

Fenella's Pond - Technical Details

- **The hole** – was dug by hand by Rick. Thankfully the ground was rock and almost completely tree root free. A ledge was cut into the sides to allow for the placement of rocks and plants just below water level. A protective layer of old carpet was laid in the bottom of the hole before installing the liner.
- **The butyl liner** – was not cheap! It cost nearly \$600 for a 4.5 x 5 metre piece. But it is guaranteed for 20+ years. It was pegged into place around the rim with aluminium tent pegs. Then shade cloth was pegged over the exposed edges to disguise and protect the liner until the ground cover has time to grow.
- **The ledge** – On the ledge on the north side of the pond large rocks were placed at intervals and the edges were graduated a bit like a beach and then covered with grey river pebbles of varying sizes.
- **The cascade pond** – at the top of the cascade a small 60 litre fibreglass pond was painted with bitumen to disguise its horrible poo-brown colour, and set into the ground slightly off horizontal to let the water trickle out onto the cascade. Large rocks were cemented into place to form the sides and to stabilise the bank.
- **The cascade** - The cascade was constructed over plastic lining using waterproof cement and large flat rocks.
- **The waterfall** – the waterfall is constructed from two large flat rocks placed at right angles to each other and supported by a large earth ledge behind the liner in the pond.
- **The pump** – The pump is located in the bottom pond and pumps uphill. The pipe is buried underground and plumbed into the stormwater outlet. Aquapro 2000
- **Stormwater** – the cascade pond is topped up by a low volume stormwater runoff pipe during periods of heavy rain.
- **Overflow** – to allow water to escape during periods of heavy rain a small hole was cut in the pond lining and a plastic outlet was Sikaflexed in place. The outlet was connected to 50mm pvc pipe. When the pond level reaches a pre-determined level, the water flows through an s-bend and out an overflow pipe. The pond overflow has been disguised with rocks, and water loving plants – Thalia and Alocasia have been planted nearby.
- **The edges** - Sir Walter turf (from Bunnings) was laid over the edge of the liner and top of the bank. In time the grass will grow longer and provide a habitat for frogs and other creatures (probably snakes!)
- **The pond bank** - has been planted with Lomandra Little Pal (a fine leafed Lomandra) and Lomandra Hystrix to help stabilise it, and then mulched. Several tree ferns were relocated from the bottom of the garden to the western side of the pond where they will be shaded by overhanging trees. More ferns and bird's nest ferns will be added soon.

