

7 June 2019

181457

Health Infrastructure

c/- Colliers International Project Management
Level 30, Grosvenor Place
225 George Street
Sydney NSW 2000

Attention: Bonnie Custance

Dear Bonnie,

Wyong Hospital Expansion (SSD 9536)

Flood Impact on Wyong Hospital Expansion

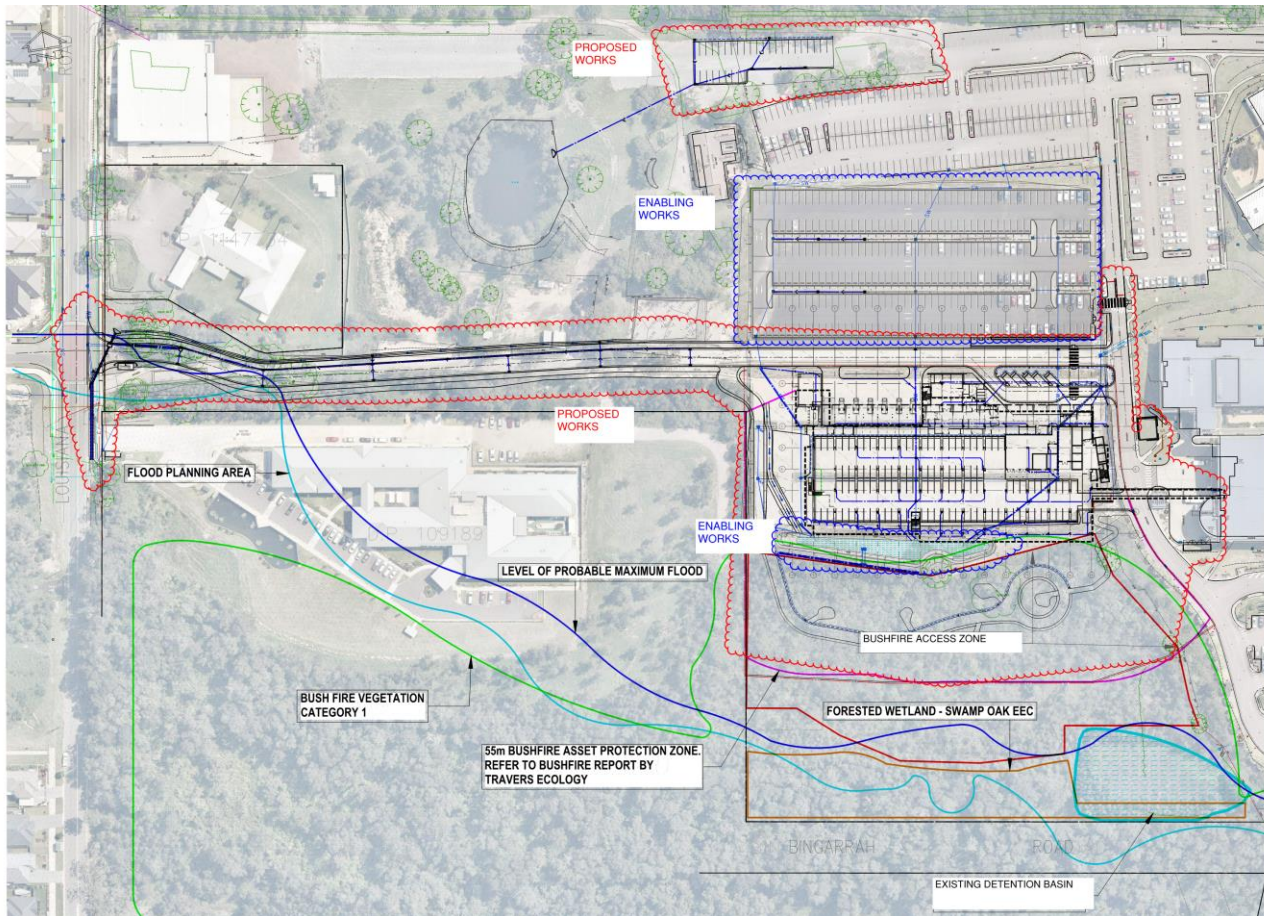
TTW have reviewed the submissions made by government agencies and other bodies to the public exhibition of the Wyong Hospital Expansion state significant development application (SSD 9536).

Our response in this letter is specifically addressed to the Office of Environment and Heritage comments on the Wyong Hospital Expansion environmental impact statement recommendations with respect to Flooding and Flood Risk.

In response to the comment that [“Changes to the flood extent caused by any adjoining development that has been built since the Porters Creek Floodplain Management Study should be considered for the site”](#)

TTW have consulted with Central Coast Council with respect to the development extent assumed by the Porters Creek Floodplain Management Study. Council have advised that the Porters Creek Floodplain Management Study is based on the full development of the catchment. The flood extent nominated in the Porters Creek Floodplain management study includes the effects of the recent approved development

The flood mapping shown in Figure 4 and Figure 5 in sections 4.0 and 5.0 of the SSD report accounts for the approved development under the DCP for this area.



In response to the comment that “The proponent should demonstrate how it has concluded that the proposed roadworks will not result in changes to flood behavior”

TTW have assessed the proposed works in comparison the flood extent and note that the area of proposed filling is outside the flood extent as shown on the flood map above. This item has been assessed and is compliant with the Flood Plain Management Manual principle of not filling in flood storage areas. The filling near the connection to Louisiana Road is very minor and is at the fringe of the flood prone land. It will not have a significant effect on the flood regime.

Please refer to the stormwater section of the Integrated Water Management and Civil Design Report dated 7 June 2019.

In response to the comment that “The proponent should provide the model assumptions, inputs and outputs associated with the proposed onsite detention and water quality facilities for OEH to review”

The on-site detention and dispersion basin has been designed, approved and constructed under a separate approval to service the western carpark. The Wyong Hospital Expansion fits within the proposed footprint of the southern section of the western carpark. There is no significant change to the stormwater catchment conditions for the detention basin from that previously designed, approved and constructed.

In response to the comment that “Consideration should be given to the impact of flooding on access to the hospital. Future road upgrades may be required to improve reliability of access”

TTW have consulted with Central Coast Council with respect to a future drainage upgrade for Louisiana Road. We understand that Council has a drainage amplification planned for Louisiana Road which will improve the flood access for the Wyong Hospital site. Council's Louisiana Road upgrade is planned for 100 year ARI capacity for the floodway. There are other flood affected parts of RMS roads and Council roads outside the site that are beyond the scope of the hospital expansion project to address.

Should you require anything further please contact the undersigned.

Yours faithfully,
TAYLOR THOMSON WHITTING (NSW) PTY LTD
in its capacity as trustee for the
TAYLOR THOMSON WHITTING NSW TRUST

A handwritten signature in black ink, appearing to read 'S Brain', written in a cursive style.

Stephen Brain
Technical Director

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