road 07.

Territory collection operations are proposed as deemed to satisfy under the DCC 2019, with the use of RORO compactors to be presented to TCCS prior to development application for pre-development application approval.

3.4 COMMERCIAL COLLECTION OPERATIONS

Commercial waste and recycling storage for the Heritage Core precinct is proposed to be in the centralised commercial waste enclosure, adjacent but separate to the residential RORO compactor collection location. The collection area is sized accommodate the commercial RORO compactors for combined waste and recycling streams.

Waste and recycling from the commercial tenancies is to be transported from each tenancy to the waste and recycling storage enclosure by the tenants. Collection of waste and recycling RORO compactors is proposed to be by a designated private waste collection contractor.

4.0 CONCLUSION

The proposed development's waste and recycling management process has been undertaken in accordance with the relevant parts of the Development Control Code for Best Practice Waste Management in the ACT 2019, noting requirement for RORO pre-approval as a performance-based solution by ACT NoWaste outlined.

The waste and recycling management process for the estate development is recommended for Pre-Development Application endorsement by TCCS.

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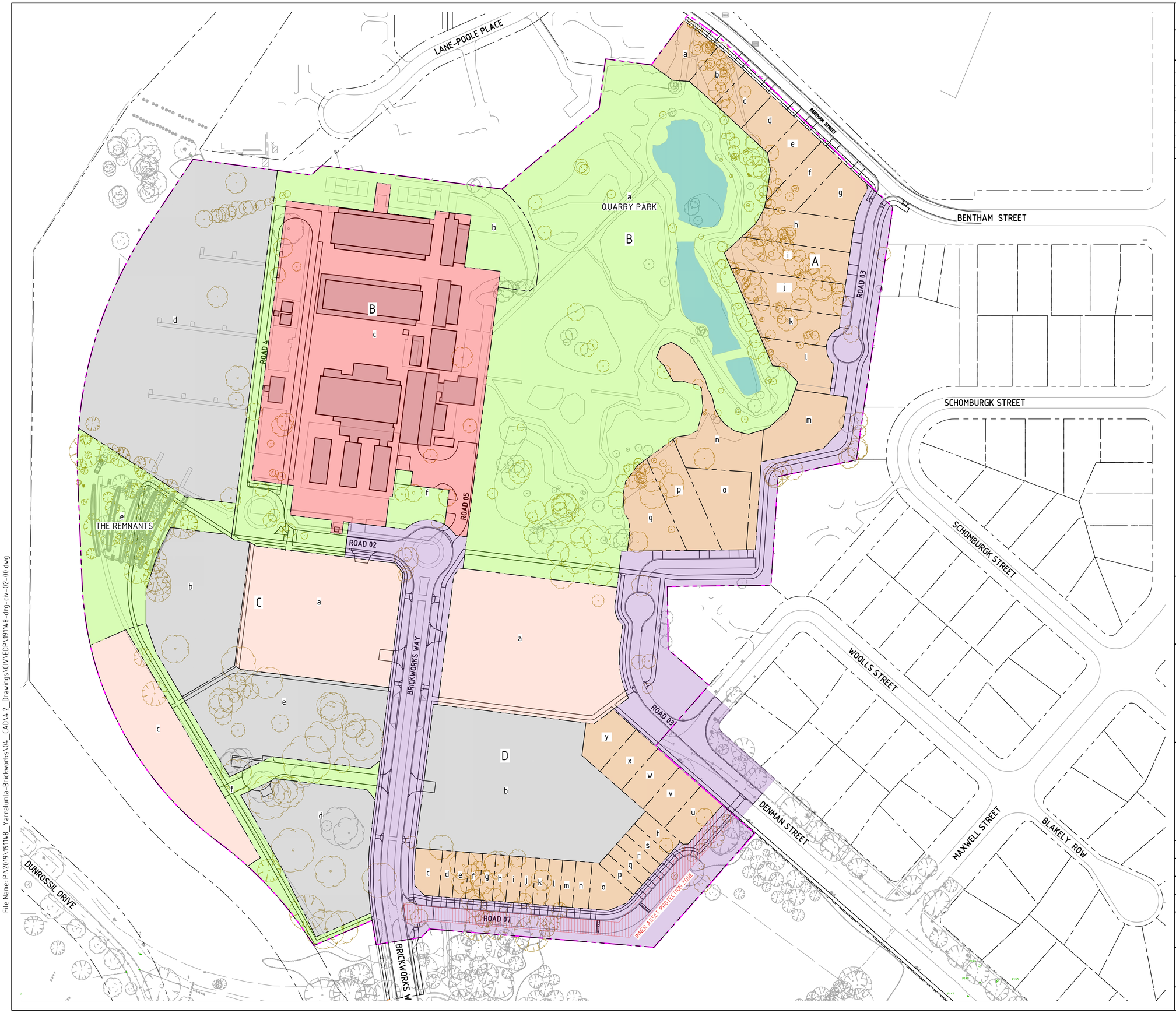
APPENDIX A

Estate Plans



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NOT FOR CONSTRUCTION

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T	EDP SUBMISSION	31.07.2023	MN
S	EDP SUBMISSION	10.07.2023	MN
R	EDP SUBMISSION	22.06.2023	RT
Q	EDP SUBMISSION	16.06.2023	RT
P	EDP DRAFT REVIEW	14.06.2023	RT
O	EIS COMMENTS ADDRESSED	11.10.2022	RT
N	EDP SUBMISSION	20.07.2022	RT

LEGEND

- HOLDING LEASE BOUNDARY
- PROPOSED BLOCK BOUNDARY
- EXISTING TREE TO BE REMOVED
- EXISTING TREE TO RETAINED
- 580.0 PROPOSED CONTOUR
- 580.0 EXISTING CONTOUR
- MULTI UNIT- APARTMENT TYPOLOGY
- MULTI UNIT - TERRACE TYPOLOGY
- SINGLE DWELLING LOTS
- COMMUNITY TITLED LAND
- ROAD RESERVE
- HERITAGE PRECINCT

Scales

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ABN 82 634 296 629

Client Logo

DOMA

Original Size	A1	Drawn By DA	Drafting Check DCA
Date Plotted	31-Jul-23	Designed By AE	Design Check BC
Coordinate System	STROMLO GRID	Approved BC	Approved Date 16/12/2019
Height Datum	AHD	Approved Signature	

Project Name and Location

THE CANBERRA BRICKWORKS

BLOCKS 1,7 & 20 SECTION 102

Drawing Title

EDP - ESTATE DEVELOPMENT PLAN

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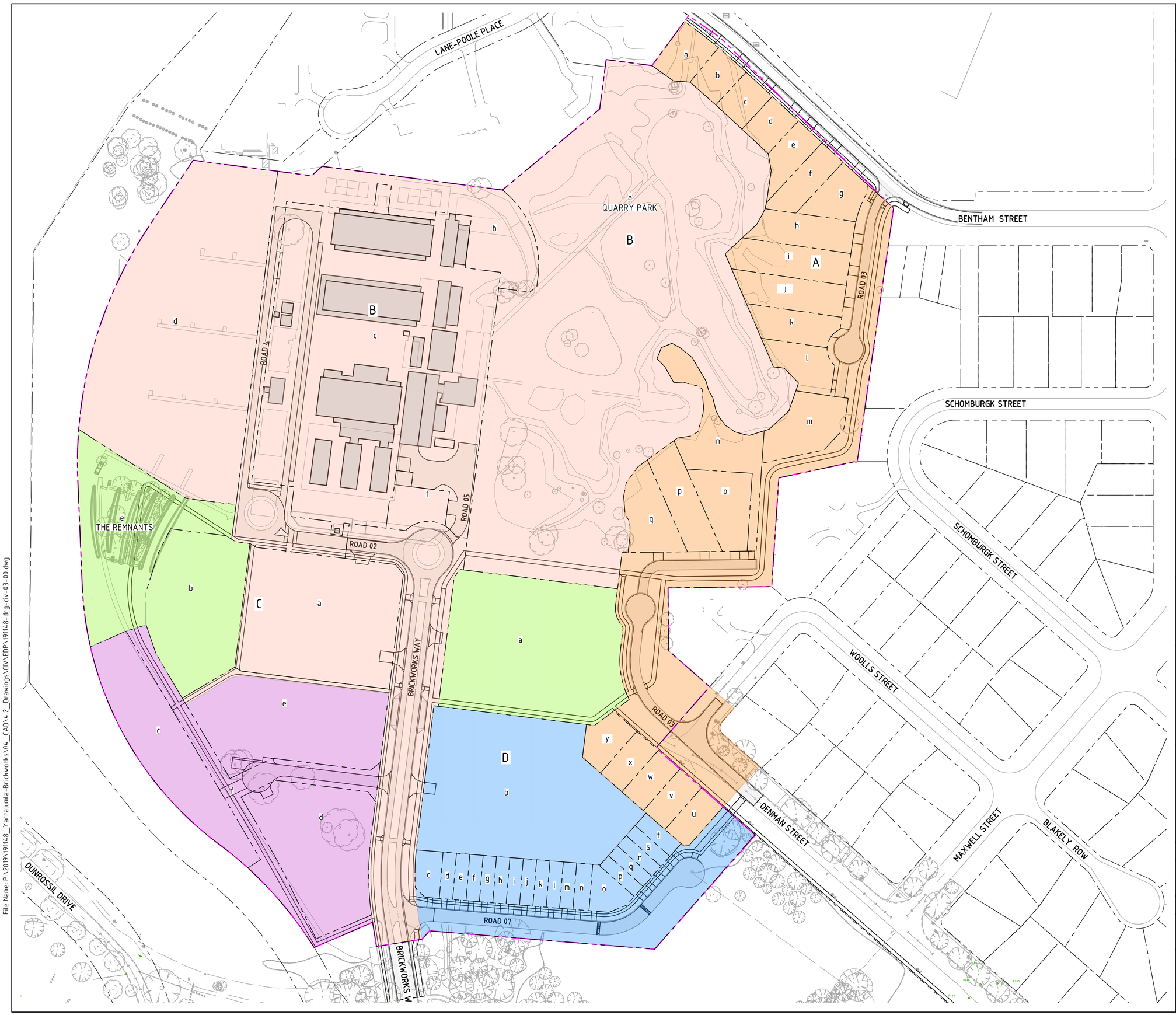

