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MAY 2025

**699 LA TROBE STREET, DOCKLANDS
WASTE MANAGEMENT PLAN**

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699 La Trobe Street, Docklands
Waste Management Plan

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DOCUMENT CONTROL

REV	DATE	DETAILS
A	02/08/2023	Draft Waste Management Plan
B	13/10/2023	Operational Waste Management Plan
C	20/10/2023	Operational Waste Management Plan
D	20/08/2024	Operational Waste Management Plan
E	16/05/2025	Operational Waste Management Plan

	NAME	DATE	SIGNATURE
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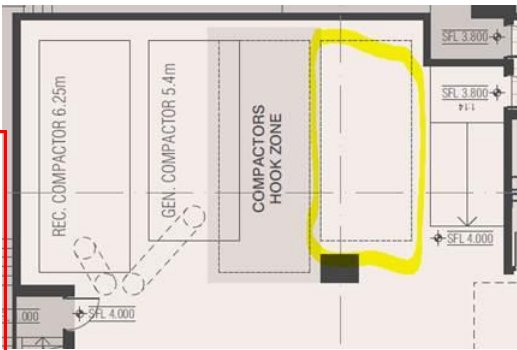
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RESPONSE TO AUTHORITY RFIs

A planning permit application for the subject development has been lodged (TPM-2025-5), to which the Department of Transport and Planning and City of Melbourne have raised a number of comments with regards to the Waste Management Plan.

This Waste Management Plan addresses these comments with responses as per Table 1 below.

Table 1 Response to Council RFIs

ITEM	RFI	RESPONSE
Department of Transport and Planning		
1	Item 6: Ensure the loading bay is designed to accommodate council's residential waste collection trucks. Safe clearances around waste collection vehicles should be provided in accordance with the council's waste management guidelines.	Ground Floor plan provided in Appendix A demonstrates appropriate clearances to accommodate council's residential waste collection trucks.
City of Melbourne		
2	With regards to the self-driving compactors proposal: more information is required to make a full assessment of this idea. See the plan diagram below: 	<div><div><div>This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright</div><div>1. Please clarify (by labelling) that the highlighted space is to be kept clear specifically for compactor manoeuvres. What is the clearance from the pillar when the smaller compactor is driven into this space?</div><div>2. Please provide more information / specifications for the proposed compactors.</div></div><div><div>1</div><div>Ground Floor plan provided in Appendix A has been updated to specify that the highlighted area is to be kept clear. Clearances are further marked in Appendix A.</div><div>2</div><div>As per previous correspondence between WSP and the City of Melbourne, there is precedent of another site within the Melbourne CBD currently operating under a similar setup. The compactor details from this site are proposed as the reference specification.</div><div>3</div><div>Overview of the weekly compactor collection strategy has been provided in Section 4.2.2. Further planning will be incorporated into the site's loading management plan, i.e. there will be a loading dock manager on site that will be ready to manage the compactor manoeuvre when council vehicles arrive, with prior notice from City of Melbourne where possible.</div><div>4</div><div>The swept path diagram provided in Appendix B demonstrates sufficient access for a 10.2m hooklift vehicle. This vehicle length functionally addresses both compactor sizes (lesser vehicle lengths expected in actual practice).</div></div></div>

ITEM	RFI	RESPONSE
	<p>3. Please also provide a written summary, within the WMP, of how the weekly compactor collection would work. It should be made clear that the building manager must be responsible for moving the compactors in and out of the hook lift zone. This may be needed at any time in a 24 hour period.</p> <p>4. Please provide a swept path diagram (showing the larger compactor in its collection position) that shows the clearance from the pillar.</p> <p>5. In general: the proposed arrangement using self-driving compactors does not appear to be workable from an operational perspective due to the need for the Council contractor to wait for compactors to be shuffled through the one space where they can be lifted and set down. It is the Building Manager's responsibility to ensure compactors are ready for pick up on collection day: but it appears that it will not be possible to have the recycling compactor ready in the collection position when the truck returns with the empty garbage compactor. Possible solutions include:</p> <ul style="list-style-type: none"> ○ Have only a recycling compactor and use bins for other streams. ○ Use a bin based solution due to difficulties with compactor placement. 	<p>5 Per the above. further planning will be incorporated into the site's loading management plan.</p> <div style="border: 2px solid red; padding: 10px; margin-top: 10px;"> <p>This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright</p> </div>
3	<p>Please provide a clearer elevation diagram showing the chamfered compactor and hook lift vehicle (at the highest point of lift). Note: section 4.2.2 states that compactors require a 5m height clearance. Please ensure document is consistent when talking about height clearance.</p>	<p>A clearer elevation diagram showing the chamfered compactor and hook lift vehicle is provided in Appendix C. Section 4.2.2 has been updated to reflect 4.5m height clear (under a chamfered compactor) for clarity.</p>
4	<p>Section 4.2.6: up to 6m³ of hard waste will be collected up to twice per month. Please also note this in tables 1, 6 and 9. Collection must be booked with City of Melbourne.</p>	<p>Report has been updated to reflect hard waste collection of up to 6m³ up to twice per month.</p>
5	<p>Table 6:</p> <ol style="list-style-type: none"> NB: small typo / error: weekly capacity provided by 35 x 120L x 3 collections = 12600L. If two compactors were to be operated: <ul style="list-style-type: none"> • A 15m³ compactor is excessive for an estimated 37845L of garbage. A 13m³ compactor will be sufficient • A 19m³ compactor is excessive for an estimated 50460L of commingled recycling (including glass). A 17m³ compactor will be sufficient. 	<ol style="list-style-type: none"> Table has been updated to reflect correct capacity. Report has been updated to reflect smaller compactor sizing. Refer also to Item 13 regarding recycling compactor sizing under long and short term scenarios.

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ITEM	RFI	RESPONSE
6	<i>A residential development of this scale must provide a charity bin for residents. Please list this in the appropriate tables and show on the plan drawings.</i>	Report and plan have been updated to reflect charity bin for residents.
7	<i>Takeaway café rates are suitable for the proposed “re-heat” kitchen, provided this means no fresh food preparation occurs onsite, and that all food is pre-packaged / pre-prepared elsewhere.</i>	Commercial waste generation assessment has been updated to include the ‘re-heat kitchen’ in the café area.
8	<i>Section 5.6.2: please edit to clarify that the cafe will not be sharing the residential hard waste space – there should be a separate and dedicated space for commercial hard waste. Café staff should not be entering the residential waste room and residents should not be entering the commercial waste room. Please ensure the location of bins in the plan drawings also reflect this.</i>	Separate hard waste areas have been provided in the Residential Waste Room and Commercial Hard Waste Room, with no sharing intended. Section 5.2.6 has been updated to reflect this.
9	<i>Table 12: the applicant could consider downsizing to a 660L commercial recycling bin and a 120L commercial glass bin.</i>	Noted – previous bin sizes of 1100L (recycling) and 240L (glass) have been retained.
10	<i>The WMP mentions a bin lifter in several places. Please clarify what this is for.</i>	Report has been updated to remove references to the bin lift.
11	<i>Please also provide a swept path diagram for an 8.8m vehicle collecting from the MRV bay.</i>	Swept path diagram for an 8.8m vehicle collecting from the MRV bay is provided in Appendix B.
12	<i>Is the unnamed laneway part of the property being developed? Or is it part of the neighbouring Channel Seven property?</i>	The unnamed laneway is part of Lot 1 land, and is included within easement rights. This has been clarified within the report.
13	<i>Note: Should Council be providing a dedicated glass collection service at the time the development commences operation, the recycling compactor should be downsized to account for the removal of glass from the commingled recycling stream. However, should the development become operational prior to Council providing a glass collection service, the larger compactor can be used. Once a Council glass collection service commences, the compactor must be downsized when the recycling compactor reaches its end of lease or requires replacement.</i>	Report has been updated to reflect both long term scenario (Council glass collection service available, smaller recycling compactor) and short term scenario (Council glass collection service not yet available, glass disposed into larger recycling compactor).

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WSP
May 2025
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1 SUMMARY

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

Located at 699 La Trobe Street, Docklands, the proposed project will deliver a mixed used development comprising of 560 residential apartments with residential amenities and commercial tenancies.

For operational efficiencies, independent waste systems have been allocated to the residential and commercial components of the development.

A dual chute system will be provided within the development for the disposal of residential garbage and commingled recycling. Access to the chutes is provided within a separate a residential waste disposal room on each residential floor, which also includes provisions for 1x 120L organics bin and 1x 120L glass bin, respectively.

Under long term conditions, residential waste will be collected through standard City of Melbourne service and commercial waste through a private contractor as outlined below.

An alternative short term collection arrangement is as noted in Section 4.3.2. Collection methodology (waste equipment types; collection methods; collection vehicle size, type, and access) will remain unchanged between long-term and short-term development conditions.

Table 2 Collection Summary (Long Term)

Waste Stream	Equipment	Collection Frequency	Collection Operator
Residential			
Garbage	1 x 13m ³ Compactor	1 x per week	City of Melbourne
Commingled Recycling	1 x 12m ³ Compactor		
Food Organics	35 x 120L Bins	3 x per week ²	
Glass ¹	43 x 120L Bins		
Hard Waste	Up to 6m ³	As required (up to 2 x per month)	
Charity	1 x 660L Bin	As required	Private Operator
Commercial			
Garbage	2 x 1100L Bins	1 x per week	Private Operator
Commingled Recycling	1 x 1100L Bins	1 x per week	
Paper/Cardboard	2 x 1100L Bins	1 x per week	
Food Organics	5 x 120L Bins	1 x per week	
Glass	1 x 240L Bins	1 x per week	
<p>¹ Note that an allowance for glass separation has been made. However, until such a time that council can collect the glass as a separate stream, it is expected that glass will be disposed of within the commingled recycling compactor. Therefore, the commingled recycling compactor has been sized to include the glass volumes.</p> <p>² Note that residential food organics and glass bins will be collected on alternate days. On collection days, building management will be responsible for transferring these bins to a temporary holding area in the ground floor residential waste room. As such these bins can occupy the same space in the residential waste room. Once bins have been emptied, the bins can be transferred back to their respective residential waste disposal room on each floor.</p>			

All waste collections shall occur onsite from the ground level loading dock. Collection vehicles up to 10.2m in length will enter and exit the site in a forward's direction via the unnamed laneway off La Trobe Street that runs along the eastern property boundary (refer to Appendix B for swept path diagrams).

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Collections will generally be undertaken as follows:

- **Hooklift Collection Vehicle (Compactors)** will reverse directly in line with the compactor(s) to perform lifting manoeuvre.
- **Rear Lift Collection Vehicle (Bins)** will prop within loading dock, with collection operators to collect and return bins directly from the waste stores.

Note: A 4.5 metre height clearance is provided at the point of compactor lift and a minimum height clearance of 4 metres is maintained throughout the hooklift collection vehicle path of travel. No services or utilities will be below the 4.5m compactor point of lift clearance or the 4.0m path of travel clearance for the hooklift collection vehicle.

Waste equipment will not be stored outside the title boundary. Building management will ensure sufficient access to the waste storage rooms is provided for collection vehicle operators during collection times. Typically, operators are provided with keypad/swipe card access to service doors as required.

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Waste Management Plan

2 INTRODUCTION

The following Waste Management Plan (WMP) has been prepared for the proposed mixed-use development at 699 La Trobe Street, Docklands.

This Waste Management Plan (WMP) and the waste generation rates therein have been prepared based on the City of Melbourne document *Guidelines for Waste Management Plans* (2021) and current best practice waste management methodology and technologies commonly available in Australia.

2.1 LAND USE

Client:	Salta Properties
Land Use Type:	Mixed Use
Town Planning No.:	TPM-2025-5
Number of Levels:	37 levels + 1 Basement level

Table 3 Development Summary

Residential	
Use	Quantity / Area
Apartment: One Bedroom / Studio	309 Apartments
Apartment: Two Bedroom	219 Apartments
Apartment: Three or more Bedroom	32 Apartments
Commercial	
Use	Quantity / Area
Café (incl. reheat kitchen)	253 m ²

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3 GREEN STAR CRITERIA ASSESSMENT

The Waste Management Plan (WMP) within this document follows best practice waste engineering systems. Table 4 provides a review of Credit 4 (Operational Waste) of *Green Star Buildings Submission Guidelines* (2020) criteria in comparison to this OWMP.

