

## 7 New and Replacement Water Mains

The process of replacing and laying new water mains involves disinfection of the pipes before the infrastructure is deemed safe for operation. All such infrastructure is disinfected, flushed and sampled before being brought into service. The sampling programme is rigorous and requires three samples to be taken, each sample taken at least 24 hours apart, with all three samples being subject to a full physical and bacteriological analysis to ensure the pipes are sterile and fit for service. Before any new water mains are brought into service they are signed off by the Laboratory Manager and Managing Director.

During the year 1.7 km of new water mains were laid and 2.7 km of water mains were replaced or relined, requiring 116 water samples to be taken and analysed.