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L	EDP SUBMISSION	16.06.2023	RT
K	EDP DRAFT REVIEW	14.06.2023	RT
J	EIS COMMENTS ADDRESSED	11.10.2022	RT
I	EDP SUBMISSION	20.07.2022	RT

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- HOLDING LEASE BOUNDARY
- PROPOSED BLOCK BOUNDARY
- EXISTING TREE TO BE REMOVED
- EXISTING TREE TO RETAINED
- 580.0 PROPOSED CONTOUR
- 580.0 EXISTING CONTOUR

ITEM	STAGE
HERITAGE CORE	1A
QUARRY PARK	1A
RAILWAY REMNANTS	2A
HOUSING BLOCKS	1B
PRECINCT 1 UNITS/TERRACES	1A
PRECINCT 2 TOWNHOUSES	2A
PRECINCT 3 TOWNHOUSES	1A
PRECINCT 4 UNITS	2A
PRECINCT 5 UNITS	2C
PRECINCT 6 TERRACES	2B
PRECINCT 7 TERRACES	2B
PRECINCT 8 TOWNHOUES	2C

Scales

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Client Logo

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Project Name and Location

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BLOCKS 1,7 & 20 SECTION 102

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B	EDP SUBMISSION	22.06.2023	RT
A	EDP DRAFT REVIEW	15.06.2023	RT

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- COMMUNITY TITLE
- COMMUNITY TITLE ACCESS

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Height Datum	AHD	Approved Signature	

Project Name and Location

THE CANBERRA BRICKWORKS
BLOCKS 1,7 & 20 SECTION 102

Drawing Title

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COMMUNITY TITLED AREAS

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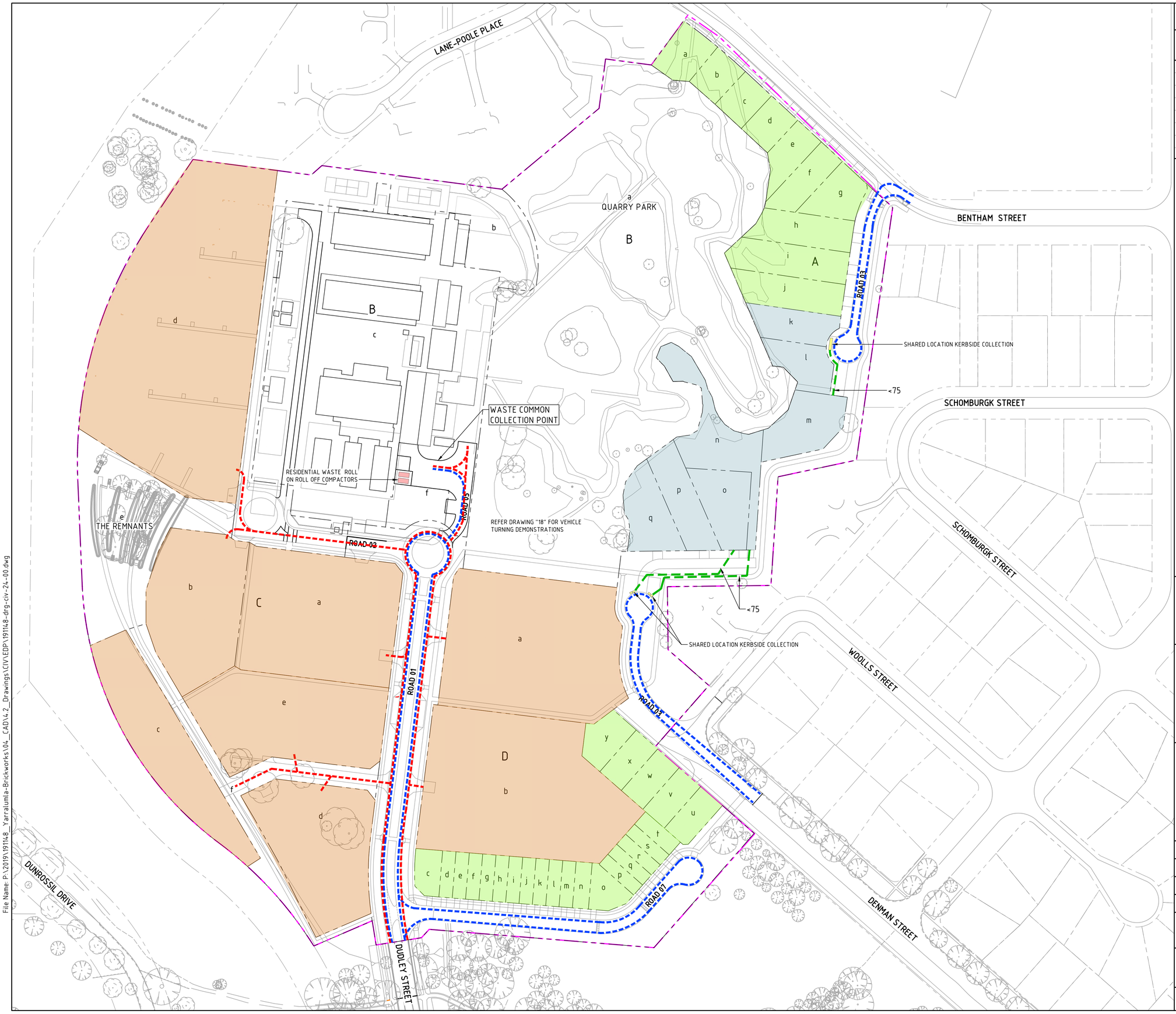
APPENDIX B

Estate Waste Management Plans



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O	EDP DRAFT REVIEW	14.06.2023	RT
N	EIS COMMENTS ADDRESSED	11.10.2022	RT

LEGEND

- HOLDING LEASE BOUNDARY
- PROPOSED BLOCK BOUNDARY
- EXISTING TREE TO BE REMOVED
- EXISTING TREE TO RETAINED
- 580.0 PROPOSED CONTOUR
- 580.0 EXISTING CONTOUR
- KERBSIDE COLLECTION
- SHARED LOCATION KERBSIDE COLLECTION
- MULTI-UNIT BUILDING MANAGER TO COLLECT WASTE AND TRANSFER TO COMMON COLLECTION POINT
- COMMERCIAL BUILDING MANAGER TO COLLECT WASTE AND TRANSFER TO COMMON COLLECTION POINT
- RESIDNETIAL COLLECTION (ROLL-ON ROLL-OFF COMPACTOR)
- COMMERCIAL COLLECTION (ROLL-ON ROLL-OFF COMPACTOR)
- SHARED LOCATION KERBSIDE COLLECTION POINT
- BIN CARTING DISTANCE
- BUILDING MANAGERS MOVEMENTS
- TERRITORY COLLECTION MOVEMENTS

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Height Datum	AHD	Approved Signature	

