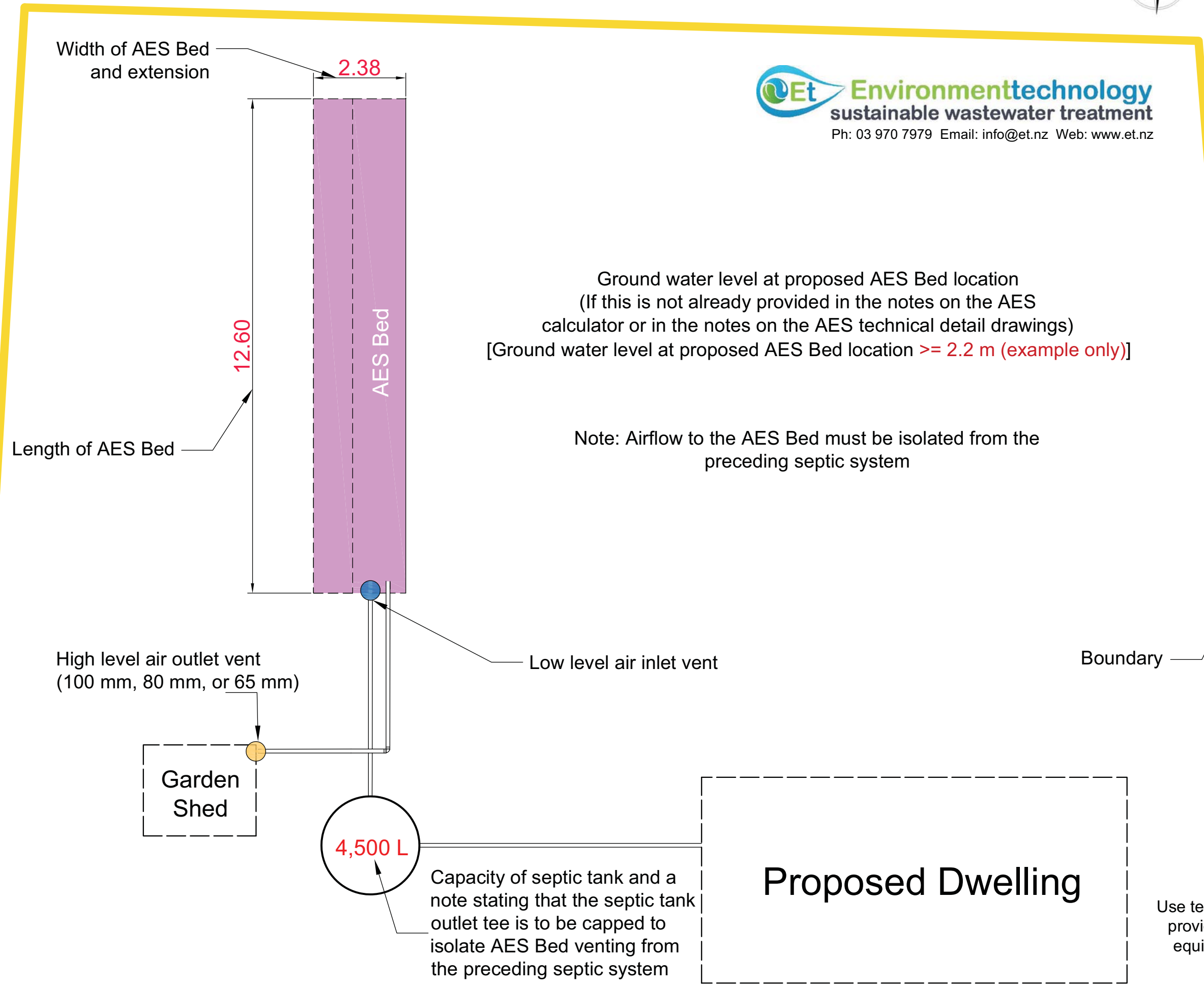


AES Wastewater Design Example Site Plan V3



Ground water level at proposed AES Bed location
(If this is not already provided in the notes on the AES calculator or in the notes on the AES technical detail drawings)
[Ground water level at proposed AES Bed location ≥ 2.2 m (example only)]

Note: Airflow to the AES Bed must be isolated from the preceding septic system

4,500 L
Capacity of septic tank and a note stating that the septic tank outlet tee is to be capped to isolate AES Bed venting from the preceding septic system

Use technical drawings provided by Et or an equivalent drawing

Site Plan Requirements

- Existing or proposed buildings
- Septic tank location and capacity
- Width of AES Bed
- Length of AES Bed
- Low level air inlet vent and connecting pipework
- High level air outlet vent and connecting pipework
- Boundary
- Ground water level (if not in calculator or drawings)

Details Required when Relevant

- Note if an outlet filter is to be used
- Capped outlet tee on septic tank OR
- Water trap on inlet to AES Bed
- Location of pump chamber
- Location of distribution box
- Water trap in distribution box (using 88° bend)
- Swale Location (if inundation is likely)
- Distance from AES Bed to tree

Items to be Included for Complete AES Design

- AES Calculator (Excel)
- Site Plan
- AES Bed Drawing - Standard, Raised, or Lined Bed
- AES Bed Venting Drawing: Capped Outlet Tee, Water Trap, Distribution Box, or Velocity Reducer
- Pump Chamber PC01 AES Drawing - Only Required if System is Pumped
- AES Details Drawing - DET01, to be Included with all Designs