

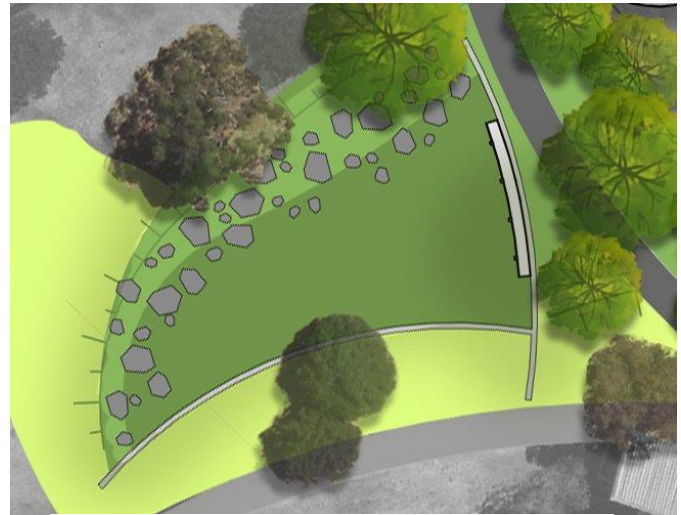
# Raingarden - STORMTECH

## Moreland City Council - Fawkner Victoria – Raingarden with Stormwater Harvesting

Installation date: August 2014

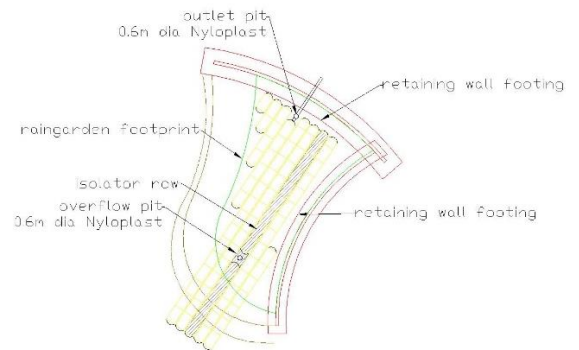
### GENERAL PROJECT INFORMATION

- The Charles Mutton Reserve in Fawkner Victoria is home to two football ovals, a running and athletics circuit, tennis courts and lawn bowls. Moreland City Council identified a need to revitalise the reserve and future proof it against drought.
- Consulting Engineer Spiire was engaged to prepare a stormwater harvesting scheme using water sensitive urban design principles. This is intended as a foundation for a future masterplan for the site.
- Spiire selected *ADS Pipe StormTech* chambers as a rainwater harvesting solution.



### DESIGN CONSIDERATIONS

- Minimising the raingarden footprint, visibility of storages and mechanical infrastructure areas.



### OUTCOMES

- The final design included a stormwater diversion system and underground StormTech SC740 storage tank, distribution infrastructure including rising main and pumps, a raingarden to treat sediments and nutrients, storage to provide volume for irrigation cycles and UV disinfection to treat pathogens.
- The expected water harvest of 20ML/year will reduce the sites reliance on potable water by 70% and reduce stormwater runoff to nearby Merri Creek.

