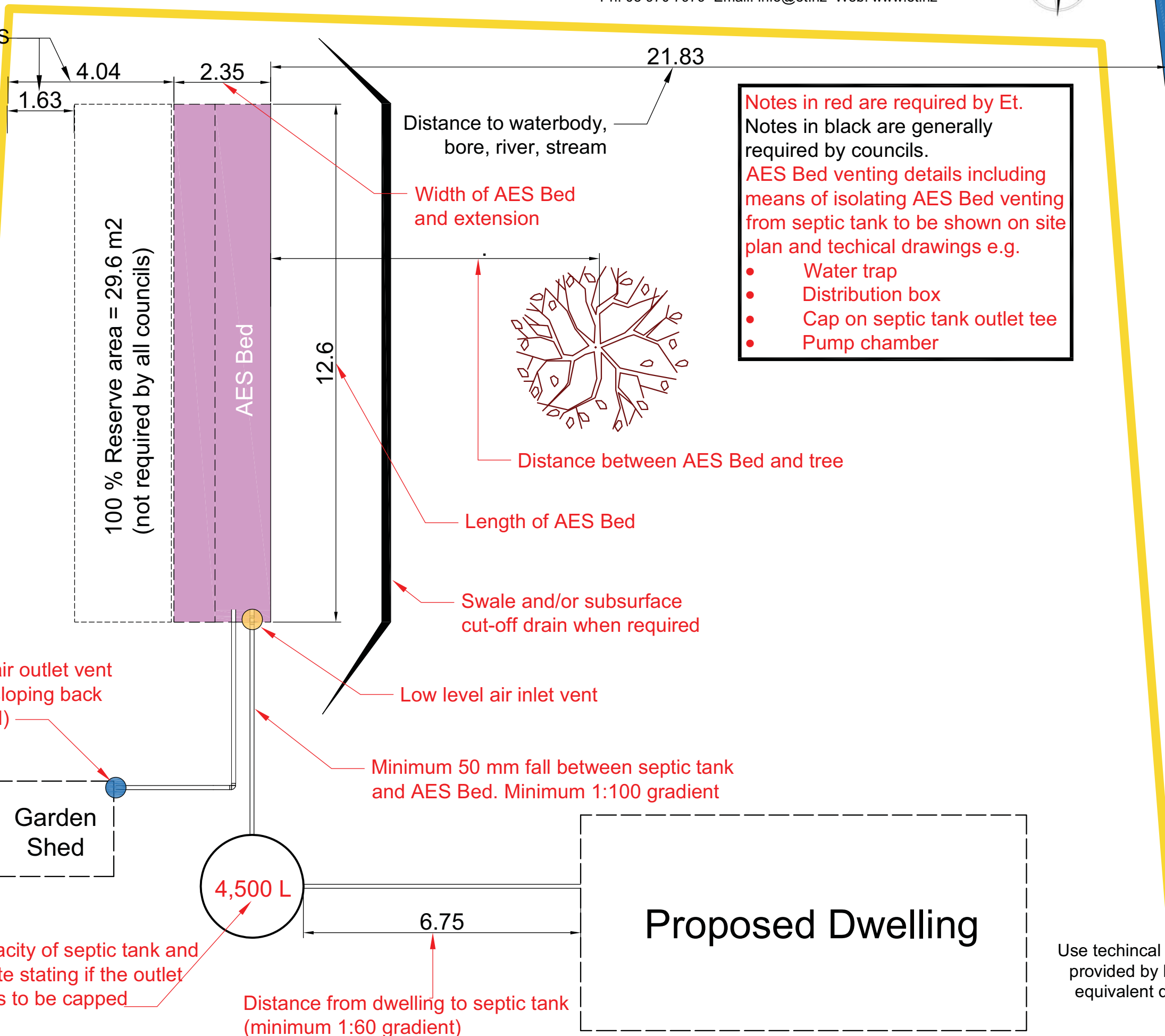


AES Wastewater Design Example Site Plan V1



Setback between AES Bed and boundary



Notes in red are required by Et.
Notes in black are generally required by councils.
AES Bed venting details including means of isolating AES Bed venting from septic tank to be shown on site plan and technical drawings e.g.

- Water trap
- Distribution box
- Cap on septic tank outlet tee
- Pump chamber

| Site Plan Requirements | |
|--|---|
| <input type="checkbox"/> | Existing or proposed buildings |
| <input type="checkbox"/> | Septic tank location and capacity |
| <input type="checkbox"/> | Width of AES Bed |
| <input type="checkbox"/> | Length of AES Bed |
| <input type="checkbox"/> | Low level air inlet vent and connecting pipework |
| <input type="checkbox"/> | High level air outlet vent and connecting pipework |
| <input type="checkbox"/> | Reserve area with dimensions |
| <input type="checkbox"/> | Boundary |
| <input type="checkbox"/> | Distance from dwelling to septic tank |
| <input type="checkbox"/> | Distance from septic tank to AES Bed |
| <input type="checkbox"/> | Distance from AES Bed to boundary |
| Details Required when Relevant | |
| <input type="checkbox"/> | Type of septic tank outlet filter |
| <input type="checkbox"/> | Capped outlet tee on septic tank |
| <input type="checkbox"/> | Location of pump chamber |
| <input type="checkbox"/> | Location of distribution box |
| <input type="checkbox"/> | Water trap in distribution box (using 88° bend) |
| <input type="checkbox"/> | Water trap on inlet to AES Bed |
| <input type="checkbox"/> | Distance to waterbody - bore, river, stream |
| <input type="checkbox"/> | Distance from AES Bed to tree |
| Items to be Included for Complete AES Design | |
| <input type="checkbox"/> | AES Calculator (Excel) |
| <input type="checkbox"/> | Site Plan |
| <input type="checkbox"/> | AES Bed Drawing - Standard, Raised, or Lined Bed |
| <input type="checkbox"/> | AES Bed Venting Drawing: Capped Outlet Tee, Water Trap, Distribution Box, or Velocity Reducer |
| <input type="checkbox"/> | Pump Chamber PC01 AES Drawing - Only Required if System is Pumped |
| <input type="checkbox"/> | AES Details Drawing - DET01, to be Included with all Designs |

Use technical drawings provided by Et or an equivalent drawing

Capacity of septic tank and a note stating if the outlet tee is to be capped

Distance from dwelling to septic tank (minimum 1:60 gradient)

Minimum 50 mm fall between septic tank and AES Bed. Minimum 1:100 gradient

High level air outlet vent (pipework sloping back to AES Bed)

Low level air inlet vent

Swale and/or subsurface cut-off drain when required

Length of AES Bed

Distance between AES Bed and tree

Width of AES Bed and extension

Distance to waterbody, bore, river, stream

100 % Reserve area = 29.6 m2 (not required by all councils)

4,500 L

Proposed Dwelling

6.75

21.83

1.63

4.04

2.35

12.6

Garden Shed