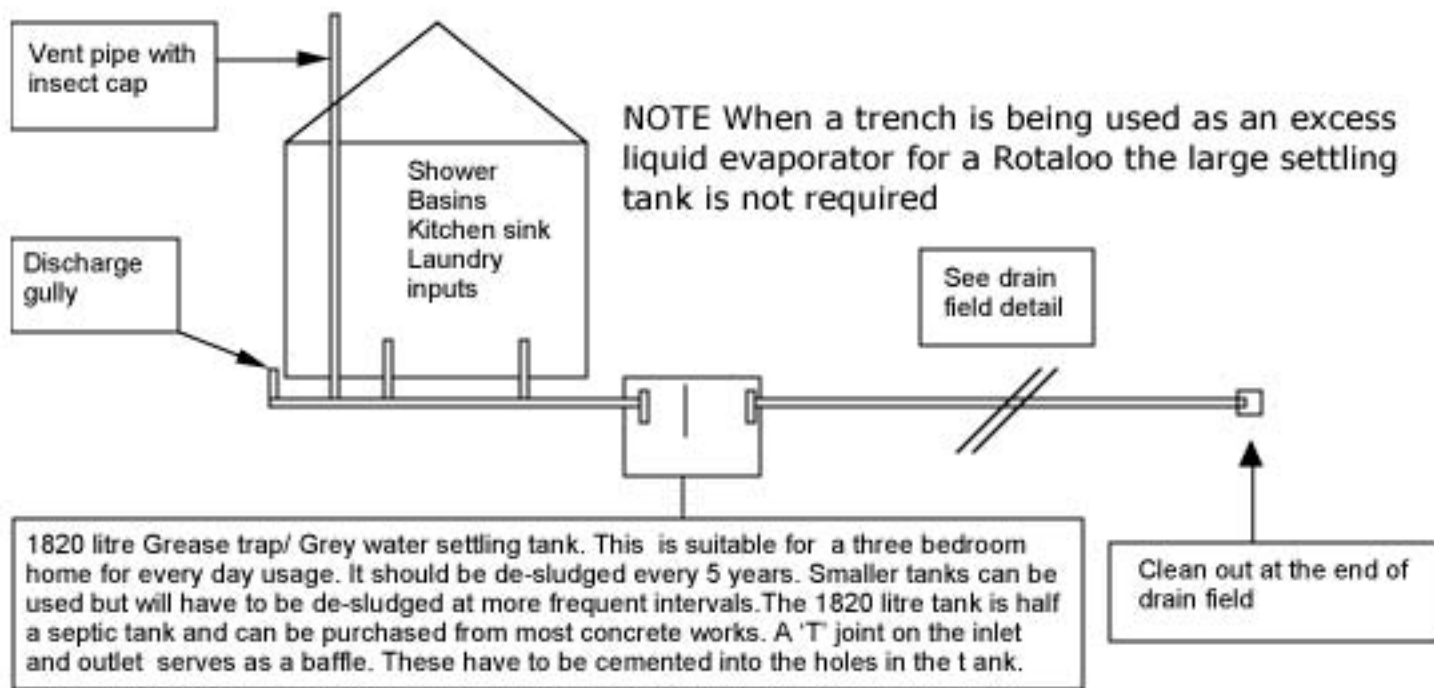


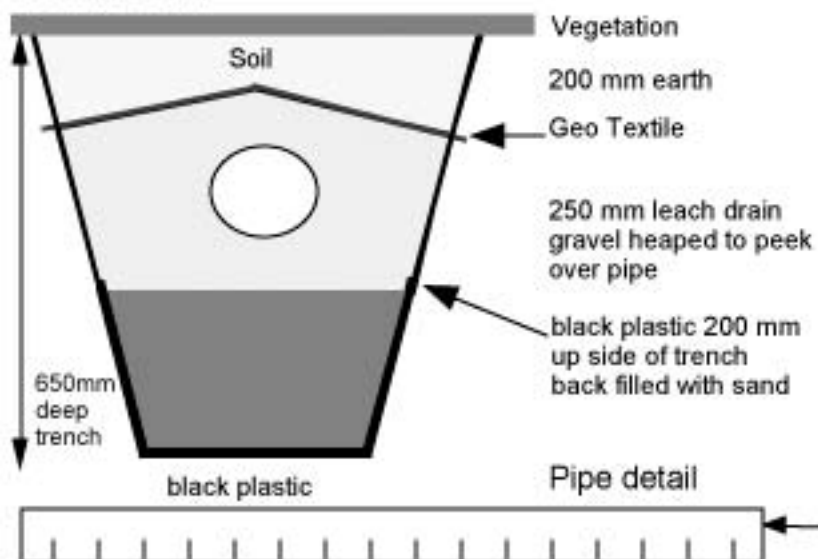
The RotaLoo grey water system plan



Drain field detail

The grey water drain is a perforated continuous pipe which is laid in a lined trench. This design allows most of the grey water to be evaporated through the surface rather than soaking into the sub soil and eventually the ground water. The pipe has to be level. If the site is on a slope the trench can be cut on the contour. As a general rule the length of the drain field is 12 -18m for a three bed room house. A longer run of drain field is desirable in areas with a high water table, very heavy soils or in areas with high rainfall. Slashed 100mm sewer pipe and flexible agricultural drain pipe can both be used. The type of pipe is generally determined by the size and level of the block. Note, slashed 100mm sewer pipe is easier to level.

Trench Detail



The pipe can be 90 or 100mm SOCKED agricultural drain pipe or standard 100mm sewer pipe, which is made in 6m lengths. The standard 100mm sewer pipe needs to be cut half way through its diameter at 100 mm intervals with a masonry blade in an angle grinder. Remember to scrape off the plastic burr left by the cutting wheel on the pipe. It is then laid in the trench with the 100mm cut facing down on a bed gravel about 50mm thick. The gravel is then heaped over the top of the pipe. The pipe must be level in the gravel. Once perfectly level cover with rest of gravel. Place shade cloth on gravel and back fill with soil. Citrus trees can be planted next to the run of the drain field pipes but make sure that the drip line of the tree never grows over the drain field pipe, otherwise you will find the roots in your drain.

The above plans for the Niimi trench grey water dispersal system are made available only to purchasers of RotaLoo composting toilets. This design has been approved by the Environmental Health department of Western Australia. The above specifications may be varied to suite local conditions. If you are in any doubt about any of the above details please contact: