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Transport Planning, Traffic Impact Assessments, Road Safety Audits, Expert Witness

22 April 2022

Reference: 220004.10FA

Swaab
20 Hunter Street, Sydney NSW 2000
Attention: Alyce Johnson

LETTER OF ADVICE WITH REGARD TO THE PROPOSED PLACE OF WORSHIP AT 118 - 120 ARNOLD AVENUE, KELLYVILLE

Dear Alyce,

Reference is made to your request to provide a letter of response to issues raised by Council for the Proposed Place of Worship at 118 - 120 Arnold Avenue, Kellyville. The topics of discussion are as follows.

1. Swept Paths for limousines from Arnold Avenue and waste collection vehicles from Raymond Court
2. Restrictions on turning movements from the Arnold Avenue and Raymond Court driveways
3. Arnold Avenue driveway design
4. Alterations to the Plan of Management in relation to traffic and parking

Itemised responses to the above issues are discussed in the following sections.

1 Swept Path Analysis

Swept path analysis has been completed showing the 7m limousine accessing and egressing the site from Arnold Avenue, and the 9m garbage truck accessing and egressing the site from Raymond Court. These are the largest vehicles permitted to access the site from the respective driveways. The completed swept path tests have been reproduced in **Annexure A** for reference.

2 Turning Movement Restrictions

The egress driveway onto Arnold Avenue will be equipped with a "left turn only" sign within the site as depicted in **Figure 1**. Waste vehicles accessing and egressing the site from Raymond Court will be restricted to left in – left out access only as explained in the Plan of Management and as agreed upon with the waste contractor.



FIGURE 1: LEFT TURN ONLY SIGN – ARNOLD AVENUE EGRESS

3 Arnold Avenue Driveway Design

The entry and exit driveways to Arnold Avenue have been designed to maintain the existing bus zone and the existing two (2) on-street car parking spaces on Arnold Avenue. The on-street spaces have been shifted from their current position to a location between the entry and exit driveway. The driveway design demonstrating maintenance of the bus zone and on-street parking is depicted in **Annexure A**.

4 Revised Plan of Management

The Plan of Management has been revised to address matters raised by council including scheduled parking for deacons. The revised section of the Plan of Management relevant to traffic and parking is quoted below.

7.1 Traffic and parking management

- *All parishioners will be directed to park on site.*
- *For Stage 1 with 59 on-site car parking spaces, patronage limits (inclusive of deacons) will be limited to 200 persons.*
- *For Stage 2 with 76 on-site car parking spaces, patronage limits (inclusive of deacons) will be limited to 280 persons.*
- *In both Stages, car parking marshals will be employed (being one or more of the parishioners attending the service) will assist drivers to available car parking spaces, which will eliminate any need for turning bays within the car park.*
- *The gates at the Arnold Avenue driveways that serve access to the ONE-WAY clockwise internal roadway for the temporary parking of limousines or hearses will be closed except during wedding and funeral services. No other vehicles will be permitted access using the Arnold Avenue driveways.*
- *All traffic leaving the eastern EXIT ONLY driveway to Arnold Avenue will be directed by regulatory sign post to turn left only. The western driveway at the Arnold Avenue frontage will be the ENTRY ONLY driveway for wedding and funeral vehicles.*
- *The Raymond Circuit driveways will operate in a clockwise direction with the eastern driveway being the ENTRY ONLY driveway and the western driveway being the EXIT ONLY driveway.*

- *The eight (8) stacked car parking spaces in both stages are reserved for use by deacons only who arrive early and leave after services.*

The Plan of Management will be further revised to include the left in – left out arrangement for waste vehicles accessing the site from Raymond Court as discussed in **Section 2** of this letter.

Additionally, regarding Council's concern for the need for turning bays within the car park, strict application of AS2890.1:2004 for a peak event managed private car park (as distinct from a public car park) does not need turning bays as on-site parking marshals can be employed at these times.

Please contact the undersigned on 9521 7199 should you require further information or assistance.

