

# Polypipe picked for iPort Phase 1 development in Doncaster

Polypipe has supplied an **alternative drainage solution** and **cable protection** for the first phase of new inland port meeting tight turnaround times.



Dual pipe runs with multiple pipe manholes



We supplied our **Ridgistorm-XL large diameter piping system, Ridgidrain surface water drainage and cable protection** products to the project, developed by Verdion.

The new logistic park will consist of over six million square feet of warehousing, a new access road to provide direct access from the M18 and a dedicated new 35-acre on-site rail freight terminal.

Working alongside the project's Main Contractor, Buckingham Group Contracting Ltd and Consulting Engineer BWB, Polypipe supplied an alternative infrastructure drainage system utilising Ridgistorm-XL in sizes 750mm and 1500mm for conveyance and attenuation of stormwater at the site, in replacement of a previous design consisting of soft SuDS, which took up vital development land.

Taking advantage of the high quality engineering fill that was readily available, Polypipe worked closely with Buckingham Group and BWB Consulting to calculate specific structural requirements. **The Ridgistorm-XL pipes were manufactured specifically for the stiffness classification required by on-site ground conditions and loading considerations.** The system also incorporated pre-fabricated RIDGISTORMAccess Multiple Pipe Manholes which allow for inspection access and connecting dual runs of pipe.

From initial design meetings to final design, approval, manufacture and delivery, Polypipe was able to pre-fabricate and supply it's Ridgistorm-XL within a two-week timeframe. Polypipe's fabrication abilities provide significant reductions in cost, time and on-site labour compared to traditional concrete pipe systems and manholes.

## CASE STUDY

### Project

iPort, Doncaster

### Client

Verdion

### Application

Stormwater drainage and cable protection

### Products

Ridgistorm-XL, RIDGISTORMAccess Multiple Pipe Manholes, Ridgidrain, Ridgigullies, Ridgiflex, Ridgiduct Power HV, Ridgiduct Lighting

Polypipe was able design and deliver the Ridgistorm-XL system within two weeks, allowing Verdion to hit an extremely tight installation schedule.

Adam Smith, Project Manager, at Buckingham Group Contract Ltd, said:

*“The initial designs we had did not make best use of the land available, which was of paramount importance to the client, Verdion. BGCL and BWB invited Polypipe to provide a versatile drainage system that is able to replace efficiently the hydraulic function of the swales within a very short timeframe. From our initial meeting to design, approval, manufacture and delivery, Polypipe supplied it’s Ridgistorm-XL within two weeks to allow us to hit the extremely tight schedule we had to work towards.”*

Alongside Ridgistorm-XL, Polypipe also supplied its BBA HAPAS approved Ridgidrain surface water drainage piping system, as well as Riddigullys and Ridgiflex. The project also used Ridgiduct Power, Ridgiduct Lighting and Ridgiduct Power HV to complete basic infrastructure requirements.

