



CONSULTANTS

Our Reference: SY170002

8 Feb 2018

Hornsby Shire Council  
PO Box 37  
Hornsby NSW 1630

Attention: Mr James Frawley

**RE: Guardrail Re-alignment  
Beecroft Community Centre, BEECROFT NSW 2119  
DESIGN STATEMENT**

Dear Sir

This is to certify that an assessment of the proposed re-alignment of the existing W-Beam guardrail has been carried out by an appropriately qualified and competent person in this area, exercising the skill, care and diligence normally exercised by consulting engineers in similar circumstances and as such, the design as detailed complies with the listed considerations.

### Background

The proposed re-alignment of the guardrail is being undertaken to accommodate a proposed new carpark that is to be constructed to service the community hall within the site. A new vehicle crossing, and driveway access is proposed off Copeland Road which means that the existing guardrail parallel to the road will need to be removed and replaced.

### Guardrail Re-alignment

The replacement guardrail will extend from the location of the current guardrail adjacent the end of the rail bridge and curve into the community centre alongside the new vehicle crossing. The intention of the guardrail is to prevent the possibility of an errant vehicle from Copeland Road or the driveway from entering the rail corridor. The change in angle of the guardrail relative to the main road is not considered to affect the design intention and performance of the guardrail provided it is replaced and installed in accordance with the requirements and engineering guidelines as required by Road and Maritime Services, Hornsby Shire Council and the manufacturers specifications.

### Referenced Data

- Australian Standards
- Council Standards
- Usual good engineering practice

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This certificate does not relieve other parties of their responsibilities for the works.

Yours faithfully,  
**ACOR Consultants Pty Ltd**

A handwritten signature in blue ink that reads 'Budd'.

Jason Budd  
Senior Civil Engineer