

Polypipe provides the perfect attenuation solution for residential estate

A new housing development in Marton, near Blackpool, has benefitted from Polypipe's Ridgistorm-XL large diameter pipe attenuation system.



482m of
Ridgistorm-XL
and over 20
pre-fabricated
fittings



The Magnolia Point development boasts a new housing estate, consisting of 83 three and four bedroom detached and semi detached family homes.

Working closely with Kensington Developments, Polypipe was called upon to provide a sustainable drainage system (SuDS) to sit beneath a public open space area of 1.25km² and capable of storing up to 680m³ of stormwater. Polypipe was approached to review the initial site drainage plan and worked alongside consultant engineer, Elluc Projects Ltd to design an alternative solution to meet the needs of both a '1 in 30' and '1 in 100' year storm events under Section 104 agreement.

Polypipe's pre-fabrication facilities meant that the system was designed and delivered to fit. The pre-fabricated fittings also made for a speedier installation, and reduced Health and Safety risks on site.

The system was connected with sealing rings, the simplest jointing method which does not require welding, also helping to save time during the installation.

The tank was formed of 482m of Ridgistorm-XL 1200mm pipe and fittings, including 17 pipe runs as well as 20 pre-fabricated fittings, including 12 1200mm 90° bends, C and F sections and RIDGISTORMAccess Manholes.

CASE STUDY

Project

Magnolia Point

Client

Kensington Developments

Application

Stormwater Attenuation under Section 104 agreement

Products

Ridgistorm-XL,
RIDGISTORMAccess Manholes