A summary of Credit 4 requirements is provided in Table 4 below.

Table 4 Green Star Criteria Assessment (Operational Waste)

Green Star Criteria (Operational Waste)	Waste Management Plan Response
Collection of Waste Streams: <i>The building must provide bins or storage containers to building occupants to enable them to separate their waste. These bins must be labelled and easy to access, and evenly distributed throughout the building. They must also allow for separating the following as a minimum:</i>	Bins will be distributed throughout the site as per Sections 4.1 and 5.2 and signed as per Section 6.2.
<ul style="list-style-type: none"> General waste going to landfill; 	General waste bins will be provided throughout each building of the site (refer Section 4.2.3).
<ul style="list-style-type: none"> Recycling streams to be collected by the building's waste collection service, including: <ul style="list-style-type: none"> - paper and cardboard - glass, and - plastic. 	Recycling bins will be provided throughout each building of the site (refer Section 4.2.3). Separate collection of commingled containers, paper / cardboard and glass will be provided as core recyclables (waste collected under fixed schedules), with additional collections for soft plastics and polystyrene (amongst other further streams) as extended recyclables (refer Section 4.1).
<ul style="list-style-type: none"> One other waste stream representing at least 1% of the total annual operational waste (by volume) of the building. This may include collecting any of the following waste types: organics, e-waste, batteries etc. 	Further storage provisions have been made for a number of additional waste streams, including food organics (refer Section 4.1).
Dedicated waste storage area <i>A dedicated area, or areas, for the storage and collection of the applicable waste streams must be provided. The storage area must be sized to accommodate all bins or containers, for all applicable waste streams, for at least one collection cycle.</i>	Detail of waste storage is provided in Sections 4.4 and 0.
<i>The calculations used to demonstrate that the area provided is adequately sized to handle the recyclable waste streams specified must be based on:</i> <ul style="list-style-type: none"> Forecasted waste generated by occupants; and 	A waste generation estimate (basis of waste equipment provision and storage requirements) is provided in Sections 4.1 and 5.1. Collection frequency detail is provided in Sections 4.5 and 5.5.
<ul style="list-style-type: none"> The calculations for waste generation rates must be based on figures outlined within third-party best practice guidelines. See <i>Guidance on Process Information</i>. 	Waste generation rates set by the council have been used to estimate waste volumes. Waste generation rates can be found in Section 4.1 and 5.1.
<ul style="list-style-type: none"> The storage area must be sized to ensure safe access by collection vehicles. This includes driveway access to the building, any onsite roads and loading docks, and the storage areas themselves providing safe and easy access for bins to be emptied into collection vehicles. 	Waste collection positions are directly adjacent to and at grade with each waste room for ease of collections. Detail of waste storage is provided in Sections 4.4 and 0. Detail of waste collection is provided in Sections 4.5 and 5.5
Signoff by waste specialist and/or contractor <i>A waste specialist and/or contractor must sign-off on the designs to confirm they are adequately sized and located for the safe and convenient storage and collection of the waste streams identified.</i>	Refer to Appendix D for sign off by a qualified waste auditor.

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4 RESIDENTIAL WASTE MANAGEMENT PLAN

The following section outlines proposed waste management systems for the residential uses of the subject development.

4.1 WASTE GENERATION

Waste generation rates are provided in Table 5 and a waste generation assessment in Table 6. Calculations assume a 7 day per week operation for all residential apartments.

Note the below recycling rates represent the full residential commingled recycling entitlement as currently documented under the City of Melbourne waste guidelines. If City of Melbourne offer a separate glass collection service under future conditions in which the site is operational and the subject site is suitably poised to make use of this service, commingled recycling entitlement will decrease from that documented in this report.

Any areas considered ancillary to the residential dwellings including the residential amenities on level 7 and 37; level 1 co-working space; ground floor lounge spaces and residents bike workshop, are not considered to generate additional waste and are as such are not included in the below assessment. Waste generated in these ancillary areas is considered part of general residential waste generation.

Table 5 Residential Waste Generation Rates

Use	Metric	Waste Generation Rates (per week)			
		Garbage	Recycling	Food Organics	Glass
One-bedroom dwelling	L/quantity	60	56	20	24
Two-bedroom dwelling	L/quantity	75	70	25	30
Three-bedroom dwelling	L/quantity	90	84	30	36

Table 6 Residential Waste Generation Assessment

Use	Quantity / Area	Waste Generation Assessment (L/week)			
		Garbage	Recycling	Food Organics	Glass
One Bedroom / Studio	309 Apt	18,540	17,304	6,180	7,416
Two Bedroom	219 Apt	16,425	15,330	5,475	6,570
Three or more Bedroom	32 Apt	2,880	2,688	960	1,152
TOTAL		37,845	35,322	12,615	15,138

4.2 WASTE SYSTEMS

Residential waste shall be sorted on-site as appropriate into the following streams:

Core Waste Streams

- Garbage (General Waste)
- Commingled Recycling
- Food Organics
- Glass

Extended Waste Streams

- Hard Waste & Electronic Waste
- Charity Goods

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4.2.1 DUAL CHUTE SYSTEMS

A dual chute system will be provided within the development for the disposal of residential garbage and commingled recycling. Access to the chutes is provided within a separate a residential waste disposal room on each residential floor, which also includes provisions for 1x 120L organics bin and 1x 120L glass bin, respectively.

One chute will be dedicated to garbage and the other to commingled recycling, each terminating directly into dedicated compactors within the ground level loading dock (refer to Appendix A).

Chute doors and bins will be signed appropriately, and education given to residents/staff/cleaners regarding waste disposal.

Rubber skirting is to be provided at the end of the chutes to ensure debris from chute will not create a risk to operators.

4.2.2 COMPACTORS

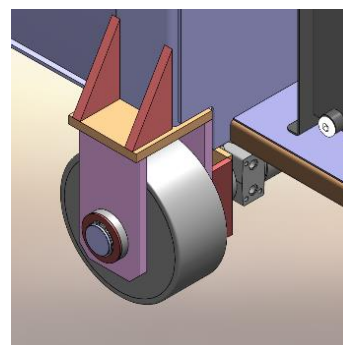
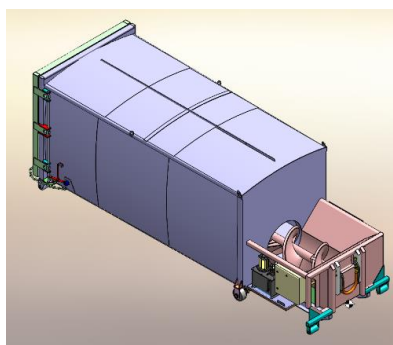
Compactors will be utilised for managing both garbage and commingled recycling extending from the residential apartments. Compactors typically compress their contents to one third (1/3) of its original volume and are collected via a hook lift truck which situates itself in front of the compactor and pulls it onto the base of the truck.

- To accommodate collection vehicle servicing and height clearance limitations within the ground floor loading dock area, both the garbage and recycling compactors will be custom designed to include the following features: **Self-driving Function:** Each compactor shall be retrofitted with a self-driving mechanism (see Figure 1) that allows the compactor to move sideways (in an east-west direction) within the loading dock. On collection days, the compactor/s will be moved sideways into a designated collection position to accommodate hooklift collection. During collection, the respective chute system shall be closed to control waste whilst the compactor is not situated below the chute.

A loading dock manager (or equivalent) will be available on site to manage the compactor manoeuvre when council collection vehicles arrive, with prior notice from council where possible. Further planning will be incorporated into the site's loading management plan.

- **Chamfered Compactor:** This hooklift truck manoeuvre typically requires a maximum height clearance of 5m at point of lift. However, both compactors shall be chamfered along top corner of hooklift end (see figures below) of unit to allow for 4.5m height clearance at the point of lift.

Figure 1 Self-driving Compactor Examples



Self-driving compactor examples

(Note: Compactor wheels can be oriented to move compactor in either a forward-backward or sideways direction)

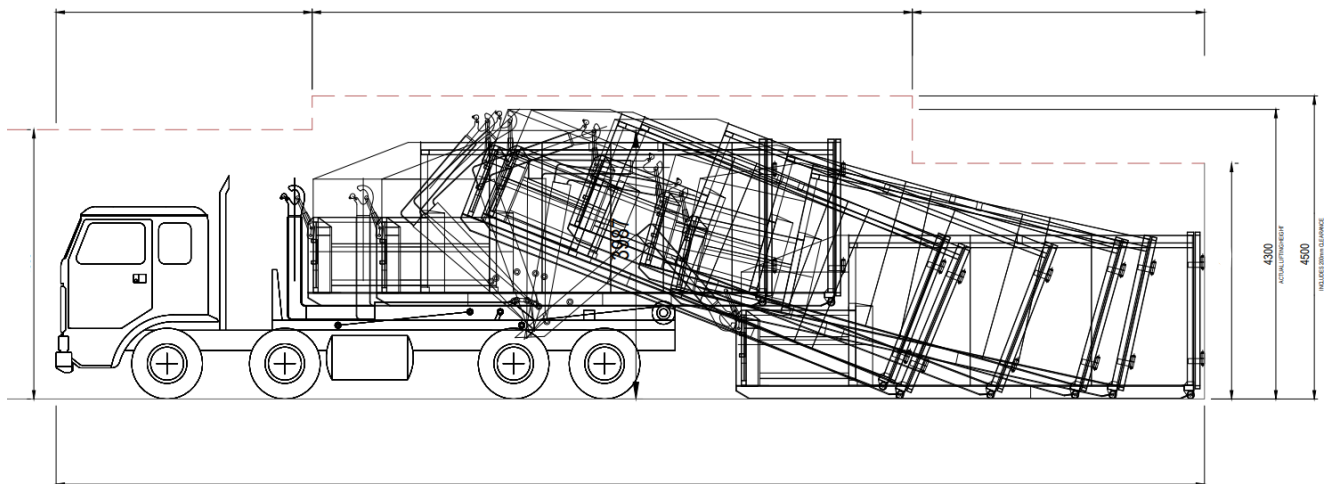
Driving wheel.

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Figure 2 Chamfered Compactor Lifting Sequence



Note: High resolution image is provided in Appendix C

4.2.3 GARBAGE, COMMINGLED RECYCLING

Each dwelling shall have provision for plastic bins for the temporary holding of garbage and commingled recyclables. Residents will transfer the waste from these bins as required to the appropriate waste chute, as shown in Appendix A. Waste will travel through the chute system and be deposited directly into the compactors at ground level.

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

Building management will assist with the disposal of large cardboard into the commingled recycling compactor or hard waste area as required.

4.2.4 FOOD ORGANICS

120L food organics drop-off bins will be provided within the residential waste disposal room, provided on each residential and residential amenities floor, for the immediate disposal of food organics waste (refer Appendix A). Appropriate signage shall support accurate deposit of this waste stream.

To assist in the transfer of organic waste, each dwelling shall have provision for “kitchen caddies” for the temporary holding of food organics waste. Residents will be able to transfer organic waste from their respective “kitchen caddies” to the food organics drop-off bin as required. Kitchen caddies may be lined with biodegradable bags (i.e., corn-starch bags) or paper (i.e., newspaper) if desired.

4.2.5 GLASS

It is noted that the City of Melbourne is likely to offer glass collection service for residents in the future. As such, provisions for 120L glass drop-off bins have been made within the residential chute rooms, provided on each residential and residential amenities floor (refer Appendix A). Appropriate signage shall support accurate deposit of this waste stream.

If not, residents must be notified for any glass bins should be secured such that residents can readily dispose of waste but cannot reach the bins and glass waste within (i.e., one-way feed system through enclosed bins or limited bin opening).

