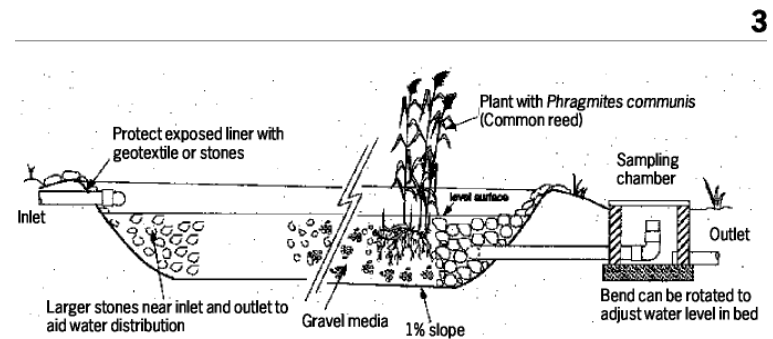
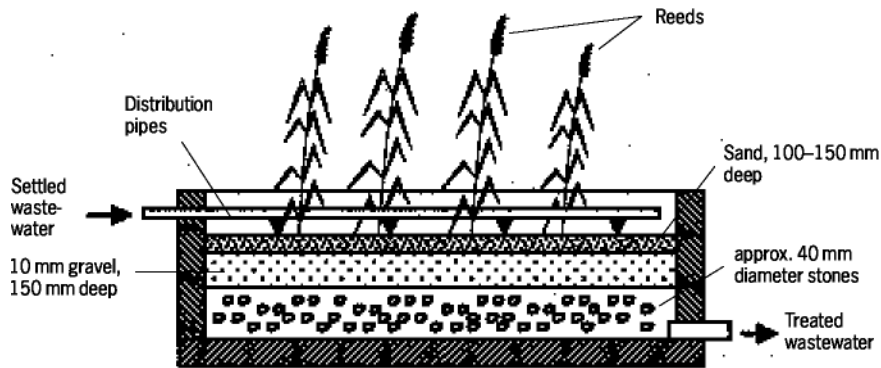


Reed Bed Waste Water System for 5, Kirkibost, Great Bernera, Isle of Lewis, HS2 9LX

Occupancy of proposed 2 bedroom bungalow is two persons with a maximum of 4 persons



3

1. Septic Tank

2. Vertical Reed bed

3. Horizontal Reed Bed

4. Inspection chamber

5. Outflow to Water Course

Waste Water Process

1. Outflow from Kingspan Klargester Septic tank for 4 people
2. Waste water will be gravity fed into first Vertical Reed Bed System. This will be 2 metres wide x 3 metres long
3. Outflow from this first bed will be piped into second Horizontal flow Reed Bed which will be sited at a lower level. This will be 2 metres wide x 3 metres long
4. Outflow from this reed bed will be piped into an inspection chamber
5. Waste water will be fed through specially laid drainage pipes and finally into a water course and then into a stream situated on the opposite side of the land which leads directly into the sea
6. Construction of both reed beds will be from Butyl pond liner with liner support underneath with filling as shown above. Reeds indigenous to the locality will be obtained and re-planted in both beds. Dry stone will be used to line the external edge of the reed beds and Willow trees will be planted in the vicinity.

Klargester Alpha Septic Tank for 4 persons

