

16 July 2024

Mills Oakley

Level 7
151 Clarence Street
Sydney NSW 2000

Your Ref:

Our Ref: LTR002-01-22-1063 Amendments to
Flood Assessment post DA.docx

Attention: Mr Aaron Gadiel

Email: agadiel@millsoakley.com.au

Dear Aaron,

**RE: Waluya Pty Ltd vs Minister for Planning and Public Spaces
7A-11 Racecourse Road, 5-9 Faunce Street and Young Street, West Gosford
Amendments to Flood Assessment post-DA**

This letter summarises amendments to the Flood Assessment prepared in support of the proposed development of the Busways Transport Depot at Racecourse Road, West Gosford, between:

- Issue 01 (15 December 2022), which is currently before the Land and Environment Court (filed on 22 August 2023); and
 - Issue 05 (7 May 2024), which is the current revision of the Flood Assessment.
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- a) The hydraulic (TUFLOW) modelling has been amended to a direct rain on grid approach (in lieu of input hydrographs from a DRAINS model), which provides a more accurate and realistic representation of flood behaviour upstream and through the proposed development site.
 - b) A proposed development scenario has been modelled to test the impact of blockage of the stormwater drainage network on flood behaviour within and adjacent to the Site.
 - c) The 0.2% AEP (1 in 500 year ARI) event has been simulated as a proxy to assess potential climate change impacts due to increase in rainfall intensity.
 - d) Mitigation measures have been adopted in the form of an automated swing gate to prevent access to the southern driveway in the event of a flood exceeding the 1% AEP event.
 - e) A range of additional flood mapping has been included in the revised Flood Assessment, including maps to present the change in flood hazard within and adjacent to the site as a result of the proposed development.

In addition to the revised Flood Assessment, a preliminary Flood Emergency Response Plan (Issue 01, 18 March 2024) has been prepared to specifically address management measures to be implemented in the event of extreme rainfall and flooding in the vicinity of the site (events exceeding the 1% AEP up to the Probable Maximum Flood).

Should you have any questions, please don't hesitate to contact the undersigned.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'Tim Michel', with a stylized, cursive script.

Tim Michel
Associate Civil Engineer
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