If pursued, building management / cleaners will transfer the 120L bins to the ground floor residential waste room prior to collection, and will immediately return bins to the residential chute rooms following collections.

4.2.6 HARD WASTE & ELECTRONIC WASTE

Hard waste and electronic waste generated by residents shall be stored in the dedicated 6m² area provided in the ground floor residential waste room. Provisions for a 660L e-waste bin has also been provided for disposal of smaller items such

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as keyboards, tables, phones, etc. Building management will assist residents in the transfer of hard waste and e-waste between residential levels and the ground floor as required.

Building management (or equivalent) will be responsible for management of the hard waste area and arranging collection of hard waste & electronic waste as required. In line with City of Melbourne guidelines, up to 6m³ of may be collected up to twice per month.

4.2.7 CHARITY GOODS

A 660L charity deposit bin for the disposal of high quality charitable goods (such as clothing or sporting goods) will be provided in the ground floor residential waste room (refer Appendix A).

The Building Manager is to select a charity who is to provide the bins and perform collections on an “as required” basis.

4.3 EQUIPMENT QUANTITY, SIZE AND COLLECTION FREQUENCY

4.3.1 LONG TERM CONDITIONS (POST-GLASS ROLLOUT)

Table 7 contains information regarding equipment size and collection frequency for residential uses of the development **under long-term development conditions in which the City of Melbourne operate a separate residential glass waste service.**

As per industry standard, a 3:1 compaction ratio (i.e., 1/3 volume reduction) has been adopted for the garbage and commingled recycling compactors.

Table 7 Residential Waste Equipment: Information and Capacity (Long Term)

Waste Source	Equipment	Collections Per Week	Weekly Capacity	Weekly Volume
Garbage	1 x 13m ³ Compactor	1	39,000L	37,845L
Recycling	1 x 12m ³ Compactor	1	36,000L	35,322L
Food Organics	35x 120L Bins	3	12,600L	12,615L
Glass	43x 120L Bins	3	15,480L	15,138L
Hard Waste	Up to 6m ³	As required (up to 2 x per month)	N/A	
Charity	1x 660L Bin	As required	N/A	

4.3.2 SHORT TERM CONDITIONS (PRE-GLASS ROLLOUT)

Table 8 outlines the equipment size and collection frequency for residential uses of the development **under short-term development conditions in which the City of Melbourne may not yet operate a separate residential glass waste service.**

As per industry standard, a compaction ratio of 3:1 is anticipated for both the garbage and recycling compactors. WSP understands that higher ratios can be achieved under certain conditions.

Note that the below assessment is provided for discussion only. Given the Victorian Government has mandated that Council provide a separate glass service by 2027, WSP note that the subject development is not expected to be constructed by the time that City of Melbourne offer a separate glass service, and that the below waste equipment arrangement is highly unlikely to ever be realised.

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Table 8 Residential Waste Equipment: Information and Capacity (Short Term if required)

Waste Source	Equipment	Collections Per Week	Weekly Capacity	Weekly Volume
Garbage	1 x 13m ³ Compactor	1	39,000L	37,845L
Recycling	1 x 17m ³ Compactor	1	51,000L	50,460L*
Food Organics	35x 120L Bins	3	12,600L	12,615L
Hard Waste	Up to 6m ³	As required (up to 2 x per month)	N/A	
Charity	1x 660L Bin	As required	N/A	
*While council does not provide a glass collection service it is expected that it will be managed within the recycling compactor. Therefore, the compactor has been sized to accommodate both commingled recycling and glass volumes.				

4.3.3 EQUIPMENT DIMENSIONS

Typical equipment dimensions are shown in Table 9 below. Note that the specifications are for reference only and must be confirmed with the nominated supplier prior to any works commencing.

Table 9 Typical Equipment Dimensions

Item	Width (mm)	Depth (mm)	Height (mm)
12m ³ Compactor	5,000	2,480	2,490
13m ³ Compactor	5,000	2,480	2,490
17m ³ Compactor	5,500	2,480	2,490
120L Bin	480	545	930

4.4 WASTE STORAGE AREA & LOCATION

Table 10 demonstrates the cumulative area requirements (excluding circulation) and provision of waste areas. Please refer to scaled waste room drawing shown in Appendix A.

Table 10 Residential Waste Storage Area Requirement

Waste Store	Level	Item	Area Required	Area Provided
Waste Compactors	Ground	1x 13m ³ Compactor (Garbage Compactor)	12.40 m ²	75.00 m ²
		1x 12m ³ Compactor (Recycling Compactor)	12.40 m ²	
Residential Waste Room	Ground	43x 120L Temporary Bins (Food Organics & Glass)	11.18 m ²	62.00 m ²
		1x 660L Bins (E-Waste)	0.98 m ²	
		Hard Waste	6.00 m ²	
		Charity Goods	1.00 m ²	
TOTAL			43.96 m ²	137.00 m ²

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4.5 RESIDENTIAL WASTE COLLECTION METHODOLOGY

Residential waste will be collected via City of Melbourne collection service as outlined in Table 11.

Table 11 Residential Waste Collection Summary

Waste Stream	Equipment	Collection Frequency	Collection Operator
Garbage	1 x 13m ³ Compactor	1 x per week	City of Melbourne
Commingle Recycling	1 x 12m ³ Compactor		
Food Organics	35 x 120L Bins	3 x per week ²	
Glass ¹	43 x 120L Bins		
Hard Waste	Up to 6m ³	As required (up to 2 x per month)	
Charity	1 x 660L Bin	As required	Private Operator

¹ Note that an allowance for glass separation has been made. However, until such a time that council can collect the glass as a separate stream, it is expected to be disposed of within the commingle recycling compactor. Therefore, the commingle recycling compactor has been sized to include the glass volumes.

² Note that residential food organics and glass bins will be collected on alternate days. On collection days, building management will be responsible for transferring these bins to a temporary holding area in the ground floor residential waste room. As such these bins can occupy the same space in the residential waste room. Once bins have been emptied, the bins can be transferred back to their respective residential waste disposal room on each floor.

All residential waste collections shall occur onsite from the ground level loading dock. Collection vehicles up to 10.2m in length will enter and exit the site in a forward's direction via the unnamed laneway off La Trobe Street that runs along the eastern property boundary (note: laneway is part of Lot 1 land, and is included within easement rights). Swept path diagrams are provided in Appendix B.

Collections will generally be undertaken as follows:

- **Hooklift Collection Vehicle (Compactors)** will reverse directly in line with the compactor(s) to perform lifting manoeuvre.
- **Rear Lift Collection Vehicle (Bins)** will prop within loading dock, with collection operators to collect and return bins directly from the waste stores.

Note: A 4.5 metre height clearance is provided at the point of compactor lift and a minimum height clearance of 4 metres is maintained throughout the hooklift collection vehicle path of travel. No services or utilities will be below the 4.5m compactor point of lift clearance or the 4.0m path of travel clearance for the hooklift collection vehicle.

Waste equipment will not be stored outside the title boundary. Building management will ensure sufficient access to the waste storage rooms is provided for collection vehicle operators during collection times. Typically, operators are provided with keypad/swipe card access to service doors as required.

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5 COMMERCIAL WASTE MANAGEMENT PLAN

The following section outlines the proposed waste management systems for the commercial uses of the subject development.

It should be noted that the following ancillary areas throughout the development are provided for use by residential tenants only and is not intended to be utilised for commercial operation.

- Ground floor lounge spaces and residents bike workshop.
- Level 1 co-working space.
- Level 7 and 37 residential amenities (e.g., pool, gym, outdoor garden, private dining rooms).

Waste generated from these spaces is addressed in Section 4.1.

Only the ground floor café area has been considered commercial in operation for the purpose of calculating waste generation volumes.

5.1 WASTE GENERATION

Waste generation rates are provided in Table 12 and a waste generation assessment in Table 13. Calculations assume a 7 day per week operation for all commercial uses.

A takeaway café rate, as per City of Melbourne commercial waste generation rates, has been applied to the ground floor café and reheat spaces.

Table 12 Commercial Waste Generation Rates

Use	Metric	Waste Generation Rates (per week)				
		Garbage	Recycling	Cardboard	Food Organics	Glass
Café	L/100m ²	840	300	700	210	50

Table 13 Commercial Waste Generation Assessment

Use	Quantity / Area	Waste Generation Assessment (L/week)				
		Garbage	Recycling	Cardboard	Food Organics	Glass
Café	253 m ²	2,125	759	1,771	531	127
TOTAL		2,125	759	1,771	531	127

5.2 WASTE SYSTEMS

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

Core Waste Streams

- Garbage (General Waste)
- Commingled Recycling
- Cardboard
- Food Organics
- Glass

Extended Waste Streams

- Hard Waste & Electronic Waste

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5.2.1 DISPOSAL FACILITIES

Throughout the facility it will be ensured that it is as easy to dispose of recyclable waste as it is garbage. This will be achieved by ensuring the development is appropriately furnished with bin stations throughout ancillary spaces and communal areas. Clear signage is to be appropriately displayed in combination with the bin stations to identify the segregation of waste streams and correct use of the bins.

The use of bin stations (see Figure 3) within communal areas, are highly recommended to encourage separation of recyclables. This system incorporates the provision of multiple bins for different waste streams at central locations and common areas for ease of disposal. This system is beneficial as users are required to make a conscious decision as to which bin they place their items in. This typically results in an increase in diversion from landfill.

The use of bin stations also reduces the amount of locations cleaners are required to service throughout the development.

Figure 3 Examples of Retail Bin Station Application



Brand: Ecobins



Brand: Method Bins

5.2.2 GARBAGE & COMMINGLED RECYCLING

The café space shall have provision for plastic lined garbage and commingled recycling bins for the temporary holding of waste, to have minimum cumulative holding capacities as deemed appropriate by commercial management. Staff/cleaners will access the ground floor commercial waste room directly to dispose of garbage and commingled recycling waste within the appropriate 1100L bins provided.

General waste will be disposed of bagged, and commingled recycling will be disposed of loosely.

5.2.3 CARDBOARD

The café space shall have provisions for the temporary holding of cardboard waste as deemed appropriate by the occupant(s). Staff/cleaners will access the ground floor commercial waste room directly to dispose of cardboard waste within the appropriate 1100L bins provided.

Large cardboard items are to be broken down and flattened prior to disposal.

5.2.4 FOOD ORGANICS

The café space shall be furnished with small bins/tubs (see Figure 4) for the separation and temporary holding of food waste as deemed appropriate by the occupant(s). Staff/cleaners will transfer and empty these bins/tubs into the larger 1100L Organic bins provided in the ground floor commercial waste room as required.

Figure 4 Example Food Organics Tubs / Caddys



20L Organics Tubs



23L Organics Caddy/Bin



7L Maze Kitchen Caddy

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5.2.5 GLASS

The café space shall have provision for glass bins for the temporary holding of waste, to have minimum cumulative holding capacities as deemed appropriate by commercial management.

Glass waste from commercial operations is to be disposed of loosely within the 240L bins in provided within commercial waste room. Any plastic liners used for transfer is to be disposed of within the garbage bins.

5.2.6 HARD WASTE & ELECTRONIC WASTE

Hard waste and electronic waste generated from the café space shall be stored in the dedicated 4m² area provided in the ground floor commercial waste room. Provisions for a 240L e-waste bin has also been provided for disposal of smaller items such as keyboards, tables, phones, etc. Building management will assist tenants in the transfer of hard waste and e-waste between the café space and the commercial waste room as required.

Building management to organise hard waste & electronic waste collection via a private contractor as required.

5.3 EQUIPMENT QUANTITY, SIZE AND COLLECTION FREQUENCY

Table 14 contains information regarding equipment quantity, size and frequency of collection required for the core waste streams generated from the residential uses of the development.

Table 14 Commercial Waste Equipment: Information and Capacity

Waste Source	Equipment	Collections Per Week	Weekly Capacity	Weekly Volume
Garbage	2 x 1,100L Bins	1	2,200L	2,125L
Recycling	1 x 1,100L Bin	1	1,100L	759L
Cardboard	2 x 1100L Bins	1	2,200L	1,771L
Food Organics	5 x 120L Bin	1	600L	531L
Glass	1 x 240L Bins	1	240L	127L

Typical equipment dimensions are shown in Table 15 below. Note that the specifications are for reference only and must be confirmed with the nominated supplier prior to any works commencing.

