Permavoid provides shallow solution for Coronation Street

A shallow stormwater management system using Permavoid has been specified for use as part of the construction of the new Coronation Street set.

Permavoid and Permafilter Geotextile

Working closely with construction company, The Carey Group Plc, and international consultancy and construction company Mace, Polypipe's supply and install partner, SEL, undertook an evaluation of the site and its ground conditions. They recommended a Permavoid system to provide a shallow solution, due to the site being on Brownfield land, having a high water table and a shallow outfall.

The shallow depth of the solution not only negated the need for pumping stations, it also reduced the need for temporary works, which in turn reduced installation and labour costs as well as health and safety risks.

The project saw 28 separate Permavoid attenuation tanks installed throughout the site, providing a combined storage capability of 420,000 litres.

High strength Permavoid cells were combined with strategically located Permachannel and Permavoid Biomat cells for the capture, treatment, storage and controlled discharge of rainwater at source.

Permachannel acts as both a surface water collection point and a treatment system that intercepts silt and oil with a zero gradient at pavement level. Water is then discharged from the side of each Permachannel into the Permavoid cells, complete with Permavoid Biomat and Permafilter for further treatment and storage, allowing only treated water to be discharged into the local watercourse.

The system incorporates a unique jointing mechanism that forms an interlocking 'raft' that will support structural loads across the most heavily trafficked areas, such as those found at the Coronation Street set.

CASE STUDY

Project
Coronation Street new set MediaCityUK

Client
The Carey Group Plc

Application
Shallow stormwater management and treatment system

Products
Permavoid
Permafilter Geotextile
Permavoid Biomat
Permachannel

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