

Ref: 25079  
Date: May 2025  
Issue: B



## Proposed Residential Units 2-4 Vimy Street, Bankstown

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Traffic & Parking Assessment

**Transport and Traffic Planning Associates**

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# 1.0 Introduction

This report has been prepared to accompany a Development Application to the City of Canterbury Bankstown Council for a proposed Residential Unit development at 2-4 Vimy Street, Bankstown (Figure 1).

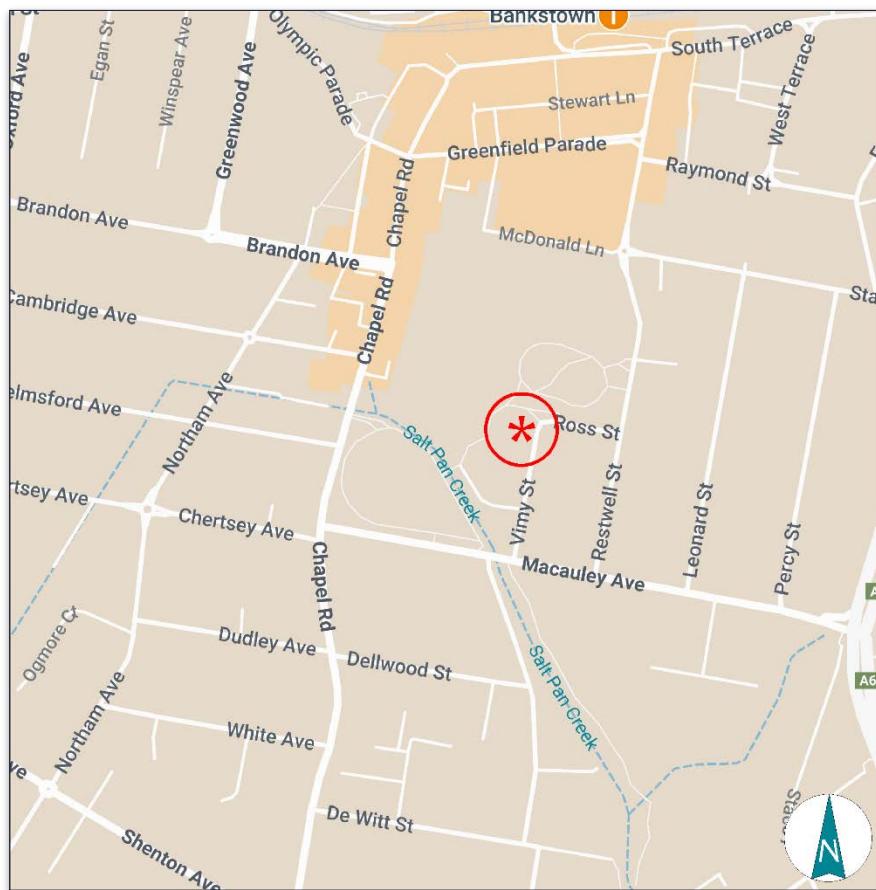


Figure 1 - Site Location

The purpose of this report is to:

- Describe the site, its context and the proposed development scheme
- Describe the road network serving the site and the prevailing traffic conditions
- Assess the adequacy of the proposed parking provision
- Assess the proposed vehicle access arrangements and the potential traffic implications
- Assess the suitability of the proposed internal circulation and servicing arrangements

## 2.0 Proposed Development

### 2.1 Site, Context & Existing Circumstance

The site (Figure 2) is a consolidation of Lots 49 & 50 in DP13055, which occupy a rectangular-shaped total area of some 1171m<sup>2</sup> with a frontage of some 26m to the western side of Vimy Street.



Figure 2 - Site Boundary

The site, which is presently vacant, adjoins the John Mackay Indoor Sports Centre to the west and low-density detached dwellings to the south and east. The site retains an existing vehicle crossover to Vimy Street towards the southern boundary.

The surrounding land uses comprise of:

- Bankstown City Gardens to the north
- Bankstown Public School & Bankstown Girls Highschool some 180m to the north
- Bankstown Station some 530m to the north

## 2.2 Proposed Development Scheme

It is proposed to demolish the existing buildings and excavate the site to provide for a multi-storey residential building consisting of 17 Units. The development will consist of:

- 2 Basement car parking levels
- 5 Residential levels
- Roof terrace

A total of 26 car parking spaces have been provided, including 2 disabled car parking spaces & 3 electric vehicle spaces with appropriate charging infrastructure. The proposed vehicle access arrangements involve upgrading the existing vehicle crossover to the south, which will provide access to the basement parking levels.

Architectural details of the proposed development are provided on the plans prepared by JS Architects which are reproduced in part in Appendix A.

## 3.0 Road Network and Traffic Conditions

### 3.1 Road Network

The road network serving the site (Figure 3) comprises:

- *Fairford Road* – a State Road and arterial route providing a north-south connection between Chullora to the north and Lucas Heights to the south
- *Canterbury Road* – a State Road and arterial route providing an extensive east-west connection between Bankstown through to Newtown area
- *Gibson Avenue / Chapel Road / Greenfield Parade* – a collector route providing a north-south connection between Padstow and the Bankstown CBD
- *Macauley Avenue / Columbine Avenue / Stanley Street / Brandon Avenue* – local collector routes

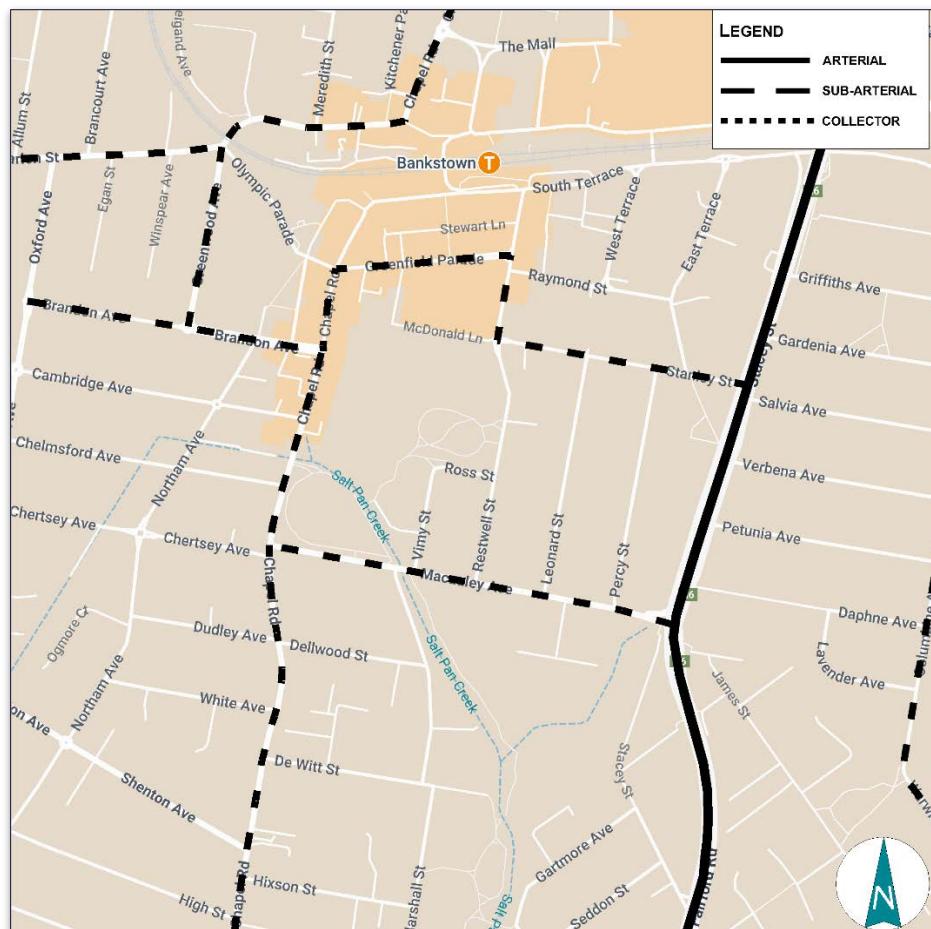


Figure 3 - Road Network

## 3.2 Traffic Controls

The existing traffic controls on the road system serving the site (Figure 4) comprise:

- the Traffic Control Signals along Macauley Avenue at the intersections of Fairford Road / Restwell Street / Marshall Street / Chapel Road
- the GIVE WAY sign restriction at the intersection of Ross Street & Restwell Street
- the GIVE WAY & NO RIGHT TURN restrictions at the intersection of Vimy Street & Macauley Avenue
- the Roundabout at the intersection of Restwell Street & McDonald Lane / Stanley Street

