

Deckdrain structural drainage

Barrow Hill Service Reservoir, London



The existing Thames Water site at Barrow Hill in north west London has been identified as the most suitable location for the construction of a new storage reservoir to serve west London. This new storage reservoir will guarantee security of supply and allow Thames Water to better meet the future local demand for water. The new storage reservoir is being constructed on the site of the original reservoir.

Key Project Information

Project	Provision of structural drainage on new build reservoir.
Location	St John's Wood, London
Client	Thames Water
Products	Deckdrain 12S250/NW8 - 8,000m 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



As with all underground reservoirs drainage is a major consideration to ensure longevity of the construction. From the start of the project the design team were keen to adopt innovative technologies and chose Deckdrain as their drainage solution.

Deckdrain is a high performance drainage composite comprising a high strength HDPE cusped core with a geotextile filter fabric bonded to the tips of the cusps. This design provides a free draining void which directly replaces traditional drainage stone.

When used in structural drainage Deckdrain offers a dual function providing both the drainage function whilst offering protection to the waterproofing layer.



Contact ABG

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In total 8,000m² of Deckdrain has been installed against both the reservoir walls and roof providing drainage and protection.

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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