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**SINSW-00053-19 Kingscliff Schools Drainage and Flooding Assessment. Kingscliff Public School Addendum Report**

Dear Gabriel

Following submission of the State Significant Development Application (SSDA) for the Kingscliff Public School Redevelopment (SSD-8378620), The New South Wales Department of Planning, Industry and Environment (NSW DPIE) has provided comment in relation to the flooding report prepared by GHD on behalf of SINSW. The following comments have been provided by NSW DPIE:

- *“The Drainage and Flooding Assessment advised that the site contains limited stormwater infrastructure and the proposal may impact the stormwater runoff and flows and that further assessments are required to determine the stormwater network requirements and design. The Department requires an updated Drainage and Flooding Assessment and corresponding plans which confirm that the development has appropriately considered and provides suitable arrangements with regard to stormwater infrastructure and runoff and flows”*

GHD prepared preliminary flooding and stormwater advice regarding the proposed Kingscliff Public School Redevelopment in September 2020, which identified that the site is elevated well above the surrounding floodplain and as such is free from flood risk. On this basis the site was not categorised as Flood Liable Land, and flooding related development controls and requirements of the SEARs in relation to flooding were not considered applicable to the subject site.

The GHD flooding and hydrology assessment noted that local site works may result in localised increases in peak flows.

Northrop Consulting Engineers were engaged separately by SINSW to undertake the civil design and preparation of the stormwater management strategy for the subject site. The Northrop Concept Stormwater Design Report (Dated 18 Feb 2021) documents the findings of the detailed stormwater assessment and is provided in Attachment 13 of the EIS (<https://www.planningportal.nsw.gov.au/major-projects/project/38056>)

From the review, the following is noted:

- The report addresses sediment and erosion control measures required at the subject site to manage stormwater quality during construction.
- The report provides a detailed assessment of pre-development and post-development stormwater flows from the proposed redevelopment of the subject site
- The report addresses stormwater quantity in accordance with the Tweed Shire Council Engineering Specification (D5) and nominated On-Site detention requirements to address increases in peak runoff due to the proposed re-development. The OSD measures are reflected on the civil design drawings prepared for the site and are demonstrated in the assessment to mitigate peak flows from the site under post-development conditions back to predevelopment flows.

- The report addresses stormwater quality requirements for new developments in accordance with the Tweed Shire Council Engineering Specifications (Section D7). On the basis of discussions with Council, the proposed development was noted to include the replacement of existing demountable structures with multi-storey buildings and therefore would not constitute any additional “dirty” water from the proposed redevelopment. Stormwater quality requirements or treatment measures were therefore not proposed.

It is our opinion that the matters raised by NSW DPIE are adequately addressed in the Concept Stormwater Design Report prepared for the site by Northrop Consulting Engineers.

Regards



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