

Mr Fraser's Water Conserving House

Plan Key

This key is designed to be used with the plan of Mr Fraser's Water Conserving House.

Water Conservation Inside the House.

- Composting toilet (CT) in both main and en-suite bathrooms, both toilets drop in to one catcher, no water used with this system.
- Water saving showerheads in both bathrooms.
- Both dishwasher and washing machine have at least a 3.5 water efficiency star rating.
- Walls and roof are well insulated to reduce on power being used on air-conditioning and heating (creation of electricity uses a huge amount of water).
- Water pipes are insulated, to reduce the amount of electricity used to heat the water.
- Large pantry, to hold fruit and vegetables that have been preserved. This reduces the amount of hidden water usage through the purchasing of imported fruit and veg.

Water Conservation Outside the House.

- Drains on house roof connected to four large rainwater tanks, all systems in the house are linked to these rainwater tanks
- Gutters on shed linked to rainwater tank for garden use and also linked to 'Gutter Lettuce Garden'.
- Solar panels on roof (not included on plan), the house is still connected to the grid, but these solar panels reduce the amount of energy being drawn from the grid.
- Mini-orchard garden is mulched to lock in moisture.
- The mini-orchard and garden beds are all fed by drip irrigation that is programmed to water the plants just before sunrise.
- All grey water is recycled by the grey water system (GWS) and used in the orchard and garden beds.
- Large vegetable garden and orchard, this reduces the amount of hidden water being consumed by reducing the amount of imported fruit and veg that is purchased.
- Composting gardens, compost helps soil retain and hold on to water for a lot longer.
- Un-paved driveway, the ground will still be compacted, but water runoff will be reduced.