

Case Study

Plastic Storage System, Aquablock Geomembrane & Flowtex Protection Fleece.

Location:

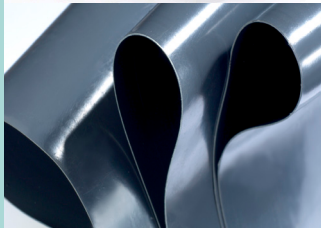
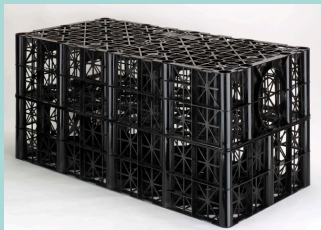
Denby Hall Business Park
Ripley, Derbyshire

Client:

Denby Hall Business Park

Project:

Attenuation tank under
a Car Park



Contractor:

Linden Design & Build

Stormwater Management

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Denby Hall Business Park is a recently developed warehouse and industrial scheme located just off the A38 in the heart of the Amber Valley in Derbyshire. The site offers units of 120,000 and 242,000 square feet with varying clients from manufacturers to freight forwarders. (Haulage contractors)

Linden Design & Build, based in Chesterfield, were appointed to carry out the works on the entire scheme. Including the provision of a M3 attenuation tank.

A large footprint of car parking on the development meant that the attenuation systems could be located under these areas. The expanse of the site also meant that the systems could be installed at a shallow depth, of 400mm, keeping the excavation costs manageable. Stormwater Management worked closely with Linden Design & Build to offer them the best solution to fit the site by providing calculations on our Plastic Storage System to confirm that the right product had been selected and would be suitable for the application.

Stormwater Management supplied and installed two attenuation tanks at the site. In June 2012 our installation team went to the site to complete a 547m³ attenuation tank and then returned in February 2013 to complete tank two, a 128m³ attenuation tank. Both installations were carried out using our Plastic Storage System crate, 0.75mm Aquablock LLDPE Geomembrane and 300g/m² Flowtex Protection Fleece Geotextile. The geomembrane joints were sealed using a Twin Wedge welding technique and Extrusion



welding around the pipe penetrations. All of our operators are T.W.I (The Welding Institute) certified and all installations are of the highest quality, meeting the exacting standards demanded by current guidance and testing requirements. Our Geomembranes are manufactured in accordance with GRI GM 13 and 17 specifications, which are the standards that all Geomembranes must meet if they are to be considered suitable for landfill lining. Stormwater Management are CIS registered and this permits us to carry out all types of sub contracts. We offer product, employee and public liability insurance.

"Denby Hall Attenuation System"

