

**BEFORE AN INDEPENDENT HEARINGS PANEL
OF THE HAMILTON CITY COUNCIL**

IN THE MATTER of the Resource Management Act
1991 (**RMA**)

AND

IN THE MATTER of an application for resource
consent for the redevelopment of the
former Hamilton Hotel building at 170
Victoria Street, Hamilton CBD.

**STATEMENT OF EVIDENCE OF JAMES TERRANCE ARMITAGE
ON BEHALF OF THE APPLICANT**

**INFRASTRUCTURE
1 October 2019**

1. QUALIFICATIONS AND EXPERIENCE

- 1.1** My full name is James Terrance Armitage. I am a Project Engineer, Civils at Holmes Consulting LP. I have been with Holmes since December 2018. My role as Project Engineer involves the management and design of multiple projects across the north and south islands.
- 1.2** I hold a Professional Engineer License in the State of Washington, U.S.A. (WA #54235) and Chartered Membership in Engineering NZ (CMEngNZ #1159366). I have 19 years' experience in Civil and Infrastructure Engineering. I am a member of Engineering New Zealand and Water New Zealand.
- 1.3** My experience includes investigations, options assessments, capacity assessments, design of water, wastewater and stormwater reticulation, design of on-site wastewater and stormwater treatment and disposal, design of subdivisions/land development (including earthworks and minor roads), and design management. I have undertaken this work across both the U.S.A. and New Zealand.
- 1.4** For the Waikato Regional Theatre project, I have reviewed reports and documentation prepared for the project, including for this Resource Consent.

2. CODE OF CONDUCT

- 2.1** My qualifications as an expert are set out above. I confirm that I have read the Code of Conduct for Expert Witnesses contained in the Environment Court Practice Note 2014 and have complied with it in preparing this evidence. I confirm that the issues addressed in this evidence are within my area of expertise and I have not omitted material facts known to me that might alter or detract from my evidence.

3. SUMMARY OF EVIDENCE

- 3.1** I have been asked to provide evidence in relation to infrastructure and earthworks.
- 3.2** In this statement of evidence, I do not repeat the project description and refer to the summary of the application in the evidence of Mr David Pugh on behalf of the Applicant.
- 3.3** Holmes Consulting prepared a resource consent report, revision two issued 19th October 2018, which was lodged with the resource consent application. We provided s92

responses on 15th February 2019 and 9th May 2019. I have read the submissions received on the application and the Council Report.

3.4 My evidence will address the following aspects of the resource consent, which are within my area of expertise:

- a) Infrastructure
- b) Earthworks;
- c) Comments on the Hamilton City Council Report;
- d) Consideration of submissions; and
- e) Conclusion.

4. RELEVANT FACTS AND CONTEXT

4.1 Infrastructure

- a) Stormwater, Wastewater, Water Supply – an assessment of the effects the project will have on the existing three waters networks has been carried out in accordance with the requirements of the Regional Infrastructure Technical Standard (RITS), and has found that the existing networks can accommodate the proposed development.
- b) Stormwater Detention to accommodate runoff up to the 10-year design storm shall be provided to mitigate downstream effects.
- c) Stormwater treatment shall be provided for all trafficable hardstand areas. Currently no stormwater treatment is provided.

4.2 Earthworks

- a) Holmes Consulting has provided a Preliminary Erosion & Sediment Control Plan (ESCP) and Report for Resource Consent to ensure earthworks and associated sedimentation and dust effects are managed in accordance with Waikato Regional Council publication “Erosion & Sediment Control Guidelines for Soil Disturbing Activities” issued January 2009.

- b) The Preliminary ESCP manages sedimentation and dust by keeping clean stormwater runoff from draining into the site and treats all sediment-laden stormwater before it can leave the site.
- c) A final ESCP shall be provided before construction begins taking the Contractor's programme and methodology into account and shall also be in accordance with the Waikato Regional Council publication.

5. COMMENTS ON THE COUNCIL REPORT

- 5.1** The Council Report has not raised any issues relating to infrastructure or earthworks.
- 5.2** Section 15.4 of the Council Report concludes the infrastructure and earthworks effects of the proposal can be managed to an acceptable level and be minor overall (Line item 380, 381, 383 and 384).

6. CONSIDERATION OF SUBMISSIONS

- 6.1** There were four items raised based on submissions on the proposal (Line item 377 in HCC S42 report).
- 6.2** In relation to not mitigating the 2-year ARI storm - the pre and post stormwater calculations in the resource consent report (revision two issued 19th October 2018) assessed the impact of the 10-year storm event. The impact of a 2-year storm event is accounted for in this assessment. Hamilton City Council have accepted and agree with, our application of the RITS and our assessment on the stormwater infrastructure.
- 6.3** In relation to the to the water supply analysis being cursory – Hamilton City Council have accepted and agree with, our application of the RITS and our assessment on the water supply infrastructure. The analysis is not cursory in my expert view.
- 6.4** In relation to there being a lack of detail on Embassy Park, any design relating to infrastructure will be provided for Hamilton City Council approval following Resource Consent approval. Detailed design in accordance with the RITS will be provided to ensure drainage is managed appropriately.
- 6.5** In relation to seeking a condition of consent requiring water supply and access be provided in accordance with SNZ PAS 4509:2008, this is accepted as a Resource

Consent condition and Detailed Design will allow for this (refer Line item 382, bullet point one).

7. CONCLUSION

- 7.1** In relation to the infrastructure and earthworks matters associated with the proposal, in my opinion, the impacts have been adequately assessed, and the proposed conditions provide adequate mitigating measures, while enabling the successful construction of the Theatre.

James Terrance Armitage

1 October 2019