Project Name and Location

THE CANBERRA BRICKWORKS

BLOCKS 1,7 & 20 SECTION 102

Drawing Title

EDP - WASTE COLLECTION PLAN RESIDENTIAL

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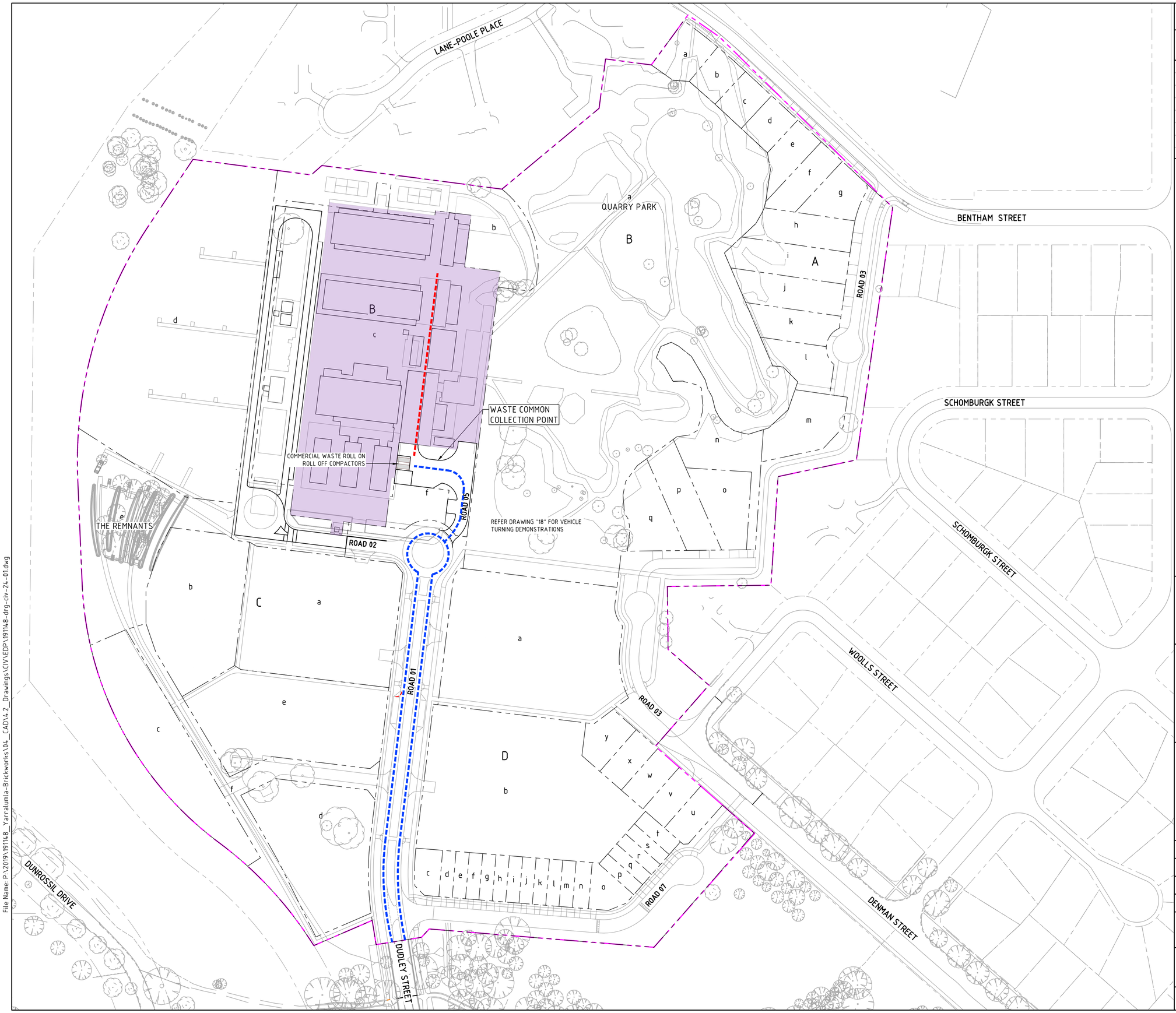

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- 580.0 EXISTING CONTOUR
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- SHARED LOCATION KERBSIDE COLLECTION
- MULTI-UNIT BUILDING MANAGER TO COLLECT WASTE AND TRANSFER TO COMMON COLLECTION POINT
- COMMERCIAL BUILDING MANAGER TO COLLECT WASTE AND TRANSFER TO COMMON COLLECTION POINT
- RESIDNETIAL COLLECTION (ROLL-ON ROLL-OFF COMPACTOR)
- COMMERCIAL COLLECTION (ROLL-ON ROLL-OFF COMPACTOR)
- SHARED LOCATION KERBSIDE COLLECTION POINT
- BIN CARTING DISTANCE
- BUILDING MANAGERS MOVEMENTS
- TERRITORY COLLECTION MOVEMENTS

Scales

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Height Datum	AHD	Approved Signature	

Project Name and Location

THE CANBERRA BRICKWORKS
BLOCKS 1,7 & 20 SECTION 102

Drawing Title

EDP - WASTE COLLECTION PLAN
COMMERCIAL

Project Number	Type	Discipline	Drg No.	Sub-No.	Rev
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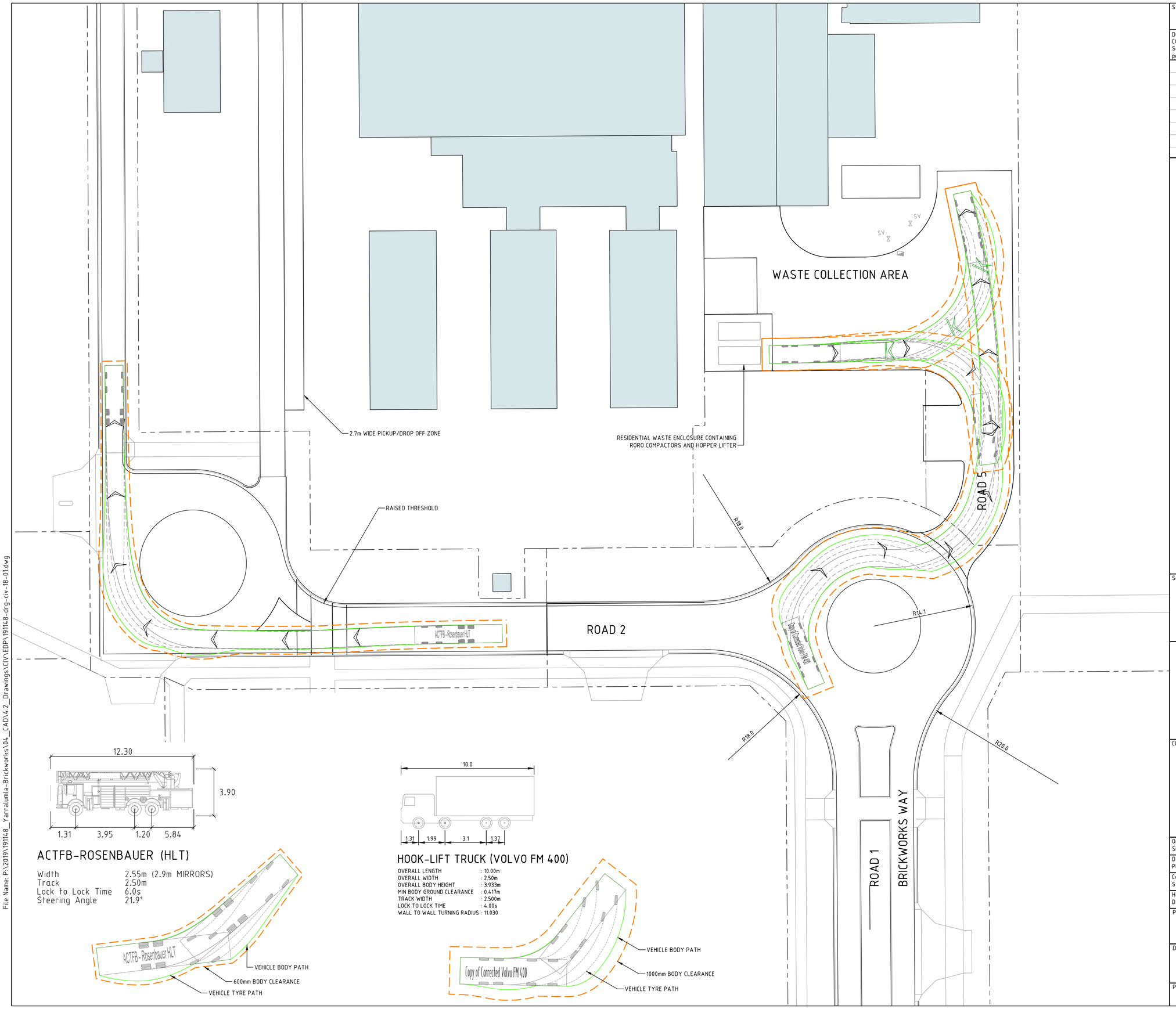
APPENDIX C

Swept Paths



ACTFB-ROSENBAUER (HLT)

Width	2.55m (2.9m MIRRORS)
Track	2.50m
Lock to Lock Time	6.0s
Steering Angle	21.9°

HOOK-LIFT TRUCK (VOLVO FM 400)

OVERALL LENGTH	: 10.00m
OVERALL WIDTH	: 2.50m
OVERALL BODY HEIGHT	: 3.933m
MIN BODY GROUND CLEARANCE	: 0.417m
TRACK WIDTH	: 2.500m
LOCK TO LOCK TIME	: 4.00s
WALL TO WALL TURNING RADIUS	: 11.030

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R	EDP SUBMISSION	31.07.2023	MN
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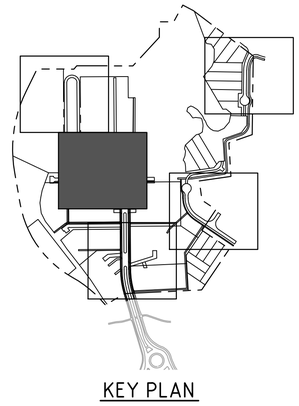

KEY PLAN

Scales

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ABN 82 634 296 629

Client Logo

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Date Plotted	10-Aug-23	Designed By AE	Design Check BC
Coordinate System	STROMLO GRID	Approved BC	Approved Date 16/12/2019
Height Datum	AHD	Approved Signature	

Project Name and Location

THE CANBERRA BRICKWORKS
BLOCKS 1,7 & 20 SECTION 102

Drawing Title

EDP - ROADS DETAIL AND VEHICLE DEMONSTRATIONS PLAN SHEET 1

Project Number	Type	Discipline	Drg No.	Sub-No.	Rev
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APPENDIX D