Table 15 Typical Equipment Dimensions

Item	Width (mm)	Depth (mm)	Height (mm)
1100L Bin	1240	1070	1330
240L Bin	730	585	1060
120L Bin	480	545	930

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5.4 WASTE STORAGE AREA & LOCATION

Table 16 demonstrates the cumulative area requirements (excluding circulation) and provision of waste areas. Please refer to scaled waste room drawing shown in Appendix A.

Table 16 Commercial Waste Storage Area Requirement

Waste Store	Level	Item	Area Required	Area Provided
Commercial Waste Room	Ground	5x 1100L Bins (Garbage, Recycling & Cardboard)	6.65 m ²	37.00 m ²
		2x 240L Bins (Glass & E-Waste)	0.86 m ²	
		5x 120L Bins (Food Organics)	1.31 m ²	
		Hard Waste	4.00 m ²	
TOTAL			12.82 m ²	37.00 m ²

5.5 COMMERCIAL WASTE COLLECTION METHODOLOGY

Commercial waste will be collected through private contractor services as outlined in Table 17 below.

Table 17 Commercial Waste Collection Summary

Waste Stream	Equipment	Collection Frequency	Collection Operator
Garbage	2x 1100L Bins	1 x per week	Private Operator
Commingles	1x 1100L Bins	1 x per week	
Paper/Cardboard	2x 1100L Bins	1 x per week	
Food Organics	5x 120L Bins	1 x per week	
Glass	1x 240L Bins	1 x per week	

All waste shall be collected from the internal loading dock on the ground level via an MRV or smaller sized collection vehicle or smaller. Collection vehicles will enter and exit the site in a forward's direction via the unnamed laneway off Latrobe Street that runs along the eastern property boundary (note: laneway is part of Lot 1 land, and is included within easement rights). The collection vehicle will prop within the loading dock adjacent to the commercial waste room with operators to collect bins directly from the commercial waste room and return them immediately upon emptying. Swept path diagrams are provided in Appendix B.

Waste equipment will not be stored outside the title boundary. Building management will ensure sufficient access is provided for collection vehicle operators during collection times. Typically, operators are provided with keypad/swipe card access to service doors as required.

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6 ADDITIONAL INFORMATION

6.1 STANDARDS & COMPLIANCE

6.1.1 VENTILATION

Ventilation will be provided in accordance with Australian Standard AS1668.

6.1.2 WASHING AND VERMIN PROTECTION

Each waste room will be fitted with wash down facilities including a floor waste point, draining via sewer, and access to tap/hose connection to allow for regular washing of bins and the waste room itself by maintenance staff (or equivalent).

Alternatively, a third-party bin washing service can be engaged to perform this service. Bin washing suppliers must retain all wastewater to within their washing apparatus and not impact on the drainage provisions of the site.

6.1.3 NOISE REDUCTION

All waste areas shall meet BCA and AS2107 acoustic requirements as appropriate with operational hours and collection times assigned to minimise acoustic impact on surrounding premises.

6.2 SIGNAGE

Waste storage areas, bins and equipment will be clearly marked and signed with the industry standard signage approved by City of Melbourne (such as that illustrated in Figure 5 below) or equivalent.

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

Figure 5 City of Melbourne Waste Signage



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6.3 BIN COLOUR AND SUPPLIER

All bins will be supplied by a private supplier. The below bin colours are specified by Australian Standard AS4123.7 2006, however these are only recommendations and are not mandatory:

- Garbage (general waste) bins shall have red lids with dark green or black body.
- Commingled recycling bins shall have yellow lids with dark green or black body.
- Paper/Cardboard bins shall have blue lids with dark green or black body.
- Food organics bins shall have burgundy lids with dark green or black body.
- Glass bins shall have orange lids with dark green or black body.
- Electronic Waste bins shall have white lids with dark green or black body.

6.4 HIGH LEVEL PURCHASING SCHEDULE

Table 18 lists the waste equipment required for the development under the conditions proposed within this report. A complimentary list of suppliers is provided for convenience.

Table 18 Equipment Supply Schedule

Item	Qty	Colour	Supplier	Typical Services Requirement(s)**
13m ³ Garbage Compactor	1	Body: Red	Private Supplier (Wastech or equivalent)	Power: 415V 32A Power per unit
12m ³ Recycling Compactor	1	Body: Yellow	Private Supplier (Wastech or equivalent)	Power: 415V 32A Power per unit
Dual Chute (Garbage & Recycling)	1	nil	Private Supplier (Wastech or equivalent)	Power: 2 x 240V 10A Power (at roof for ventilation fan) Water: Cold water connection (at roof for flushing nozzles)
660L E-Waste Bins	1	Lid: White Body: Dark Green / Black	Private Supplier* (SULO or equivalent)	nil
120L Food Organics Bins (Residential)	35	Lid: Burgundy Body: Dark Green / Black	City of Melbourne	nil
120L Glass Bins (Residential)	43	Lid: Purple Body: Dark Green / Black	City of Melbourne	nil
1100L Garbage Bins	2	Lid: Red Body: Dark Green / Black	Private Supplier* (SULO or equivalent)	nil
1100L Recycling Bins	2	Lid: Yellow Body: Dark Green / Black	Private Supplier* (SULO or equivalent)	nil
500L Cardboard Bins	2	Lid: Blue Body: Dark Green / Black	Private Supplier* (SULO or equivalent)	nil
240L Glass Bins	1	Lid: Purple Body: Dark Green / Black	Private Supplier* (SULO or equivalent)	nil
240L E-Waste Bins	1	Lid: White Body: Dark Green / Black	Private Supplier* (SULO or equivalent)	nil
120L Food Organics Bins (Commercial)	5	Lid: Burgundy Body: Dark Green / Black	Private Supplier* (SULO or equivalent)	nil

*Private waste collection contractors often supply their own bins for collection.
 **Services requirements are indicative only and must be confirmed with the manufacture prior to commencement of construction

6.5 SUPPLIER CONTACT INFORMATION

A complimentary listing of contractors and equipment suppliers is provided in Table 19 below for your reference. You are not obligated to procure goods/services from these companies. This is not, nor is it intended to be, a complete list of available suppliers. WSP does not warrant (or make representations for) the goods/services provided by these suppliers.

Table 19 Supplier Contact List

Service Type	Contractor / Supplier Name	Phone	Website
Private Waste Collectors	Citywide Service Solutions	(03) 9261 5000	www.citywide.com.au
	SUEZ Environment	13 13 35	www.sita.com.au
	Cleanaway	13 13 39	www.cleanaway.com.au
	Veolia	132 955	www.veolia.com
Equipment Suppliers	Wastech Engineering (Compactors, Chutes)	(03) 8787 1600	www.wastech.com.au
	Bucher Municipal (Compactors)	(03) 9271 6400	www.buchermunicipal.com/au/en
	ASI JD MacDonald (Chutes)	(03) 8558 7200	www.jdmacdonald.com.au
	Sulo Australia (Bins)	1300 364 388	www.sulo.com.au
Bin Washing Services	The Bin Butlers	1300 788 123	www.thebinbutlers.com.au
	Kerbside Clean-A-Bin	(03) 9830 7381	www.kerbsidecleanabin-srp.com.au
	Calcorp Services	1800 225 267	www.calcorpservices.com.au
	WBCM Environmental Australia	1300 800 621	www.wbcm-aust.com.au
E-waste Collection Services	TechCollect	1300 229 837	www.techcollect.com.au
	Mobile Muster (Mobile Phones)	1800 249 113	www.mobilemuster.com.au
	ToxFree (Secure E-waste Destruction)	1300 869 373	www.toxfree.com.au

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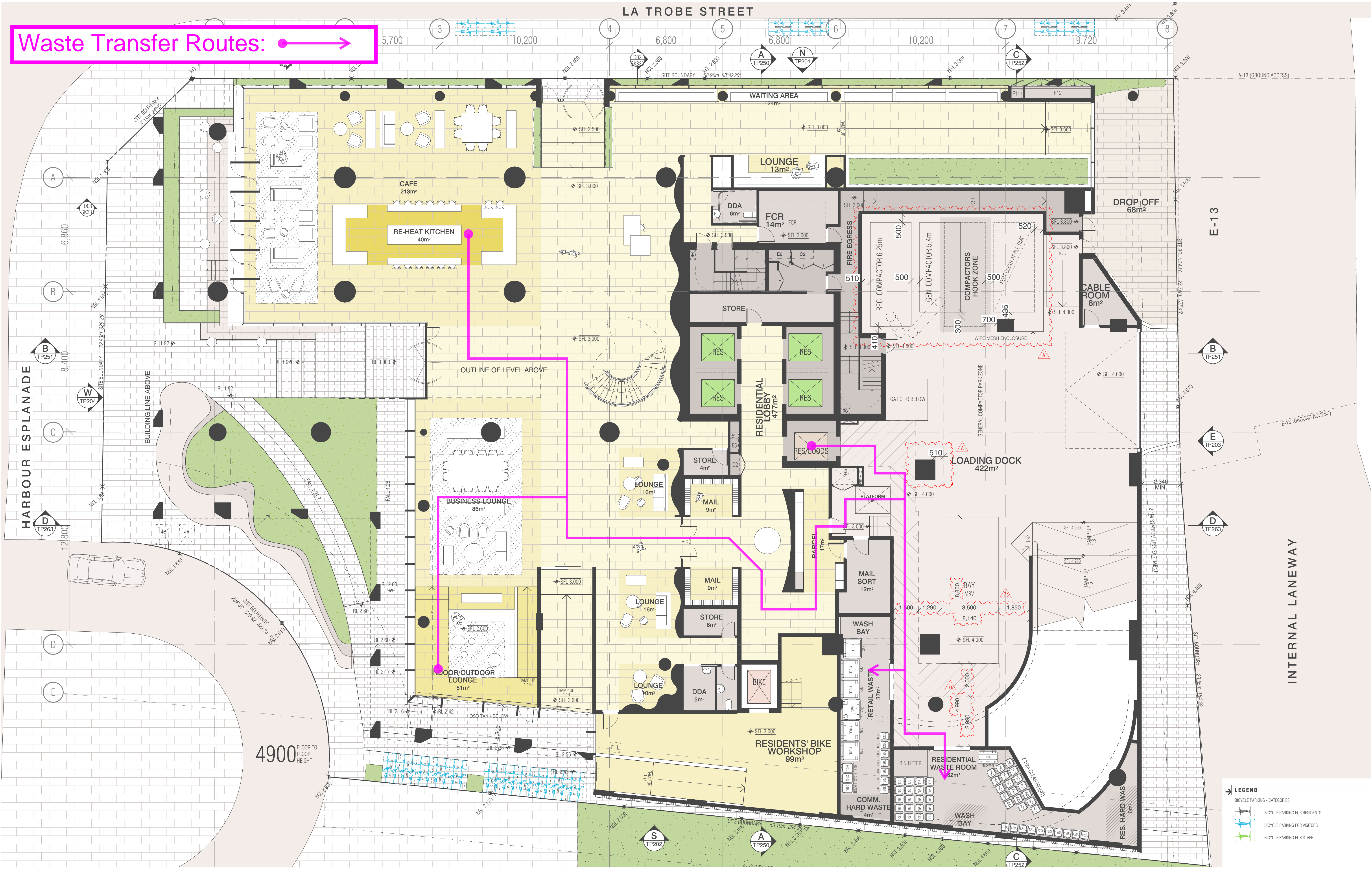
APPENDIX A

SCALED WASTE ROOM DRAWINGS

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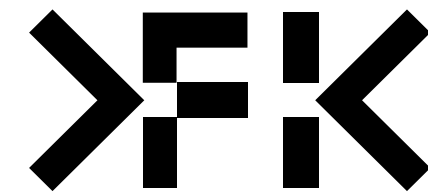
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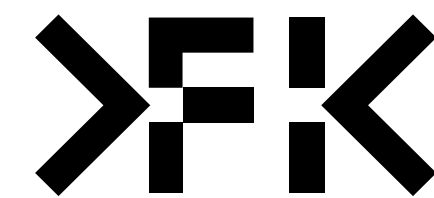
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DATE OF REVIEW: 31.08.2023
DATE OF REVIEW: 12.05.2025

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DIMENSIONS ONLY. SEEK CLARIFICATION OF INCONSISTENCIES / CONFLICTS.