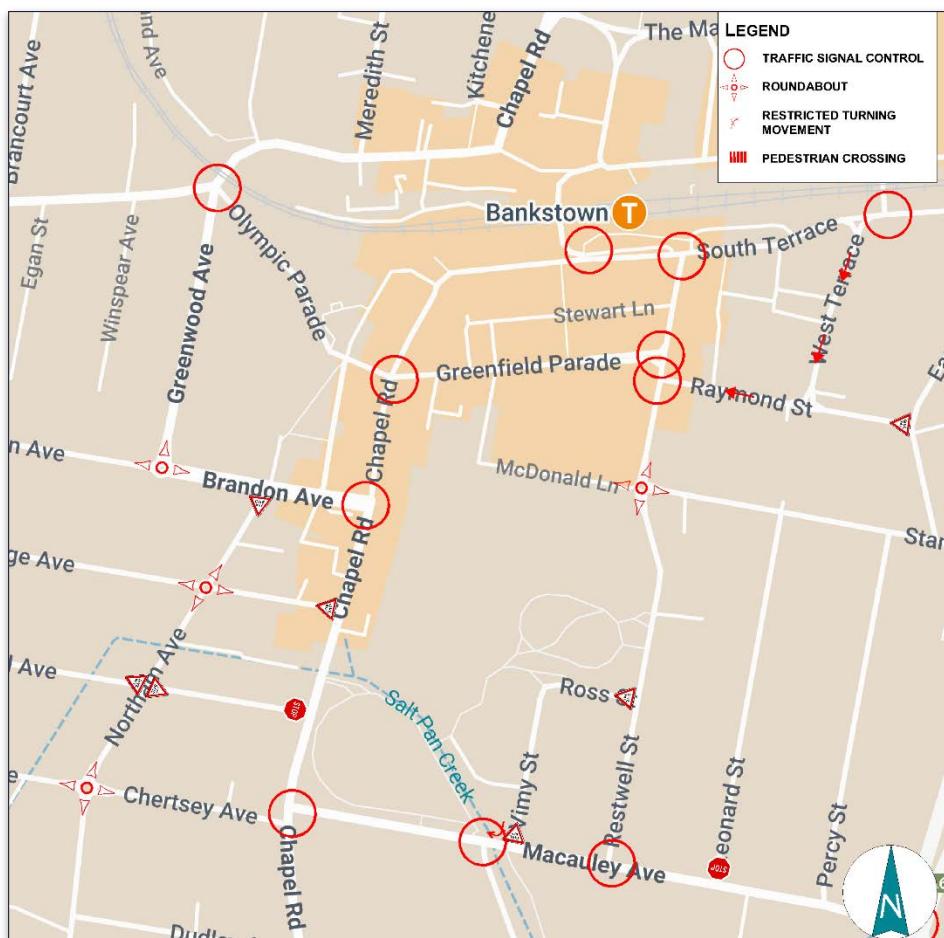


Figure 4 - Traffic Controls

### 3.3 Traffic Conditions

An indication of the traffic conditions on the roads in the vicinity of the site is provided by data published by TfNSW and traffic surveys undertaken as part of this assessment. The data which is expressed in terms of Annual Average Daily Traffic (AADT) is summarised in the following:

	AADT
<b>Fairford Road, 70m South of Aster Avenue</b>	Northbound                    29,583
	Southbound                    30,769

Observations of the prevailing peak traffic conditions in the vicinity of the site reveal relatively free-flowing conditions, with the large majority of vehicle movements being limited to local access movements.

### 3.4 Transport Services

There are excellent public transport services available in the vicinity of the site comprising:

#### 3.4.1 Metro

Bankstown Railway Station is located some 530m (8-minute walk) away from the site. After the completion of the metro conversion Sydenham – Bankstown Project will offer rapid and reliable metro services to Tallawong via the City on the M1 line at frequencies of 4 minutes during peak periods & 10 minutes during off-peak periods.

#### 3.4.2 Bus

The site also has easy access to the following bus services that run along Restwell Street & Macauley Avenue.:

- Bus Route 922: East Hills to Bankstown via Milperra
- Bus Route 923: Panania to Bankstown via Picnic Point
- Bus Route 924: East Hills to Bankstown via Panania
- Bus Route 925: East Hills to Lidcombe via Bankstown
- Bus Route 926: Revesby Heights to Bankstown
- Bus Route 945: Hurstville to Bankstown via Mortdale
- Bus Route 960: Sutherland to Bankstown
- Bus Route M90: Burwood to Liverpool
- Bus route M91: Hurstville to Parramatta via Padstow & Chester Hill

Details of the available public transport services available are provided in Appendix C.

## 4.0 Traffic

The TfNSW Guide to Transport Impact Statement (2024) specifies a generation rate for high-density residential apartments with high public transport accessibility which can be summarised in the following:

<b>AM</b>	<b>PM</b>
0.19 vtph per dwelling	0.15 vtph per dwelling

On this basis, the projected generation of the proposed development of 17 apartments is as follows:

<b>AM</b>	<b>PM</b>
4 vtph	3 vtph

This traffic generation is equivalent to an additional movement every 15-20 minutes during peak periods which will be quite imperceptible and will not require measures to mitigate any traffic impact.

## 5.0 Parking

Canterbury Bankstown Council Development Control Plan (DCP) specifies a car parking rate for residential flat buildings as follows:

Land Use Types	DCP Rate
Residential flat building / serviced apartments	1 space per 1 bedroom dwelling
	1.2 spaces per 2-bedroom dwelling
	1.5 spaces per 3 or more-bedroom dwelling
	1 visitor car space per 5 dwellings

Application of the above criteria to the proposed development scheme indicates a provision of:

Unit Type	Amount	Parking Requirement
2 Bedroom	13 Units	16 spaces
3 Bedroom	4 Units	6 spaces
Visitor	17 Units	4 spaces
<b>Total:</b>		<b>26 spaces</b>

The proposed development provides a total of 26 parking spaces, including 2 accessible spaces. This rate is in compliance with the requirements outlined by the Canterbury Bankstown Council DCP and will be suitable for the development's parking demand.

## 6.0 Access, Internal Circulation and Servicing

### 6.1 Access

The proposed vehicle access arrangements will involve an upgrade to the existing driveway located on the Vimy Street frontage at the southern boundary. The design of the proposed driveways will comply with AS2890.1 and there will be appropriate sight distances available.

### 6.2 Internal Circulation

The basement parking bay dimensions are a minimum of 2.6 metres x 5.4 metres with the exception of 3 small car spaces at 2.6m x 5m. These arrangements and the design of the access ramps etc. will be in accordance with AS2890.1 & 6 and will be more than adequate for the operational requirements of the proposed development. Details of a turning path assessment for the basement are provided in Appendix B.

### 6.3 Servicing

Refuse collection will be undertaken by the council waste vehicle from the site frontage with bins to be wheeled from the waste room to the kerb side on the designated collection days as is normal for a residential building of this nature. Any other servicing requirements utilising vans or utes (99<sup>th</sup> percentile vehicles) can use the readily available on-street parking.

## 7.0 Conclusion

The proposed residential development at 2-4 Vimy Street, Bankstown is located on a site that has convenient access to rail and bus services and an assessment of the proposed plans for the development scheme has confirmed that:

- There will be no adverse traffic implications
- The proposed parking provision will be quite adequate and compliant with the DCP requirements
- The design of the proposed vehicle access as well as the internal circulation and servicing arrangements is suitable and appropriate.

