

**BEFORE THE WAIMAKARIRI DISTRICT
COUNCIL HEARINGS PANEL**

IN THE MATTER of the Resource Management
Act 1991

AND

IN THE MATTER of a submission by Survus
(submission 250)

BRIEF OF EVIDENCE OF JAMES CAMERON MARS

Date 8th February 2024

QUALIFICATIONS AND EXPERIENCE

1. My name is James Cameron Mars. I have 15 years' experience as an Environmental and Three Waters Engineer and 7 years' experience as a Chartered Professional Engineer.
2. I am working for Survus Consultants Limited. I have worked for Survus for 1 year. Prior to this I worked at Eliot Sinclair and Partners Limited for 6 years.
3. My relevant professional experience includes residential, commercial and industrial development. This work involves feasibility studies, consultation with affected parties, assessment of environmental effects, conceptual and detailed design, construction monitoring, flood hazard assessments, erosion and sediment control planning and monitoring, and preparation of resource consent applications.
4. I confirm that I have prepared this evidence in accordance with the Code of Conduct for Expert Witnesses_ Code of Conduct for Expert Witnesses contained in Part 9 of the Environment Court Practice Note 2023. The issues addressed in this statement of evidence are within my area of expertise except where I state that I am relying on the evidence or advice of another person. The data, information, facts and assumptions I have considered in forming my opinions are set out in the part of the evidence in which I express my opinions. I have not omitted to consider material facts known to me that might alter or detract from the opinions I have expressed.

EVIDENCE

5. I have prepared the attached reports (**Appendix A**) dated 19th October 2023 (Preliminary Services Design Report), and 4th October 2023 (Flood Hazard Assessment Report).
6. In summary, the reports state that the subject site is suitable for a change of zoning from Rural to Large Lot Residential and can be serviced for wastewater, stormwater, potable water, power and telecommunications in accordance with the Waimakariri Engineering Code of Practise, and subject to preliminary and detailed design in conjunction with appropriate Council confirmations and consents being obtained.

7. The site is considered to be within a low hazard flood zone which does not prohibit development under Policy's 11.3.1 or 11.3.2 of the Canterbury Regional Policy Statement. It is considered that Section 106 of the Resource Management Act (1991) does not prevent the proposed re-zoning of the site and subsequent future subdivision consent.

8. The report recommends that the Waimakariri District Council (WDC) will need to confirm that the existing wastewater network and treatment plant facility have capacity to cater for the additional wastewater flow that will be generated by a future residential subdivision, and this will have a bearing on the design of the internal sewer network or any potential upgrade requirements to the downstream (external) WDC network. WDC will also need to confirm whether the existing potable water supply infrastructure has sufficient capacity to supply the residential subdivision or whether a restricted supply is required. It is not considered that potential capacity issues prohibit development of the site, rather will determine the type of internal infrastructure required and any possible upgrade measures to the WDC network.