

October 2014
Job No. 3545

OPINION AS TO GEOTECHNICAL ISSUES TO 17 DAVID STREET FOR MR T ROUGHAN

I GRAHAM CHRISTOPHER KERRIGAN on Behalf of **KERRIGAN ENGINEERS LIMITED** hereby confirm that:


I am experienced in the field of soils engineering and more particularly land and foundation stability for light timber framed structures constructed to NZS 3604 and am formally recognized by the Marlborough District Council.

I am familiar with and understand the purpose of the Marlborough District Council's geotechnical reporting standards. This professional opinion is furnished to the Marlborough District Council regarding the geotechnical issues at 17 David Street for Mr T Roughan. The geotechnical assessment is of the immediate area of the proposed new buildings only as part of the proposed subdivision of the property into four lots. The geotechnical assessment covers the bearing capacity for light timber building construction (to NZS 3604:2011 standard) and qualitative assessment of the proposed buildings potential to liquefaction damage in a significant earth quake event.

The following professional opinion is based on the assumption that proposed buildings to the locations are designed and the construction inspected by a Chartered Professional Engineer following the requirements of the Engineering report titled report "Engineering Report for Mr & Mrs T Roughan - Site Evaluation for Subdivision at 17 David Street, Blenheim" -job number 3545, Rev A, dated June 2014.

In my professional opinion having examined the immediate area it is reasonable for Council to assume that this opinion is representative of the area of the proposed new buildings only. As the report is based on our interpretation of our visual examination and limited soil tests only it does not preclude the possibility of differing soil properties and/or other relevant physical features being present between the test locations or hidden from view.

In my professional opinion, and having regard to the specifics of the site which I have investigated in the immediate area of the proposed new buildings, that acceptable engineering practices require, and with the design to NZS 3604:2011 and specific design input to the foundations, along with construction following the plans and specifications supported by Chartered Engineers Design and being consistent with proper engineering standards, then new buildings located in the vicinity of the test locations should satisfy the reported engineering issues.



Kerrigan Engineers Ltd
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