

## **SUMMARY STATEMENT OF MURRAY ENGLAND**

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### **Introduction**

1. My name is **MURRAY RUSSELL ENGLAND** and I prepared a Statement of Evidence dated 18 August 2022 as an officer of Selwyn District Council with respect to Plan Change 81 and 82 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 and water race network operated by Council which might be impacted by this plan change.

### **Water Supply**

3. The Rolleston Water Supply provides UV treated deep groundwater to the Rolleston community.
4. Rolleston is expected to see significant growth 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 capacity within the reticulated network to service this plan change is available and/or further capacity upgrades are proposed and planned for and therefore future water conveyance capacity can be provided to accommodate this request.
6. Priority of consented water allocation needs to be given to those developments within the Rolleston Structure Plan. This plan change area is outside of the Rolleston Structure Plan area and therefore, should the plan change be approved in whole or in part, consented water needs to be made available for this plan change area to be developed. A rule requiring potable water supply availability at the time of subdivision is required.

## 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 has a population equivalent of approximately 42,000 - 45,000.

### Reverse sensitivity

8. The Pines WWTP is significant infrastructure and its ongoing expansion is critical to allow for the future growth of Rolleston and the other townships the plant treats.
9. In my view, it is critical that this plan change, specifically PC82, proposal does not cause any reverse sensitivity issues which would obstruct the future Pines 120 consenting and upgrade program or lead to an increase in odour or other complaints relating to the Pines WWTP. If reverse sensitivity issues result in obstructing the Pines 120 program, then there will be insufficient wastewater treatment capacity to provide for additional growth, including growth sought to be enabled by this proposed plan change.
10. Should the plan change be approved, I consider there should be measures put in place to avoid reverse sensitivity issues arising from sensitive activities (including residential activities) establishing in the PC82 block. I consider that one way this could be achieved is through the imposition of a setback area within PC82 preventing sensitive activities from establishing.
11. The ODP for PC82 states that *'No residential allotments may be created within 1500m of the Pines Wastewater Treatment Plant buildings (as depicted by the green line shown in Figure 1 below) prior to: Certification by the Council's Asset Manager that the resource management approvals required to enable the Pines Wastewater Treatment Plan to provide treatment capacity for 120,000 person equivalents of incoming flow have been obtained; or 31 December 2025, whichever is sooner.'*

12. This control reflects that which was offered by the PC73 applicants. To provide further certainty, the date referenced should be extended one additional year to 31 December 2026. I note that this has been proposed in the evidence of Mr Phillips.
13. This control addresses my concerns in terms of the future consenting of the Pines WWTP to 120,000 PE capacity. I remain concerned that this control may not address the potential for complaints after regulatory approvals are obtained.
14. Reverse sensitivity issues from the establishment of sensitive activities could be directed at the operations of the Pines 120 upgrade, including in relation to any unforeseen events that might have odour impacts on the operations, such as high potency / concentration of trade waste discharge, failure of plant components, extreme climatic conditions (e.g. wind direction, speed, sunshine hours) etc.
15. I note that the evidence of Mr Phillips proposes a 'no-complaints covenant' on any residential allotment within 1500m of the Pines WWTP. I support this proposal.

#### Wastewater Conveyance

16. Connection of the development's wastewater network to the Council's reticulated network is feasible and will be the subject of an engineering approval process in the future. I comment on potential solutions in my evidence.

#### **Stormwater**

17. It is anticipated by the applicant that stormwater will be discharged to ground. The proposed management of stormwater is appropriate for this area.
18. There is a viable means to dispose of stormwater for this plan change area. I would recommend that a stormwater consent is obtained from Environment Canterbury prior to resource consent (subdivision) being applied for from Selwyn District Council.

#### **Water Race**

19. There is a water race flowing across the Western Boundary of PC82 and the lower half of PC 81. There are a number of ways to manage the water race. The ultimate treatment of the water race can be determined at subdivision consent stage.

#### **Murray England**

**13 September 2022**