# **Appendix A**

## **Development Plans**



REVISION SCHEDULE  
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PROPOSED APARTMENT  
BUILDING  
2-4 VIMY STREET,  
BANKSTOWN

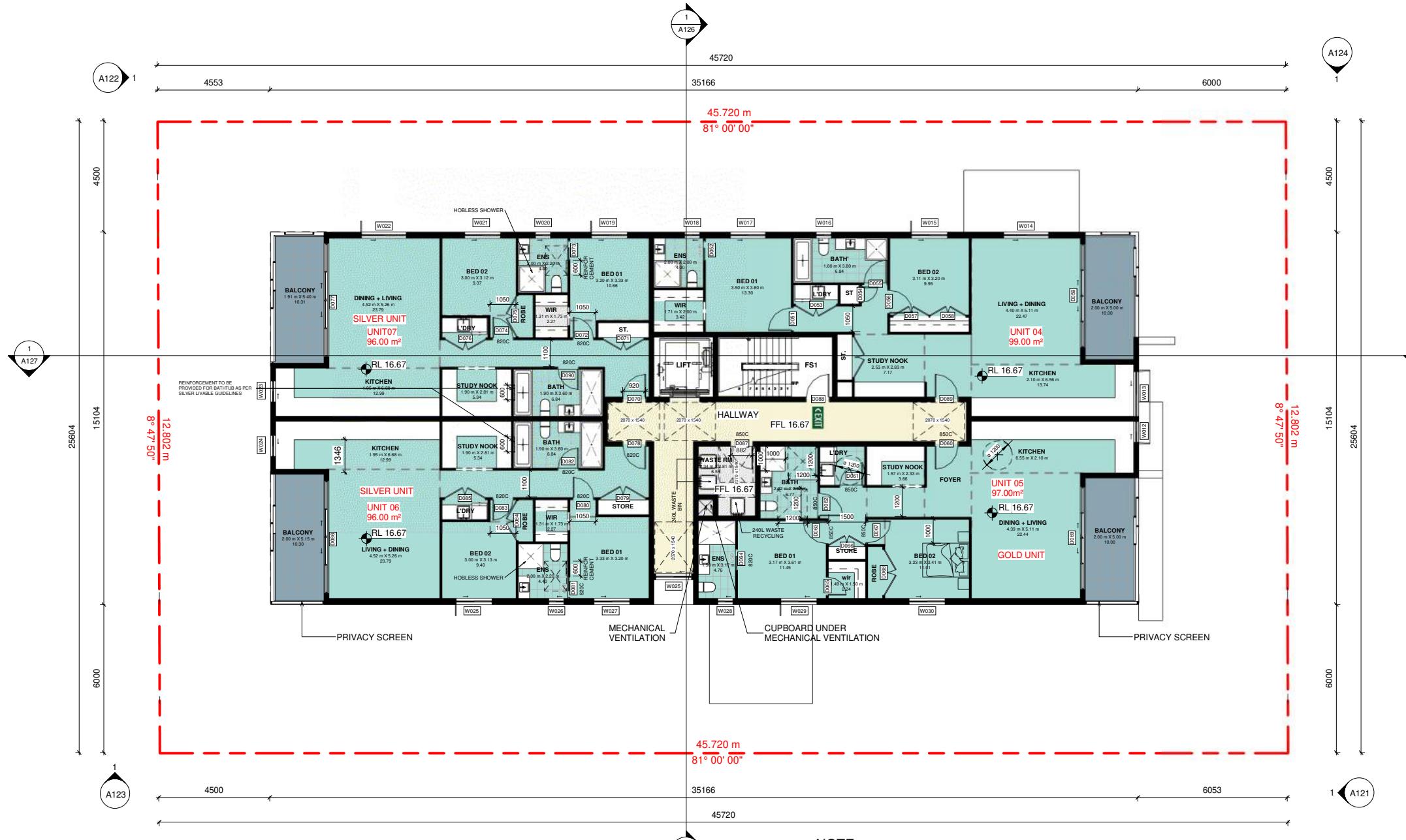
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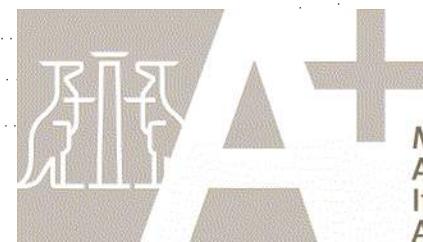








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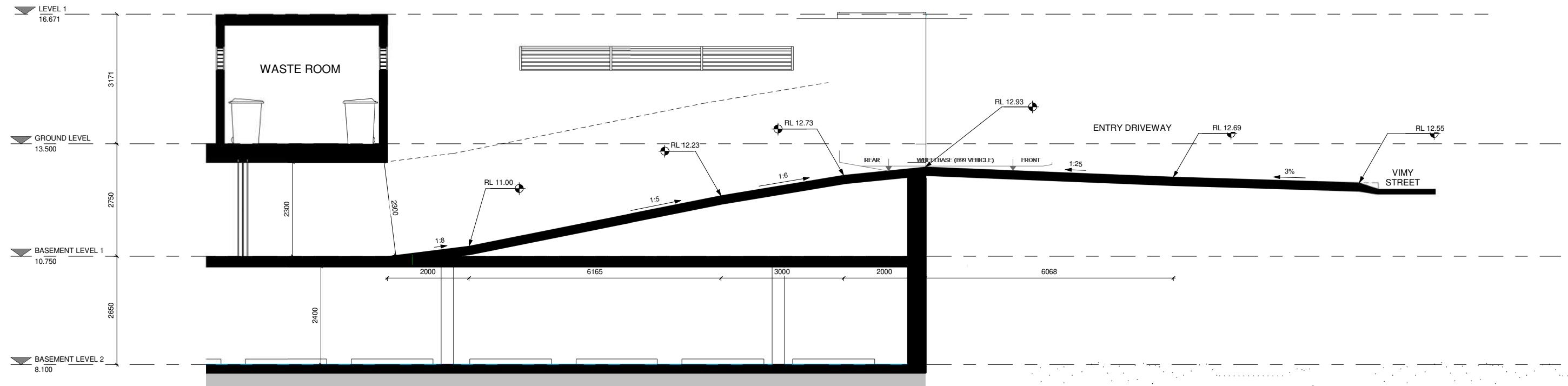
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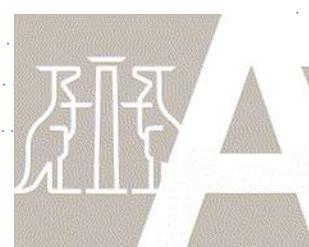
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BUILDING  
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Nominated Architect: Szymon Ochudzawa (RAIA 6865)





**1 DRIVEWAY SECTION**  
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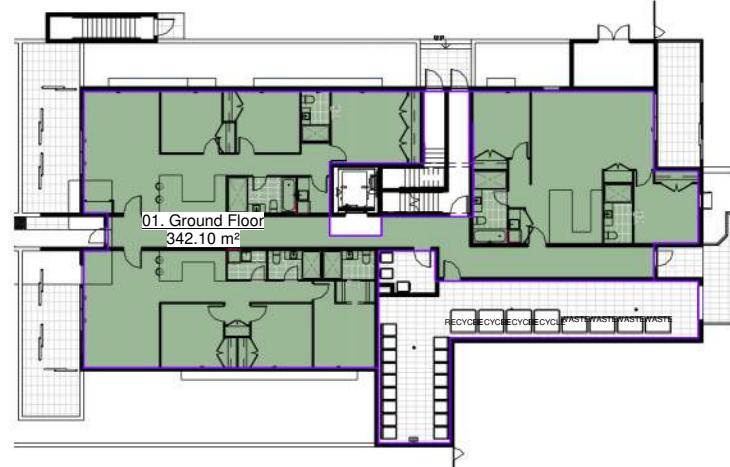
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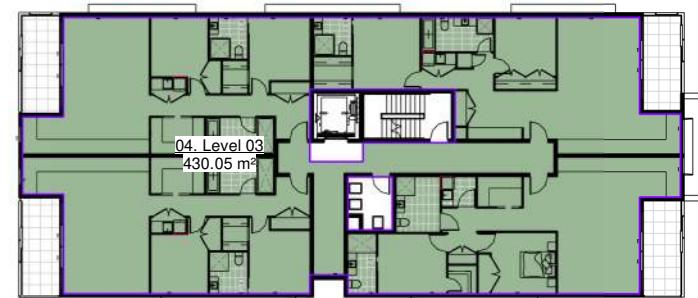
ABN 70 119 946 575

Nominated Architect: Szymon Ochudzawa (RAIA 6865)





**1 GROUND FLOOR GFA DIAGRAM**  
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**4 LEVEL 3 GFA DIAGRAM**  
1 : 200



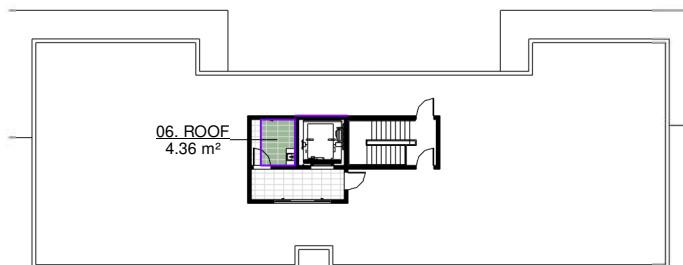
**2 LEVEL 01 GFA DIAGRAM**  
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**5 LEVEL 4 GFA DIAGRAM**  
1 : 200



