

Polypipe's Polystorm chosen for Remraam residential development in Dubai

Stormwater management system installed at the entrance to the site

Developed by Dubai Properties in the south-eastern outskirts of Dubai, the Remraam residential development is a family-focused community comprising high and low structures, set amidst purpose-built green space.

The leading real estate master developer turned to Polypipe Middle East when it needed a high-performing stormwater management system to collect and manage stormwater at the entrance to the development.

Given the high water table in the area and concerns about tank floatation and surcharge, Polypipe Middle East provided multiple options to suit the site conditions, working closely with the main contractor and lead consultant to create an ideal, 'fit for the future' solution for the client.

Polystorm, a geocellular water management system for attenuation, detention or infiltration/soakaway, was specified as the stormwater management solution of choice, due to huge economical advantages over traditional materials, such as aggregate based structures.

Proven to perform in the Middle Eastern climate, Polystorm units are lightweight yet robust, quick and easy to install and can withstand heavy loads. Polystorm systems have a 95% void ratio, meaning more water can be stored in less space – this is ideal in high frequency urban areas, where land usage and coordination of services are constant challenges.



Polypipe Middle East was able to deliver the required materials quickly and provide technical support and supervision throughout the project period, ensuring that designs and checks adhered to international guideline requirements at all times.

CASE STUDY

Project

Remraam

Client

Dubai Properties

Lead Consultant

CDM Smith

Main Contractor

Wade Adams

Application

Detention

Products used

Polystorm