
INFRASTRUCTURE REVIEW - LINCOLN
PREPARED BY MURRAY ENGLAND – ASSET MANAGER WATER SERVICES
SELWYN DISTRICT COUNCIL

Introduction

1. My name is **MURRAY RUSSELL ENGLAND**. My qualifications are BE (Environmental) and NZCE (Civil).
2. I am the Asset Manager – Water Services for the Selwyn District Council (“the Council”) and I am authorised to present this statement on its behalf. I have been employed by the Council since March 2009 initially holding the position of Stormwater Engineer and since May 2012 the position of Asset Manager Water Services.
3. I have the responsibility of managing Council’s 5 waters which include Potable Water, Wastewater, Stormwater, Land Drainage and Water Races.
4. This report considers the impact of re-zoning land, as part of the District Plan review, in relation to the water supply, wastewater system, and stormwater network operated by Council.

DPR-136 – Lincoln

1. **Water** – Lincoln 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. Recently Council developed and adopted the 2021 – 31 Long Term Plan which included budget for further development funded, capacity upgrades on the Lincoln water supply.
2. As the township grows, the consented water allocation will be put under pressure. To ensure that growth is appropriately integrated with the provision of infrastructure, and planned growth can be serviced, priority of water allocation needs to be given to those areas already zoned for development.
3. I confirm that this plan change area is outside Lincoln growth boundary and therefore, should the re-zoning be approved in whole or in part, consented water needs to be vested in Council.

4. In my opinion, there is potential for this zone change request which is outside of the Lincoln growth boundary to be recommended for decline due to water availability limitations.
5. In this instance however, if existing consent CRC223745 is vested in Council, I am satisfied that sufficient water can be made available to service this plan change area.
6. **Water race** - There is a water race flowing through and adjacent to the land subject to the rezoning proposal.
7. There are a number of ways to manage the water race. These include: incorporating the race within the development, closing the race, diverting the race, or piping the race.
8. It should be noted that the Council's water race closure process requires 80% of downstream user's approval prior to going out for consultation and ultimate Council decision to approve or otherwise.
9. The ultimate treatment of the water race can be determined at or before subdivision consent stage.
10. **Stormwater** – It is anticipated by the applicant that stormwater will be able to be discharged to ground in a portion of the site with the remaining site to be attenuated and discharged to surface water. Areas of land will be set-aside for stormwater treatment and attenuation. The discharge of stormwater to ground should be encouraged where appropriate.
11. The applicant has proposed that the existing 225 dia water race pipeline, flowing south from the proposed development area, be used to convey stormwater from part of this rezone area. For this proposal to proceed, the closure of the existing water race would need to be gained through the closure process prior to the water race pipeline being utilised for stormwater conveyance.
12. The development of this land will likely improve the management of natural overland flow paths in the area.
13. 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.
14. **Wastewater** – the applicant proposes to service the development area with a gravity reticulated wastewater network draining to a centralised pumping station which will discharge into an existing

pressure main on Springs Road and on to the Lincoln terminal pump station before being pumped to the Pines Treatment Plant in Rolleston.

15. Wastewater servicing is feasible and will be subject to the engineering approval process. Should this zoning change be approved, it is noted that development contributions are payable for any additional lots.

Murray England
Asset Manager Water Services, Selwyn District Council

6 December 2022