

# Polypipe Ulster helps NI Water achieve storm sewer technology first

Polypipe has helped deliver a unique drainage solution for Northern Ireland Water's Carrowreagh Storm Sewer Improvement Scheme near Belfast.



**Bespoke  
900mm  
Ridgistorm-XL**



Polypipe delivered its solution for Carrowreagh Storm Sewer Improvement Scheme in Dundonald, near Belfast through an attenuation tank, created from Polypipe's market-leading Polystorm-R and Ridgistorm-XL products. This tank forms an important feature of the £600,000 essential storm water improvement works which are being carried out in response to flooding in a residential area and to meet future Rivers Agency standards.

Selected following a competitive tender process, Polypipe's technical team worked closely with NI Water, specialist installers Charcon Construction Solutions and main contractor Graham Construction. They devised a bespoke, easy-to-install modular storage tank to the exacting volumes required, complete with a number of two-part access chambers to aid future inspection of the structure.

This is the first time a sustainable urban drainage system of this kind has been utilised by NI Water. It was chosen for its ability to deliver more efficient, environmentally-friendly processes, as well as to speed up the construction of the storm tank over traditional materials.

The experts at Polypipe created bespoke 900mm Ridgistorm-XL outlet pipes with 300mm connections to the storm tank, as an innovative, light weight alternative to existing concrete piping.

## CASE STUDY

### Project

Carrowreagh Storm Sewer Improvement Scheme

### Client

Northern Ireland Water

### Application

Flood Alleviation

### Products

Polystorm-R  
Ridgistorm-XL