Polypipe's Ridgistorm-XL supplied to dairy processor to capture excess surface water

Over 250 metres of Polypipe's popular Ridgistorm-XL has been installed for the expansion of an established dairy processor that has been in operation since 1938.

Stormwater attenuation for dairy processing plant

As part of a large-scale renovation to increase yard space, Cotteswold Dairy has seen Polypipe's thermoplastic Ridgistorm-XL solution utilised to capture and attenuate excess surface water and potential milk leakages. Working closely alongside Vitruvius, the project's Construction and Cost Management team and main contractor Smith's of Gloucester, Polypipe fabricated over 250 metres of Ridgistorm-XL, incorporating a RIDGISTORMCheck Vortex Flow Control Chamber, to sit beneath the lorry park.

Situated in Gloucestershire, one of the UK's most susceptible counties to flooding, the dairy required a reliable drainage solution to provide long lasting protection against stormwater and dispel it to an engineered attenuation tank.

The complete system included 10 fabricated fittings, including 90° bends and double T

sections to aid water discharge at a consistent rate in to an existing water course. The spigot design of Polypipe's system and fittings made pipe alignment easy and fully compatible with the electro-fusion jointing method. This in turn led to a more efficient and quicker installation process.

James Berry, Civil Engineer, for the project's consulting engineer, Infrastructure Design Studio said,

"Being a dairy processing site, there is a potential risk of milk leakages entering the tank to consider, and for this reason plastic was the ideal solution. Polypipe's ability to fabricate products meant the systems specified were unique to the project and could be delivered ready to install. Polypipe was also able to offer technical support throughout the project, which was invaluable."

CASE STUDY

Project
Cotteswold Dairy, Tewkesbury

Client
Cotteswold Dairy

Application
Stormwater attenuation

Product
Ridgistorm-XL, RIDGISTORMCheck Vortex Flow Control Chamber

Polypipe