**3 LEVEL 2 GFA DIAGRAM**  
1 : 200



**6 ROOF GFA DIAGRAM**  
1 : 200

Gross Floor area		
UN	Level	Area
01. Ground Floor	GROUND LEVEL	342.10 m <sup>2</sup>
02. Level 01	LEVEL 1	430.05 m <sup>2</sup>
03. Level 02	LEVEL 2	430.05 m <sup>2</sup>
04. Level 03	LEVEL 3	430.05 m <sup>2</sup>
05. Level 04	LEVEL 4	287.65 m <sup>2</sup>
06. ROOF	ROOF	4.36 m <sup>2</sup>
Grand total: 6		1924.24 m <sup>2</sup>

#### GFA CALCULATION

SITE AREA	1170.60 m <sup>2</sup>
GROUND FLOOR GFA	342.10 m <sup>2</sup>
LEVEL 1-3 GFA	430.05x 3 = 1290.00 m <sup>2</sup>
LEVEL 4 GFA	287.65 m <sup>2</sup>
ROOF GFA	4.36 m <sup>2</sup>
TOTAL GFA	1924.24 m <sup>2</sup>
ALLOWABLE GROSS FSR AFTER 30% BONUS	1.65:1(1931.49m <sup>2</sup> )
PROPOSED GROSS FSR	1.64:1(1924.24m <sup>2</sup> )

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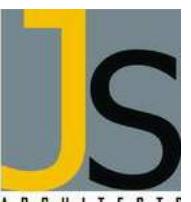
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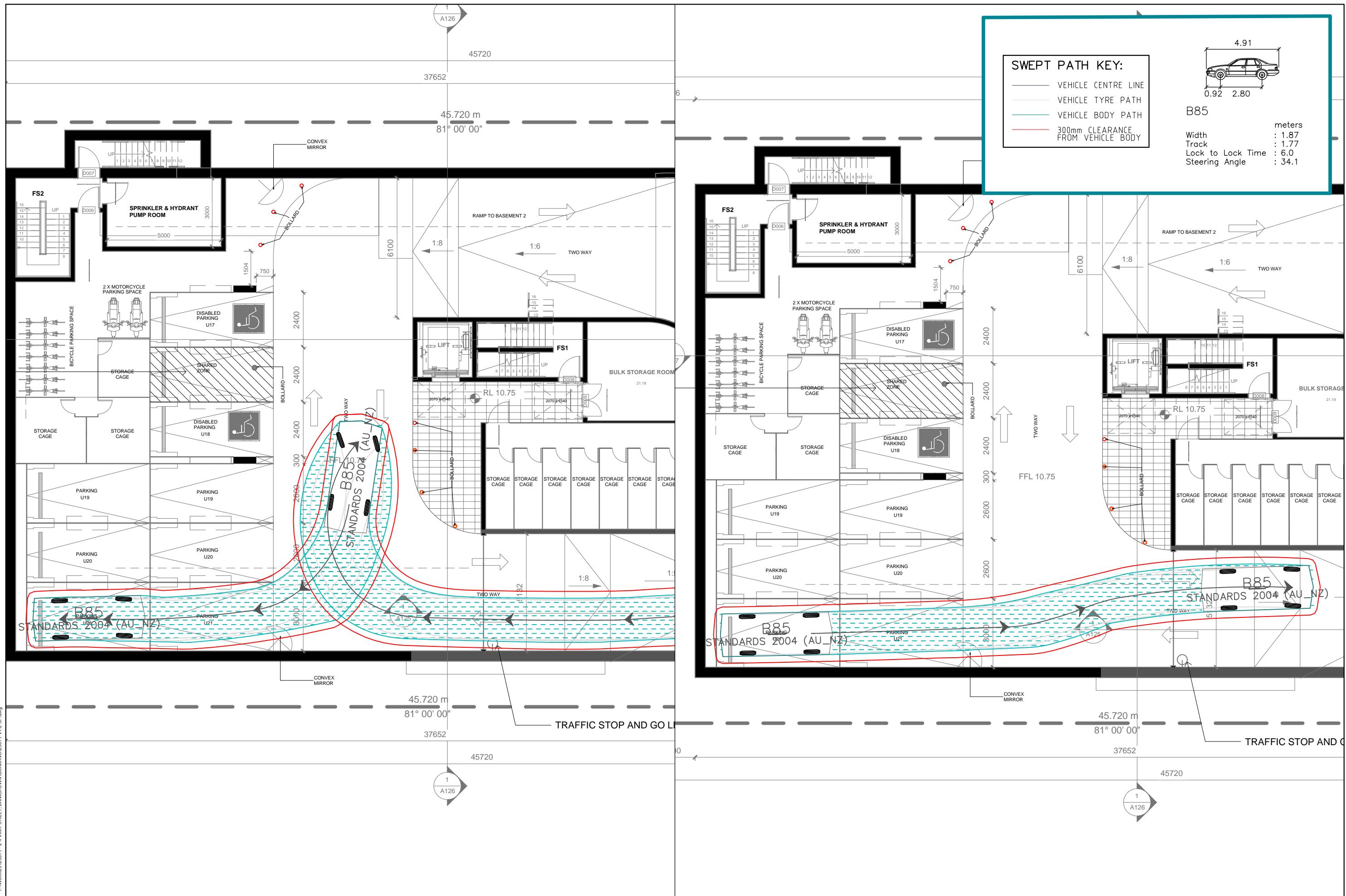
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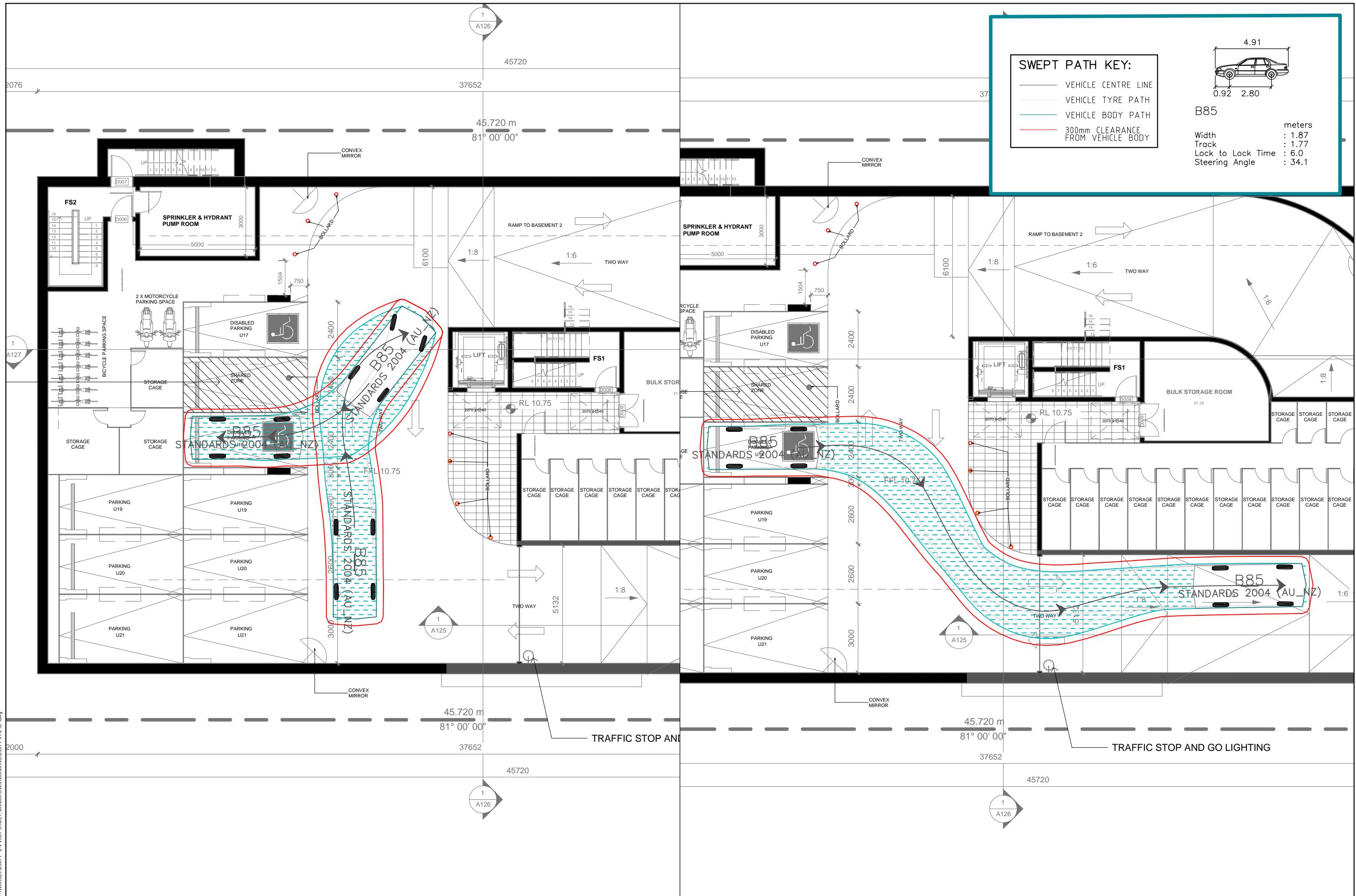
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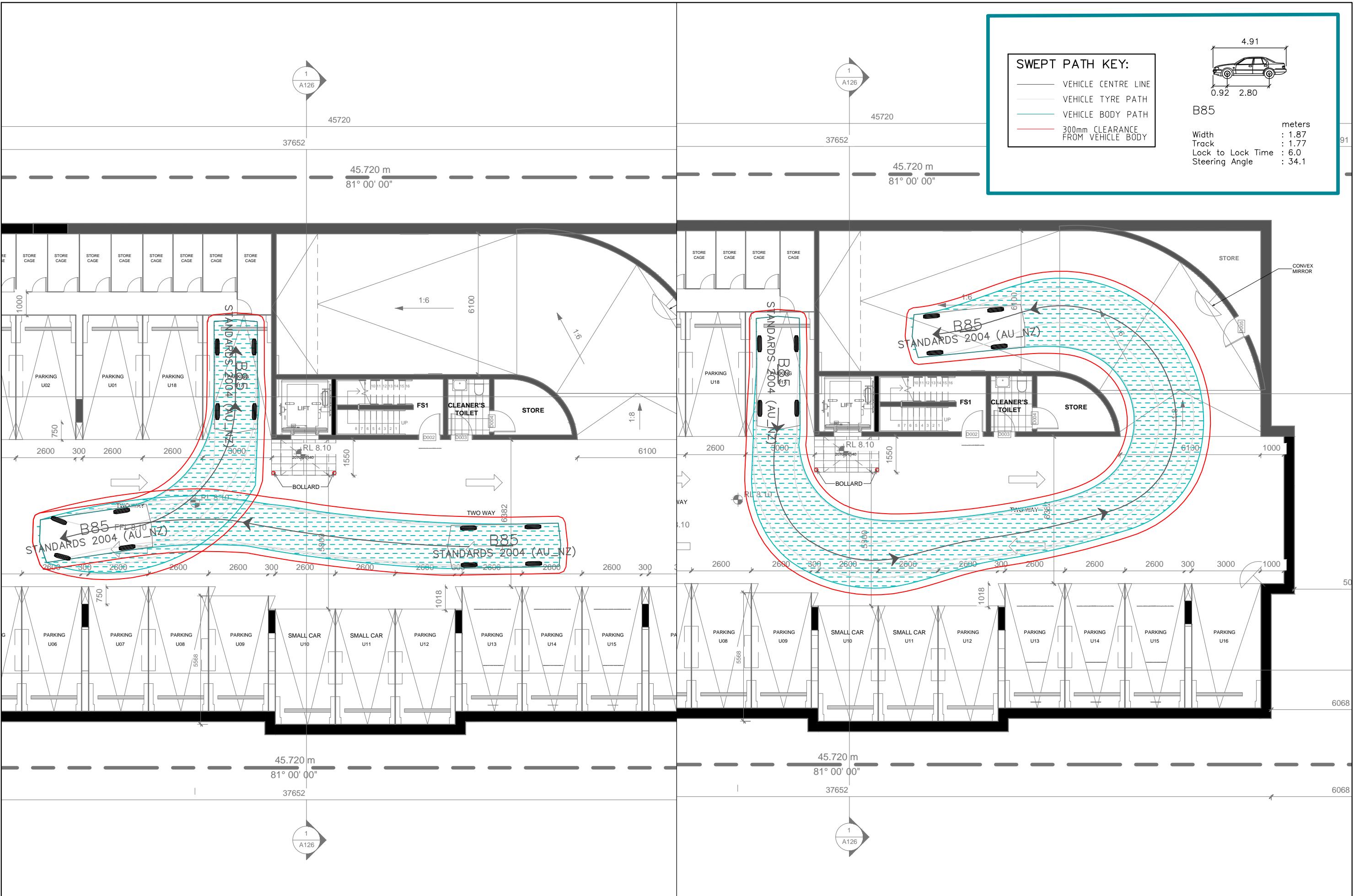


