

CARPARK CERTIFICATION OF AN APPROVED MIXED-USE DEVELOPMENT

1570-1580 Canterbury Road, Punchbowl

Prepared for: Dilcara

N255141A (Version 1a)

September 2025

Motion Traffic Engineers Pty Ltd
Telephone:
940 33 588
sydney@motiontraffic.com.au

ACN 600201583

1. INTRODUCTION

Motion Traffic Engineers was commissioned by Dilcara to prepare a car parking certification report of an approved mixed-use development at 1570-1580 Canterbury Road in Punchbowl for a Section 4.56 submission.

Vehicle access and egress to the car parking areas is via 17-19 Weyland Street.

Car Parking is provided on two basement levels.

Reference is made to AS2890.1 (2004), and AS2890.6 and Council's Development Control Plan for compliance.

2. RAMPS

The details of the ramp from basement 1 to Basement 2 are as follows from the inbound perspective for descriptive purposes only:

- The width of the ramp on the straight section is 5.5 metres between kerbs.
- The gradients along the centre line are as follows:
 - 12.5 percent for 2 metres
 - 25 percent for 6.1metres
 - 12.5 percent for 2 metres

A convex safety mirror is required at the top and bottom of the ramp.

3. CAR SPACES

The details of the car parking areas are as follows:

Basement-1

- The parking aisle 5.8 metres wide minimum.
- The general 90-degree car spaces are a minimum 2.4 metres wide and 5.4 metres
- The disabled car spaces are 2.4 metres wide with a length of 5.4 metres
 - Shared zones are 2.4 metres wide and 5.4 metres long minimum
 - Bollards had been provided
- A turning bay is provided
- The service bay is 3.2 metres wide and 5.4 metres wide and suits a van
- Motorbike spaces are 1.2 metres wide and 2.5 metres long
- Bicycles spaces are provided
- A blind aisle extension of 1 metre minimum had been provided.
- Wheel stops are assigned to the car spaces

Basement-2

- The parking aisle is 5.8 metres wide minimum.
- The general 90-degree car spaces are a minimum 2.4 metres wide and 5.4 metres long
- The disabled car spaces are 2.4 metres wide with a length of 5.4 metres
 - Shared zones are 2.4 metres wide and 5.4 metres long minimum
 - Bollards had been provided
- Bicycles spaces are provided
- Car wash bay is provided with the length of 3.5 metres wide and 5.4 metres long
- A blind aisle extension of 1 metre minimum had been provided.
- Columns setback and length comply
- Motorcycle spaces are 1.2 metres wide and 2.5 metres long
- Turning bay with the dimension of 3.2 metres wide and 5.4 metres long
- Wheel stops are assigned to the car spaces
- Small car spaces are provided with the dimension of 2.3 metres wide and 5.1 metres long

4. SWEPT PATHS

A swept turning path analysis is performed using a B85 vehicle to confirm that vehicle movements are adequate.

Six car spaces have been prepared for each basement level.

5. CONCLUSIONS AND RECOMMENDATIONS

The car parking area and driveway is overall compliant with Australian Standards and Council's DCP.

APPENDIX A – SWEPT PATHS