Residential Waste Calculations

Overall MUDs

ACT Government
Transport Canberra and City Services

Multi-unit residential development
Shared waste and recycling allocation calculator

Type of units by size	Waste (litres/week)			Recycling (litres/week)		
	Number of units	litres/week per unit	Total litres/week	Number of units	litres/week per unit	Total litres/week
1 bedroom or studio unit	1	80	80	1	70	70
1 bedroom with separate study room		90	0		80	0
2 bedroom unit	151	100	15,100	151	90	13,590
3 bedroom unit	188	120	22,560	188	110	20,680
4 bedroom unit or greater		140	0		120	0
Total calculated waste			**37,740**			**34,340**

**NB: Standard allocations updated as of 1 February 2019*
**NB: If the calculated waste volume in litres/week exceeds 36,000, compactors MUST be used.*

Shared waste allocation calculated as per assumptions above

Calculated waste volume (litres/week)	Waste hopper quantity			Service frequency*
	1.5 m^3	2 m^3	3m^3	
37,740	**0**	**0**	**0**	**Compactors are required**

Scenario 2 (only applicable to total calculated waste volume greater than 22,351 litres/week)

Calculated waste volume (litres/week)	Waste hopper quantity			Service frequency*
	1.5 m^3	2 m^3	3m^3	
37,740	**0**	**0**	**0**	**Compactors are required**

Shared recycling allocation calculated as per assumptions above

Calculated recycling volume (litres/week)	Recycling hopper quantity	Service frequency*
	1,100L	
34,340	**11**	**Three times/week (see note 2)**

Scenario 2 (only applicable to total calculated recycling volume greater than 22,001 litres/week)

Calculated recycling volume (litres/week)	Recycling hopper quantity	Service frequency*
	1,100L	
34,340	**17**	**Twice weekly**

**Note 1: This calculator does not apply if the option of shared MGBs with kerbside collection is available.*
**Note 2: Developments where sufficient waste is generated as per the above may be entitled to three (3) times a week collection only in those areas where three (3) times a week collection is already provided. Availability of this limited service is subject to operational considerations and may not be available in all areas. Three (3) times a week collection requires Place Coordination's approval in writing at the pre-application stage. In cases where a three (3) times a week collection cannot be provided, the development must be able to accommodate sufficient waste and recycling storage space to accommodate twice a week collection.*

Precinct 1 block d section B

ACT Government
Transport Canberra and City Services

Multi-unit residential development
Shared waste and recycling allocation calculator

Type of units by size	Waste (litres/week)			Recycling (litres/week)		
	Number of units	litres/week per unit	Total litres/week	Number of units	litres/week per unit	Total litres/week
1 bedroom or studio unit	1	80	80	1	70	70
1 bedroom with separate study room		90	0		80	0
2 bedroom unit	90	100	9,000	90	90	8,100
3 bedroom unit	43	120	5,160	43	110	4,730
4 bedroom unit or greater		140	0		120	0
Total calculated waste			**14,240**			**12,900**

**NB: Standard allocations updated as of 1 February 2019*
**NB: If the calculated waste volume in litres/week exceeds 36,000, compactors MUST be used.*

Shared waste allocation calculated as per assumptions above

Calculated waste volume (litres/week)	Waste hopper quantity			Service frequency*
	1.5 m^3	2 m^3	3m^3	
14,240	**0**	**2**	**1**	**Twice weekly**

Scenario 2 (only applicable to total calculated waste volume greater than 22,351 litres/week)

Calculated waste volume (litres/week)	Waste hopper quantity			Service frequency*
	1.5 m^3	2 m^3	3m^3	
0	**0**	**0**	**0**	

Shared recycling allocation calculated as per assumptions above

Calculated recycling volume (litres/week)	Recycling hopper quantity	Service frequency*
	1,100L	
12,900	**6**	**Twice weekly**

Scenario 2 (only applicable to total calculated recycling volume greater than 22,001 litres/week)

Calculated recycling volume (litres/week)	Recycling hopper quantity	Service frequency*
	1,100L	
0	**0**	

**Note 1: This calculator does not apply if the option of shared MGBs with kerbside collection is available.*
**Note 2: Developments where sufficient waste is generated as per the above may be entitled to three (3) times a week collection only in those areas where three (3) times a week collection is already provided. Availability of this limited service is subject to operational considerations and may not be available in all areas. Three (3) times a week collection requires Place Coordination's approval in writing at the pre-application stage. In cases where a three (3) times a week collection cannot be provided, the development must be able to accommodate sufficient waste and recycling storage space to accommodate twice a week collection.*

Precinct 2 block a section D

ACT Government
Transport Canberra and City Services

Multi-unit residential development
Shared waste and recycling allocation calculator

Type of units by size	Waste (litres/week)			Recycling (litres/week)		
	Number of units	litres/week per unit	Total litres/week	Number of units	litres/week per unit	Total litres/week
1 bedroom or studio unit		80	0		70	0
1 bedroom with separate study room		90	0		80	0
2 bedroom unit		100	0		90	0
3 bedroom unit	21	120	2,520	21	110	2,310
4 bedroom unit or greater		140	0		120	0
Total calculated waste			**2,520**			**2,310**

**NB: Standard allocations updated as of 1 February 2019*
**NB: If the calculated waste volume in litres/week exceeds 36,000, compactors MUST be used.*

Shared waste allocation calculated as per assumptions above

Calculated waste volume (litres/week)	Waste hopper quantity			Service frequency*
	1.5 m^3	2 m^3	3m^3	
2,520	**0**	**0**	**1**	**Weekly**

Scenario 2 (only applicable to total calculated waste volume greater than 22,351 litres/week)

Calculated waste volume (litres/week)	Waste hopper quantity			Service frequency*
	1.5 m^3	2 m^3	3m^3	
0	**0**	**0**	**0**	

Shared recycling allocation calculated as per assumptions above

Calculated recycling volume (litres/week)	Recycling hopper quantity	Service frequency*
	1,100L	
2,310	**3**	**Weekly**

Scenario 2 (only applicable to total calculated recycling volume greater than 22,001 litres/week)

Calculated recycling volume (litres/week)	Recycling hopper quantity	Service frequency*
	1,100L	
0	**0**	

**Note 1: This calculator does not apply if the option of shared MGBs with kerbside collection is available.*
**Note 2: Developments where sufficient waste is generated as per the above may be entitled to three (3) times a week collection only in those areas where three (3) times a week collection is already provided. Availability of this limited service is subject to operational considerations and may not be available in all areas. Three (3) times a week collection requires Place Coordination's approval in writing at the pre-application stage. In cases where a three (3) times a week collection cannot be provided, the development must be able to accommodate sufficient waste and recycling storage space to accommodate twice a week collection.*

Precinct 3 block a section C

ACT Government
Transport Canberra and City Services

Multi-unit residential development
Shared waste and recycling allocation calculator

Type of units by size	Waste (litres/week)			Recycling (litres/week)		
	Number of units	litres/week per unit	Total litres/week	Number of units	litres/week per unit	Total litres/week
1 bedroom or studio unit		80	0		70	0
1 bedroom with separate study room		90	0		80	0
2 bedroom unit		100	0		90	0
3 bedroom unit	22	120	2,640	22	110	2,420
4 bedroom unit or greater		140	0		120	0
Total calculated waste			**2,640**			**2,420**

**NB: Standard allocations updated as of 1 February 2019*
**NB: If the calculated waste volume in litres/week exceeds 36,000, compactors MUST be used.*

Shared waste allocation calculated as per assumptions above

Calculated waste volume (litres/week)	Waste hopper quantity			Service frequency*
	1.5 m^3	2 m^3	3m^3	
2,640	**0**	**0**	**1**	**Weekly**

Scenario 2 (only applicable to total calculated waste volume greater than 22,351 litres/week)

Calculated waste volume (litres/week)	Waste hopper quantity			Service frequency*
	1.5 m^3	2 m^3	3m^3	
0	**0**	**0**	**0**	

Shared recycling allocation calculated as per assumptions above

Calculated recycling volume (litres/week)	Recycling hopper quantity	Service frequency*
	1,100L	
2,420	**3**	**Weekly**

Scenario 2 (only applicable to total calculated recycling volume greater than 22,001 litres/week)

Calculated recycling volume (litres/week)	Recycling hopper quantity	Service frequency*
	1,100L	
0	**0**	

**Note 1: This calculator does not apply if the option of shared MGBs with kerbside collection is available.*
**Note 2: Developments where sufficient waste is generated as per the above may be entitled to three (3) times a week collection only in those areas where three (3) times a week collection is already provided. Availability of this limited service is subject to operational considerations and may not be available in all areas. Three (3) times a week collection requires Place Coordination's approval in writing at the pre-application stage. In cases where a three (3) times a week collection cannot be provided, the development must be able to accommodate sufficient waste and recycling storage space to accommodate twice a week collection.*

Precinct 4 block b section C

ACT Government
Transport Canberra and City Services

Multi-unit residential development
Shared waste and recycling allocation calculator