# Appendix B

## Turning Path Assessment







2-4 VIMY STREET, BANKSTOWN NSW 2200  
INGRESS & EGRESS OF 85th PERCENTILE VEHICLE  
SWEPT PATH ASSESSMENT  
DRAWING REF NO. 25079-V1.2-SP

SHEET NO. 03 OF 08

ISSUE DATE 14 May 2025

DESIGNED BY L.DANIEL

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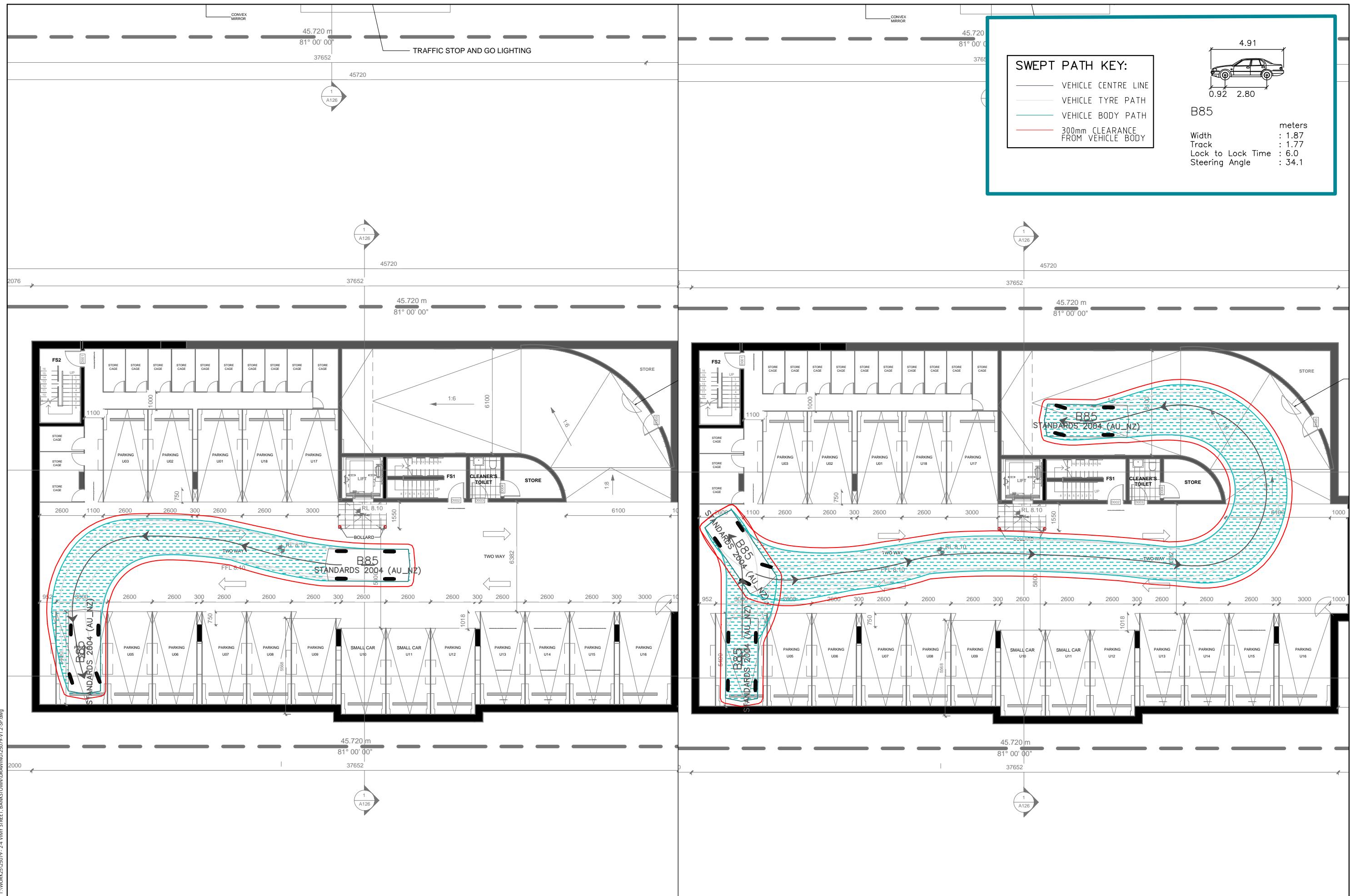


