

Cheddar Road Mains Replacement

Overview:

Site Location:	>> Cheddar Road, Mendip
Client:	>> Bristol Water
Contract Value:	>> £380,000
Programme	>> 12 Weeks



Lewis Civil Engineering operate as a Delivery Partner with Bristol Water under the AMP7 Network Maintenance Contract. This scheme was a water mains replacement project in the rural area of Compton Martin on the Mendips. The Existing 6" Asbestos Cement water main required replacement due to a high number of bursts.

The scope included laying 1580m of 180mm HPPE in woodland, fields and road. Pipe installation techniques included open cut and pipe-bursting. To ensure continuity of supply to customers fed from the main during construction above ground rider pipes were installed.

The ground conditions included areas of rock that required breaking out to create a pipe trench. For the section of pipe in the road a Trencher was used.

The majority of the works was situated within private agricultural land which had to be fenced with stock-proof fencing. Along the route of the pipeline there were a number of environmental and archaeological constraints.

These included:

- Doormice
- Newts
- Reptiles
- Badgers
- Scheduled Ancient Monument (SAM)

We worked with the appointed Ecological Clerk of Works to ensure control measures were in place. The section past the SAM was conducted under a watching brief by an archaeologist.

Due to the operational need to replace the main the work through the fields was completed through the winter months which managing the risk of adverse weather disrupting production and increasing reinstatement costs. The scheme was completed on programme and with no interruptions to the supply to customers.

