SUMMARY STATEMENT

1. Tēnā koutou. Ko Michele Ann McDonald tōku ingoa. I am employed as team leader – asset planning water and wastewater at Christchurch City Council.

2. I have prepared evidence on behalf of the **Christchurch City Council** to discuss the impact of Plan Change 14 on water and wastewater infrastructure. I also submitted rebuttal evidence to respond to evidence directed at providing uncontrolled intensification in the hill suburbs and on the Whisper Creek land in Spencerville.

3. My evidence is supported by my 30 years' experience as a water services planning engineer and my role over the past 7 years in planning Council's water and wastewater infrastructure to accommodate growth.

4. My primary evidence outlines the interrelationship between cost-effective infrastructure development and growth certainty. The implementation of Medium Density Residential Standards concurrently throughout the city does not enable the degree of growth certainty that is needed to guarantee cost-effective and efficient infrastructure development.

5. For this reason, I support the intention of the low public transport accessibility area qualifying matter as adjusted to precincts as proposed by Mr Kleynbos because it will exclude areas from uncontrolled intensification where it will be particularly important for infrastructure to be right sized in order to deliver a proposed future demand over its life span. The containment of intensification will therefore promote cost-effective infrastructure development that is an essential element in enabling housing affordability.

6. Water and wastewater infrastructure are not sized to service the underlying District Plan zones but rather to service the consented and planned development at the time of its construction. The capacity of Council's infrastructure to accommodate growth must therefore be assessed whenever demand expectations change. Council's long-term water and wastewater infrastructure plans will similarly have to be updated.

Date: 2 November 2023

Michele McDonald