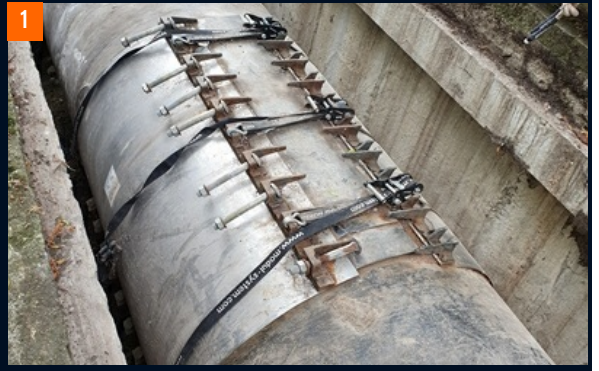


ENCAPSULATION OF VIKING PIPE CLAMPS ON 800MM DIA. WASTE WATER PIPE

ID: 9793



PROBLEM

Customer has an 800mm Dia. waste pipe which crossed a small river. Viking Clamps had been fitted to seal a number of through hole defects on the Waste Water Pipe.

APPLICATION SITUATION

The clamps were leaking which imposed environmental issues, but customer was reluctant to remove and replace the clamps due to:

- 1) The corrosion on the underside of the pipe.
- 2) The environmental issues and the consequences of polluting the river.

It was agreed that total encapsulation of the clamps using Belzona materials was the solution to the problem.

APPLICATION METHOD

Steel shuttering was fabricated and fixed into place around the Viking Clamps.

The Belzona 4111 was mixed as a pourable slurry and poured into the steel shuttering until

The level was 50mm above the top of the clamps.

BELZONA FACTS

The Belzona repair solution/method was chosen by the customer due:

- 1) The solution offered a very cost effective solution whilst also offering longer life expectancy and minimum of downtime.
- 2) Fast turnaround offering faster return to service.
- 3) Cost was significantly less than total replacement.
- 4) Minimum impact and risk to the environment

The alternative was to completely replace pipe which would have been a large civil engineering job at a significantly much higher cost to the customer

INDUSTRY

Water / Wastewater

LOCATION

County Durham

APPLICATION DATE

March 2025

PRODUCTS

Belzona 4111 (Magma-Quartz)

SUBSTRATE

Carbon steel

PHOTOS

1. View of clamps
2. Steel frame placed into position
3. 50% poured
4. Finished application

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

Belzona products are manufactured under an ISO 9001 Registered Quality Management System.

www.belzona.com

