

GREYWATER 1200 IRRIGATION SIZING

Volume of water used by each person per day:

LAUNDRY: 38ltr

BATHROOM: 62ltr

KITCHEN: not suitable for GW1200

Therefore each person uses 100litres per day from the Laundry & Bathrooms

- To calculate number of persons:
2 persons for the Main Bedroom
1 person for every other bedroom

2 Bedroom house - 300litres per day

3 Bedroom house - 400litres per day

4 Bedroom house - 500litres per day

SIZING FOR GREYWATER RE-USE FROM BATHROOM/LAUNDRY system: GREYWATER 1200 USING DRIP LINE IRRIGATION

	Number of bedrooms			
	1	2	3	4
Greywater used p/day Laundry/Bathrooms	200ltr	300ltr	400ltr	500ltr
Irrigation area - in sand	20m ²	30m ²	40m ²	50m ²
Irrigation length - in sand	66m	99m	132m	165m

Disposal Area example for 4 Bedroom dwelling on sandy soil.

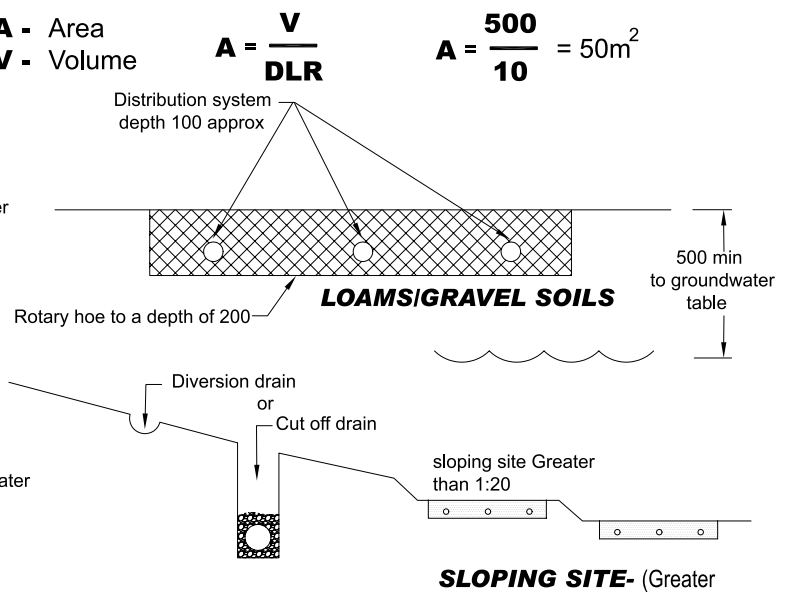
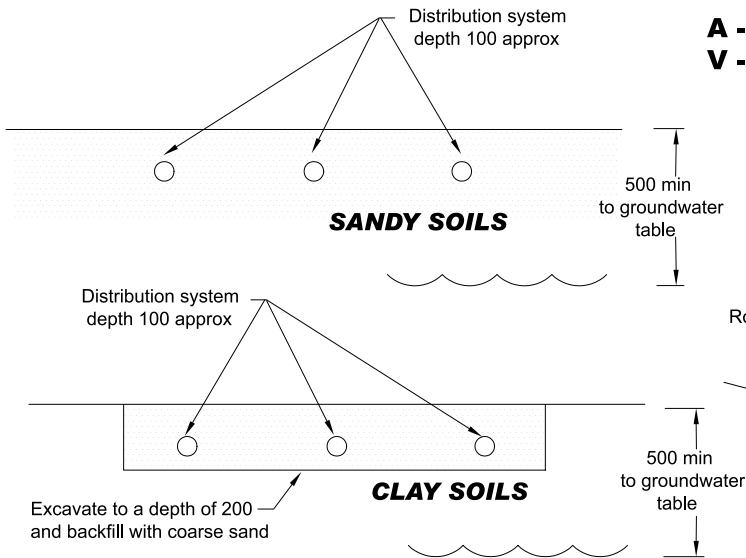
Based on the Treatment of Sewage & Effluent Disposal Regulations.

Designed Load Rate (DLR) = 10ltrs/m²/day:

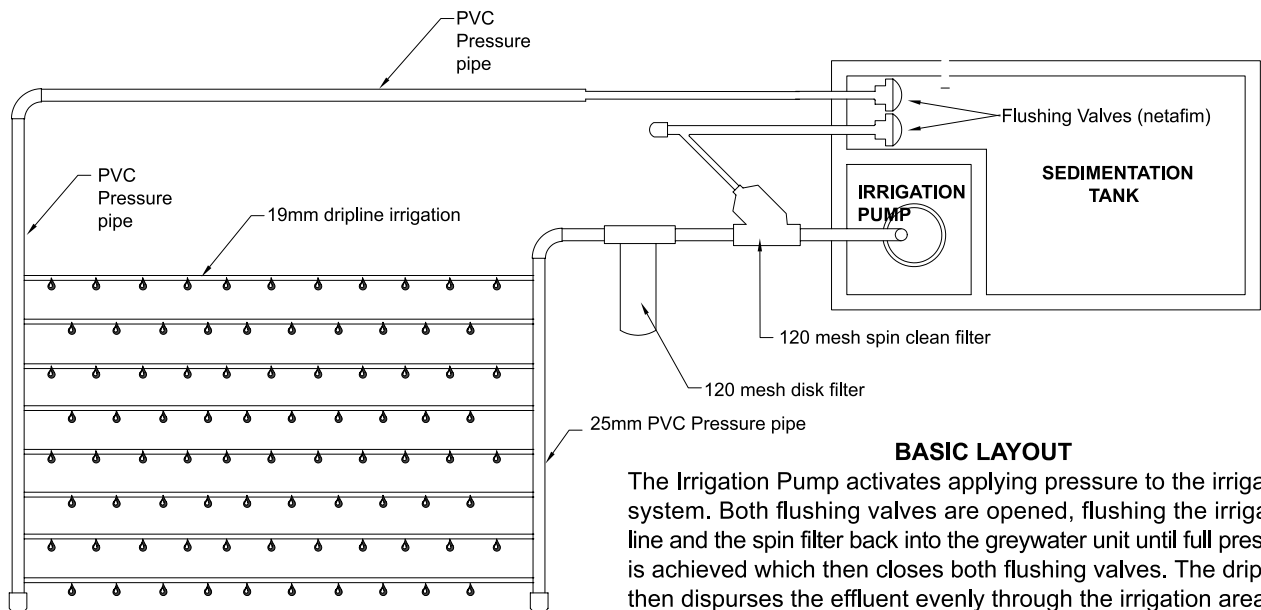
A - Area
V - Volume

$$A = \frac{V}{DLR}$$

$$A = \frac{500}{10} = 50m^2$$



Australian Standard Requirements



The Irrigation Pump activates applying pressure to the irrigation system. Both flushing valves are opened, flushing the irrigation line and the spin filter back into the greywater unit until full pressure is achieved which then closes both flushing valves. The drip line then dispurses the effluent evenly through the irrigation area. In the wet months some, or all the effluent can divert to sewer.