



Memorandum

To Andrea Harris

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From Ravi Sundar

Office Whanganui

Date 10 July 2019

File 5-P1059.00

Subject Regarding Proposed Plan Change 51 - Precinct 4

Query on Proposed Plan Change 51 - Precinct 4

Soil with high water table can magnify liquefaction
Soil with high water table can magnify earthquake risks

Reply to query

- The laboratory test confirms that the soils in the top 1m to 2m are generally cohesive silty clay and clayey silt layers that are not susceptible to liquefaction.
- Non-liquefiable medium dense to dense gravel was encountered in trial pits from 1m to 2m below ground level.
- Potential liquefaction of thin pockets of silty sand and sandy silt in the top 1m to 2m depth is not expected to have any effect on the ground surface

In summary,

The soils encountered in the proposed development site are not susceptible to liquefaction. Regardless of the levels of water table these soils will not liquefy during seismic shaking.