

## Dam Management Plan

Re: RM210293B – Conditions 17 and 18 – Dam Management Plan

This dam management plan is produced in response to the above consent for subdivision and future construction of the 17-lot subdivision at 566 Pourerere Road, Waipawa.

### Background

The Dam that forms part of the balance lot has been deliberately placed at the heart of the rural subdivision, and has been planted with site suitable plantings to create a riparian enhancement and amenity to future lot owners. The dam is to be retained in the balance lot and is not included in any sales of the 17 lifestyle Lots created as part of the subdivision.

The dam is assumed to have been created prior to 1943 (*Retrolens*) and is not classified as a large dam (being  $<15,000\text{m}^3$  in volume and with a dam crest  $<4\text{m}$  high (Preliminary Geotechnical Investigation – RDCL Geotechnical))

The civil design of lots 13-17 has taken into account a dam wall breach in their design, and has appropriate freeboard to ensure safety in a breach. The spillway and culvert crossing have been engineered to ensure water flows past lots, not through lots.

### Dam Aerial Image



**Fig 1:** 566 Pourerere Road, Waipawa

## Approved Subdivision Plan

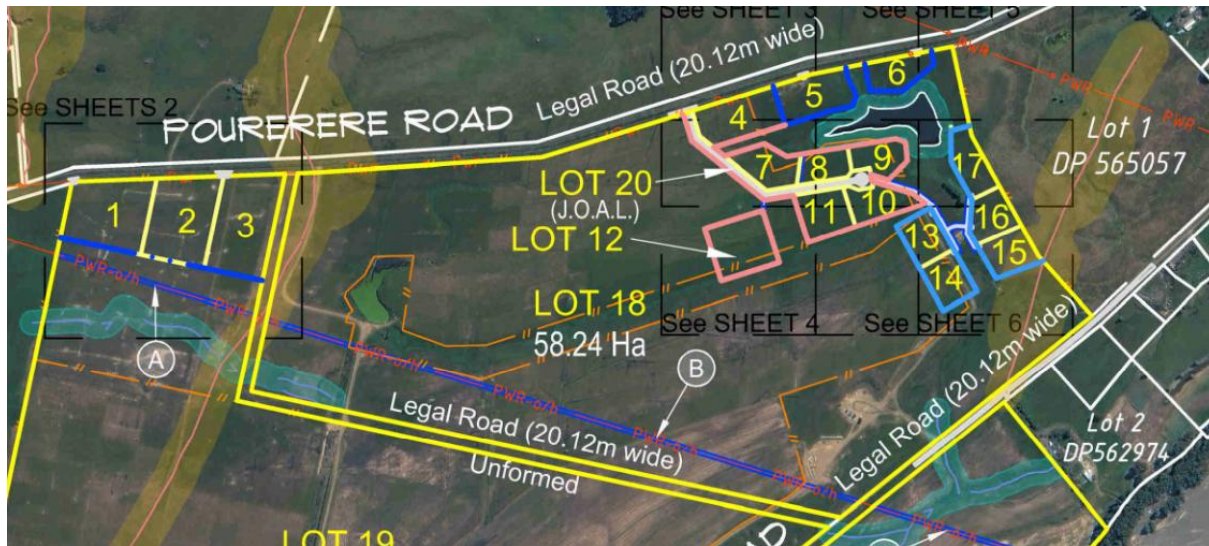


Fig 2: Lot 18 – future lot

## Management Plan

The dam management plan calls for the following actions to be completed:

- Every year, the dam perimeter is to be visually inspected, noting any irregularities such as scouring or cracking of the dam boundaries.
- The culvert in the spillway is also to be visually inspected to ensure it is free of debris and obstructions.
  - Photographs are to be kept as a record of inspection
- If irregularities are noted developing, a suitably qualified person is to inspect the dam and provide recommendations as to remedies/mitigation measures that need to be completed.
- Riparian planting around the dam to be maintained, pruned where appropriate, grass maintained around the dam, ensuring no debris makes its way into the dam
- These measures are to be completed, and continued annual inspections are to continue.
- There are no ongoing management obligations on the 17 lot owners in the subdivision, the obligation is carried by the balance lot owner (Lot 18)