Yours faithfully,

McLaren Traffic Engineering



Craig McLaren

Director

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RMS Accredited Level 3 Road Safety Auditor [1998]

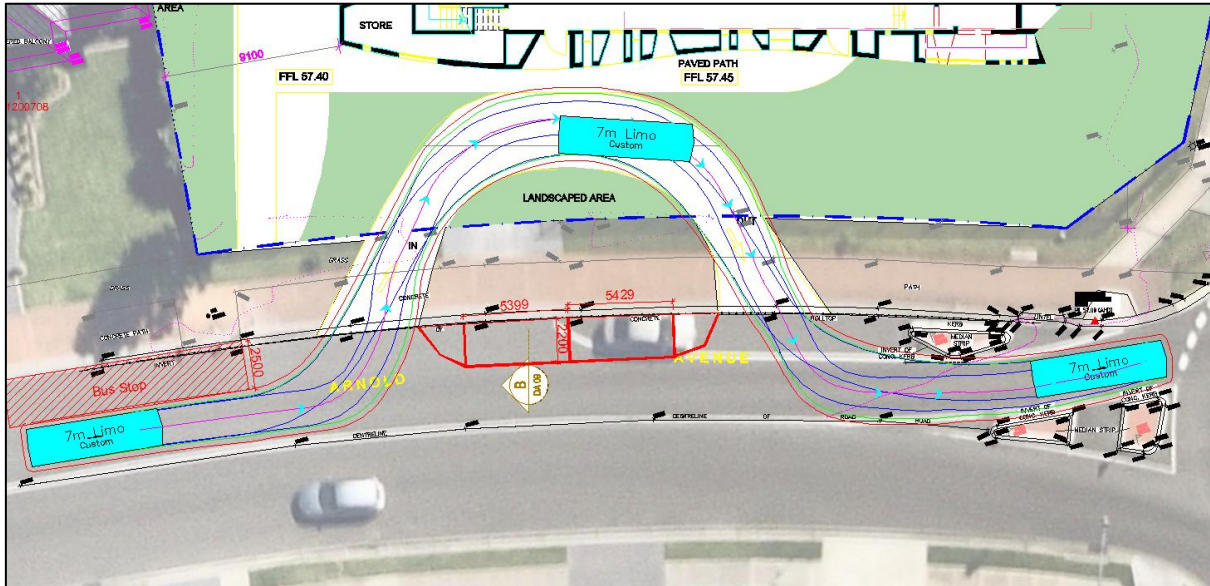
RMS Accredited Traffic Management Plan Designer [2018]