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Established 1994  
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# INGRESS & EGRESS OF 85th PERCENTILE VEHICLE SWEEP PATH ASSESSMENT

DRAWING REF NO. 25079-V1.2-SP

SHEET NO. 04 OF 08

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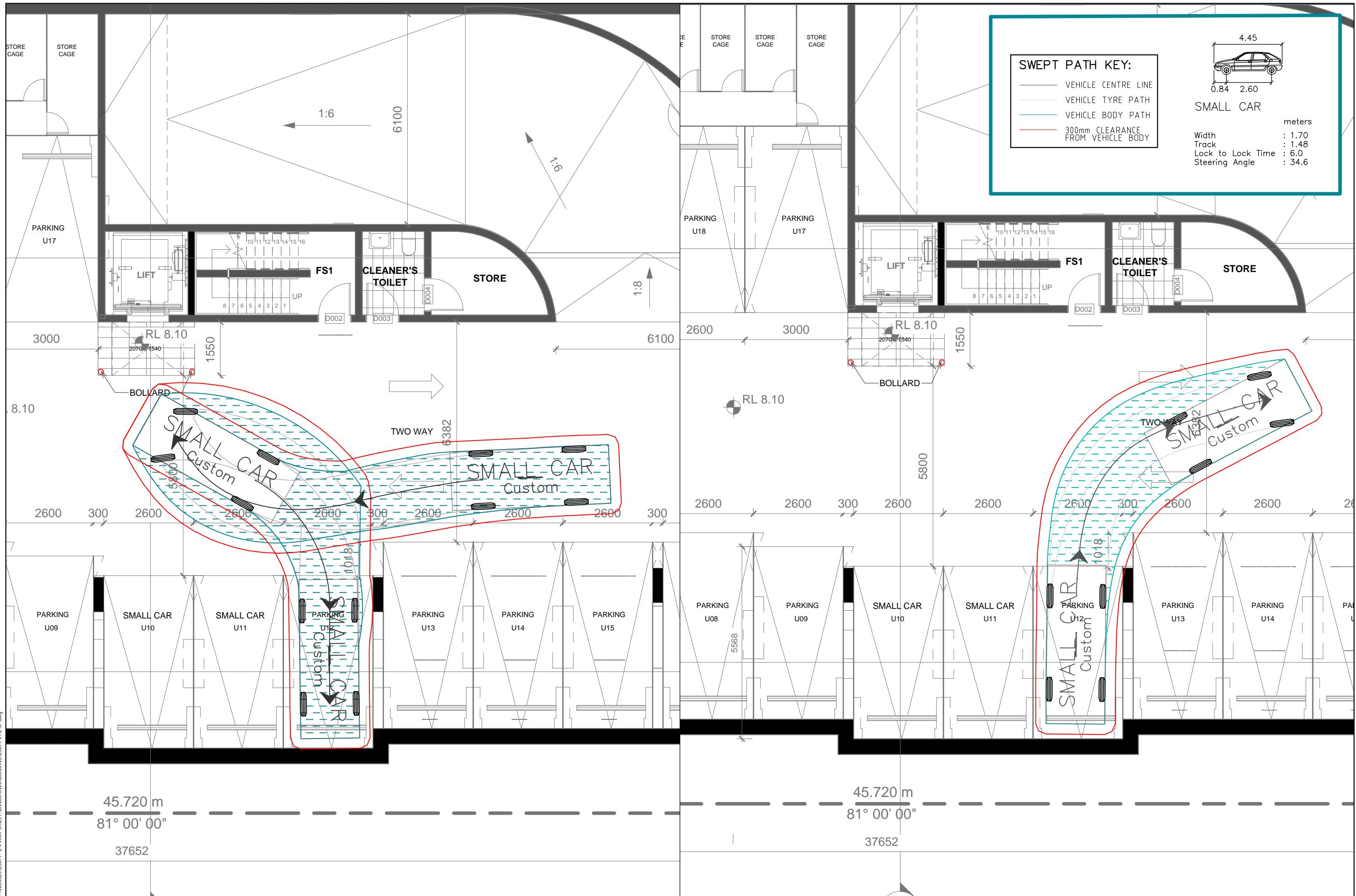


