

Story Homes makes savings with bespoke attenuation system from Polypipe

Polypipe's water management specialists have developed a bespoke underground attenuation solution for Story Homes' Clifton Hill Gardens housing development in Cumbria.



**Section 104
Approved
attenuation
system**



Early involvement enabled the Polypipe team to create an underground attenuation solution which met Story Homes' exact needs and it was quickly accepted for inclusion into a Section 104 agreement.

Polypipe offered a value engineered 95m³ attenuation tank designed within a Public Open Space. The multi-leg attenuation tank was created from Polypipe's market-leading 1200mm Ridgistorm-XL large diameter pipe system, incorporating a range of pre-fabricated fittings including a 1500mm diameter offset chamber and a 1500mm diameter Storm Check Vortex Flow Control Chamber set to the site's required discharge

rate. The Ridgistorm-XL system was installed using Polypipe's unique electro-fusion welding process. Whilst the original specification required the manufacturer to join the pipes once installed, this method meant that the client was able to carry out the welding process, speeding up the installation and reducing the work that needed to be undertaken within the confined space.

Malcolm Lamont, a Project Manager for Story Contracting, another Story owned business, said: "Our original design involved a separate concrete chamber and manholes, which would have required substantially more time and equipment to install than the Polypipe solution. Designing-out the separate concrete chambers and incorporating them into the tank saved costs by making the tank easier and quicker to install."

CASE STUDY

Project

Polypipe's Ridgistorm-XL large diameter pipe system is chosen for Story Homes housing development

Client

Story Homes

Application

Attenuation system including Flow Control Chamber

Products

Ridgistorm-XL