

Our Ref PN-00635.L008  
Contact Anthony Mancone

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Health Infrastructure  
c/- Capital Insight  
Level 6, 77 Berry Street  
NORTH SYDNEY NSW 2060

Attention: Scott Lawlor



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Dear Scott

## **CAMPBELLTOWN HOSPITAL STAGE 1 REDEVELOPMENT**

This letter is in response to the Hydraulic Issues raised by Campbelltown City Council in their response to the notice of exhibition of the State Significant Development Application for the Stage 1 Development, Acute Health Services Building, Campbelltown Hospital.

### Points 1, 2 and 5

These three items relate to the capacity of Council's existing drainage system in Central Road and Parkside Crescent. As part of our consultation with Campbelltown Council for the Early Works component of the project (which is being completed under a separate REF Approval), a report was prepared by C&M Consulting Engineers in February 2012 assessing the capacity of Council's existing drainage systems in Central Road and Parkside Crescent. This report and the associated hydraulic models were submitted to Council in February 2012 for review.

### Point 3

The majority of the drainage works is being completed during the Early Works phase of the project (which is being completed under a separate REF Approval).

In summary, the stormwater drainage for the site has been designed to collect and convey stormwater drainage via a conventional piped stormwater drainage system for storm events up to and including a 1 in 20 year Average Recurrence Interval (ARI) storm event.

Provision has been made for the safe conveyance of storms via overland flow paths for storm events up to the 1 in 100 year ARI storm event.

Adequate freeboard has been provided within the overland flow paths to provide protection from overland flows generated from storm events larger than a 1 in 100 year ARI event.

The site is not affected by mainstream flooding and therefore the PMF does not require consideration.

Point 4

The majority of the drainage works is being completed during the Early Works phase of the project (which is being completed under a separate REF Approval).

The design of the new stormwater drainage lines allows for future expansion of the hospital in accordance with Health Infrastructures Masterplan for the site.

Point 6

The site is not affected by mainstream flooding. The site is subject to local overland flows. The requirements outlined under this item are standard engineering practice.

Point 7

Enviropods are an integral part of our proposed treatment train to meet Council's water quality reduction targets. It is worthwhile noting that an 'end of line' device as suggested is also proposed as part of the stormwater drainage system.

Point 8

Noted.

If you wish to discuss any of the above matters further or require additional information, please don't hesitate to contact the undersigned.

Yours faithfully



Anthony Mancone  
Civil Engineer – Director  
C & M Consulting Engineers Pty Ltd