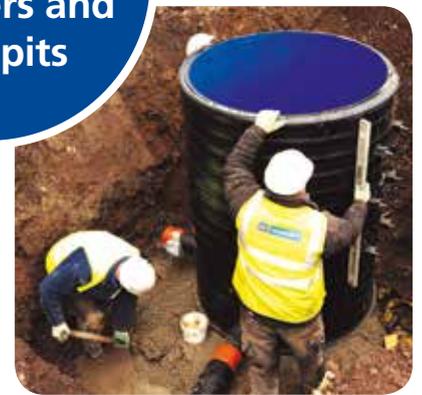


Bespoke water management solution used for construction of Advanced Learning Centre

Polypipe water management solutions provided products during the construction of a new building to replace the existing Dearne School building in Barnsley, Yorkshire.



23 bespoke manhole chambers and catchpits



Main contractors Laing O' Rourke required 23 bespoke manhole chambers and catchpits, 150m³ of Polystorm modular cells and over 1,700 metres of Ridgidrain drainage pipe in various diameters up to 300mm.

In a bid to manage the flow of surface water run-off from the attenuation solution back into the existing drainage network, a Stormcheck flow-control chamber was also installed, which helped to prevent localised flooding.

Polypipe's water management solutions team worked closely with the groundworker, on behalf of the main contractor, during the initial design of the attenuation solution.

Original specification for the project included concrete chambers constructed on-site, however through advocating the use of plastic, pre-fabricated manholes and catchpits that could reduce installation time significantly, 23 chambers were specified for the project.

Each Polystorm modular cell unit utilised during construction has the capacity to hold 190 litres and offers the added benefit of a 95% void ratio.

With a minimum strength of 40 tonnes per square metre, each cell withstands trafficked loading when installed. Cells can be interlinked to form a rigid storage tank of any shape required.

The customer on this particular project was impressed with Polypipe's water management solutions team's ability to design a bespoke water management solution which incorporated many products saving installation time and costs.

CASE STUDY

Project

Holistic water management solution supplied during construction of new Advanced Learning Centre

Client

Dearne Secondary School

Application

Attenuation and drainage

Products

Manholes and Catchpits
Polystorm
Ridgidrain
Stormcheck