



StormBrixx® SD

Canberra Data Centre, Canberra, ACT

The Canberra Data Centre (CDC), a data centre colocation provider, owns and operates the majority of data centre capacity in Australia to deliver world-class enterprise facilities and services. Since completion of its' first data centre at Hume in 2009, CDC has expanded to a total of three data centres, along with a second campus and data centre in Fyshwick.

Project Design Brief

Due to local government requirements, designers were required to incorporate an on-site stormwater detention system to alleviate runoff downstream. The 420m³ underground tank needed to be trafficable, durable, easy to install and maintain as well as cater for the total runoff volume from the pavement.

ACO Solution

- **StormBrixx® SD** geocellular stormwater management system
- ACO's Technical Services Department provided the designer with structural calculations, installation drawings and a bill of quantity

Benefits

- The lightweight stackable design simplifies delivery and site logistics and is also quick and easy to assemble on site
- The tank's brick bonding and cross bonding feature provides unparalleled stability
- Tested independently to certify structural integrity for long term strength
- Unique pillar configuration, which provides a high void ratio of 97% for optimum hydraulics
- Access units together with the unique pillar configuration enables entry into the tank for maintenance and inspection with a camera for silt management

