

Regent Street Houses Pipelining - Trenchless



Innovative 'No-dig' sewer repairs underneath multi-storey student flats.

Project Overview

Danaher & Walsh Advanced Pipeline Solutions is on a long-term framework for Anglian Water, along with several other companies that make up the IMR WR Alliance.

This particular job was so complex that Anglian Water asked our 'no-dig' team to find a trenchless solution to this complex repair.

The in-line traps were located UNDERNEATH the multi-storey buildings. The access point was located inside the cellar, which meant going through the premises, along a corridor and down a narrow staircase into a basement with a shallow ceiling.

Before we were assigned to the project, previous engineers had suggested excavating and tunnelling under the property to reach the collapsed inline traps.

In addition, the location of one of the two in-line traps was beyond a tight bend in the pipe, so it was very difficult to reach.

Utilising our innovative 'no-dig' technology, we were able to access the pipe and reach the collapses via the manhole covers in the cellars using remote cameras and robotic equipment.

To allow us to carry out the repair around the tight bend we fed the patch through a guide tube. The guide tube was then removed so the patch could be pulled back into place and inflated.

Completing these two jobs, including the clean-up, took just four days instead of multiple weeks, as had been forecast by the earlier engineers.

Anglian Water believes our ingenuity saved them tens of thousands of pounds on this job alone, with the potential to save many hundreds of thousands of pounds down the line, as well as reducing the H&S risks due to the less evasive procedure.

At a Glance

Client
Anglian Water

Area of Expertise
Pipelining - Trenchless

Date
2024

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I approached Danaher & Walsh to cut out two in-line traps that were situated in the basement under multi-storey buildings.

By cutting the trap out from the manhole chamber in the basement, you have saved a structural survey and either an excavation in the footway at 4.5 metres deep or a specialist team to tunnel from inside the basement to remove the collapsed traps.

By doing this, you have not only saved tens of thousands of pounds but, more importantly, all the risks associated with digging and tunnelling. So a massive well-done Jamie to you and your team.

Now your team has provided us with a solution for the removal of these inline traps, your technique potentially could **save hundreds of thousands of pounds and many, many risks!**

WELL DONE.

Jon Coldron

Area Operations Manager
Water Recycling Networks Alliance

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I am delighted to commend your innovative approach on Regent Street, Cambridge, in resolving our interceptor trap issues. Faced with a challenging situation that traditionally demanded extensive excavation, your trenchless solution showcased remarkable efficiency and ingenuity. Utilising cutting-edge robotic equipment and a patch-lining technique, your team eliminated the need for disruptive excavation.

Your commitment to staying technologically advanced was evident, surpassing industry standards. The technique proved a game-changer, offering a simple yet highly effective method to address the issue. The team's expertise and attention to detail were second to none.

This testimonial underscores the dedication and skill of your trenchless team, demonstrating their commitment to environmentally friendly and minimally invasive solutions. Their groundbreaking approach not only successfully repaired the interceptor traps but exceeded expectations in terms of efficiency and expertise. I wholeheartedly endorse the trenchless team for their forward-thinking solutions, saving us time, money, and the headaches associated with traditional excavation methods.

Scott Weston

Regional Trenchless Manager
IMR WR Alliance