DRAWN	DATE	CHECKED	PLOT DATE	JOB NO.	SCALE
GH	30.01.2025	KT	12.05.2025	22010	1:100@A1

PROJECT

699 LA TROBE ST
699 LATROBE ST
DOCKLANDS VICTORIA 3008

DRAWING TITLE

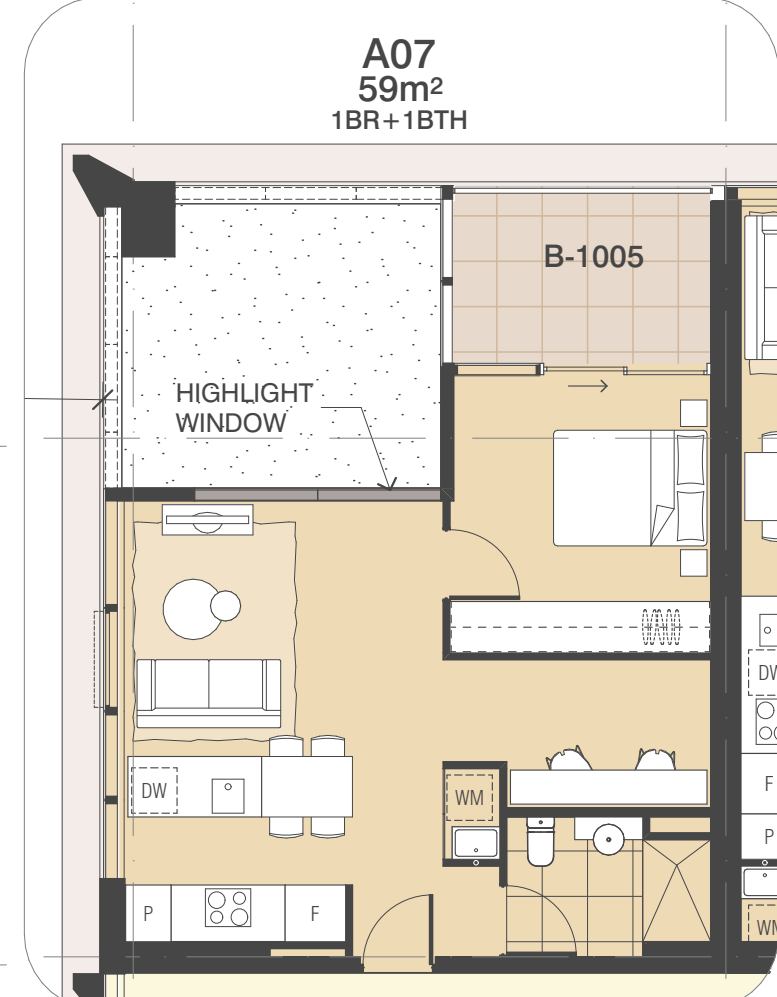
LEVEL 02 FLOOR PLAN

WWW.FKAUSTRALIA.COM
2 RIVERSIDE QUAY, SOUTHBANK
VICTORIA 3006 AUSTRALIA
TELEPHONE: +61 3 8696 3888
FENDER KATSAIDIS (AUST) PTY LTD ACN 092 943 032

ISSUE PURPOSE

TOWN PLANNING

REV. B
DRAWING NO. TP102



PD01 LEVEL 10,13,16,19,22,25 & 28
SCALE 1:100@A1

B
TP251
B05
87m²
2BR+2BTH

A LIGHT AND AIR EASEMENT WILL BE APPLIED AS PART OF THE PLANNING APPLICATION. REFER TO THE SUBMITTED PLANNING DOCUMENTS FOR DETAILS.

E
TP203

INTERNAL LANEWAY

BIMcloud: fkaasprbm01 - BIMcloud 22010 699 La Trobe Street BTR/00 BIM MODELS/SD_TP-0A/CENTRAL MODELS/22010 General

REVISION			
-	TOWN PLANNING ISSUE	KT	20.10.2023
A	TOWN PLANNING SUBMISSION	KT	21.08.2024
> B	TOWN PLANNING SUBMISSION	KT	30.01.2025

ADVERTISED
PLAN

QUALITY ASSURANCE	(FK IS A CERTIFIED COMPANY TO ISO 9001:2015)
THIS PROJECT IS SUBJECT TO THE FK QUALITY ASSURANCE SYSTEM	
■	SCHEMATIC DESIGN REVIEW FOR THIS PROJECT IS COMPLETE. DATE OF REVIEW: 31.08.2023
■	DESIGN DEVELOPMENT REVIEW FOR THIS PROJECT IS COMPLETE. DATE OF REVIEW: 12.05.2025
■	TENDER DOCUMENTATION REVIEW FOR THIS PROJECT IS YET TO BE COMPLETED.
■	CONSTRUCTION DOCUMENTATION REVIEW FOR THIS DRAWING IS YET TO BE COMPLETED.
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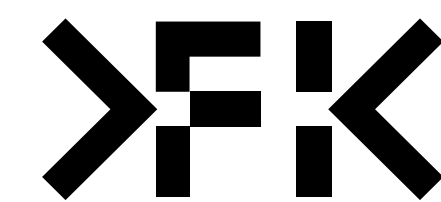
DRAWN	DATE	CHECKED	PLOT DATE	JOB NO.	SCALE
GH	30.01.2025	KT	12.05.2025	22010	1:100@A1

PROJECT
699 LA TROBE ST
699 LATROBE ST
DOCKLANDS VICTORIA 3008

DRAWING TITLE
LEVEL 10-30 LOW RISE
FLOOR PLAN

WWW.FKAUSTRALIA.COM
2 RIVERSIDE QUAY, SOUTH BANK
VICTORIA 3006 AUSTRALIA
TELEPHONE: +61 3 8696 3888
FENDER KATSAIDIS (AUST) PTY LTD ACN 092 943 032

ISSUE PURPOSE
TOWN PLANNING



REV. B
DRAWING NO.
TP110

Waste Transfer Routes: ➡



BIMcloud: fkaasprbim01 - BIMcloud/22010 699 La Trobe Street BTR/00 BIM MODELS/SD_TP-0A/CENTRAL MODELS/22010 General

REVISION			
-	TOWN PLANNING ISSUE	KT	20.10.2023
A	TOWN PLANNING SUBMISSION	KT	21.08.2024
> B	TOWN PLANNING SUBMISSION	KT	30.01.2025

ADVERTISED
PLAN

REVISION

QUALITY ASSURANCE	(FK IS A CERTIFIED COMPANY TO ISO 9001:2015)
THIS PROJECT IS SUBJECT TO THE FK QUALITY ASSURANCE SYSTEM	
■ SCHEMATIC DESIGN REVIEW FOR THIS PROJECT IS COMPLETE.	DATE OF REVIEW: 31.08.2023
■ DESIGN DEVELOPMENT REVIEW FOR THIS PROJECT IS COMPLETE.	DATE OF REVIEW: 12.05.2025
□ TENDER DOCUMENTATION REVIEW FOR THIS PROJECT IS YET TO BE COMPLETED.	
□ CONSTRUCTION DOCUMENTATION REVIEW FOR THIS DRAWING IS YET TO BE COMPLETED.	
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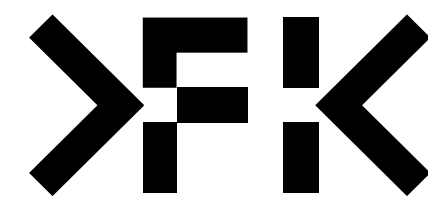
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GH	30.01.2025	KT	12.05.2025	22010	1:100@A1

PROJECT
699 LA TROBE ST
699 LATROBE ST
DOCKLANDS VICTORIA 3008

DRAWING TITLE
LEVEL 37 AMENITIES
FLOOR PLAN

WWW.FKAUSTRALIA.COM
2 RIVERSIDE QUAY, SOUTHBANK
VICTORIA 3006 AUSTRALIA
TELEPHONE: +61 3 8696 3888
FENDER KATSAIDIS (AUST) PTY LTD ACN 092 943 032

