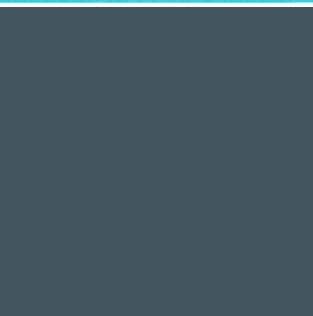



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SELICK CONSULTANTS PTY LTD EDP WASTE OVERVIEW



Job Title: **Canberra Brickworks**

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

Client: **Doma Group**

Reference #: **191148**



Project Details

For the Attention of:

Alex Moulis

Doma Group

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Project No:

191148

Sellick Consultants Reference:

Blocks 1, 7 & 20 Section 102 Yarralumla, ACT
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| 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 |



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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 m ³ /week | ALLOCATED BINS | COLLECTION FREQUENCY | RECYCLING m ³ /week | ALLOCATED BINS | COLLECTION FREQUENCY |
|----------------------|-------------------------------|------------------------------------|-------------------------|-----------------------------------|------------------------------------|-------------------------|
| Section B Block d | 14.24 | 7x1.1m ³ | Twice Weekly | 12.9 | 6x1.1m ³ | Twice Weekly |
| Section C Block a | 2.64 | 3x1.1m ³ | Weekly | 2.42 | 3x1.1m ³ | Weekly |
| Section C Block b | 4.76 | 3x1.1m ³ | Twice Weekly | 4.32 | 2x1.1m ³ | Twice Weekly |
| Section C Block c | 1.20 | 2x1.1m ³ | Weekly | 1.10 | 1x1.1m ³ | Weekly |
| Section C Block d | 4.46 | 3x1.1m ³ | Twice Weekly | 4.06 | 2x1.1m ³ | Twice Weekly |
| Section C Block e | 4.20 | 4x1.1m ³ | Weekly | 3.82 | 4x1.1m ³ | Weekly |
| Section D Block a | 2.52 | 2x1.1m ³ | Weekly | 2.31 | 2x1.1m ³ | Weekly |
| Section D Block b | 3.72 | 4x1.1m ³ | Weekly | 3.41 | 3x1.1m ³ | 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 | 63.61m³/week | | | 19.59m³/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 16m³ waste RORO and one 16m³ 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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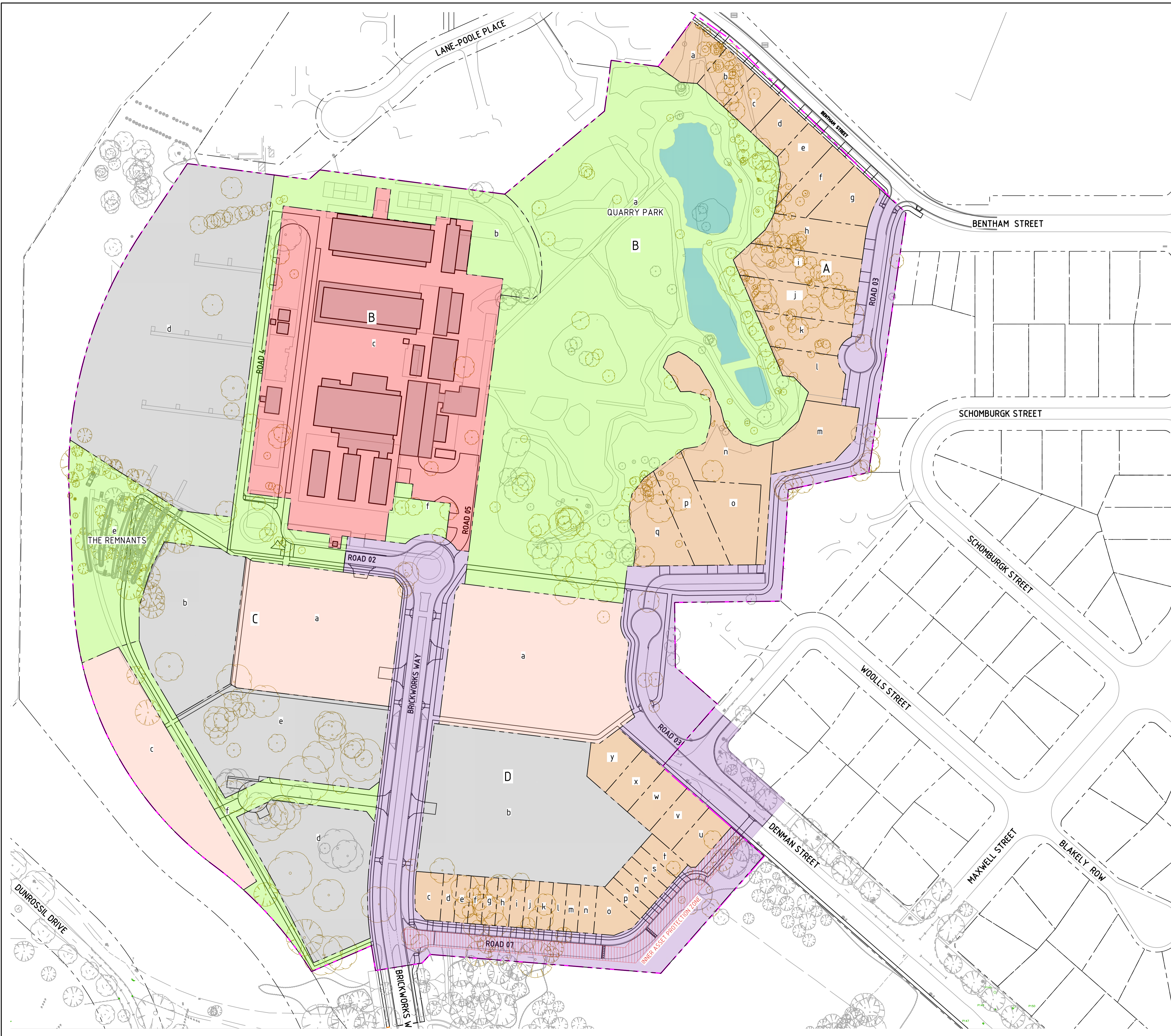
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APPENDIX A