Type of units by size	Waste (litres/week)			Recycling (litres/week)		
	Number of units	litres/week per unit	Total litres/week	Number of units	litres/week per unit	Total litres/week
1 bedroom or studio unit		80	0		70	0
1 bedroom with separate study room		90	0		80	0
2 bedroom unit	26	100	2,600	26	90	2,340
3 bedroom unit	18	120	2,160	18	110	1,980
4 bedroom unit or greater		140	0		120	0
Total calculated waste			**4,760**			**4,320**

**NB: Standard allocations updated as of 1 February 2019*
**NB: If the calculated waste volume in litres/week exceeds 36,000, compactors MUST be used.*

Shared waste allocation calculated as per assumptions above

Calculated waste volume (litres/week)	Waste hopper quantity			Service frequency*
	1.5 m^3	2 m^3	3m^3	
4,760	**0**	**1**	**1**	**Weekly**

Scenario 2 (only applicable to total calculated waste volume greater than 22,351 litres/week)

Calculated waste volume (litres/week)	Waste hopper quantity			Service frequency*
	1.5 m^3	2 m^3	3m^3	
0	**0**	**0**	**0**	

Shared recycling allocation calculated as per assumptions above

Calculated recycling volume (litres/week)	Recycling hopper quantity	Service frequency*
	1,100L	
4,320	**4**	**Weekly**

Scenario 2 (only applicable to total calculated recycling volume greater than 22,001 litres/week)

Calculated recycling volume (litres/week)	Recycling hopper quantity	Service frequency*
	1,100L	
0	**0**	

**Note 1: This calculator does not apply if the option of shared MGBs with kerbside collection is available.*
**Note 2: Developments where sufficient waste is generated as per the above may be entitled to three (3) times a week collection only in those areas where three (3) times a week collection is already provided. Availability of this limited service is subject to operational considerations and may not be available in all areas. Three (3) times a week collection requires Place Coordination's approval in writing at the pre-application stage. In cases where a three (3) times a week collection cannot be provided, the development must be able to accommodate sufficient waste and recycling storage space to accommodate twice a week collection.*

Precinct 5 block d & e section C

ACT Government
Transport Canberra and City Services

Multi-unit residential development
Shared waste and recycling allocation calculator

Type of units by size	Waste (litres/week)			Recycling (litres/week)		
	Number of units	litres/week per unit	Total litres/week	Number of units	litres/week per unit	Total litres/week
1 bedroom or studio unit		80	0		70	0
1 bedroom with separate study room		90	0		80	0
2 bedroom unit	35	100	3,500	35	90	3,150
3 bedroom unit	43	120	5,160	43	110	4,730
4 bedroom unit or greater		140	0		120	0
Total calculated waste			**8,660**			**7,880**

**NB: Standard allocations updated as of 1 February 2019*
**NB: If the calculated waste volume in litres/week exceeds 36,000, compactors MUST be used.*

Shared waste allocation calculated as per assumptions above

Calculated waste volume (litres/week)	Waste hopper quantity			Service frequency*
	1.5 m^3	2 m^3	3m^3	
8,660	**0**	**1**	**1**	**Twice weekly**

Scenario 2 (only applicable to total calculated waste volume greater than 22,351 litres/week)

Calculated waste volume (litres/week)	Waste hopper quantity			Service frequency*
	1.5 m^3	2 m^3	3m^3	
0	**0**	**0**	**0**	

Shared recycling allocation calculated as per assumptions above

Calculated recycling volume (litres/week)	Recycling hopper quantity	Service frequency*
	1,100L	
7,880	**8**	**Weekly**

Scenario 2 (only applicable to total calculated recycling volume greater than 22,001 litres/week)

Calculated recycling volume (litres/week)	Recycling hopper quantity	Service frequency*
	1,100L	
0	**0**	

**Note 1: This calculator does not apply if the option of shared MGBs with kerbside collection is available.*
**Note 2: Developments where sufficient waste is generated as per the above may be entitled to three (3) times a week collection only in those areas where three (3) times a week collection is already provided. Availability of this limited service is subject to operational considerations and may not be available in all areas. Three (3) times a week collection requires Place Coordination's approval in writing at the pre-application stage. In cases where a three (3) times a week collection cannot be provided, the development must be able to accommodate sufficient waste and recycling storage space to accommodate twice a week collection.*

Precinct 6 block b section D

ACT Government
Transport Canberra and City Services

Multi-unit residential development
Shared waste and recycling allocation calculator

Type of units by size	Waste (litres/week)			Recycling (litres/week)		
	Number of units	litres/week per unit	Total litres/week	Number of units	litres/week per unit	Total litres/week
1 bedroom or studio unit		80	0		70	0
1 bedroom with separate study room		90	0		80	0
2 bedroom unit		100	0		90	0
3 bedroom unit	31	120	3,720	31	110	3,410
4 bedroom unit or greater		140	0		120	0
Total calculated waste			**3,720**			**3,410**

**NB: Standard allocations updated as of 1 February 2019*
**NB: If the calculated waste volume in litres/week exceeds 36,000, compactors MUST be used.*

Shared waste allocation calculated as per assumptions above

Calculated waste volume (litres/week)	Waste hopper quantity			Service frequency*
	1.5 m^3	2 m^3	3m^3	
3,720	**1**	**1**	**0**	**Weekly**

Scenario 2 (only applicable to total calculated waste volume greater than 22,351 litres/week)

Calculated waste volume (litres/week)	Waste hopper quantity			Service frequency*
	1.5 m^3	2 m^3	3m^3	
0	**0**	**0**	**0**	

Shared recycling allocation calculated as per assumptions above

Calculated recycling volume (litres/week)	Recycling hopper quantity	Service frequency*
	1,100L	
3,410	**4**	**Weekly**

Scenario 2 (only applicable to total calculated recycling volume greater than 22,001 litres/week)

Calculated recycling volume (litres/week)	Recycling hopper quantity	Service frequency*
	1,100L	
0	**0**	

**Note 1: This calculator does not apply if the option of shared MGBs with kerbside collection is available.*
**Note 2: Developments where sufficient waste is generated as per the above may be entitled to three (3) times a week collection only in those areas where three (3) times a week collection is already provided. Availability of this limited service is subject to operational considerations and may not be available in all areas. Three (3) times a week collection requires Place Coordination's approval in writing at the pre-application stage. In cases where a three (3) times a week collection cannot be provided, the development must be able to accommodate sufficient waste and recycling storage space to accommodate twice a week collection.*

Precinct 8 block c section C

ACT Government
Transport Canberra and City Services

Multi-unit residential development
Shared waste and recycling allocation calculator

Type of units by size	Waste (litres/week)			Recycling (litres/week)		
	Number of units	litres/week per unit	Total litres/week	Number of units	litres/week per unit	Total litres/week
1 bedroom or studio unit		80	0		70	0
1 bedroom with separate study room		90	0		80	0
2 bedroom unit		100	0		90	0
3 bedroom unit	10	120	1,200	10	110	1,100
4 bedroom unit or greater		140	0		120	0
Total calculated waste			**1,200**			**1,100**

**NB: Standard allocations updated as of 1 February 2019*
**NB: If the calculated waste volume in litres/week exceeds 36,000, compactors MUST be used.*

Shared waste allocation calculated as per assumptions above

Calculated waste volume (litres/week)	Waste hopper quantity			Service frequency*
	1.5 m^3	2 m^3	3m^3	
1,200	1	0	0	Weekly

Scenario 2 (only applicable to total calculated waste volume greater than 22,351 litres/week)

Calculated waste volume (litres/week)	Waste hopper quantity			Service frequency*
	1.5 m^3	2 m^3	3m^3	
0	0	0	0	

Shared recycling allocation calculated as per assumptions above

Calculated recycling volume (litres/week)	Recycling hopper quantity	Service frequency*
	1,100L	
1,100	1	Weekly

Scenario 2 (only applicable to total calculated recycling volume greater than 22,001 litres/week)

Calculated recycling volume (litres/week)	Recycling hopper quantity	Service frequency*
	1,100L	
0	0	

**Note 1: This calculator does not apply if the option of shared MGBs with kerbside collection is available.*
**Note 2: Developments where sufficient waste is generated as per the above may be entitled to three (3) times a week collection only in those areas where three (3) times a week collection is already provided. Availability of this limited service is subject to operational considerations and may not be available in all areas. Three (3) times a week collection requires Place Coordination's approval in writing at the pre-application stage. In cases where a three (3) times a week collection cannot be provided, the development must be able to accommodate sufficient waste and recycling storage space to accommodate twice a week collection.*

sellick consultants
Est. 1965
canberra | sydney

APPENDIX E

Waste Collection Equipment Specification

SPACEPAC SOLUTIONS
www.SPACEPAC.com.au

EMOVEIT
www.EMOVEIT.com.au

PO Box 1468 Auburn St. Wollongong NSW 2500
Phone: 1300 763 444 ABN 98 002 454 462
Email: sales@spacepac.com.au

Replaces all previous versions

Effective 20th December 2018

SPACEPAC ALUMINIUM TRAILERS

Ideal for foodbins, wastebins, and general use. made to order - Custom sizes available .

Engineer designed, lightweight yet extremely robust and easily cleaned

Suitable for:

- Insulated food trolleys (eg: Versigen, Cambro, Rubbermaid, Carlisle)
- 820/120/240/660/1100 ltr Plastic Council wheelie bins
- General use for transport of goods
- Hospitals, Aged care, residential and commercial applications

Size:

2/4/6/8 bin, also custom sizes to suit your application.
Designed Speeds: 5km to 20km/hr maximum
Not for highway use. Unless with "Blueslip" option

All prices/specifications subject to change without notice.

