

CARPARK, CERTIFICATION OF A PROPOSED DUAL OCCUPANCY

49 Stoddart Street, Roselands

Prepared for: Mr and Mrs Bechara

N233154A (Version 1a)

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1. INTRODUCTION

Motion Traffic Engineers was commissioned by Mr and Mrs Bechara to prepare a car parking certification report of a proposed dual occupancy at 49 Stoddart Street in Roselands.

Car parking is provided on the ground level in the form of a single garages for each dwelling. Vehicle access and egress to the car parking area is via the Stoddart Street.

Entry into the property is forward in and reverse out (or vice versa). Council generally permits the reverse movement for small residential developments on a local road.

A speed hump is located on the centre line of the main driveway with the vehicle access and egress via the driveway.

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

2. DRIVEWAY

The details of the driveway from the Stoddart Street 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 3.5 metres wide.
- The gradients along the centre line of the driveway are less than 8 percent.

3. CAR SPACES

The details of the car parking areas are as follows:

- The single garage has dimensions of 8.5 metres in width and 3 metres in length
 - The width of the garage door opening is 2.8 metres minimum.

4. SWEEP PATHS

A swept turning path analysis is performed using a B85 car with a length of 4.91 metres in length to confirm that vehicle movements are adequate.

The following swept paths have been prepared for both car spaces.

All swept paths show adequate manoeuvrability.

The swept paths are presented in Appendix A.

5. GROUND CLEARANCE

Ground clearance has been undertaken of the speed hump to ensure entry and exit from Stoddart Street does not lead to a car to scrape. A ground clearance assessment for a B85 car shows a car will not scrape.

6. CAR SIGHT DISTANCE

The car driver'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. The Stoddart Street 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 if a driver leaves in a forward manner.

The pedestrian sight triangle (as set out in Figure 3.3) is met as well if a driver leaves in a forward manner.

7. CAR SIGHT DISTANCE

A ground clearance

8. CONCLUSIONS AND RECOMMENDATIONS

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

APPENDIX A

SWEPT PATHS ATTACHED