

Teme Siphon, Elan Valley

Client: Amey PLC for Severn Trent Water

Project Value: £1.3m+

Project Type: Clean Water

The Elan Valley Aqueduct has been an important area of works for a number of years as part of the Birmingham Resilience Project (BRP). This particular aqueduct spans Wales and the Midlands, running eastwardly from Mid Wales' Valley Reservoirs to Birmingham's Frankley Reservoir. Like all aqueducts, the Elan Valley Aqueduct carries drinking water, using gravity to propel large quantities from one destination to another.

We were awarded the Teme Syphon Ludlow contract back in 2013. Our team were tasked with the removal and replacement of two twin 1800mm diameter ductile iron clean water pipes from the Elan Valley Aqueduct. Measuring 1.2 kilometres long, the clean water pipes certainly came with their challenges. With a maximum of six weeks to complete the contract, our team worked hard to bring the project to fruition within this tight timescale thanks to a specially developed construction programme.



The aqueduct was stopped during works to ensure replacement could go ahead as scheduled. Much of the work was completed prior to full commissioning, including the sourcing and provision of all site materials. During the project, we had dual teams working on a rolling programme, the first of which worked on the most southerly tip. The second team worked 600 metres away. To ensure improved time efficiency further two compounds were set up nearby with staff travelling back and forth from these welfare units for breaks.

The Teme Syphon Ludlow contract was delivered within the proposed six weeks the very same year of commissioning.