

# **CARPARK AND DRIVEWAY CERTIFICATION OF A PROPOSED PLACE OF WORSHIP**

***Proposed Lot 212 Forestwood Drive in Glenmore  
Park***

***Prepared for: Kingswood Gospel Trust***

N1916227A (version 1a)

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## 1. INTRODUCTION

Motion Traffic Engineers was commissioned by Kingswood Gospel Trust to prepare a car park certification of a proposed PLACE OF WORSHIP at Proposed Lot 212 Forestwood Drive in Glenmore Park.

Car parking is provided on the ground floor with vehicle access and egress via The Forestwood Drive. The site has frontage to The Forestwood Drive and Bradley Street.

Reference is made to AS2890.1 (2004), AS2890.2(2002) and AS2890.6 (2009) and Council's Development Control Plan for compliance.

## 2. DRIVEWAY

The details of the proposed driveway from The Forestwood Drive into the ground floor from the perspective of the inbound movement for description purposes are as follows:

- The driveway is 5.5 metres wide at the property line
- The gradients a of the driveway are below five percent:

## 3. CAR SPACES

The details of the car parking area are as follows:

- The car parking aisle is 7.6 metres wide
- The disabled car space is 2.4 metres wide and 5.5 metres long
  - A shared zone with the same dimensions has been provided
  - A bollard with a compliant setback should be provided within the shared zone
- The general 90-degree car spaces are 2.4 metres wide with a length of 5.54 metres
- Blind aisle extensions are not provided for car space 7 and 8
  - Car space 8 has an additional 300 metre clearance to the fence
  - Car space 7 has an additional 165 metre clearance to the fence

## 4. SWEEP PATHS

A swept turning path analysis is performed using a B85 car with 4.9 metres in length, as set in the Australian Standards to confirm that vehicle movements are adequate.

The following Swept Paths have been performed:

- Entry and exit of car space 7 and 8

There is adequate access and egress for car space 8. Car space 7 should be marked as a small car space.

The swept paths are provided in the Appendix A of this report.

## **5. SIGHT DISTANCE**

The car driver's vehicle 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. The Forestwood Drive has a sign-posted speed limit of 60 km/hr.

The minimum vehicle sight distance required is 55 metres. Site measurements showed that the minimum sight distance looking left and right is met.

The pedestrian sight distance as set out in Figure 3.3 of AS2890.1 is met as well.

## **6. CONCLUSIONS AND RECOMMENDATIONS**

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

# **APPENDIX A**

## ***Swept Paths***