SPACEPAC SOLUTIONS
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EMOVEIT
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Replaces all previous versions

Effective 20th December 2018

SPACEPAC ALUMINIUM TRAILERS

FEATURES

Heavy Gauge Aluminium construction fully welded

- Inline 700 mm models will fit through standard doorways.
- Engineer designed, lightweight yet extremely robust and easily cleaned.
- Can be pushed by one person or towed with Spacepac / Emoveit Battery Electric Tugs

Non Slip - Rear Ramp

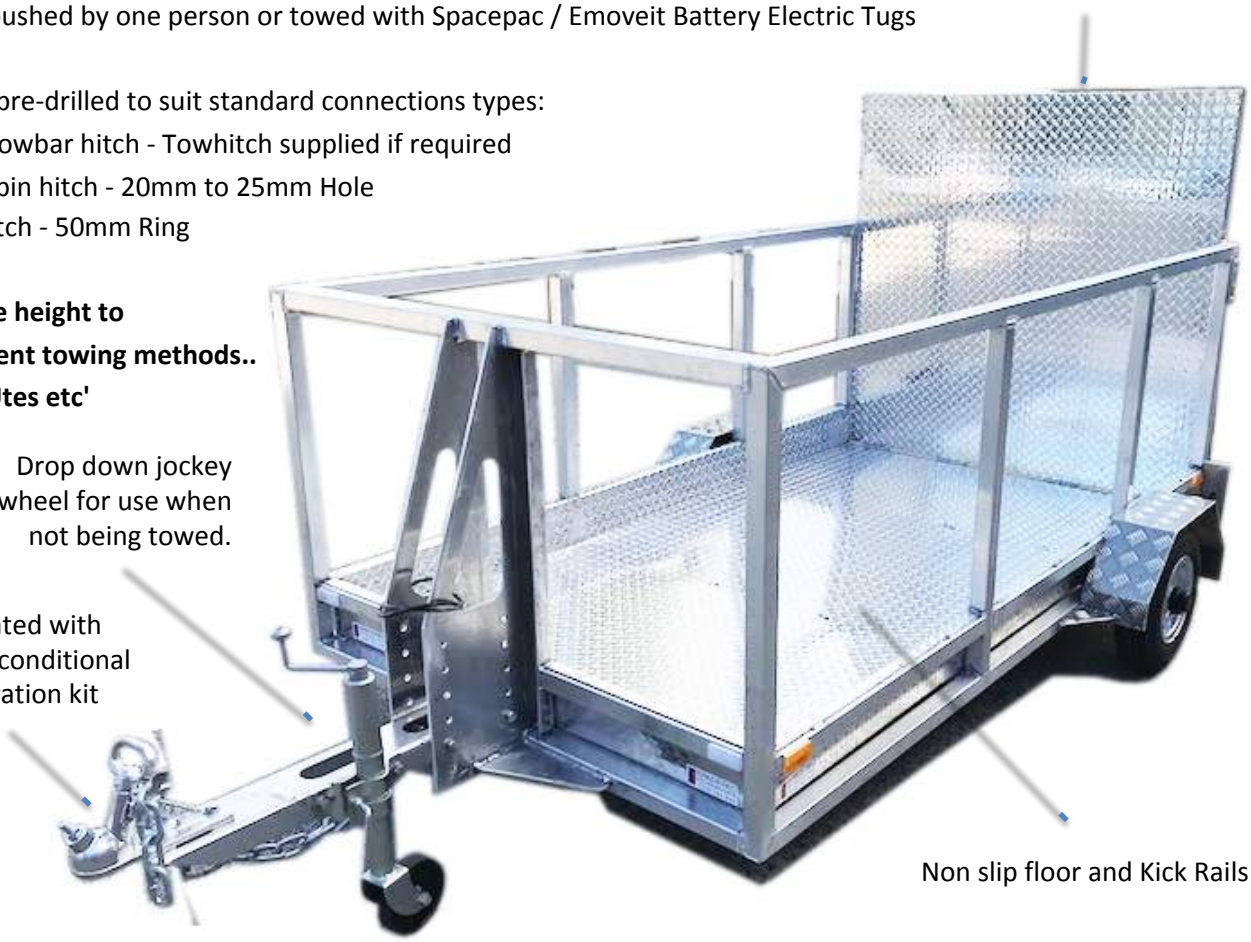
Draw-bar pre-drilled to suit standard connections types:

- 50 mm towbar hitch - Towhitch supplied if required
- Drop-in pin hitch - 20mm to 25mm Hole
- Pintle hitch - 50mm Ring

Adjustable height to suit different towing methods.. ie: Tugs, Utes etc'

Drop down jockey wheel for use when not being towed.

Illustrated with optional conditional registration kit



Non slip floor and Kick Rails

Adjustable height heavy duty draw-bar pre-drilled to suit standard connection types: 50 mm towbar hitch Or Drop -in pin hitch.

8 Inch Alloy Wheels with Holden precision bearings & Highway grade 6 ply tires designed to resist side loads on ramp. Complete with Wheel Guards for protection and road safety.

1200mm Rear Ramp complete with high quality gas struts & positive locking

All prices/specifications subject to change without notice.

SPACEPAC SOLUTIONS
www.SPACEPAC.com.au

EMOVEIT
www.EMOVEIT.com.au

PO Box 1468 Auburn St. Wollongong NSW 2500
Phone: 1300 763 444 ABN 98 002 454 462
Email: sales@spacepac.com.au

Replaces all previous versions

Effective 20th December 2018

SPACEPAC ALUMINIUM TRAILERS

OPTIONS

Divider plus twin ramp for moving food trolleys

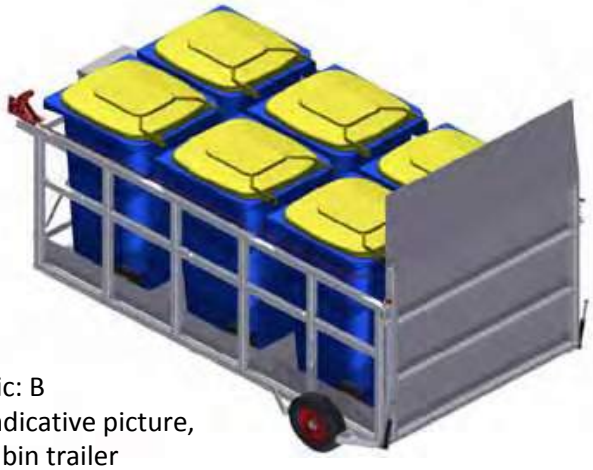
Conditional registration kit including Tail & Brake lights, Indicators, Reflectors & Number plate light.

Optional Divider with twin ramp & Reverse camera with 7 inch screen mounted on the vehicle's dashboard.

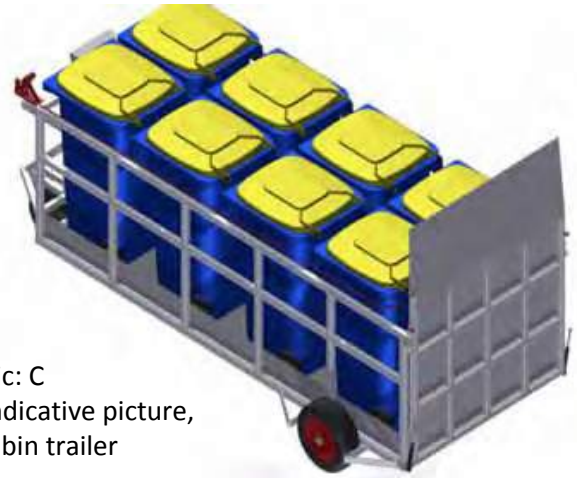
Pedestrian Model with optional infill panels & pedal lock

DESIGN SUGGETIONS:

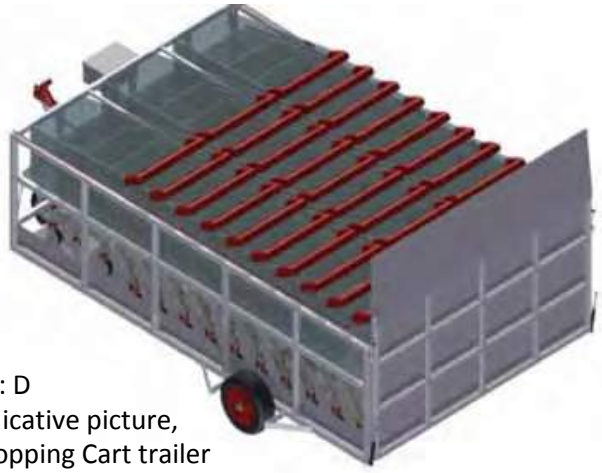
Pic: A
Indicative picture,
4 bin trailer



Pic: B
Indicative picture,
6 bin trailer



Pic: C
Indicative picture,
8 bin trailer



Pic: D
Indicative picture,
Shopping Cart trailer

All prices/specifications subject to change without notice.

EN

PÖTTINGER
Entsorgungstechnik

MULTIPRESS
MP 1.9/1.4/1.0

falconic
KEEP AN EYE ON EFFICIENCY

NEW!

