

**BEFORE THE HEARINGS PANEL  
FOR THE PROPOSED QUEENSTOWN LAKES DISTRICT PLAN**

**IN THE MATTER** of the Resource Management Act 1991

**AND**

**IN THE MATTER** of the Queenstown Lakes Proposed  
District Plan – Wakatipu Basin

**AND**

**IN THE MATTER** of Hearing Submission 2332, Middleton Family Trust

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**SUMMARY STATEMENT OF NEIL THOMAS McDONALD  
ON BEHALF OF**

**Middleton Family Trust (#2332)**

**Dated 11<sup>th</sup> July 2018**

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- 1 I am appearing today on behalf of Mr Hansen whom unfortunately is unable to attend due to a family related matter.
- 2 I have read Mr Hansen's primary evidence and I concur with his assessment and proposal as it relates to servicing the proposed re-zoning in terms of wastewater, water, storm water, power and telecommunications.
- 3 Ms Andrea Jarvis has reviewed Mr Hansen's primary evidence on behalf of QLDC and concludes that it does not address the capacity of the wastewater reticulation between the area of the proposed re-zoning and the Shotover treatment plant.
- 4 This appears to be the same concern shared by QLDC Chief Engineer, Mr Ulrich Glasner in his rebuttal evidence on submission 338 in Stage 1 of the District Plan Review. To address this, Mr Hansen recommended a "Smart" Low Pressure Sewer system which reduces peak flows through 24-hour individual on-site storage which would reduce the required demand on the existing wastewater network to 20% of the total capacity at peak discharge.
- 5 I believe that the same "Smart" Low Pressure Sewer system which was agreed with Mr Glasner as part of Stage 1 will ensure that there is capacity for anticipated wastewater demand within the existing network.
- 6 Mr Hansen recommended further modelling to confirm availability of supply within the water network based upon his analysis of the existing network and experience in making connections to it for development of this nature.
- 7 In my experience, these type of engineering matters can be satisfactorily resolved at the time of any future subdivision consent. As Mr Hansen notes in his evidence, any new infrastructure required will be constructed at little or no cost to QLDC. Should any upgrading or extension of the existing network be required this will be a cost borne upon the developer.

**Neil McDonald**

11<sup>th</sup> July 2018