

# Guinea Street Mains Replacement

## Overview:

Site Location:	>> Guinea Street, Bristol
Client:	>> Bristol Water
Contract Value:	>> £200,000
Programme	>> 8 Weeks

Lewis Civil Engineering operate as a Delivery Partner with Bristol Water under the AMP7 Network Maintenance Contract. The scheme was a water mains replacement scheme within the residential area of Redcliffe in Central Bristol. The Existing 3" CI water main needed to be replaced due to it having a high burst history.

The works consisted of installing 251m of new 125mm PE main and 62m of 32mm PE main and the renewal of 30 services. The area of Bristol is part of the old city and includes a conservation area. The road surface included cobble sets and historic flag stone paving that had to be re-laid. The use of no-dig techniques including pipe-bursting and slip-lining were used to reduce cost and minimise disruption.



The main was supplying a number of different businesses including pubs and a hotel. A rider pipe was used to maintain supply and shuts were carried out at night to reduce inconvenience.

The site included the route of the old harbour railway and the ground investigation highlighted areas of hazardous waste that had to be carefully removed and disposed of. Some sections of the road had the old cobbled surface underneath the modern tarmac which meant carefully removing them whilst digging out pits to avoid over break and damaging other utilities that were present.

The project was completed without any unplanned supply interruptions and the road was reopened on time.