Estate Plans

structural civil hydraulic engineers

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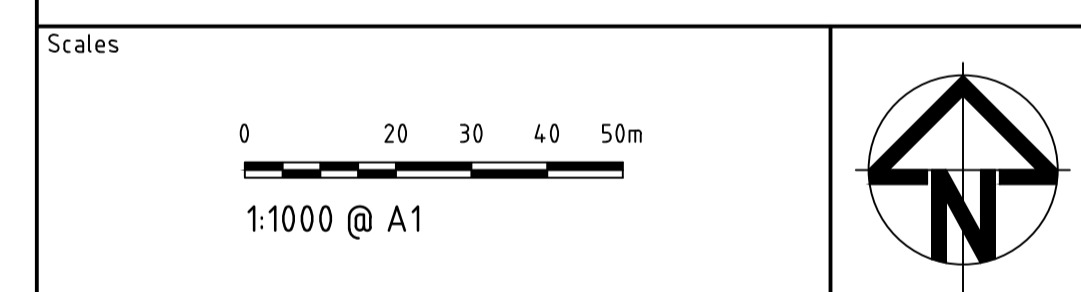
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| | EXISTING TREE TO RETAINED |
| | PROPOSED CONTOUR |
| | EXISTING CONTOUR |
| | MULTI UNIT - APARTMENT TYPOLOGY |
| | MULTI UNIT - TERRACE TYPOLOGY |
| | SINGLE DWELLING LOTS |
| | COMMUNITY TITLED LAND |
| | ROAD RESERVE |
| | HERITAGE PRECINCT |



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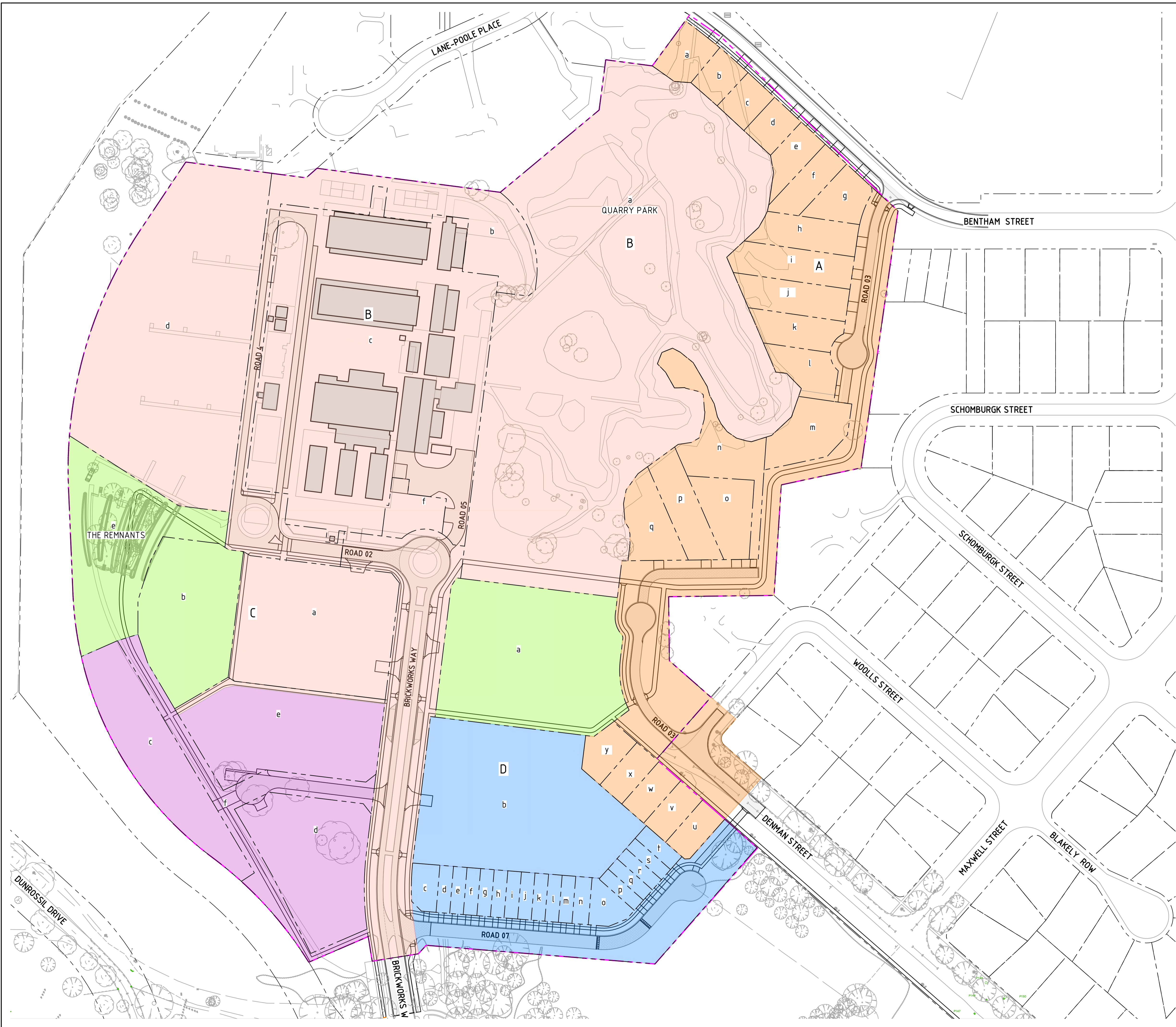
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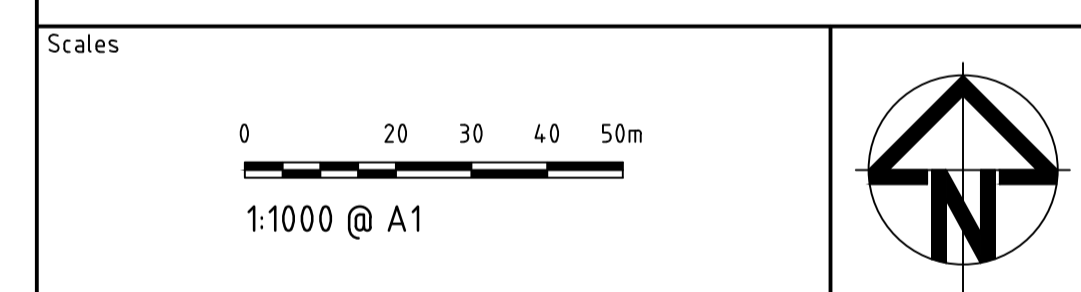
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| | EXISTING TREE TO RETAINED |
| | PROPOSED CONTOUR |
| | EXISTING CONTOUR |