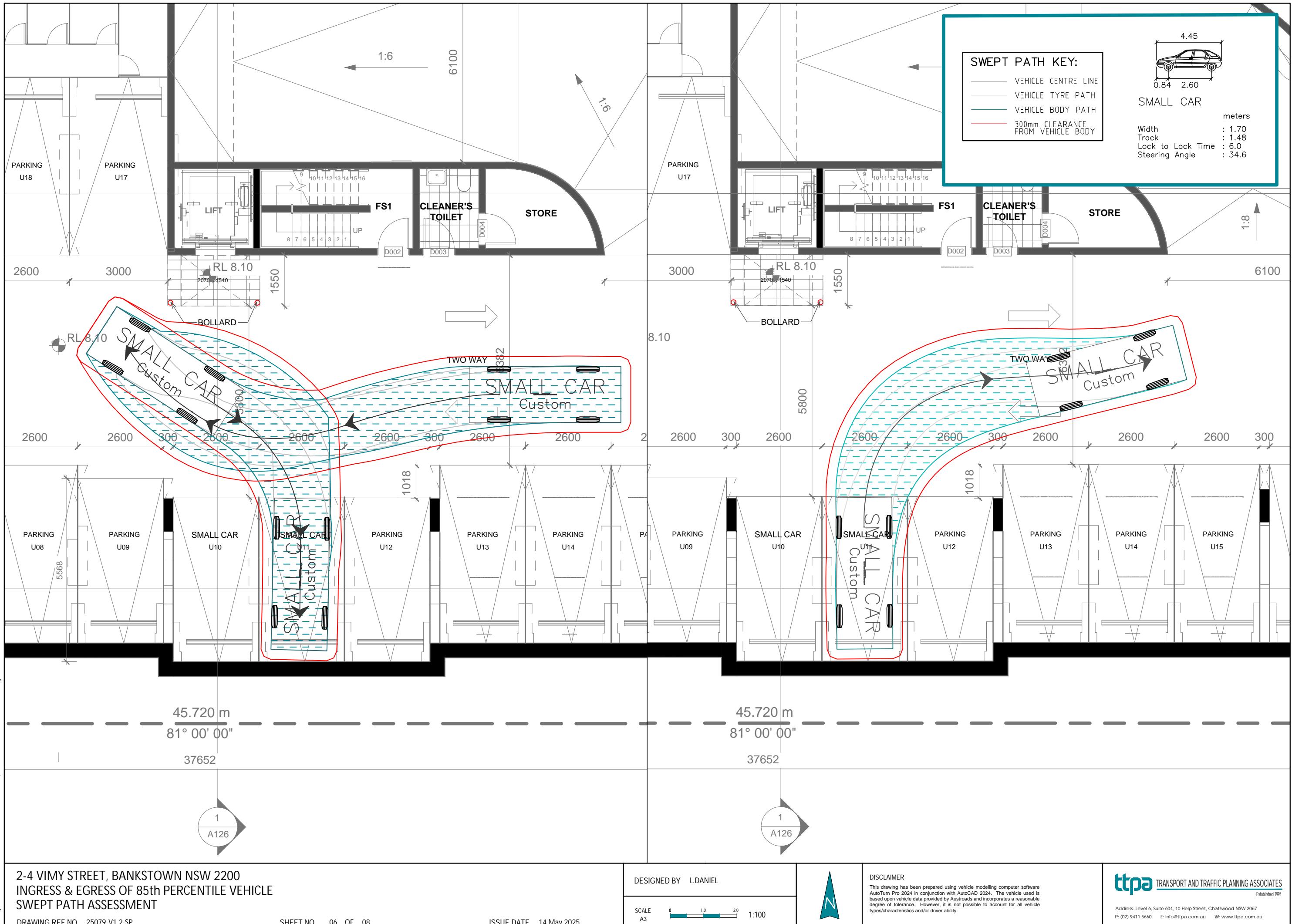
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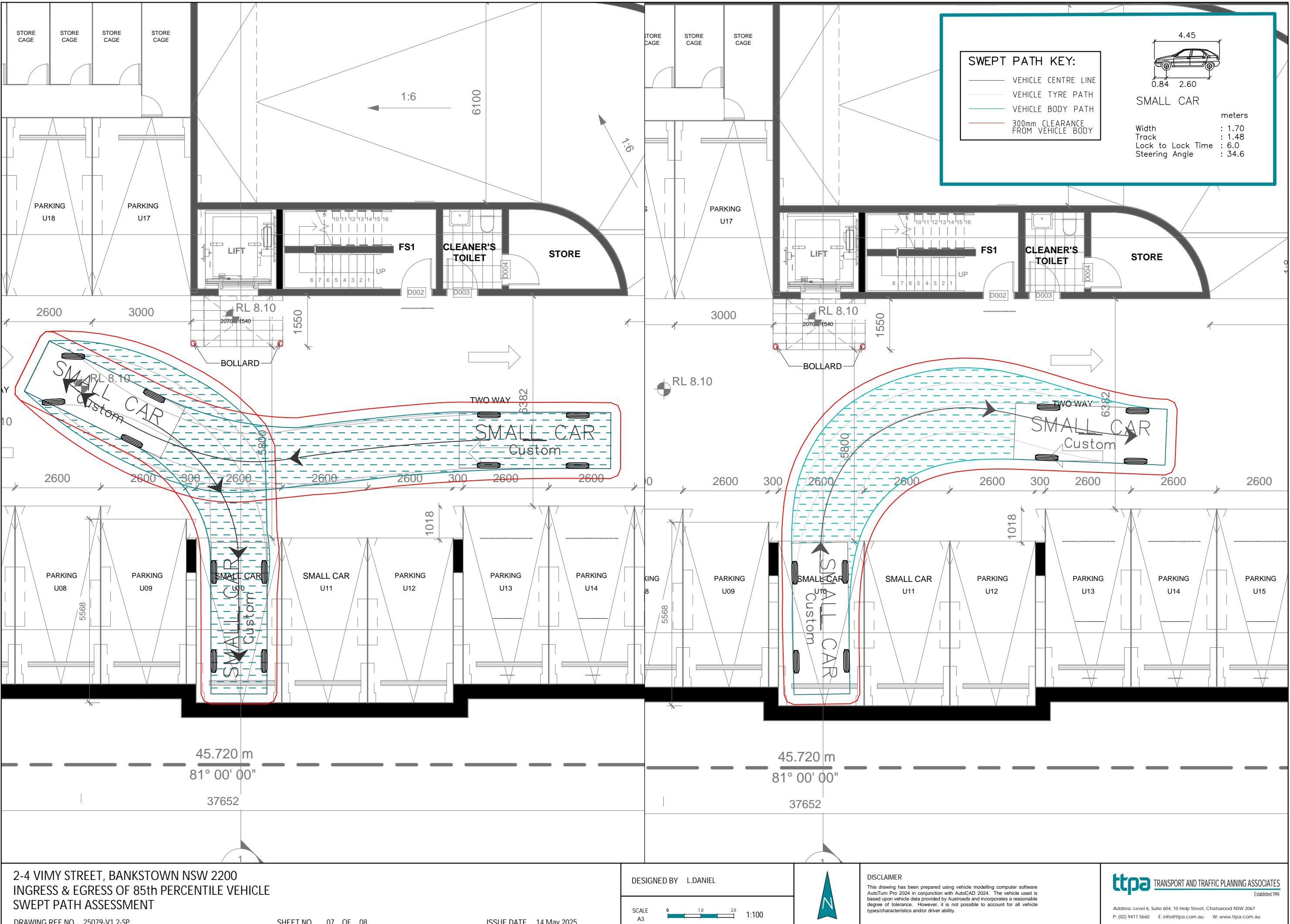
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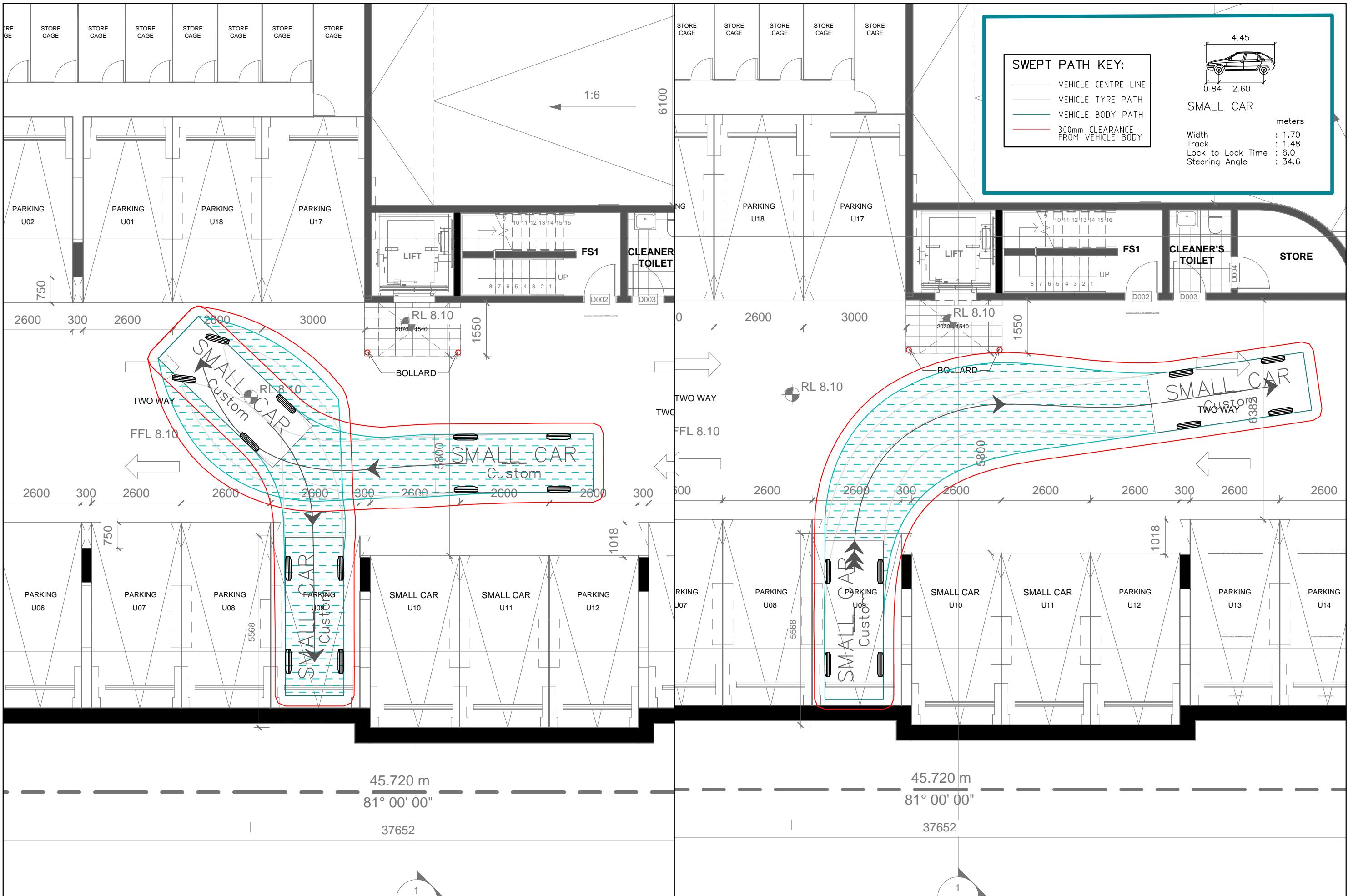
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**2-4 VIMY STREET, BANKSTOWN NSW 2200  
INGRESS & EGRESS OF 85th PERCENTILE VEHICLE  
SWEPT PATH ASSESSMENT**

