



Terraffic Pty Ltd

Traffic and Parking Consultants

ABN 83 078 415 871

22nd March 2021

Ref 21007

The General Manager
Northern Beaches Council
59A Old Barrenjoey Road
Avalon Beach NSW 2107

Attention: Mr Joseph Di Cristo

Dear Joe,

**49 BINBURRA AVENUE, AVALON BEACH
PROPOSED DRIVEWAY DESIGN**

Terraffic Pty Ltd has been engaged by THW Architects to redesign the existing vehicle access driveway serving the abovementioned development site. The existing driveway serving the dwelling is 3.3m wide and has a fall of 18% (1 in 5.6) from the back of layback to boundary.



Existing Access Driveway

The proposed alterations and additions to the existing dwelling include a new double width garage and 5.0m wide driveway to Binburra Avenue. The proposed driveway will replace the existing driveway and has been designed to satisfy the following aspects of the Australian Standard AS/NZS2890.1-2004:

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- The maximum gradient of the driveway does not exceed 17.5% (1 in 5.7)
- Driveway transitions do not exceed 12.5% (1 in 8) over a distance of 2.0m at crests
- Driveway transitions do not exceed 15% (1 in 6.7) over a distance of 2.0m at sags

The ability of the Australian Standard B85 vehicle (Ford Falcon) to drive over the proposed driveway was tested using the ground clearance template from Figure C1 of the Standard. Three profiles have been prepared by THW Architects and include the centreline and both edges of the driveway. The profiles show the B85 vehicle ground clearances and confirm that the proposed driveway will not result in any scraping or bottoming out.

While there is no footpath on Binburra Avenue, the proposal has provided a 5% (1 in 20) grade for 2.0m from the back of layback to provide a relatively flat surface for any potential pedestrians walking along the roadway.

Should you require any further information, please do not hesitate to contact Michael Logan on 0411 129 346 during business hours.

Yours faithfully

A handwritten signature in black ink, appearing to read 'M Logan', with a long horizontal stroke extending to the right.

Michael Logan *MTraff* (Monash University)
Director
Terraflow Pty Ltd