| 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 TOWNHOUSES | 2C |



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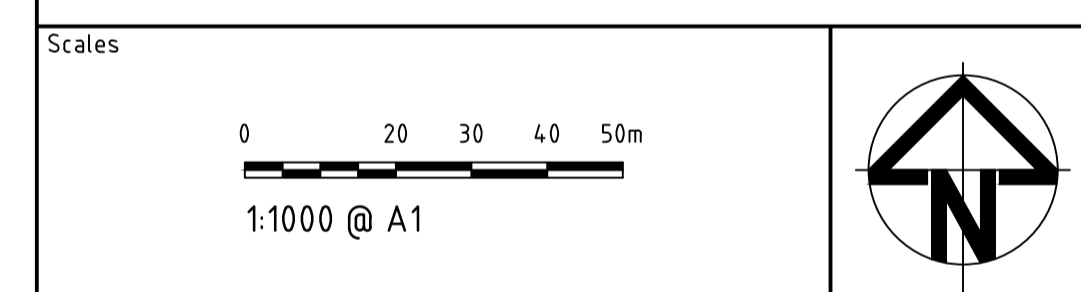
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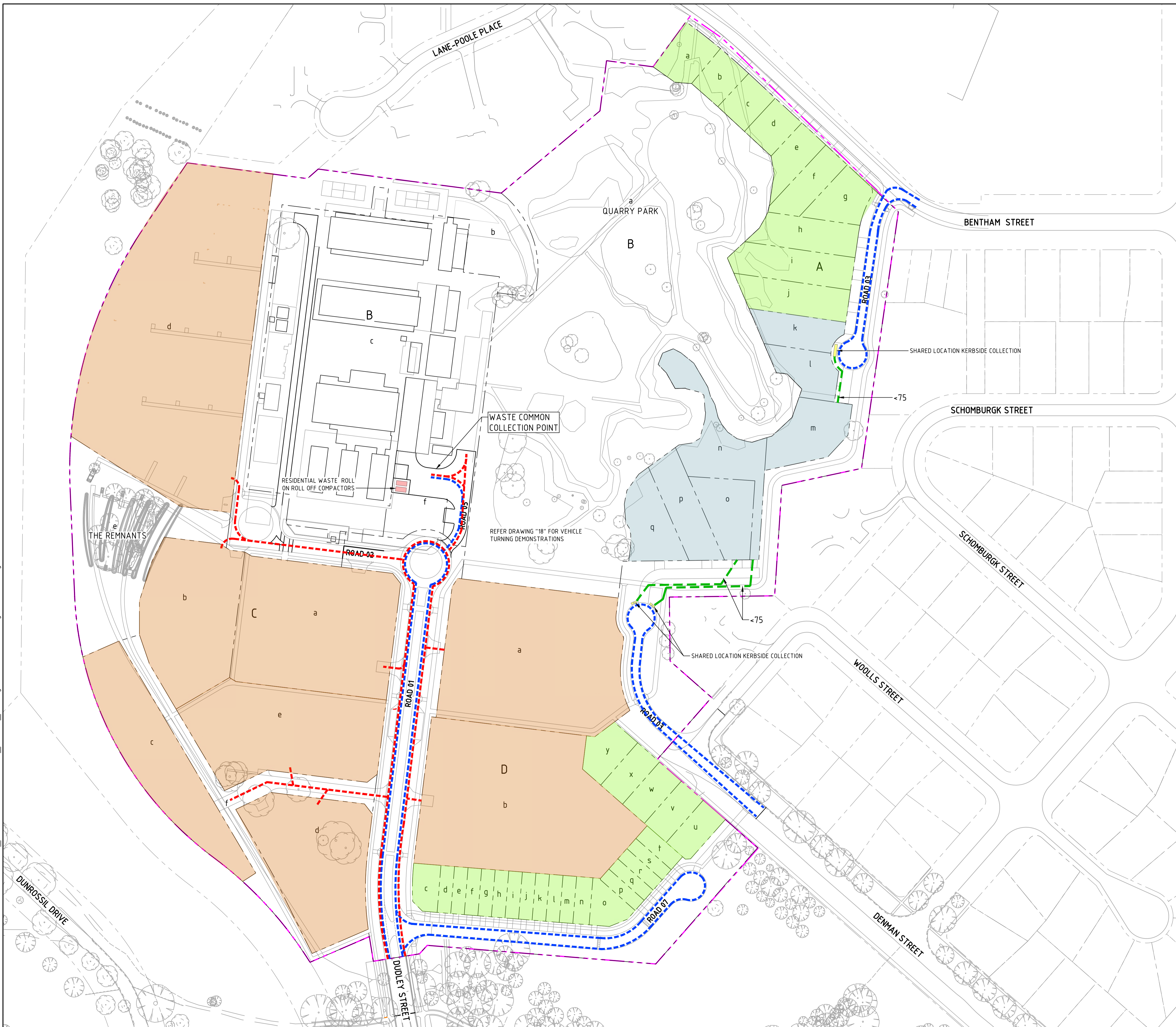
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APPENDIX B

Estate Waste Management Plans

structural civil hydraulic engineers

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- PROPOSED CONTOUR
- 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
- RESIDENTIAL 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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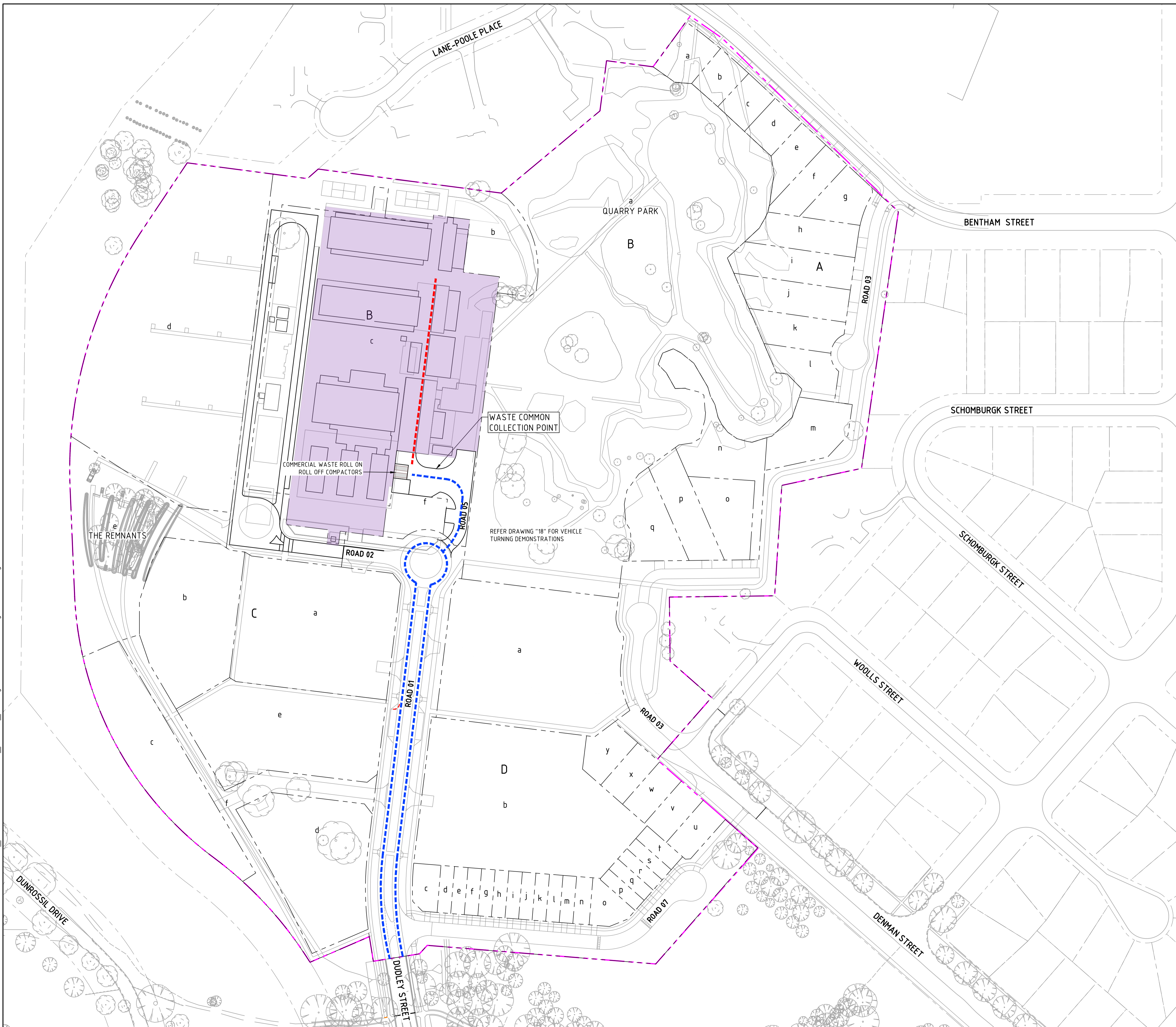
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BLOCKS 1,7 & 20 SECTION 102

