

SUMMARY STATEMENT OF MURRAY ENGLAND

Introduction

1. My name is **MURRAY RUSSELL ENGLAND** and I prepared a Statement of Evidence dated 15 December 2021 as an officer of Selwyn District Council with respect to Plan Change 72 to the Selwyn District Plan. My qualifications and experience are set out in that statement.
2. I now provide a summary of my evidence, which addresses the water supply, wastewater system and stormwater network operated by Council which might be impacted by this plan change.

Water Supply

3. The Prebbleton Water Supply provides untreated deep groundwater to the Prebbleton community.
4. Prebbleton is expected to grow over the next 30-years. Capacity upgrades are proposed to meet this growth including additional water sources (bores), storage and pipeline infrastructure.
5. I consider that additional capacity within the network to service this plan change can be made available with further capacity upgrades proposed and planned for and therefore future water demand from the proposed plan change can be met.
6. The reticulated water supply for the proposed plan change will need to be designed to meet firefighting standards.

Wastewater

Pines WWTP

7. Wastewater is treated and disposed of at the Pines wastewater treatment plant (the Pines WWTP) in Rolleston. The Pines WWTP is designed to be progressively

upgraded to accommodate up to 60,000 person equivalents (PE) of incoming flow, with plans to increase the treatment capacity up to 120,000 PE being prepared ("Pines 120"). The current connected catchment (2021) has a population equivalent of approximately 42,000 - 45,000.

8. There are plans to expand the irrigation area to cover 302 ha (currently irrigating 189 ha). This equates to servicing for more than 120,000 PE, or more than 100,000 PE if the largest irrigator is not in operation. Ultimately, additional areas within the 486 ha of land owned and consented could be developed for land based disposal, while remaining in compliance with the existing Resource Consent conditions.

Wastewater Conveyance

9. Connection of the development's wastewater network to the Council's reticulated network (at the Prebbleton Terminal PS) is feasible. This will be the subject of an engineering approval process in the future.

Stormwater

10. It is anticipated by the applicant that stormwater will be managed within a constructed Stormwater Management Area (SMA) providing first flush treatment of the first 25mm of rainfall, attenuation of all storm events up to and including the 60hr duration 50yr ARI event. Roads will be used as secondary flow paths with the primary network being designed to convey the 10% AEP event.
11. The proposed management of stormwater is appropriate and will be subject to further investigations, design and review should the plan change be approved and the development progress to engineering approval stage.
12. The status of the stormwater outfall from this development has not been fully resolved at the time of writing this statement. The ODP should either show the legal stormwater outfall from this development or the ODP narrative should include the need to confirm and secure a legal outfall from the development.

Murray England

31 January 2022