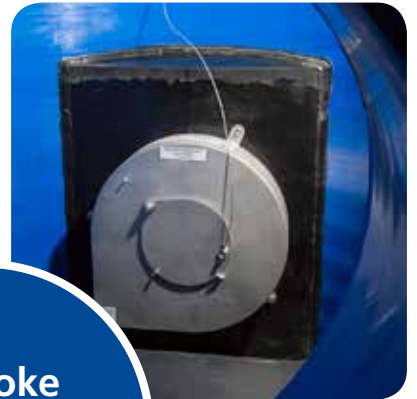


A bespoke solution for Kent housing development

Experts at Polypipe helped to create an innovative attenuation system for Kingfisher Place, a housing development in Chartham, to help meet Section 104 requirements.



**Bespoke
attenuation
structure**



Developer Pentland Homes required a drainage solution which controlled water discharge at a rate of 4 litres per second into an Environment Agency managed watercourse.

Working together from the early design stage, Polypipe's water management specialists were able to utilise their market-leading 1500mm Ridgistorm-XL large diameter pipe to create a bespoke attenuation tank, complete with prefabricated dry weather flow channel and a Stormcheck Vortex Flow Control Chamber, to collect and restrict water in a public open space (POS).

Polypipe's ability to prefabricate the Ridgistorm-XL system off site allowed for a speedier installation

while the light weight nature of plastic pipes reduced installation costs and improved access to the site.

The system also benefitted from Polypipe's unique electro-fusion jointing process, which ensured that the tank could be installed on site and removed the need for a potentially laborious welding process.

With a wide variety of products available, and an expert team providing an in-depth knowledge of meeting Section 104 requirements, Polypipe was able to provide a bespoke solution that added real value to Pentland Homes' Kingfisher Place development.

CASE STUDY

Project

Polypipe meets attenuation needs of Kent housing development

Client

Pentland Homes

Application

Attenuation solution

Products

Ridgistorm-XL
Stormcheck Flow Control Chamber