

Our Ref 10937sk-3.14
Contact Sammy Kwok

27th May 2014

Mr Peter Martin
Hanson Construction Materials

E: Peter.Martin@hanson.com.au

Dear Peter,

**RESPONSE TO CONDITION 12 OF PDA DECISION NOTICE APPROVAL
REVTMENT WALL STABILITY ASSESSMENT
PROPOSED CONCRETE BATCH PLANT
ABBOTSFORD ROAD, BOWEN HILLS**

Further to a review of Condition 12 of the draft PDA Decision Notice – Approval for the proposed Concrete Batching Plant, a site meeting was undertaken on the 27/5/2014 to discuss the revetment remediation work as requested in the draft condition.

We would like to confirm that our earlier stability assessment (report ref: 10937sk-2.14 dated 9/4/2014) indicated that the recommended setback distance (2.5m horizontal separation distance from the edge of the river bank) was included in the revised detailed site layout plan. As such, the proposed development will not affect the long term stability of the revetment wall. It is considered that no immediate geotechnical remediation work is required as a result of the proposed development.

However, it is acknowledged that there are sections of the river bank that have been exposed to erosion, and would be subjected to deterioration over time from tidal actions. However, these are existing conditions that have already occurred over a period of time and will continue to occur irrespective of the development. The risk of long term erosion causing river bank stability issues is considered to be low but should be monitored.

Instead of providing detailed engineering drawings regarding erosion and scour protection work to satisfy condition 12 of the development, it is considered, a monitoring approach is all that should be required at this stage to be maintained and developed by Hanson to manage the long term erosion risk.

I trust this meets your requirements, please do not hesitate to contact me if you have any questions.

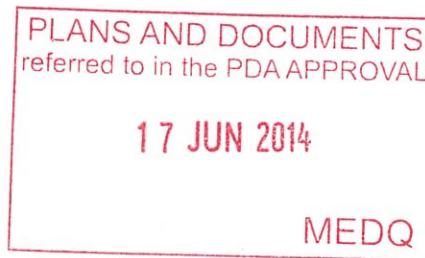
Yours faithfully



Sammy Kwok
Geotechnical Engineer
For **Cardno Bowler**



David Stirling
Senior Geotechnical Engineer
RPEQ No: 8820



Cardno Bowler Pty Ltd
ABN 74 128 806 735

PO Box 253
1 Fox Road
Acacia Ridge Qld 4110
Australia

Phone: 61 7 3320 8500
Fax: 61 7 3320 8599

www.cardnobowler.com.au
cardnobowler@cardno.com.au

Queensland • Brisbane South (Acacia Ridge) • Brisbane North (Geebung) • Cairns • Townsville
Whitsunday • Mackay • Moranbah • Emerald • Rockhampton • Gladstone • Sunshine Coast • Gold Coast
New South Wales • Sydney • Coffs Harbour • Victoria • Bendigo • Tullamarine • Geelong
Western Australia • Perth • Bunbury Northern Territory • Berrimah

