

CASE STUDY

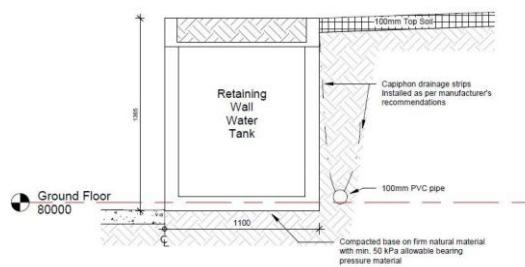
Drainage Behind Rainwater Harvesting Retaining Wall Tanks

Location: Greensborough

The Situation

The architect had seen Capiphon Drainage exhibited at the HIA in Melbourne, 2015. At the same time, he saw the [Landscape Tanks](#).

The Landscape Tanks are large rectangular concrete boxes designed to hold water and to support plant growth. He liked both products and had the opportunity to use them when designing large facility in Greensborough that would require a lot of water for washing down.



The site was excavated to depth close to the boundary. A layer of fine crushed rock was placed ready for the concrete rainwater tanks, leaving a trench for the collector pipes.



Slotting PVC collector pipes on site using the tanks as a workbench. Strips of Capiphon belt were inserted into the slots, fixed to the clay wall with nails, and held firm with a layer of coarse, washed sand before the rainwater tanks moved into position.





Some rainwater tanks were placed into position before level was built up against them with spoil. In this case, the Capiphon belt was held in position with improvised props until the “sandwich” of coarse washed sand and the spoil was moved into place.

Capiphon Drainage



The retaining wall, made from concrete rainwater tanks, is in place ready for the slab to be poured.

[Construction by Macbuild Australia.](#)