Drawing Title

EDP - WASTE COLLECTION PLAN
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- TERRITORY COLLECTION MOVEMENTS

Scales

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| 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 - WASTE COLLECTION PLAN
COMMERCIAL

| Project Number | Type | Discipline | Drg No. | Sub-No. | Rev |
|----------------|------|------------|---------|---------|-----|
| 191148 | DRG | CIV | 24 | 01 | E |



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APPENDIX C

Swept Paths

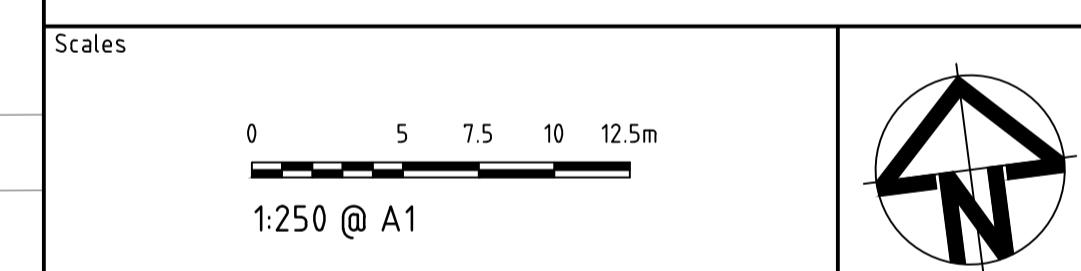
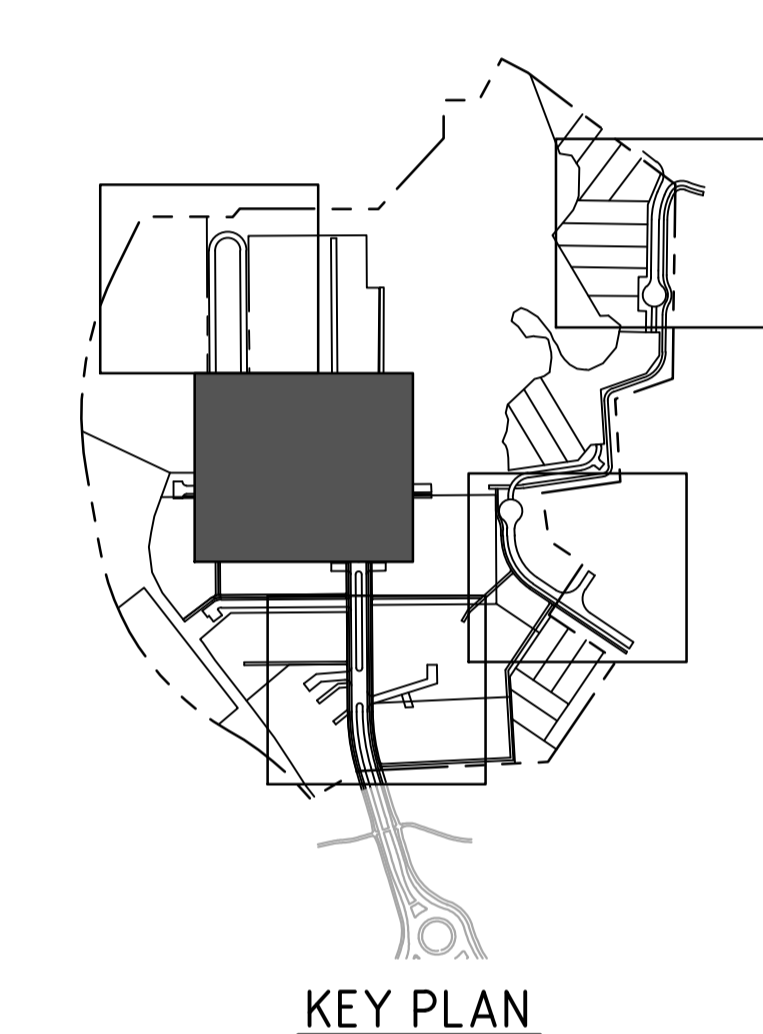
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Status

NOT FOR CONSTRUCTION

DO NOT SCALE OFF DRAWINGS. VERIFY ALL DIMENSIONS ON SITE PRIOR TO WORK.
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| Rev | Description | Date | Drawn By |
|-----|------------------------|------------|----------|
| S | EDP SUBMISSION | 10.08.2023 | MN |
| R | EDP SUBMISSION | 31.07.2023 | MN |
| Q | EDP SUBMISSION | 10.07.2023 | MN |
| P | EDP SUBMISSION | 22.06.2023 | RT |
| O | EDP SUBMISSION | 16.06.2023 | RT |
| N | EDP DRAFT REVIEW | 14.06.2023 | RT |
| M | EIS COMMENTS ADDRESSED | 11.10.2022 | RT |

