

19 March 2019

Project No. 00014676

Maitland City Council
PO Box 220
Administration Building
MAITLAND NSW 2320

ATTENTION Mr Aaron Cook
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MAITLAND CITY COUNCIL - ADMINISTRATION BUILDING

Further to your request, we have reviewed the flood information provided in regards to their impact on the yet to be designed Council Administration Building which is planned to adjoin the existing Town Hall.

Based on the information provided, the Hunter River 1% AEP flood event is predicted to result in a flood water level of RL 9.73m AHD and velocity of 1.0 m/s in the vicinity of the proposed building, The proposed building is currently documented with Ground Floor Level at RL 9.355m AHD and with Level B1 at RL 6.755m AHD which is planned to be used as a plant room and store. Hence the predicted 1% AEP flood event would inundate Level B1 and rise 375mm above the proposed ground floor level.

The proposed reinforced and post-tensioned concrete framed structure can be designed to safely withstand the forces imposed by the 1% AEP flood event. Any external structures and the building cladding should be designed and documented to resist the same flood forces, and hence, the designers of those elements should be made aware of this design requirement prior to the commencement of the detail design phase of the project.

Please note that we cannot preclude the possibility that non-structural elements may be damaged due to the predicted flood event and highlight that we have not undertaken an assessment of the ability of the adjoining Town Hall to resist the forces imposed by the 1% AEP flood event.

Should you require any further advice or clarification of any of the above, please do not hesitate to contact us.

Yours faithfully
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