



Reference: 0424084

Your ref: DEV2024/1582

10 April 2025

Economic Development Queensland
Townsville Waterfront PDA
Development Scheme.

Copy to Jason Harris
Australian Volunteer Coast Guard
PO Box 487
TOWNSVILLE QLD 4810

Attention: Michael Fallon

Dear Michael

**RE: FURTHER ISSUES LETTER
PDA DEVELOPMENT PERMIT FOR OPERATIONAL WORKS FOR TIDAL WORKS (NEW
PONTOON) AT SIR LESLIE THIESS DRIVE, TOWNSVILLE CITY DESCRIBED AS LOT 802 ON
SP310561**

We refer to Economic Development Queensland (EDQ) information request under the further issues letter dated 18 February 2025. The following information is provided to assist EDQ in its consideration of the application in respect to item 2.

2. Hydraulic Impacts and Canal Bank Stability

Submit certification or confirmation from an RPEQ specialised in hydraulics confirming that:

- The proposed works will not result in hydraulic impacts external to the site; and
- The stability of the existing canal bank will not be affected by the proposed works.

As a suitably qualified and experienced Registered Professional Engineer Queensland (RPEQ), I can confirm,

- The proposed works will not result in hydraulic impacts external to the site, and
- The stability of the existing canal bank will not be affected by the proposed works.

The proposed pontoon has been assessed, and it has been determined that the proposed pontoon will result in no worsening of flooding or impacts on stability of the canal river

bank revetment. In fact, the replacement pontoon is likely to offer an improvement to any potential impacts due to the following reasons;

1. The proposed new pontoon has a smaller sectional area to the flow which will result in less obstruction to any outgoing or ingoing flow.
2. The smaller sectional area will result in less potential for debris to collect on the pontoon creating a debris mat.
3. The proposed pontoon offers a greater gap between the pontoon and the revetment while still maintaining the same quay line. The greater gap will benefit outgoing flow and also result in less potential for increased currents between the pontoon and revetment/canal bank reducing the risk of flows impacting canal bank stability.

I provide this assessment as a suitability qualified civil/coastal engineer with over 20 years of specific relevant experience including,

- Numerous projects for Maritime Safety Queensland (MSQ) and Gold Coast Waterways Authority (GCWA) for pontoon and boating facilities.
- Location specific Townsville project experience including coastal and flood hazard and Ross Creek specific projects.

This concludes the response to the information request. We trust the above information is of assistance in EDQ's assessment of the application.

Please do not hesitate to contact the undersigned via email adam.brook@alluvium.com.au or phone on +61 411 781 138 should you have any queries in relation to the above.

Yours faithfully,



Adam Brook

Alluvium Consulting
Principal Civil/Coastal Engineer
BEng Civil, Coastal Major (Hons), MPhil,
RPEQ 13545, CPEng, NER, MIEAust 2500172
M: 0411 781 138