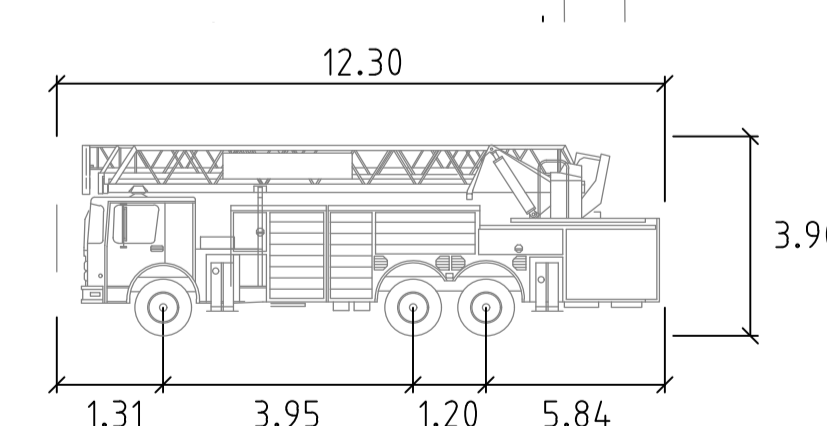
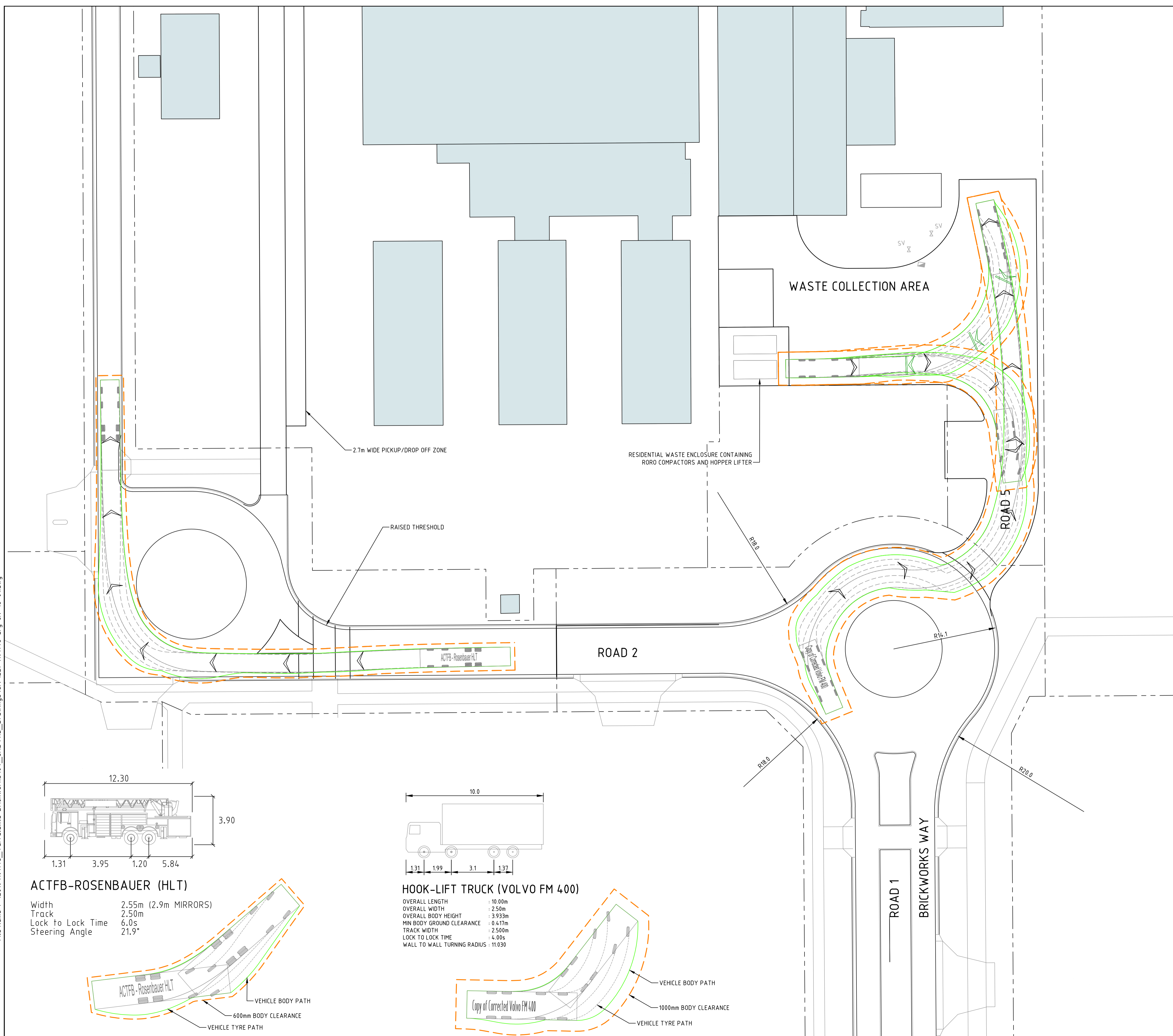


| | | | | | |
|-------------------|--------------|--------------------|----|----------------|------------|
| Original Size | A1 | Drawn By | DA | Drafting Check | DCA |
| Date Plotted | 10-Aug-23 | Designed By | AE | Design Check | BC |
| Coordinate System | STROMLO GRID | Approved | BC | Approved Date | 16/12/2019 |
| Height Datum | AHD | Approved Signature | | | |

Project Name and Location
THE CANBERRA BRICKWORKS
 BLOCKS 1,7 & 20 SECTION 102

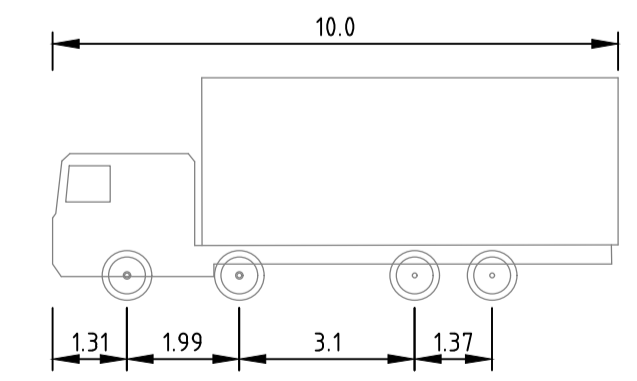
Drawing Title
EDP - ROADS DETAIL AND VEHICLE DEMONSTRATIONS PLAN SHEET 1

| Project Number | Type | Discipline | Drg No. | Sub-No. | Rev |
|----------------|------|------------|---------|---------|-----|
| 191148 | DRG | CIV | 18 | 01 | S |



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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APPENDIX D

Residential Waste Calculations

Overall MUDs



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



**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



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



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



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



**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



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



**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.*



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APPENDIX E

Waste Collection Equipment Specification

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 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