OPTIMUM PRESS TECHNOLOGY in contemporary design

- → + 20% more filling weight
- → Reduction of transport costs
- → Universal deployment
- → Paint quality as in the car industry
- → Silent hydraulic pump
- → Optimum safety for operator
- → Communication with machine
- → Online configuration of machine and location
- → Optimum management of your container pool

ECONOMIC SUCCESS

depends on several factors

Improved capacity – up to 20% more fill volume

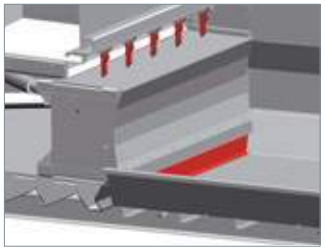
due to the newly developed press geometry. Tapered press bottom, curved press plate, high quality piston guiding and improved press geometry ensure an effective retention system. Up to 20% higher compaction!

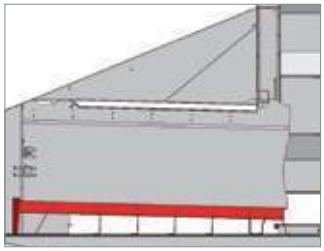
Large filling opening

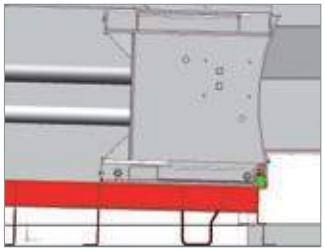
The double build-up prevention by means of retaining tines and a 152 mm high trash holder in combination with the immersion depth of the compressing ram of 334 mm keeps the pressing area free and permanently available.

Type MP 1.4:
1050 x 1860 mm
→ 1,4 m³ / stroke

Type MP 1.9:
1450 x 1860 mm
→ 1,9 m³ / stroke







MULTIPRESS
MP 1.9/1.4/1.0

Universal deployment and variable equipment that is easy to retrofit

Regardless of whether ground, ramp or building loading – additional equipment can be bolted on for quick and easy adaptation to any disposal location.

Tipping device

Preparation provided as standard - no welding needed for retrofitting. Optionally hydraulic comb lift.

Operation

Phase adapter and connection for remote control are supplied as standard.

Side-hung or top-hung rear door

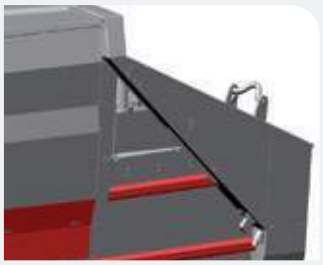
The back wall is easily converted from a side-hung door to a top-hung door. Standard 8-point locking system for leak tight seal.
The hook on the back can be used for hoisting it on to the lorry.

SAFETY
is top priority

Safety unlocking device with door catch system

The operator is always outside of the danger area when opening the door. Through a special door catch system, people who are not in the field of vision remain, protected.

OPTIONAL:
Bulky waste model – reinforced construction for bulky waste

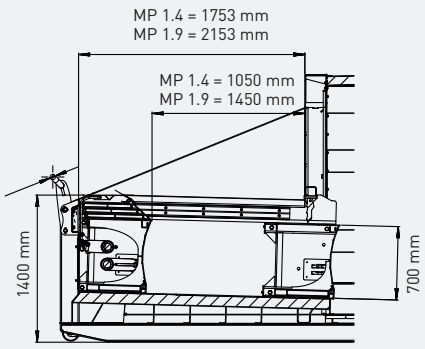


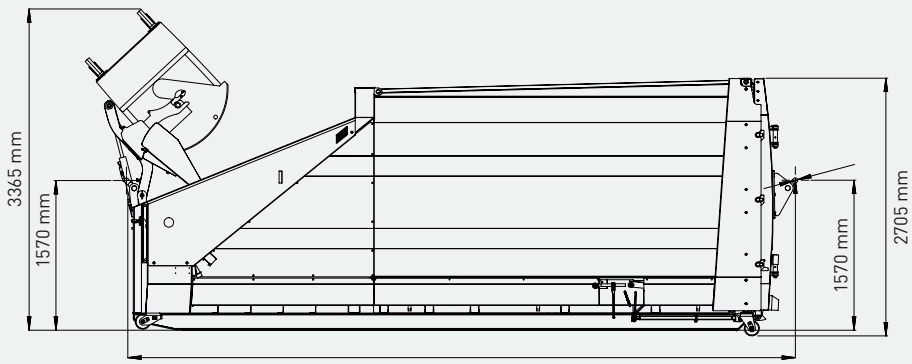
The following components are reinforced on this model:

- → Piston guide, piston and yoke
- → Side walls of the container
- → Floor cleaner on the piston head as standard

HYDRAULICS und ELEKTRICS

Easy to access and clearly laid out. Accident prevention as no climbing aids are required. Easy to service thanks to ergonomic working position.





MP 1.4 16 m³ = 5850 / 18 m³ = 6250 / 20 m³ = 6650 / 22 m³ = 7050 / 24 m³ = 7450
MP 1.9 16 m³ = 6250 / 18 m³ = 6650 / 20 m³ = 7050 / 22 m³ = 7450 / 24 m³ = 7850

MULTIPRESS
MP 1.9/1.4/1.0

Building-feeding

Taylormade solutions for the space-saving filling
of your PÖTTINGER machines from inside of a building.

By their innovative design, the individually adapted length of the chutes and different filling possibilities they can be perfectly integrated in modern architecture.

Tipping devices

For the decentralised
collection of waste in
DIN standard containers.

Tipping devices can be either attached to a press container or are available as stationary or mobile solutions. Thus, waste can be collected during operation in 80 to 1100 litre DIN standard containers and then filled into the press by means of the tipping device.

Quiet-running pump

The Pöttinger MULTIPRESS containers are equipped with a quiet-running pump as standard. At idle, the machine noise level is under 59 dBA.

MULTIPRESS
MP 1.4 - 1.9

Optimum press technology in contemprary design

01 | Modular construction - all parts screwable
02 | Hood over intake opening - comfortable operation
03 | Foldaway front hook
04 | Connector with 16 poles for additional operation panel
05 | Automatic phase changing
06 | Stability
07 | Combined poliamide rolls
08 | Gliders for piston (inside)
09 | Inclined press floor (inside)
10 | Concave front plate ROC 401 (inside)
11 | Sealings at maintenance door, hood and rear door
12 | Sand blasting RA 2,5 / powder coating
primer plus top coat at least 120µ
13 | Rear door convertible top hanged / side hanged
14 | Rear hook for transporting the machine
15 | Ratchet spanner for rear door in safe position
16 | Door catch system
17 | Hour counter
18 | Low noise gear pump standard f-59dbA

Technical Data 1.4	MP 16-1.4	MP 18-1.4	MP 20-1.4	MP 22-1.4	MP 24-1.4
Volume Container	16 m³	18 m³	20 m³	22 m³	24 m³
Length (without hook)	5650 mm	6050 mm	6450 mm	6850 mm	7250 mm
Length (with hook)	5850 mm	6250 mm	6650 mm	7050 mm	7450 mm
Width x height	2460 x 2704 mm	2460 x 2704 mm	2460 x 2704 mm	2460 x 2704 mm	2460 x 2704 mm
Filling height	1400 mm	1400 mm	1400 mm	1400 mm	1400 mm
Volume per stroke	1,4 m³	1,4 m³	1,4 m³	1,4 m³	1,4 m³
Height of press ram	700 mm	700 mm	700 mm	700 mm	700 mm
Press opening W x H	1860 x 1050 mm	1860 x 1050 mm	1860 x 1050 mm	1860 x 1050 mm	1860 x 1050 mm
Filling opening W x H	1860 x 1753 mm	1860 x 1753 mm	1860 x 1753 mm	1860 x 1753 mm	1860 x 1753 mm
Compaction force	340 kN	340 kN	340 kN	340 kN	340 kN
Pressing cycle	40 sec.	40 sec.	40 sec.	40 sec.	40 sec.
Motor	5,5 kW	5,5 kW	5,5 kW	5,5 kW	5,5 kW
Fuse slow	16 A	16 A	16 A	16 A	16 A
Electric connection	400 V, 50 Hz	400 V, 50 Hz	400 V, 50 Hz	400 V, 50 Hz	400 V, 50 Hz
Unladen weight	4797 kg	4947 kg	5097 kg	5247 kg	5397 kg
Container conical	conical à 100 mm	conical à 100 mm	conical à 100 mm	conical à 100 mm	conical à 100 mm

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The essential tool for an efficient work organisation.

