

# Case Study

Project: Williamson Way Stormwater Sump Augmentation  
 Date: May 2010  
 Client: City of Sterling Council  
 Location: Trigg (WA)



ecoAID stormwater chambers were used in combination with bidim nonwoven geotextiles to form a subsurface stormwater detention and infiltration system under a carpark in the Perth suburb of Trigg. The underground structure helped council manage the additional run-off generated in the catchment without impacting on the local parkland.

The rows of ecoAID chambers provides efficient long term infiltration of stormwater. The impressive structural strength of the ecoAID chambers results from the columns of angular stone between the chambers and the 'soil arching' mechanism created by the chamber profile.

The ecoAID chambers have been highway load tested with recycled aggregate products. The testing allowed the contractor to use recycled crushed concrete product in this project, thereby reducing the carbon footprint of the project. Both ecoAID and bidim are manufactured in Australia, ensuring carbon miles are also low.

The bidim geotextile provided a separation and filtration layer around the structure, allowing stormwater to exit the system without soil particles entering and clogging the drainage media.

Geofabrics has worked with ecoAID on several projects to assist our clients deliver the best practice solutions in stormwater management applications in the urban environment.



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