ISSUE PURPOSE
TOWN PLANNING



REV. B
DRAWING NO.
TP137

APPENDIX B

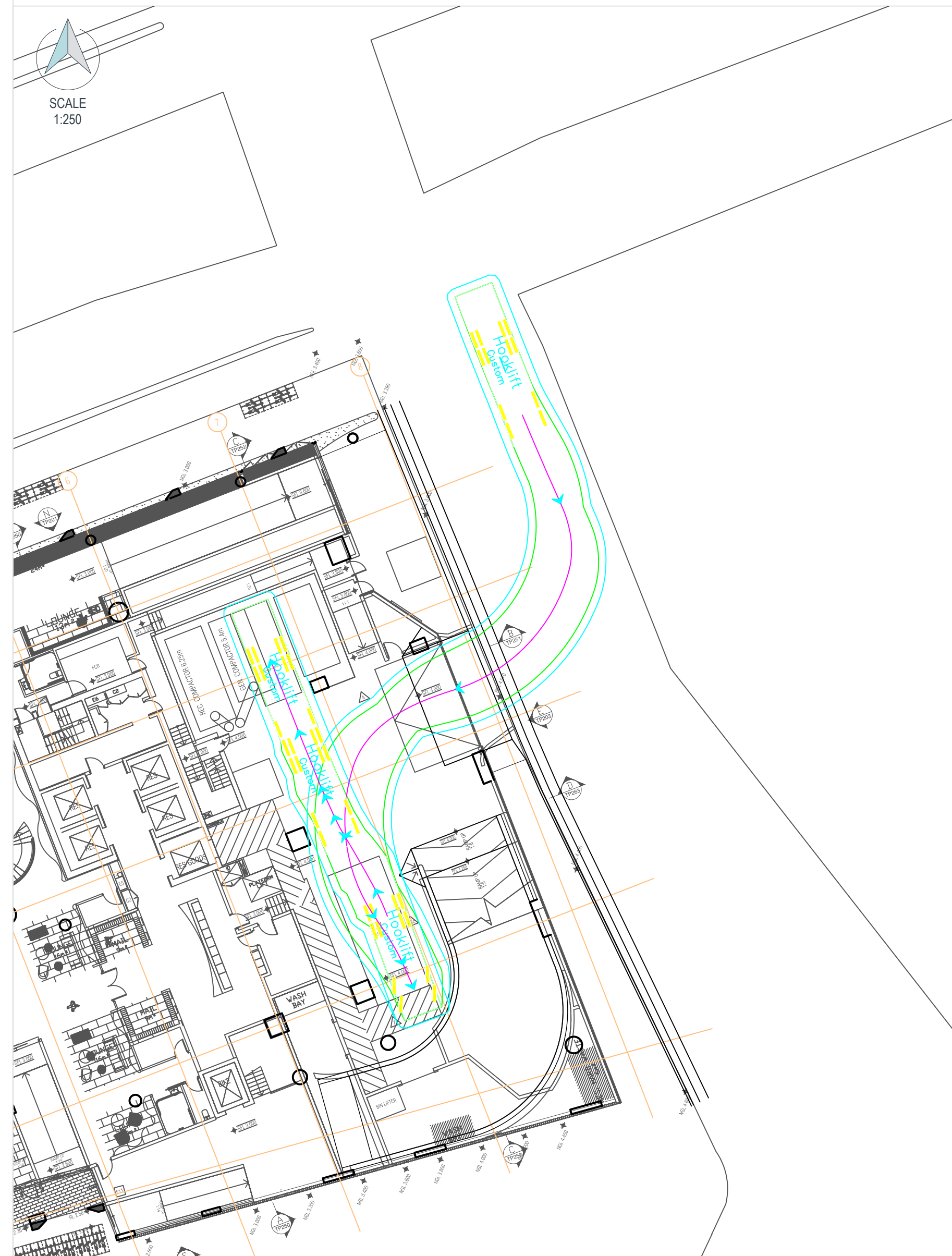
SWEPT PATH DIAGRAMS

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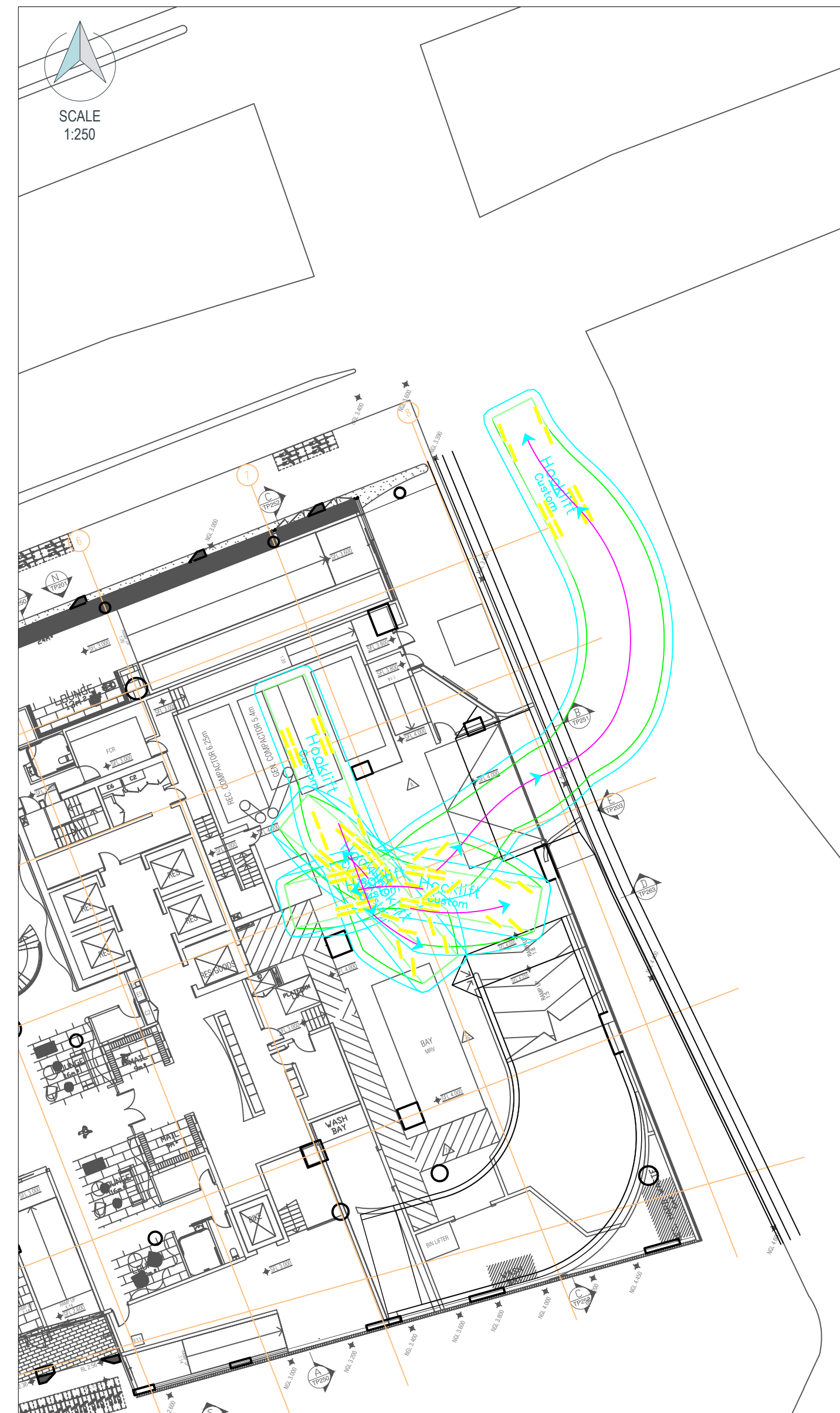
ADVERTISED
PLAN

LEGEND

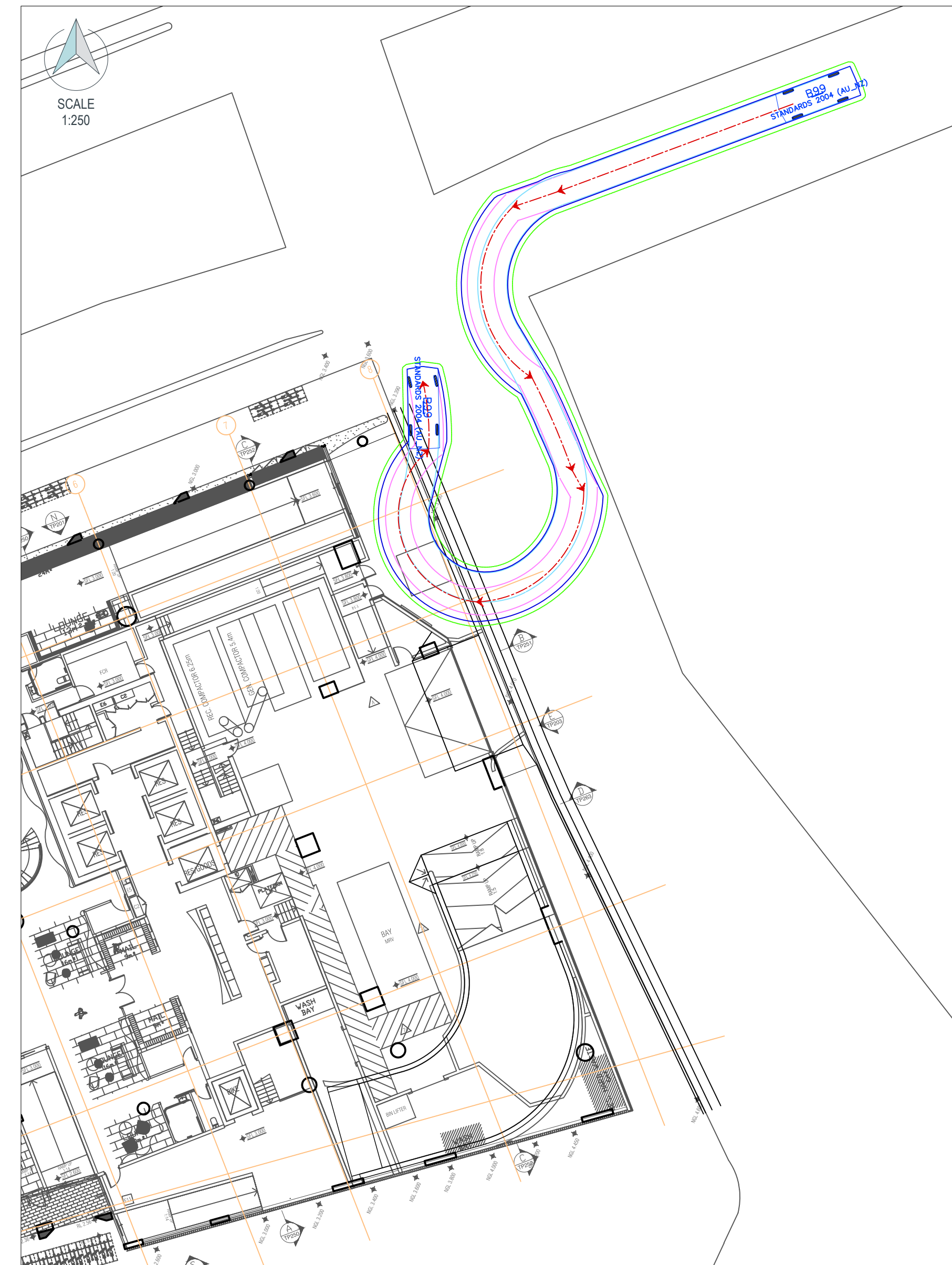
—	TITLE BOUNDARY
—	RAMP EDGE
■	COLUMN
—	VEHICLE BODY
—	BODY CLEARANCE
—	REAR WHEELS
—	FRONT WHEELS
—	CENTRELINE



HOOKLIFT - SWEEP PATH - ENTRY



HOOKLIFT - SWEEP PATH - EXIT

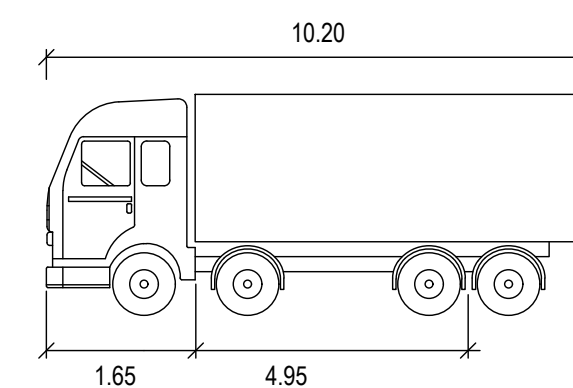


B99 VEHICLE - SWEEP PATH
300mm CLEARANCE

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PLAN

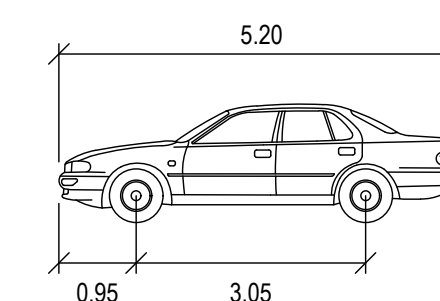
1:250 5 0 5 10 A1
1:500 A3



Hooklift

	Truck Width	Truck Track	Lock to Lock Time	Steering Angle
meters	: 2.50	: 2.50	: 6.0	: 27.1

Trailer Width	: WD2
Trailer Track	: TR2
Articulating Angle	: AA



B99

	Width	Track	Lock to Lock Time	Steering Angle
meters	: 1.94	: 1.84	: 6.0	: 33.9



Client
Salta Properties

Project Name
699 LATROBE STREET

Project Location
699 Latrobe Street
Docklands VIC 3008

INFORMATION ONLY NOT FOR CONSTRUCTION

D	PRELIMINARY ISSUE	MC	NM	05.05.23
C	PRELIMINARY ISSUE	NH	CG	12.10.23
B	PRELIMINARY ISSUE	NH	CG	23.08.23
A	PRELIMINARY ISSUE	NH	CG	01.08.23
Revision		By	Appd	Date