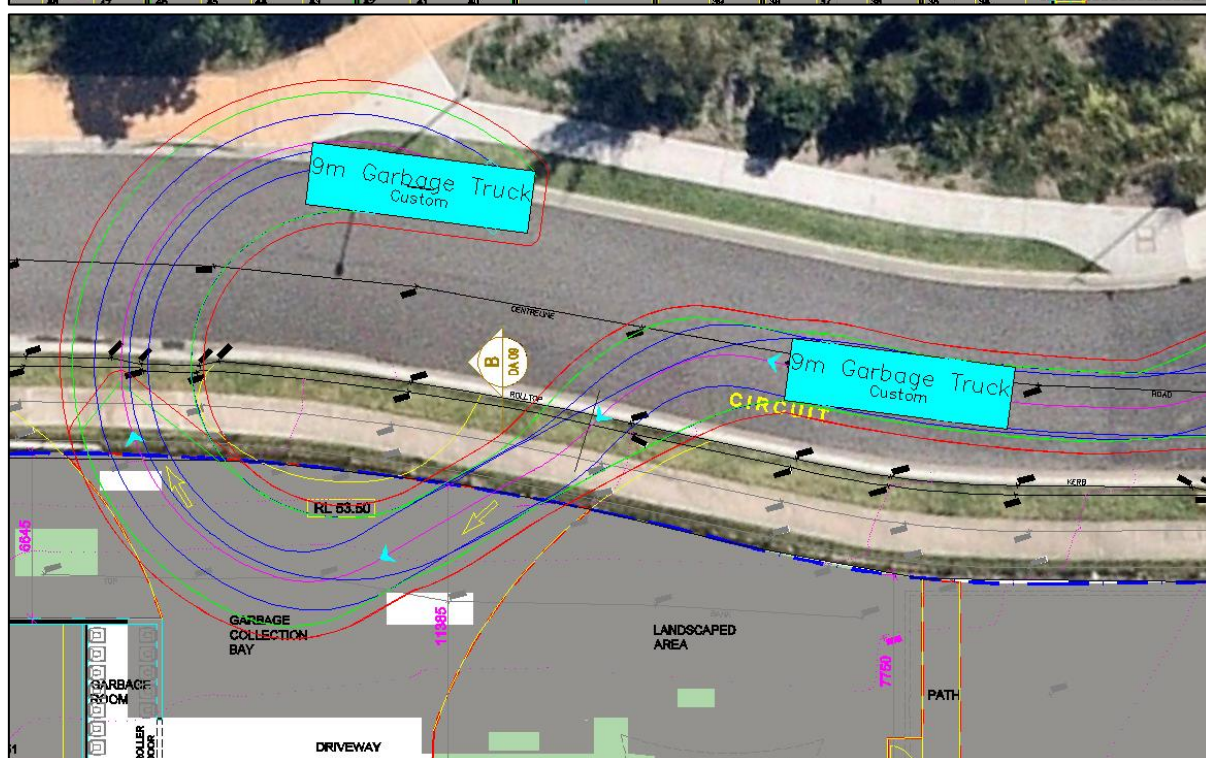
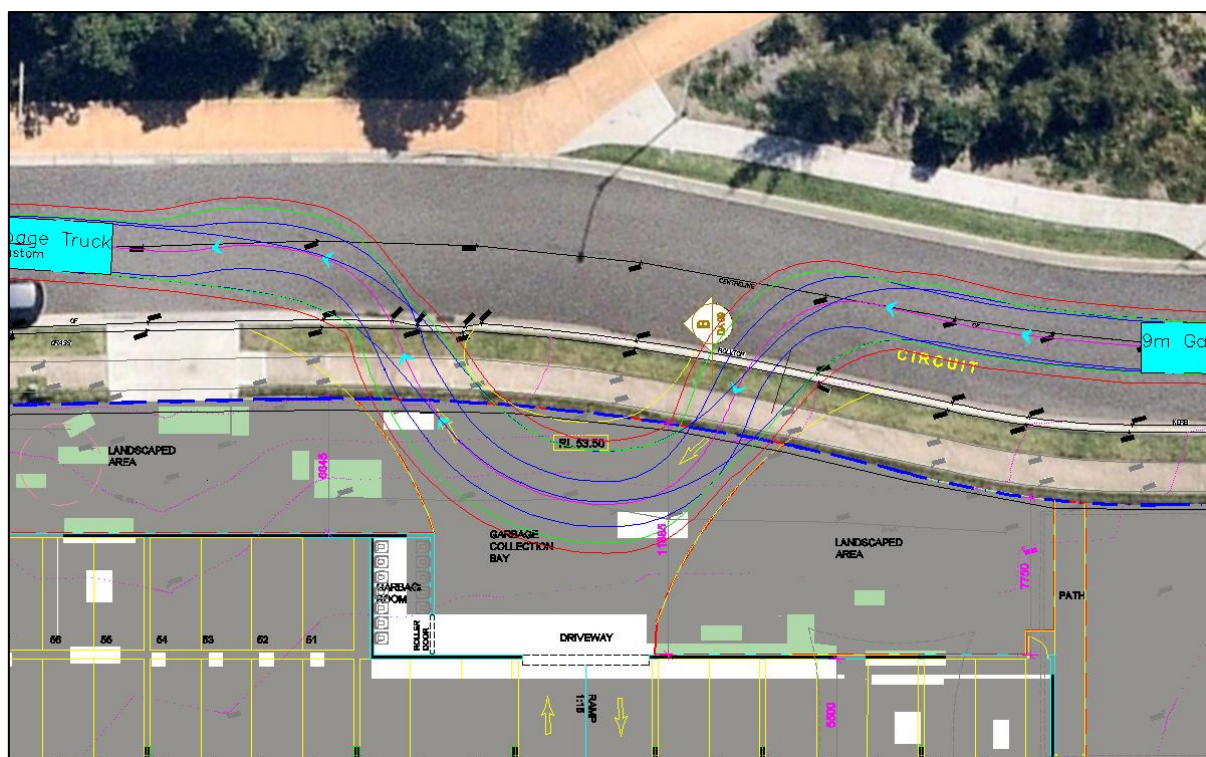
**ANNEXURE A: SWEPT PATH ANALYSIS
(2 SHEETS)**

Date: 8 April 2022

Site Address: 118 - 120 Arnold Avenue, Kellyville



Successful – limo avoids bus zone and driveway location can accommodate 2 on-street car parking spaces between the entry and exit driveway.



9m Garbage Truck Circulation

Successful – Subject to left in / left out manoeuvre.