

## Traffic Engineer Referral Response

Application Number:	Mod2021/0214
Date:	14/05/2021
Responsible Officer	
Land to be developed (Address):	Lot 100 DP 16682 , 14 Kalang Road ELANORA HEIGHTS NSW 2101

### Officer comments

The modification application for the single dwelling house was referred to Traffic for a safety assessment due to the concerns raised regarding adjoining road geometry(both horizontal and vertical alignment).

The current road environment (signs and lines) does not allow for on-street parking in this location, with recent traffic counts indicating that over 3200 vehicles a day travel along Kalang Road with an 85 percentile speed of 54 km/h in a northbound direction and 50 km/h in a southbound direction. The road is also a bus route with bidirectional services every 20 minutes on average.

An on-site line of sight assessment has been conducted to assess the reaction time for drivers interacting with vehicles entering or exiting the carriageway at the proposed driveway location and it was noted that at 50 km/h (posted speed limit) a driver would less than 2 seconds to react to a vehicle accessing the driveway.

The wider driveway apron is considered appropriate in this location to reduce the safety risks associated with the proposed access, and results in no additional loss of on street parking by providing a 6 metre wide layback and driveway apron across the unformed footpath area.

The driveway is to be designed to allow future footpath construction along the frontage of the site with the first 2 metres of the apron having a crossfall to the kerb from the property boundary no greater than 2.5%.

The application is supported on safety grounds.

The proposal is therefore supported.

Note: Should you have any concerns with the referral comments above, please discuss these with the Responsible Officer.

### Recommended Traffic Engineer Conditions:

#### **CONDITIONS TO BE SATISFIED PRIOR TO THE ISSUE OF THE CONSTRUCTION CERTIFICATE**

#### **Vehicle Access & Parking**

The driveway is to be a maximum width of 6 metres and the first 2 metres from the layback shall have a maximum crossfall of 2.5% towards the road from the property boundary.

With respect to this, the following revision(s) must be undertaken;

All internal driveways transitions complying with AS 2890.1. To ensure the gradient requirements are satisfied, a driveway profile must be prepared for the driveway demonstrating compliance, with grades, and surface RL's indicated on the plan. The driveway profile must be taken along the steepest grade of travel or sections having significant changes in grades, where scraping or height restrictions could potentially occur and is to demonstrate compliance with AS 2890 for the respective type of vehicle.

Plans prepared by a suitably qualified Engineer shall be submitted to the Certifying Authority prior to the issue of a Construction Certificate.

Reason: To ensure compliance with Australian Standards relating to manoeuvring, access and parking of vehicles.

**Pedestrian sight distance at property boundary**

A pedestrian sight triangle of 2.0 metres by 2.5m metres, in accordance with AS2890.1:2004 is to be provided at the vehicular access to the property and where internal circulation roadways intersect with footpaths or other pedestrian access areas. Details demonstrating compliance are to be submitted to the Certifying Authority prior to the issue of the Construction Certificate.

Reason: To maintain pedestrian safety.

**ON-GOING CONDITIONS THAT MUST BE COMPLIED WITH AT ALL TIMES**

**Landscaping adjoining vehicular access**

The applicant must ensure that the planting chosen for any land immediately adjacent to the driveway must not exceed a height of 1,140mm

Reason: To maintain unobstructed sight distance for motorists.