Technical Data 1.9	MP 16-1.9	MP 18-1.9	MP 20-1.9	MP 22-1.9	MP 24-1.9
Volume Container	16 m³	18 m³	20 m³	22 m³	24 m³
Length (without hook)	6050 mm	6450 mm	6850 mm	7250 mm	7650 mm
Length (with hook)	6250 mm	6650 mm	7050 mm	7450 mm	7850 mm
Width x height	2460 x 2704 mm	2460 x 2704 mm	2460 x 2704 mm	2460 x 2704 mm	2460 x 2704 mm
Filling height	1400 mm	1400 mm	1400 mm	1400 mm	1400 mm
Volume per stroke	1,9 m³	1,9 m³	1,9 m³	1,9 m³	1,9 m³
Height of press ram	700 mm	700 mm	700 mm	700 mm	700 mm
Press opening W x H	1860 x 1450 mm	1860 x 1450 mm	1860 x 1450 mm	1860 x 1450 mm	1860 x 1450 mm
Filling opening W x H	1860 x 2153 mm	1860 x 2153 mm	1860 x 2153 mm	1860 x 2153 mm	1860 x 2153 mm
Compaction force	340 kN	340 kN	340 kN	340 kN	340 kN
Pressing cycle	40 sec.	40 sec.	40 sec.	40 sec.	40 sec.
Motor	5,5 kW	5,5 kW	5,5 kW	5,5 kW	5,5 kW
Fuse slow	16 A	16 A	16 A	16 A	16 A
Electric connection	400 V, 50 Hz	400 V, 50 Hz	400 V, 50 Hz	400 V, 50 Hz	400 V, 50 Hz
Unladen weight	5060 kg	5210 kg	5360 kg	5510 kg	5660 kg
Container conical	conical à 100 mm	conical à 100 mm	conical à 100 mm	conical à 100 mm	conical à 100 mm

MULTIPRESS 1.0

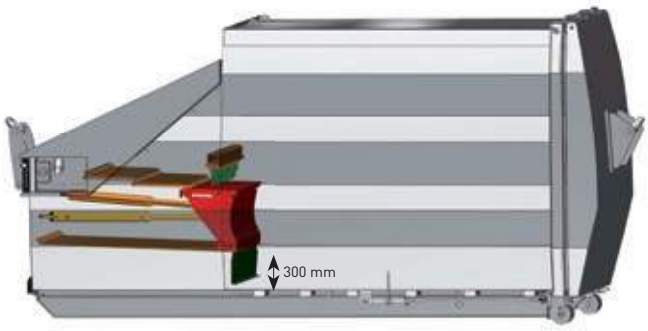
MULTIPRESS 1.0 **Skip**

If there is limited space available
or if being used with skip vehicles

Due to the container volumes from 8 to 12 m³ and the width of 2 m, the **MULTIPRESS 1.0** suits to narrow surrounding areas.
The press technology contains all advantages of the big brother and characterizes due to its efficiency, high compaction ratio and durability.

Skip	MP 8-1.0	MP 10-1.0	MP 12-1.0
Volume Container	8 m³	10 m³	12 m³
Length (without hook)	4200	4700	5200
Length (with hook)	–	–	–
Width x height	1950 x 2400 mm	1950 x 2400 mm	1950 x 2400 mm
Filling height	1270 mm	1270 mm	1270 mm
Volume per stroke	1 m³	1 m³	1 m³
Height of press ram	550 mm	550 mm	550 mm
Press opening W x H	1000 x 1450 mm	1000 x 1450 mm	1000 x 1450 mm
Filling opening W x H	1580 x 1450 mm	1580 x 1450 mm	1580 x 1450 mm
Compaction force	300 kN	300 kN	300 kN
Pressing cycle	24 sec.	24 sec.	24 sec.
Motor	5,5 kW	5,5 kW	5,5 kW
Fuse slow	16 A	16 A	16 A
Electric connection	400 V, 50 Hz	400 V, 50 Hz	400 V, 50 Hz
Unladen weight	3250 kg	3450 kg	3650 kg
Container conical	conical à 80 mm	conical à 80 mm	conical à 80 mm

MULTIPRESS 1.0



MULTIPRESS 1.0
Roll-off container

Special version as wet waste press

Mixed waste and also waste with a high moisture content can be ideally compressed. The sloping pressing floor and the special high level difference (300 mm Trashholder) between the pressing floor and the container floor guarantee that the equipment remains clean.
In addition, the **MULTIPRESS 1.0 roll-off container** is also available as an underground garage model.

Roll-off container	MP 10-1.0	MP 12-1.0	MP 14-1.0	MP 16-1.0
Volume Container	10 m³	12 m³	14 m³	16 m³
Length (without hook)	4960	5460	5960	6460
Length (with hook)	5200	5700	6200	6700
Width x height	1950 x 2440 mm	1950 x 2440 mm	1950 x 2440 mm	1950 x 2440 mm
Filling height	1270 mm	1270 mm	1270 mm	1270 mm
Volume per stroke	1 m³	1 m³	1 m³	1 m³
Height of press ram	550 mm	550 mm	550 mm	550 mm
Press opening W x H	1000 x 1450 mm	1000 x 1450 mm	1000 x 1450 mm	1000 x 1450 mm
Filling opening W x H	1580 x 1450 mm	1580 x 1450 mm	1580 x 1450 mm	1580 x 1450 mm
Compaction force	300 kN	300 kN	300 kN	300 kN
Pressing cycle	24 sec.	24 sec.	24 sec.	24 sec.
Motor	5,5 kW	5,5 kW	5,5 kW	5,5 kW
Fuse slow	16 A	16 A	16 A	16 A
Electric connection	400 V, 50 Hz	400 V, 50 Hz	400 V, 50 Hz	400 V, 50 Hz
Unladen weight	3390 kg	3550 kg	3720 kg	3880 kg
Container conical	conical à 80 mm	conical à 80 mm	conical à 80 mm	conical à 80 mm

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KEEP AN EYE ON EFFICIENCY

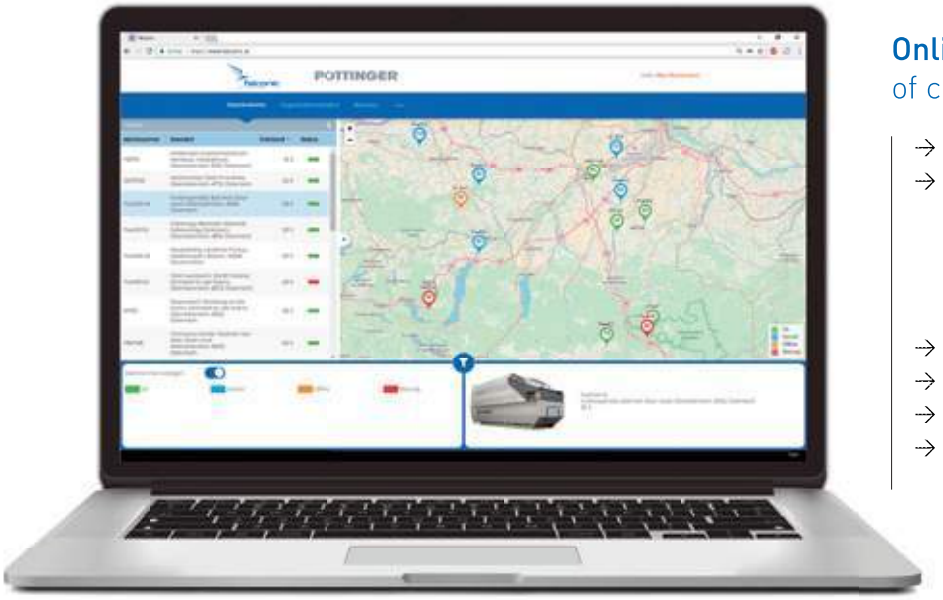
NEW!

OPTIMIZE YOUR LOGISTICS

with **falconic**, the control module for your press container.

falconic offers everything you need to work more efficiently in our digital world:

- → GPS Tracking and visualization of container location
- → **Online configuration of machines and installation sites**
- → **Automatic adoption of site specific parameters when changing the containers** (e.g. type of material, amount of press strokes...)
- → Running statistic of all machine related data (e.g. amount of emptyings, starting sequences, error messages etc.)
- → Information about machine equipment
- → Connection to already existing scheduling and invoicing programs possible
- → Data transfer from container to Web interface
- → Automatic adaption of the rotating direction of the motor



Online-adjustment
of containers and location sites:

- → Pre-full and full announcement 50 – 100%
- → Personalized container status announcements (Email/SMS) to
  - Technical/Service department
  - Scheduling department
  - Client (machine location)
- → Predictive service
- → Amount of strokes at pressing cycle
- → Position of press ram
- → Adjustment of press related to type of material

falconic
The mode of operation

GPRS
Data transfer worldwide

Data base / server

Connection to existing scheduling and invoicing programs

falconic saves:

- → LOGISTIC COSTS
- → SCHEDULING COSTS
- → MAINTENANCE COSTS

Client / scheduler

Optimized emptying intervals

Predictivice service

Trouble-shooting by telephone

falconic RETROFIT - possible for all Pöttinger machines and machines from other manufacturers

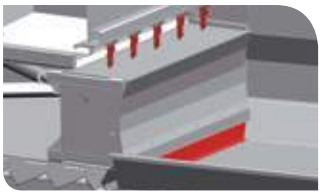
PÖTTINGER
Entsorgungstechnik

THE 7 QUALITY MARKS

POWDER COATING

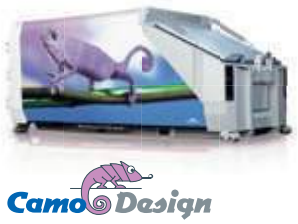
STABLE EXECUTION + 200%

LOAD TESTS



OPTIMUM MATERIAL GLOW, GEOMETRIE OF THE PRESS

INNOVATVE DESIGN



TEXTILE COVERINGS WITH CAMO DESIGN

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