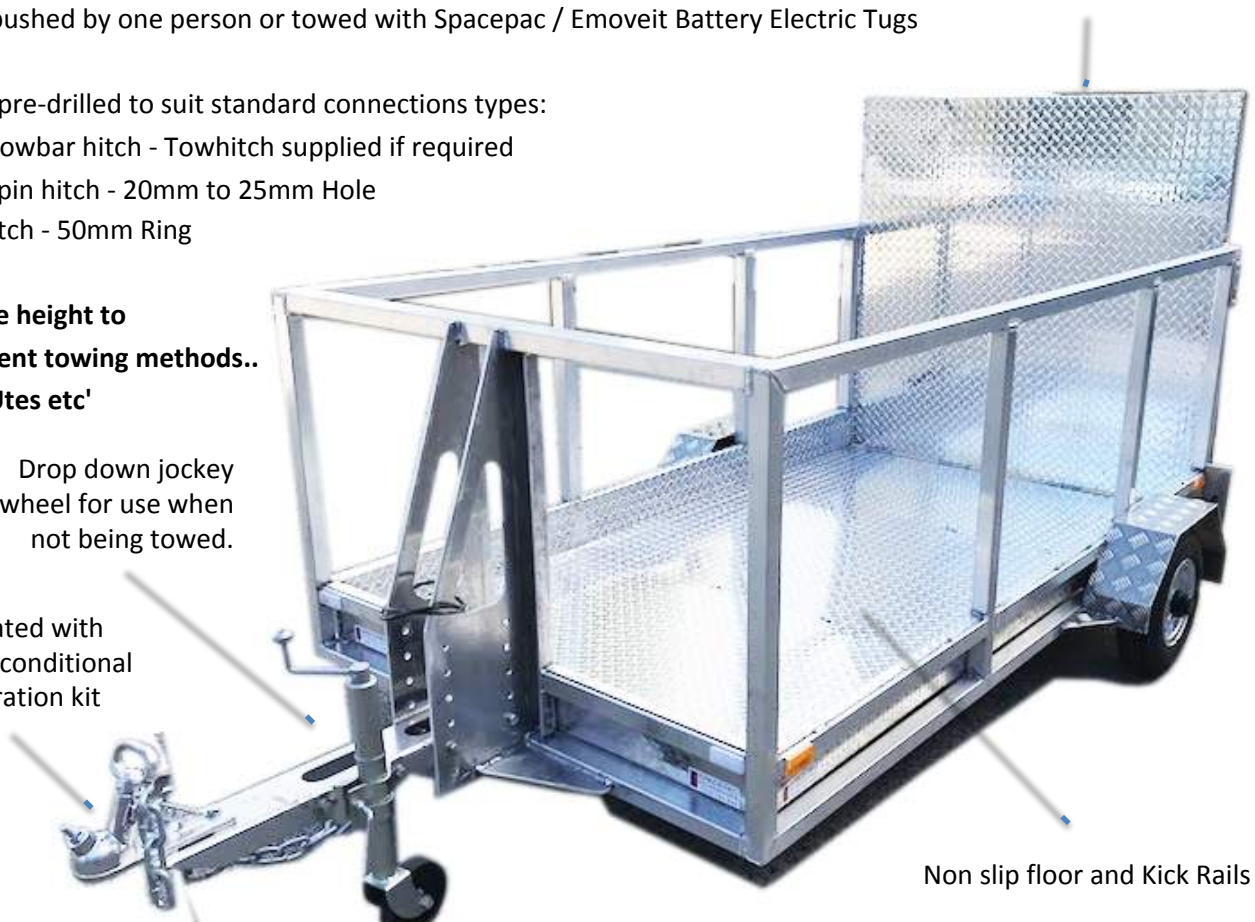
Draw-bar pre-drilled to suit standard connections types:

- 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



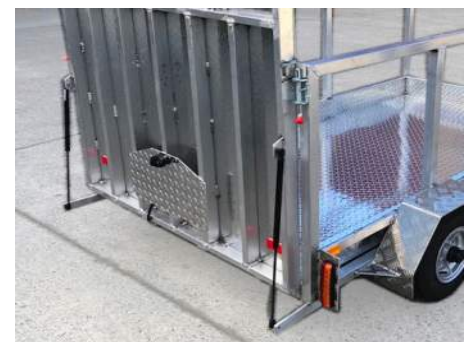
Non slip floor and Kick Rails



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 ALUMINIUM TRAILERS

OPTIONS



Divider plus twin ramp for moving food trolleys



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

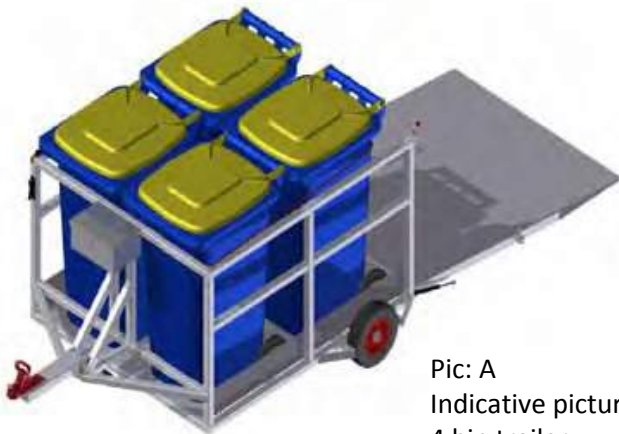


Optional Divider with twin ramp & Reverse camera with 7 inch screen mounted on the vehicle's dashboard.

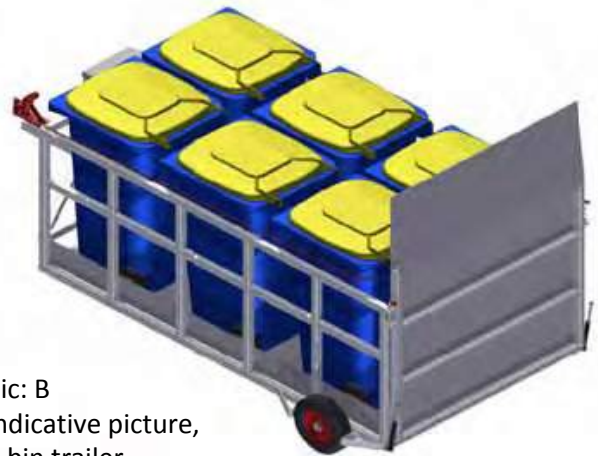


Pedestrian Model with optional infill panels & pedal lock

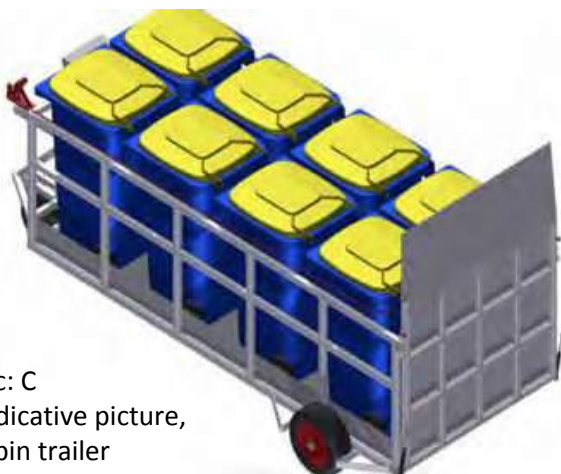
DESIGN SUGGETIONS:



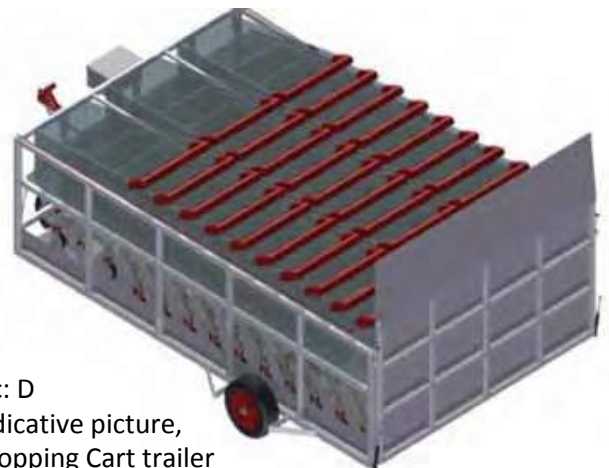
Pic: A
Indicative picture,
4 bin trailer



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.

