

Project:	Subdivision				seng	ENGINEERING CONSULTANCY
Client:	New Zealand Forestland Ltd					
Location:	Port Underwood Sound					
Ref:	0190	Date:	24.02.15	Page:	1 of 1	P 021 281 8889 E khalid@seng.co.nz W www.seng.co.nz P.O Box 707, Blenheim 7240

Wastewater Design Calculations

In accordance with AS/NZS 1547:2012 & The Marlborough District Council Guidelines 2005

Loading

Bedrooms: **4**

Occupancy: **8 Persons**

Water Supply: 2 ▼

Household Plumbing: 1 ▼

Flow Allowance: **200** litres/day/ person

DRAINAGE CONTROLS:

No need for surface water collector / cut-off drains, access road provides good stormwater control up slope

RESERVE AREA

Reserve area available for extensions is 50% of the design area:

RESTRICTIONS

Boundaries & streams

Design

Disposal Field Type: 4 ▼

Soil Type: ▼

Soil Category: **5**

Daily Loading Rate: **3** mm/day

Slope Reduction Factor: **20** %

Final Loading Rate: **2.4** mm/day

(worst case)

Calculations

DAILY FLOW: **1600** L/day

LOADING RATE: **2.4** mm/day

AREA REQUIRED: **667** m²