



Brownley Road, Chester

Type of System: Stormwater Attenuation and Rainwater Harvesting Tank

Date of Installation: June 2010

Tank Size: Attenuation – 23.55m x 2.5mm x 0.55m = 33m³
RWH – 4.55m x 1.5mm x 1.8m = 12.6m³

Site Details:

A new housing development at Brownley Road, Chester, had restrictions on site discharge. This led to the development of an alternative drainage solution, that would allow stormwater runoff from the site to be attenuated, prior to entry into the existing stormwater mainline system. The runoff from the roofs would enter the recycling tank, allowing the water to be reused for flushing the toilets and for washing machines.



VERSAVOID

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TYPICAL DETAILS OF ATTENUATION TANK USING VERSAVOID MODULAR UNITS

A 3 - 5% CBR HAS BEEN ASSUMED AT SUB-BASE LEVEL SHOULD THE CBR BE TESTED AND FOUND TO BE LESS THAN 3% THEN THE ENGINEER SHALL BE NOTIFIED ALSO, ANY SOFT SPOTS FOUND AT SUB-BASE LEVEL SHALL BE REPORTED TO THE ENGINEER