MULTIPRESS MP 1.9/1.4/1.0



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

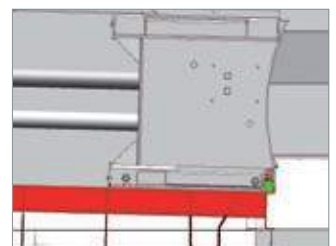
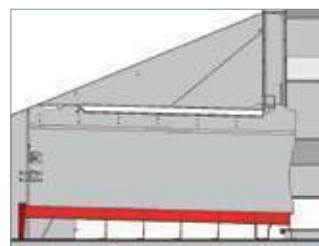
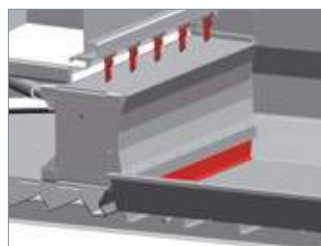
The double build-up prevention by means of retaining tines and a 152 mm high trash holder in combination with the immersion depth of the compressing ram of 334 mm keeps the pressing area free and permanently available.

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

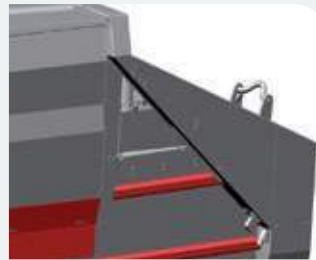
The operator is always outside of the danger area when opening the door. Through a special door catch system, people who are not in the field of vision remain, protected.



OPTIONAL: Bulky waste model – reinforced construction for bulky waste

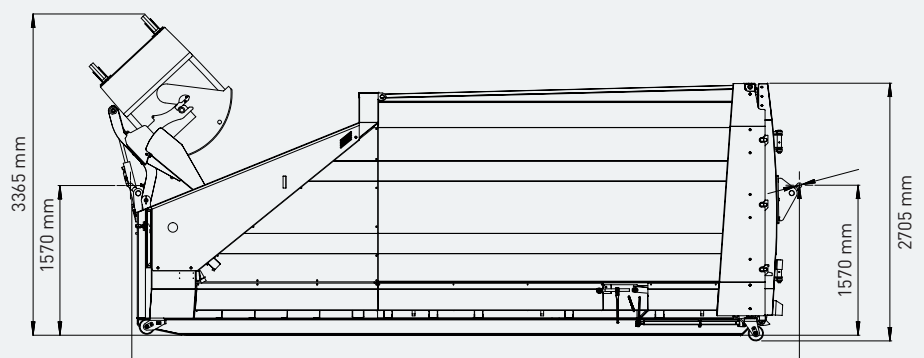
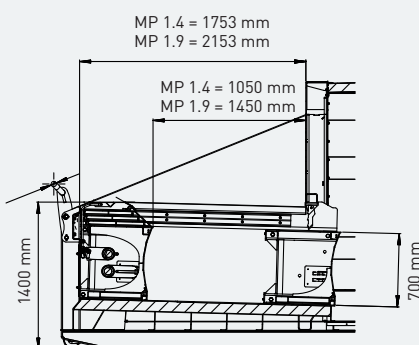
The following components are reinforced on this model:

- 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

Taylor-made 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.

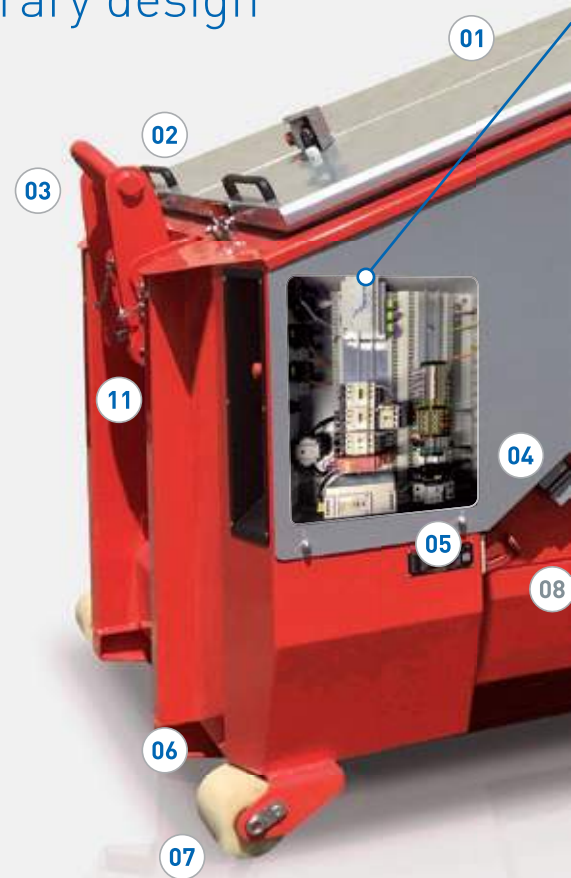


MULTIPRESS MP 1.4 - 1.9

Optimum press technology in contemporary 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 m ³ | 18 m ³ | 20 m ³ | 22 m ³ | 24 m ³ |
| 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 m ³ | 1,4 m ³ | 1,4 m ³ | 1,4 m ³ | 1,4 m ³ |
| 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 |



falconic

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 m ³ | 18 m ³ | 20 m ³ | 22 m ³ | 24 m ³ |
| 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 m ³ | 1,9 m ³ | 1,9 m ³ | 1,9 m ³ | 1,9 m ³ |
| 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



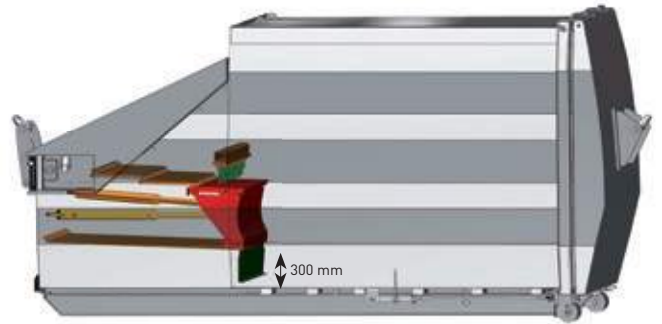
Due to the container volumes from 8 to 12 m³ and the width of 2 m, the **MULTIPRESS 1.0** suits to narrow surrounding areas.

