

Polypipe Supplies Hybrid SUDS Solution For Development of RAF Site

Polypipe broke project specification to supply a bespoke, hybrid SUDS solution for the development of new living accommodation at MoD site.



Hybrid modular cell solution



The original project specification included a concrete box culvert. However, following the main contractor's issues with rising material costs and concerns over the performance of the product in times of high-flow water run-off, Polypipe was approached to design a solution capable of storing the required water capacity whilst accommodating difficult site constraints.

Polypipe designed and supplied an intelligently engineered hybrid modular cell solution using its Polystorm and Polystorm Lite products to cope with uneven burial depths on-site.

Working closely with the groundwork contractor, W Longs, Polypipe supplied 3,000 cells to provide an attenuation solution to manage surface water run-off from both hard standing and roof areas. Installation guidance was also provided to W Longs' on-site team.

Following consultation with both the MoD and W Longs, Polypipe also designed a manifold system to improve hydraulic performance of the overall attenuation solution.

The project at RAF Northolt, Cambridgeshire was part of the £600 million MoD Single Living Accommodation Modernisation (SLAM) scheme designed to deliver living accommodation for MoD personnel.

Emma Nicholls, Marketing Manager for Polypipe comments, "We have completed several hybrid SUDS schemes and are delighted to have been involved in this project. By re-engineering the original project specification we have been able to demonstrate our unrivalled technical expertise and design capability, whilst offering a viable solution that has been undertaken with few problems and at a much lower cost than the original specification of concrete. This project is testament to the adaptability and benefits provided by our Polystorm and Polystorm Lite products."

CASE STUDY

Project

Polystorm and Polystorm Lite hybrid SUDS solution

Client

Ministry of Defence

Application

Attenuation solution

Products

Polystorm
Polystorm Lite