

Structural Drainage

Cotebrook balancing tanks refurbishment



The balancing tanks at Cotebrook are a key element of United Utilities water supply infrastructure in the Chester area.

They were originally built using brick construction at the turn of the 20th century before being partially refurbished in the 1950's and again in 1990's.



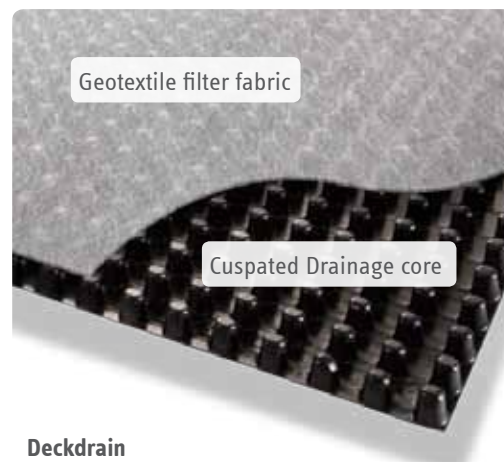
The recently completed project involves a full refurbishment of the balancing tanks to enhance security and minimise the risk of ingress of groundwater. Works included a full relining of the both cells using a proprietary waterproofing system.

Deckdrain 1200S/NW8 was specified as part of the lining system to perform a dual function of protecting the waterproofing layer whilst simultaneously providing a free draining void to mitigate the effects of hydrostatic pressure against the structure.

Deckdrain is a high-performance drainage composite that comprises a cuspated core with

Key Project Information

Project	Refurbishment of balancing tanks
Location	Chester, UK
Client	United Utilities
Contractor	Coffey Construction
Products	Deckdrain 1200S NW8 - 5,600m ²
Benefits	<ul style="list-style-type: none">• Combined drainage and waterproofing protection• Reduced material requirements and handling on site• Reduce vehicle movements• Rapid of installation• Long-life performance• Client cost savings



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a geotextile filter fabric laminated on to it. The filter fabric allows free ingress of water into the void formed by the cusped core. This water is then efficiently drained away and collected for discharge.

In total just under 6,000m² of Deckdrain was installed over the twenty month duration of the project.

Contact ABG to discover how our erosion control products could help you deliver a sustainable, cost efficient and carbon neutral solution in your project.

About ABG

ABG are a market leading developer of high performance geosynthetic solutions for use in a wide range of civil, environmental and building applications



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