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 m ³ | 10 m ³ | 12 m ³ |
| 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 m ³ | 1 m ³ | 1 m ³ |
| 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 m ³ | 12 m ³ | 14 m ³ | 16 m ³ |
| 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 m ³ | 1 m ³ | 1 m ³ | 1 m ³ |
| 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 |



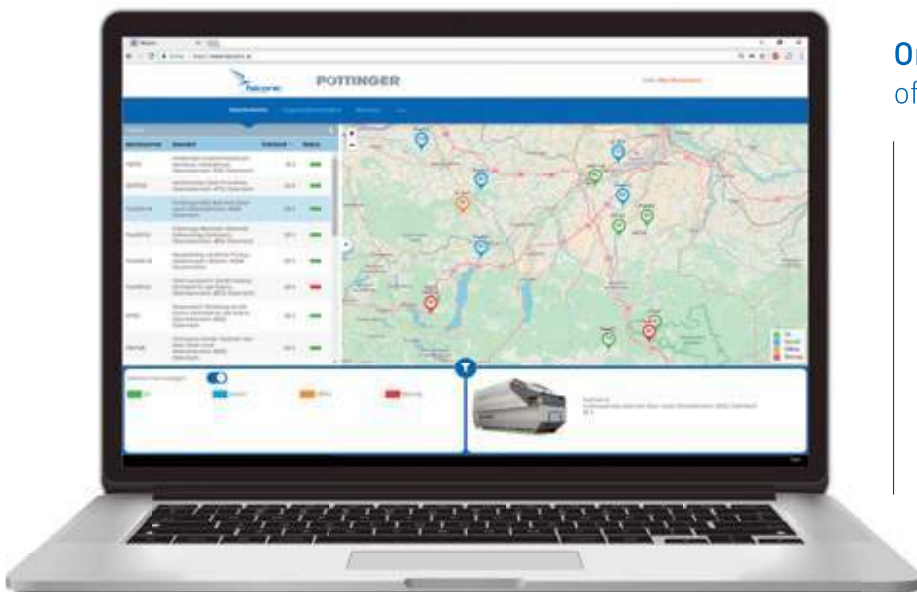
OPTIMIZE YOUR LOGISTICS



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



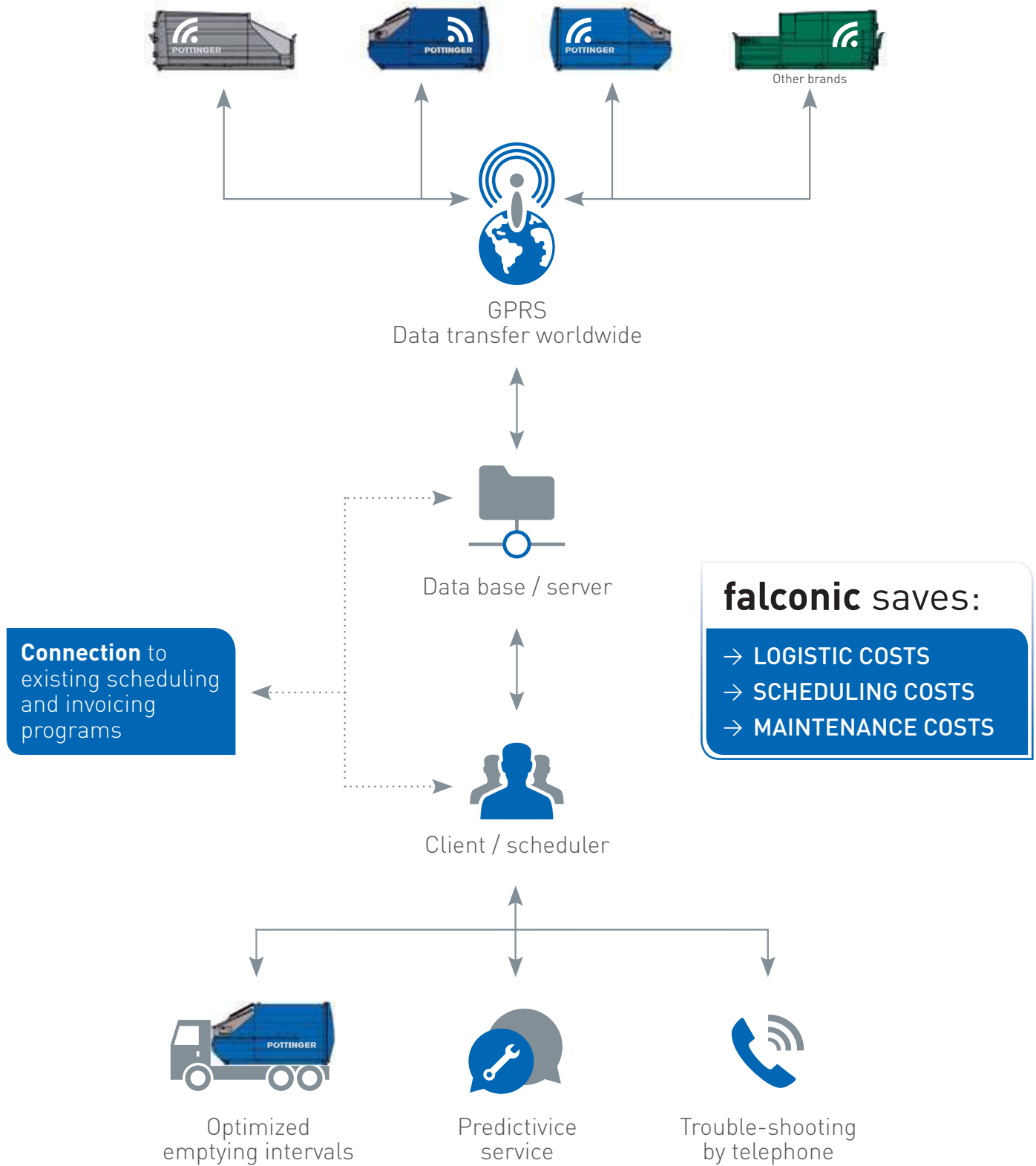
Online-adjustment of containers and location sites:

- 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



THE 7 QUALITY MARKS



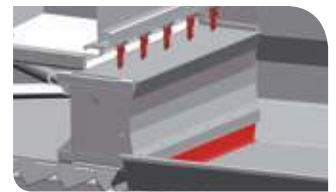
● ● ● ● ● ● ●
POWDER COATING



● ● ● ● ● ● ●
STABLE EXECUTION + 200%



● ● ● ● ● ● ●
LOAD TESTS



● ● ● ● ● ● ●
OPTIMUM MATERIAL GLOW,
GEOMETRIE OF THE PRESS



● ● ● ● ● ● ●
INNOVATIVE DESIGN



● ● ● ● ● ● ●
TEXTILE COVERINGS
WITH CAMO DESIGN



● ● ● ● ● ● ●
FALCONIC -
KEEP AN EYE ON EFFICIENCY

Technical modifications, mistakes or misprints reserved. 04/18





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