

# Summary Statement on Plan Change 67 to the Selwyn District Plan – Three Waters Infrastructure

**Prepared for:** Liz White, Liz White Planning  
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**Prepared by:** Shane Bishop, Principal Engineer

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## Introduction

1. My name is Shane David Stephen Bishop. I have prepared a Statement of Evidence as an advisor to Selwyn District Council with respect to Plan Change 67 to the Selwyn District Plan. My qualifications and experience are set out in that statement.
2. I have considered the plan change application (Plan Change 67) in relation to the water supply, wastewater system and stormwater network operated by Council which might be impacted by this plan change.
3. The potential impacts of this plan change have been considered in the context of ultimately servicing the three waters demands of the current community and other West Melton area plan changes currently submitted (namely Plan Change 74 and Plan Change 77 in addition to Plan Change 67).
4. I have read in particular the September 2020 Infrastructure Report by Davie Lovell Smith included in the Plan Change Application, the Statement of Evidence of Mr Andrew Hall for Infrastructure dated 30 August 2021 and the supplementary information provided in preparation of my evidence. The following paragraphs summarise my observations and conclusions.

## Water Supply

5. Currently the physical water supply infrastructure (those assets which abstract, treat, store and pump potable water) has capacity to meet existing demands and part of planned / proposed future growth requirements. Upgrades are required to accommodate additional growth.
6. The Council 2021 – 31 Long Term Plan includes budget for further upgrades on the West Melton water supply to address capacity constraints including new reservoirs (to offset periods of peak demand), new water sources and pipelines to service growth.
7. The Applicant has confirmed that the “*water supply will be designed in accordance with SDC specifications and SNZ PAS 4509:2008 New Zealand Fire Service Firefighting Water Supplies Code of Practice.*”
8. The Applicant (as per Paragraph 4.4 of the evidence of Mr Hall) is proposing “*to require the inclusion of rain-water harvesting tanks as part of any dwelling within the PC67 area.*” for non-potable uses

(e.g. toilet flushing and/or garden watering). This approach is consistent with SDC's Water Conservation and Demand Management Plan.

9. I consider that although additional capacity within the network to fully service this and other West Melton plan changes currently submitted is not currently available, capacity upgrades are proposed and planned for, and therefore future water demand from the proposed plan change can be met.

## Wastewater

10. While the intended servicing plan presented by the Applicant for wastewater within the Plan Change Area is by Local Pressure Sewer (as per Paragraph 5.1 of the evidence of Mr Hall), the ultimate configuration would be subject to SDC engineering approval. A case will need to be made as to variance from installation of the gravity collection system. Should Local Pressure Sewer be progressed then mechanisms for monitoring and controls will need to be agreed with Council.
11. I accept the conclusion from the Infrastructure Report that the system has capacity to accept and convey flows from the existing catchment and proposed flows from this plan change to the main Rossington Drive pump station, and conveyed via a discharge pressure to the Rolleston Wastewater network. I acknowledge that provision is to be made for the future extension of the pressure main should it be required for additional capacity.
12. The Pines WwTP, which treats the effluent conveyed from West Melton, 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. The current connected catchment (2021) has a population equivalent of approximately 42,000 – 45,000 PE. These upgrades were consulted upon within the 2021/2022 LTP, are planned and budgeted for within the Selwyn District Council 2021-2031 Long Term Plan. Consequently, I consider there is a viable means to treat and dispose of wastewater for this plan change area.

## Stormwater

13. As per Paragraphs 6.2 and 6.3 of the evidence of Mr Hall, the Applicant has proposed that stormwater would discharge to ground via soakholes for public areas and roads, and soakholes on private properties / individual sites. This approach is consistent with the surrounding urban development areas. I consider 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 being applied for from Selwyn District Council.

## Overall Conclusion

14. As presented in the evidence of Mr Hall, and on assessment of supporting information, there are viable means to provide drinking water, to manage wastewater and to discharge stormwater. On this basis, I support proposed Plan Change 67.