



# **CARPARK AND DRIVEWAY CERTIFICATION OF THE PROPOSED CHILDCARE CENTRE DEVELOPMENT**

***64 Doncaster Avenue in Claremont Meadows***

Prepared for: Shobha Designs Architects & Urban Designers Pty.  
Ltd.

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## 1. INTRODUCTION

ML Traffic Engineers was commissioned by Shobha Designs Architects & Urban Designers Pty. Ltd. to prepare a carparking certification report of the proposed childcare centre development at 64 Doncaster Avenue in Claremont Meadows.

The site has frontage to Doncaster Avenue.

The car park is on ground level with vehicle access and egress via Doncaster Avenue.

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

## 2. DRIVEWAY

The details of the driveway from Doncaster Avenue into the ground level car park are as follows from the perspective of the inbound movement for description purposes:

- The driveway at the property line is 6 metres wide and remains constant throughout the length of the driveway
- The driveway has a gradient of less than 5 percent.

## 3. CAR SPACES

The details of the ground level car park are as follows:

- The car parking aisle is 6.25 metres wide
- The general 90-degree car spaces are 2.4 metres wide with a length of 5.5 metres minimum
- The parallel disabled car space is 2.4 metres wide with a length of 6 metres
  - The shared zone has the same dimensions as the disabled car space
  - A bollard is provided in the shared zone
- Blind aisle extension of 1 metre is provided and complies

## 4. SWEEP PATHS

Swept Paths analysis was performed using a B85 vehicle and a 6.5-metre waste collection truck to confirm the vehicle movements are adequate. The following Swept Paths have been performed:

- B85 forward Inbound and Reverse Outbound for car space 8
- B85 reverse Inbound and Forward Inbound for car space 1 and
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The swept paths show adequate manoeuvrability.

The swept paths are provided in Appendix A.

## **5. CAR SIGHT DISTANCE**

The cardriver's sight distance requirement to enter the external road is stated in Figure 3.2 of AS2890.1.

The sight distance varies according to the speed of the external road. Doncaster Avenue has a default speed limit of 50km/hr.

The minimum sight distance required is 45 metres. Site measurements showed that the minimum sight distance looking left or right is met without permanent obstructions.

The pedestrian sight triangle (as set out in Figure 3.3) is met as well.

## **6. CONCLUSIONS AND RECOMMENDATIONS**

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

## **SWEPT PATHS**

### **APPENDIX A**