DRAWING REF NO 25079-V1 2-SP

SHEET NO 08 OF 08

ISSUE DATE 14 May 2025

DESIGNED BY | DANIE

SCALE  
A3



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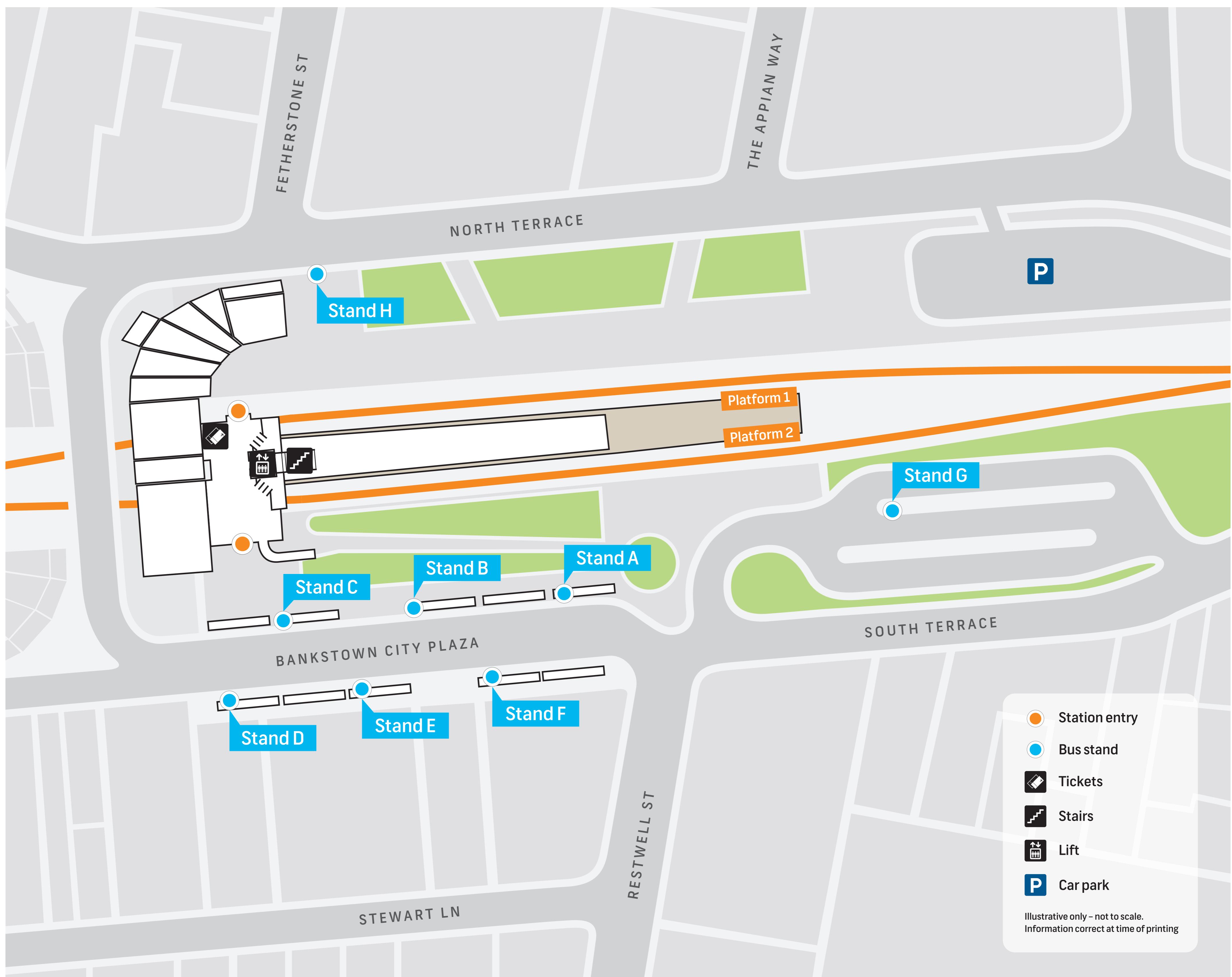
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Established 1994  
Address: Level 6, Suite 604, 10 Help Street, Chatswood NSW 2067

# Appendix C

## Public Transport Services

# Bankstown Station

## Public Transport Map



**T3** *Bankstown Line*  
City  
Liverpool  
Lidcombe



### Stand A

Stop no. 2200375

- 487 Canterbury
- 922 East Hills
- 923 Panania
- 924 East Hills
- 925 East Hills
- 926 Revesby Heights
- M90 Liverpool

### Stand B

Stop no. 2200374

- 944 Mortdale
- 945 Hurstville
- 962 Miranda
- M91 Hurstville
- M92 Sutherland

### Stand C

Stop no. 2200373

Arrivals only

### Stand D

Stop no. 2200376

905 Fairfield

907 Parramatta

908 Merrylands

909 Parramatta

911 Auburn

940 Hurstville

M91 Parramatta

### Stand E

Stop no. 2200377

913 Strathfield

925 Lidcombe

939 Greenacre

941 Hurstville

946 Roselands

M90 Burwood

M92 Parramatta

### Stand G

Stop no. 2200343

N40 City Town Hall

N40 East Hills

### Stand H

Stop no. 2200157

Arrivals only

Illustrative only – not to scale.  
Information correct at time of printing

● Station entry

● Bus stand

● Tickets

● Stairs

● Lift

● Car park

For more information  
[transportnsw.info](http://transportnsw.info)



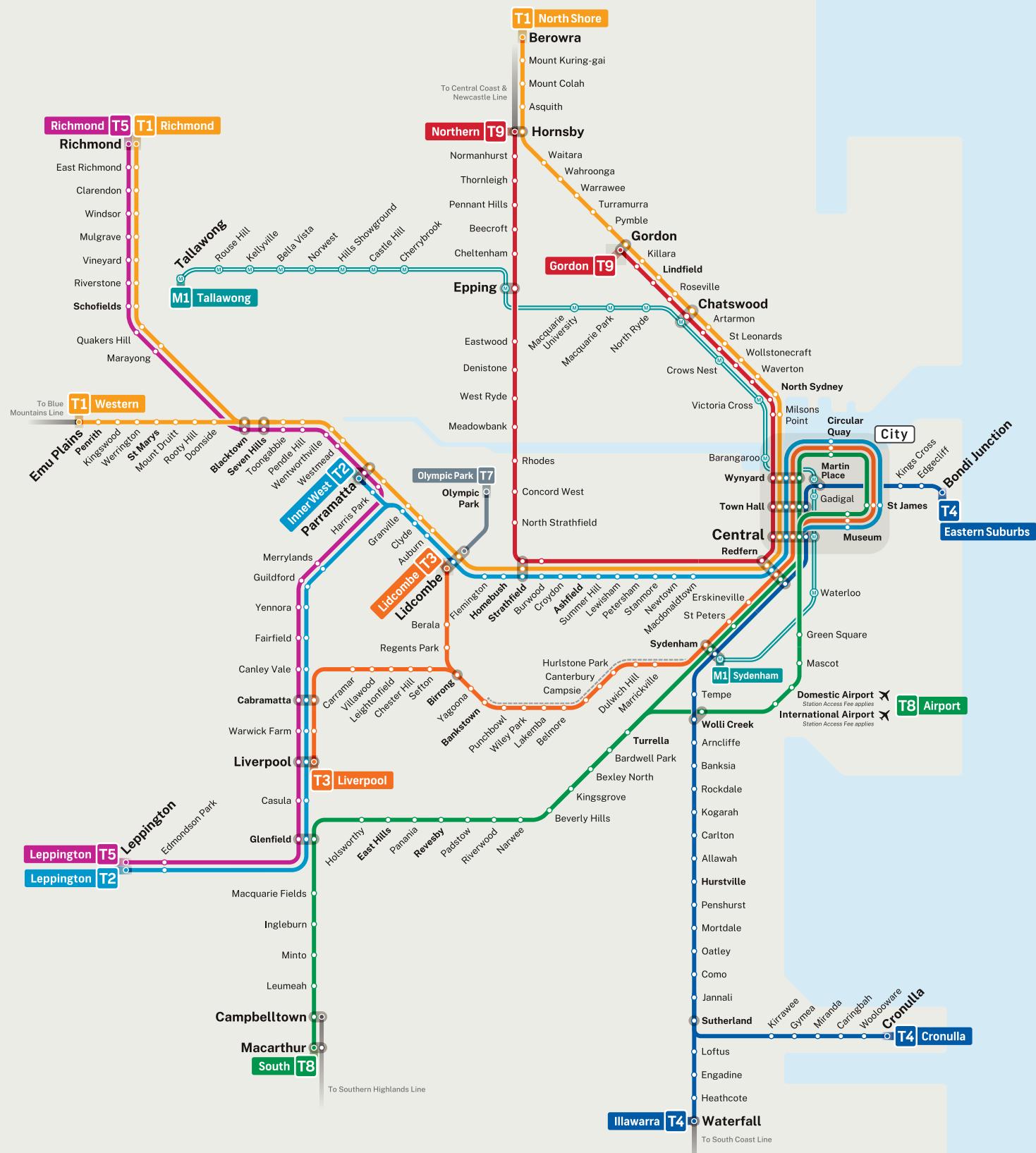




# Sydney rail network



**T** Trains **M** Metro



## Sydney train and metro lines

**T1** North Shore & Western Line  
North Shore  
Western  
Richmond

**T2** Inner West & Leppington Line  
Inner West  
Leppington  
City

**T3** Bankstown Line  
Liverpool  
Lidcombe  
City

**T4** Eastern Suburbs & Illawarra Line  
Eastern Suburbs  
Illawarra  
Cronulla

**T5** Cumberland Line  
Leppington  
Richmond

**T7** Olympic Park Line  
Olympic Park  
Lidcombe

**T8** Airport & South Line  
Airport  
South  
City

**T9** Northern Line  
Northern  
Gordon

**M1** Metro North West & Bankstown Line  
Sydenham  
Tallawong



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for train services and connections

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