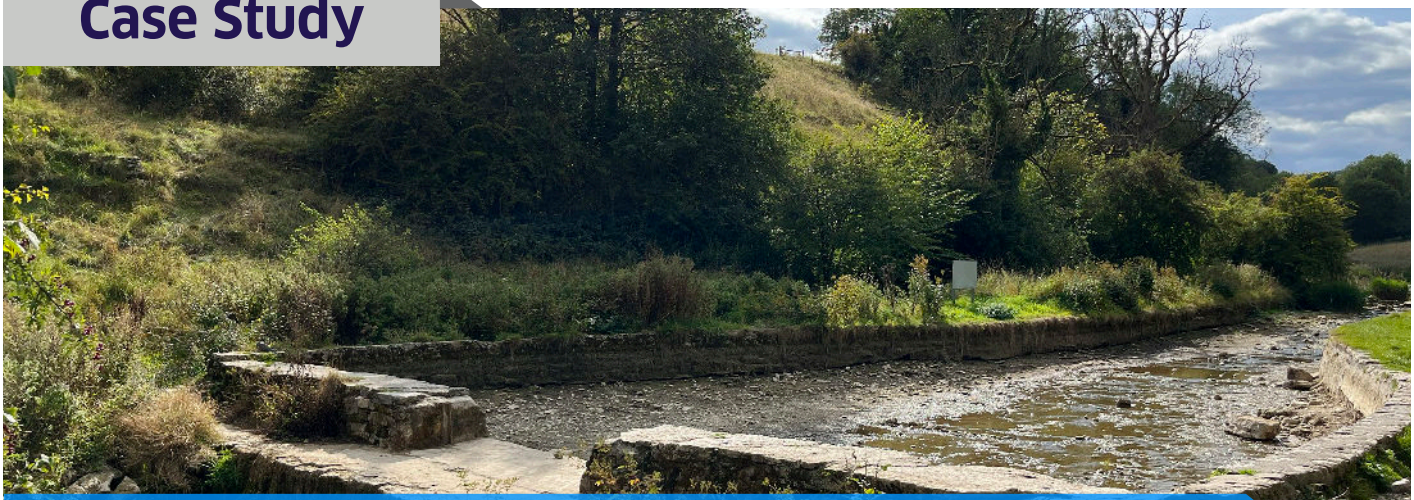
Case Study



Severn Trent
Dale Road Spills Scheme, Youlgrave, Derbyshire

Overview of Works

Severn Trent Water (STW) were alerted to a problem regarding infiltration on various sections of a 1.4km x 225mm sewer running adjacent to the river, 100 metres below the level of the village. The deteriorating pipe had become a significant pollution risk.

Various contractors, through many different workstreams, had carried out minimal works there, constricted as they were by the access issues presented by the location. Due to our reputation for delivery on complex and critical repairs, Ipsum was asked to find a long-term solution.

After carrying out a full CCTV survey it was decided that a UV cured liner with end seals, would deliver the most benefit and with its design life in excess of 50 years unlikely to need reattending in the near future.

The deployment of the most modern and innovative technology at our disposal: Cosmic electric cutter and Top Hat system, ProKASRO UV light train, dedicated QuickLock installation unit, new camera/ investigation units ensured we were able to reduce infiltration at the worst-affected joints using isolated CIPR Patch Repairs, before installing full length CIPP lining to rectify any further issues along the pipe.

"This was a complex project and the team's success reflects meticulous planning, agile execution, and close collaboration with Severn Trent Water. Together, we delivered a solution that was safe, carbon efficient, cost- effective with minimised site time for execution. A true example of sustainable engineering in action."
Mark Kaney, Managing Director Ipsum Water

SEVERN TRENT

The benefits of no-dig technologies

Ipsum's Trenchless approach is a powerful example of sustainable engineering in practice. Utilising minimal equipment and no excavation means reduced air pollution due to the absence of excavators and tippers; and carefully controlled vegetation clearance to protect biodiversity.
The Ipsum team had reviewed all the information on past and present conditions, considered available technology, and put together a bespoke design proposal built to last. Not only did this solution have a longer design life than previous repairs, involved less disruption, it also cost less.