CIVIL STORMWATER ENGINEERING GROUP

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Letter of Response



April 30, 2024 CSW2024.155

LETTER OF RESPONSE

To whom it may concern, Dear council officer, Canterbury Bankstown City Council,

RE: 31 Dunmore Street, Croydon Park.

CSEG[™] has been commissioned by our client Mr Semaan, to undertake the stormwater and civil design for a proposed dual occupancy development for the subject site. During a site inspection, it was noticed that 2 kerb inlet pits with a 3.6m lintel consume the majority of the site's frontage.



Figure 1 - 31 Dunmore Street, Croydon Park.

The location of the existing kerb inlet pits posed a design challenge of adequately locating the new vehicle crossings while complying with local and national standards.

This matter was discussed with a Council officer, who advised that Council would accept the modification of the upstream lintel from a 3.6m to a 2.4m lintel while the downstream lintel remains as is.



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LEVEL 2, SUITE 2, 10 MALLET STREET CAMPERDOWN, 2050

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Upon preparing a concept design, it was noticed that the requirements set by Council deemed difficult to comply with. Therefore, a performance solution concept design was proposed as seen as the best fit for the subject site, refer to stormwater design plans CSW2024.155.REV.01 dated 27.11.2024 for further details.

The performance solution-based concept stormwater design proposed the following changes:

- 1. The vehicle crossing for unit B has been designed with 450mm wings in-lieu of 800mm wings as per standard drawing S-007.
- 2. The upstream lintel of 3.6m to be reduced to a 1.8m lintel instead of 2.4m and shifted upstream by 450mm (approximately) while maintaining adequate clearance from existing vehicle crossing of 29 Dunmore Street. As a result of this shift, the existing 375mm RCP pipe to be replaced or extended to the new proposed pit.

The above proposed solution will allow for all existing and proposed vehicle crossing to maintain an adequate offset from existing and proposed lintel structures.

We request of Council to take the above solution into consideration, and we would like to have a meeting to further discuss this matter and establish common grounds.

Please don't hesitate to contact the undersigned if you wish to further discuss this matter.

Kind Regards

Samir C Hakim,

SAMARHAKAM

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