Drawing Title
TRAFFIC WORKS - SWEEP PATH GROUND FLOOR
SHEET 1

23122 TR-TP-0001 C
Project Number Drawing Number Revision

LEGEND

—	TITLE BOUNDARY
—	RAMP EDGE
■	COLUMN
—	VEHICLE BODY
—	BODY CLEARANCE
—	REAR WHEELS
—	FRONT WHEELS
—	CENTRELINE



Client
Salta Properties

Project Name
699 LATROBE STREET

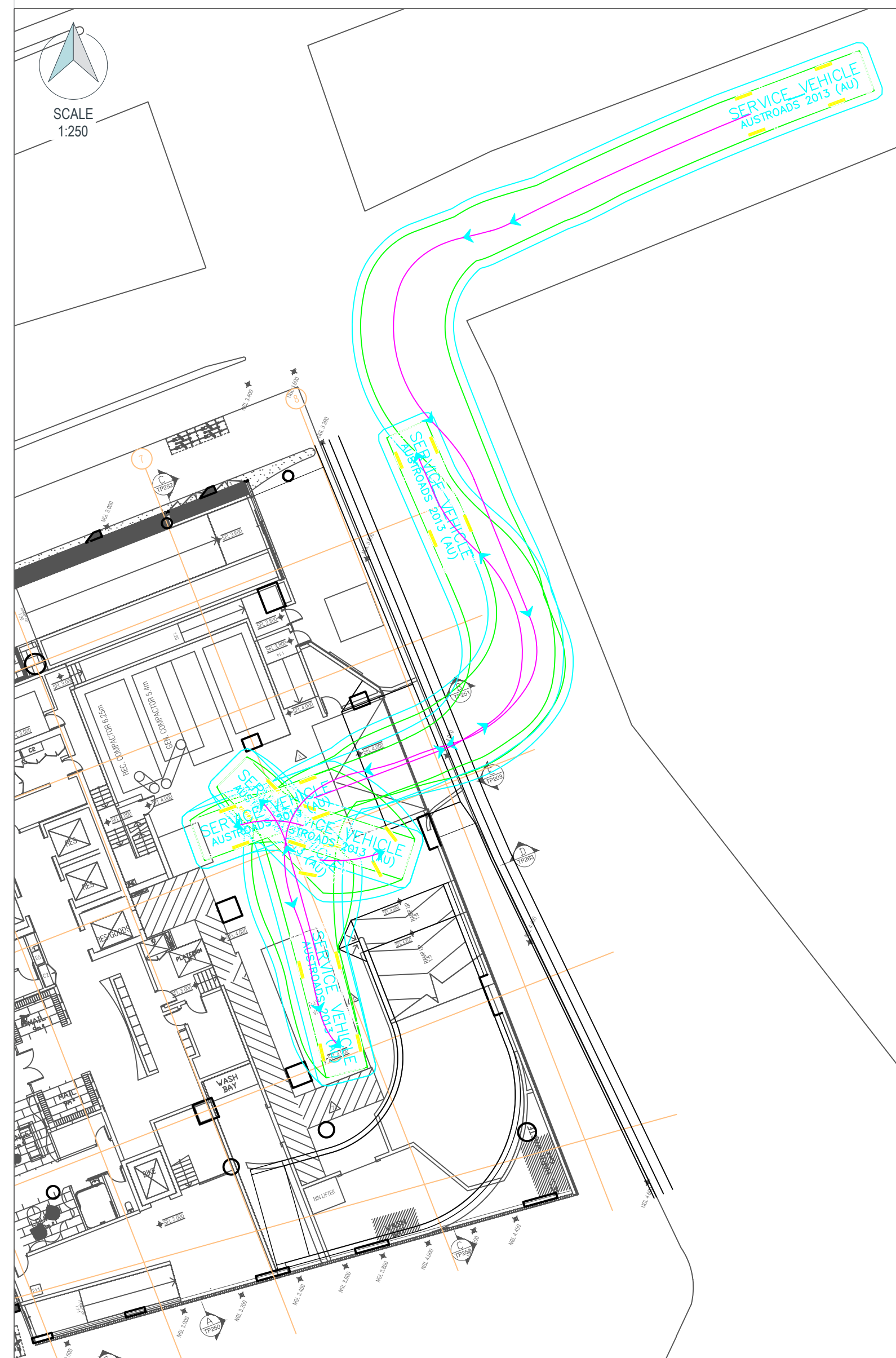
Project Location
**699 Latrobe Street
Docklands VIC 3008**

INFORMATION ONLY NOT FOR CONSTRUCTION

E	PRELIMINARY ISSUE	MC	NM	05.05.25
D	PRELIMINARY ISSUE	MC	NM	30.04.25
C	PRELIMINARY ISSUE	NH	CG	12.10.23
B	PRELIMINARY ISSUE	NH	CG	23.08.23
A	PRELIMINARY ISSUE	NH	CG	01.08.23
Revision		By	Appd	Date

Drawing Title
**TRAFFIC WORKS - SWEEP PATH GROUND FLOOR
SHEET 2**

23122 **TR-TP-0002** **C**
Project Number Drawing Number Revision

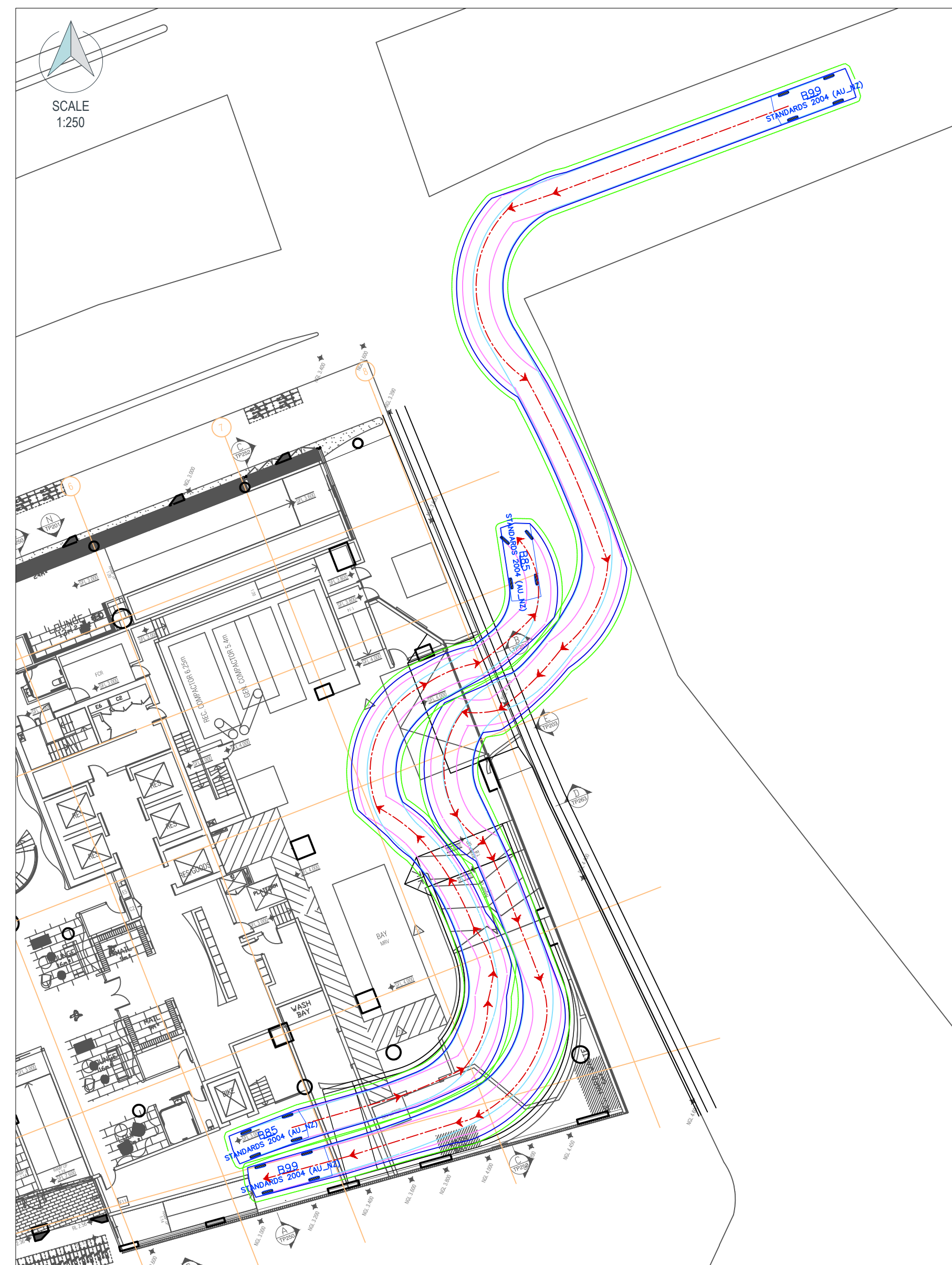


SERVICE VEHICLE 8.8m - SWEEP PATH

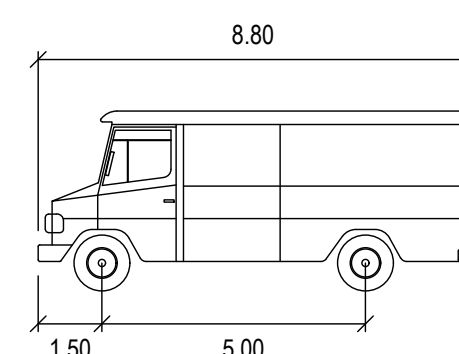
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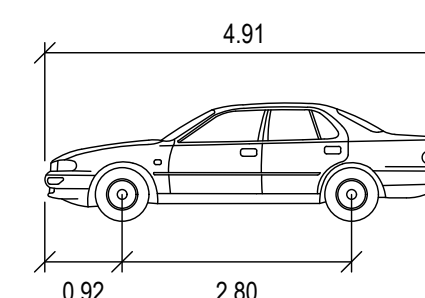
1:250 5 0 5 10 A1
1:500



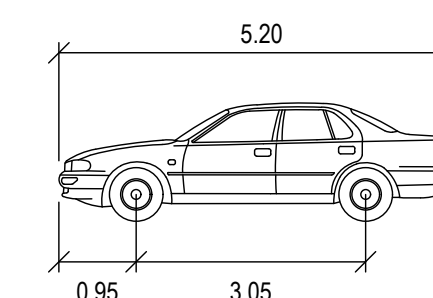
**B85 AND B99 VEHICLES- SWEEP PATH - EXIT / ENTRY
300mm CLEARANCE**



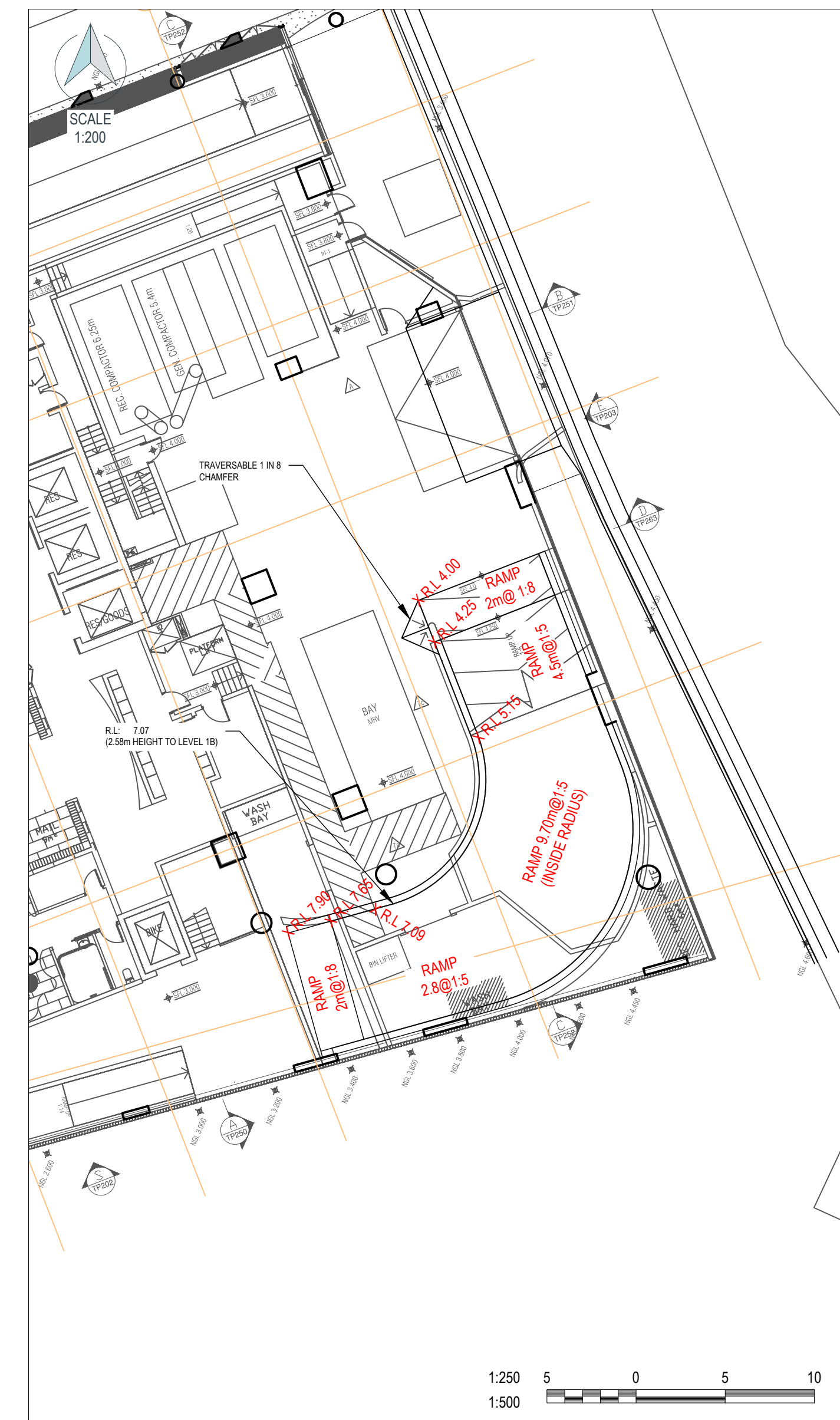
SERVICE VEHICLE	meters
Width	: 2.50
Track	: 2.50
Lock to Lock Time	: 6.0
Steering Angle	: 38.7



B85	meters
Width	: 1.87
Track	: 1.77
Lock to Lock Time	: 6.0
Steering Angle	: 34.1



B99	meters
Width	: 1.94
Track	: 1.84
Lock to Lock Time	: 6.0
Steering Angle	: 33.9



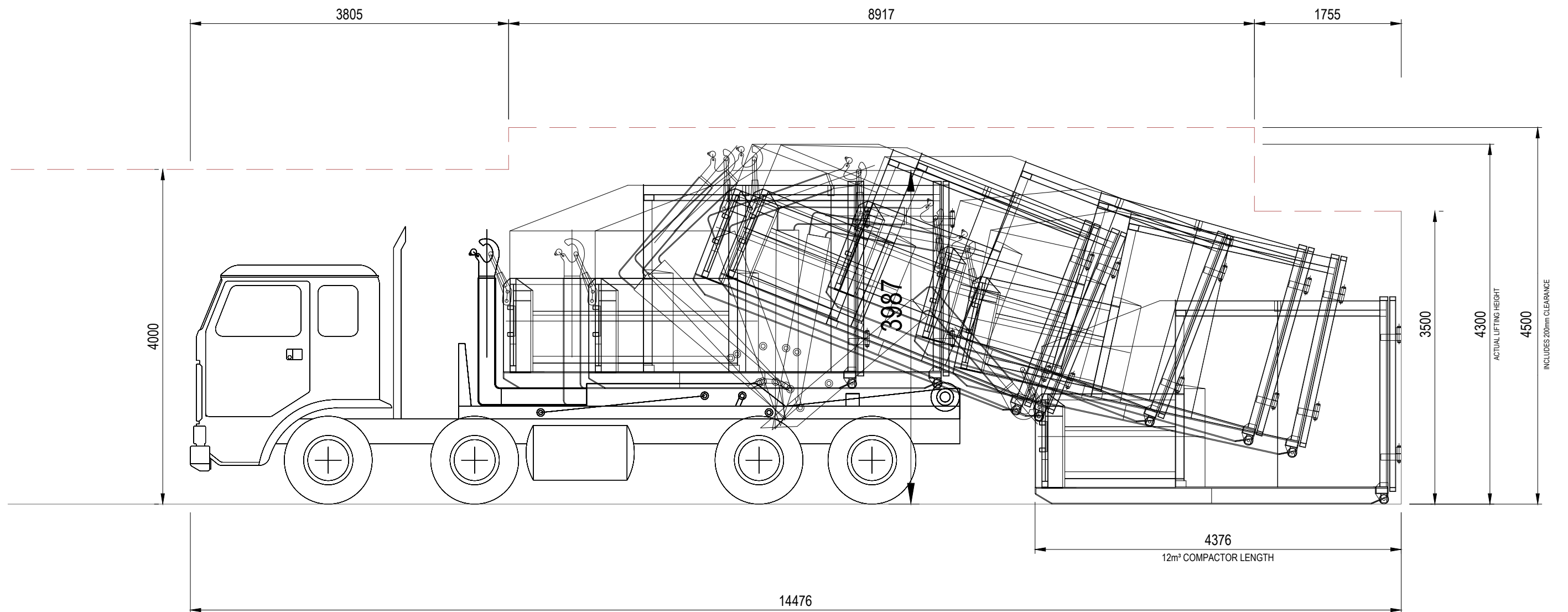
RAMP DETAILS

APPENDIX C

COMPACTOR LIFTING SEQUENCE

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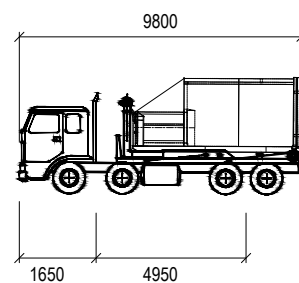
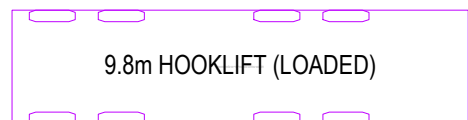
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VEHICLE LEGEND

- HOOKLIFT 600mm CLEARANCE
- HOOKLIFT OVERHANG
- HOOKLIFT CENTRELINE

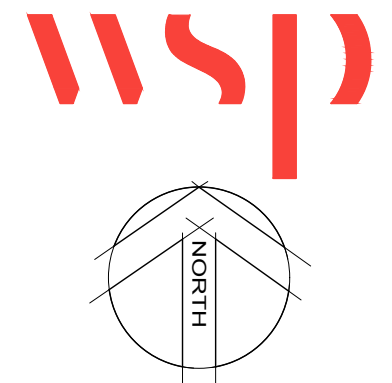
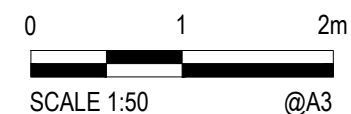


Hooklift (loaded) 12m3	mm
Width	: 2500
Track	: 2500
Lock to Lock Time	: 6.0
Steering Angle	: 27.1

WSP HOOK LIFT COLLECTION SECTION (12m3 CHAMFERED)

12m³ HOOK LIFT TRUCK
CHAMFERED COMPACTOR LIFT SECTION MANOEUVRE
C.I. 03.08.2023

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APPENDIX D

WASTE SPECIALIST CV

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Our ref: PS200811-LG-Qualified Waste Auditor Statement

16 May 2025

Green Building Council of Australia
Level 31, International Towers, Tower Two
200 Barangaroo Ave
BARANGAROO NSW 2000

Dear Sir/Madam

699 La Trobe Street, Docklands
Qualification as a Waste Auditor

I, Laurence Gamble, was the project lead for waste management with respect to the development of the waste management strategy and preparation of the Waste Management Plan for the 699 La Trobe Street, Docklands works. The Waste Management Plan has been prepared in accordance with Green Star Buildings.

I meet the following definition for a “Qualified Waste Auditor” as defined by the standard: “*waste auditor or waste specialist, working for a consultant, building owner or contractor, possessing a minimum of three years’ experience developing OWMPs*”. I hold several years’ experience within the building industry, including key roles such as:

- 1 Year – SALT (consultancy) - Waste Management Consultancy (development of OWMPs as primary job role)
- 2 Years – Irwinconsult (consultancy) – Waste Management Consultancy (development of OWMPs as primary job role)
- 6 Years – WSP (consultancy) – Waste Management Consultancy (development of OWMPs as primary job role)

My current position within WSP is Associate – Waste Management & Circular Economy. My CV is attached for further evidence of my experience in the development OWMPs.

I trust the above suitably provides evidence of my qualification as a Qualified Waste Auditor.

Yours sincerely

Laurence Gamble

Associate – Waste Management & Circular Economy

WSP Australia Pty Limited

Ph: 03 9622 9852

E: laurence.gamble@wsp.com

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Level 11, 567 Collins St
Melbourne VIC 3000

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

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PLAN**



LAURENCE GAMBLE

Associate – Waste Management & Circular Economy



6 years with WSP

9 years of experience

Areas of expertise

Waste Management Plans (WMPs)

Waste Engineering Design

Green Star Waste Design

NABERS Waste Tenancy Rating Assessments

Waste Generation Analysis

Waste Modelling

LANGUAGES

English

EDUCATION

Bachelor of Engineering (Civil) (Hons) (2014)

PROFILE

Laurence is an Associate with WSP, having completed a Bachelor of Civil Engineering (Hons) in 2014. Laurence has over nine years' experience in waste engineering, with further work experience within the fields of data analysis, statistics and project management.

As a waste engineer Laurence has been involved in the development of waste management plans for an extensive list of development applications, ranging from high-rise towers to residential subdivisions.

Laurence has further undertaken the role of lead analyst for a number of large scale projects, and has been instrumental in the development of a number of waste projection models and cost-benefit studies. Recent examples include work for the proposed SEMAWP Waste to Energy Plant (inbound tonnage forecasting, 2021-2050), for City of Parramatta (cost-benefit analysis of future waste service, 2021-2036) and for Citywide Solid Waste Services (operational capacity review, 2020-2036).

He is particularly interested sustainability-focused initiatives within the waste management sector, and is well versed in the waste requirements associated with sustainability benchmarking tools such as Green Star, NABERS and WELL.

PROFESSIONAL EXPERIENCE

Residential & Mixed Use:

- Melbourne Square, Southbank
- Queen Victoria Market: Munro Site Development
- Homes Victoria (Heidelberg West, Prahran, Richmond, Geelong, South Yarra, Hampton)
- 11-13 Irving Avenue, Box Hill
- Sky Village: 517-521 Station Street, Box Hill
- 450 Queen Street, Melbourne
- Parkside Apartments, Stages 9-12, Parkville
- Flinders Bank: 7-23 Spencer Street, Docklands

Commercial & Industrial

- CSL Behring, Broadmeadows
- CSL Banksia, Tullamarine
- BioNTech Melbourne, Bundoora
- 31-47 Joseph Street, Blackburn North
- Hannibal FIFE, Eastern Creek

Hospitals:

- Frankston Hospital Redevelopment
- Joan Kirner Hospital - Women's and Children's Redevelopment
- Angliss Hospital Redevelopment
- Maroondah Hospital Redevelopment
- Community Hospitals Package (Cranbourne, Craigieburn, Phillip Island, Sunbury, Eltham, Fishermans Bend, Pakenham, Point Cook, Torquay, Whittlesea)

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Data Analysis:

- SEMAWP – Waste to Energy
- Northern Beaches Red Bin Feasibility Study & Model
- City of Parramatta – Operational Capacity Review & Model
- Austroads - Recycled Materials in Roads and Related Assets
- Citywide – Operational Capacity Review
- Calcorp – Operational Capacity Review
- Western Power: DX and TX Pole Material Assessment

Hotels:

- Hotel Causeway, Melbourne
- 80 Collins Street, Melbourne
- 130 Russell Street, Melbourne
- Hotel Nexus, Mulgrave
- Lightfelk Eco Retreat, Red Hill
- Tribe Hotel, Collingwood
- MONA Hotel, Berriedale

Office & Retail:

- Queen Victoria Market (QVM) Renewal
- Melbourne Square, Stage 3 (Office Tower)
- 345 Elizabeth Street, Melbourne
- Freshwater Tower, Southbank
- 69 Carrington Road, Box Hill
- 459 Church Street, Richmond

Shopping Centres:

- Brandon Park Shopping Centre, Wheelers Hill
- Emporium Shopping Centre: Fortress Emporium Fitout
- Sunshine Plaza: Office Expansion
- District Docklands: 2b2 Office Expansion, Supermarket & Market Hall
- Westfield Liverpool & Hurstville: ELP and Office Expansion

Green Star Auditing:

- Cleanaway Solid Waste Services (Waste Contractors)
- Cleanaway Willawong & New Chum (Waste Facilities)
- Macquarie Park Exchange (Design & As-Built)
- Waterloo Metro Station (Design & As Built)
- Emporium Shopping Centre: Caledonia Lane Office Project (Green Star for New Buildings Early Access Program)

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