

Lower Early Reservoir

BROWNE

KEY PROJECT DETAILS

Client	Thames Water Utilities Ltd		
Value	£250,000		
Project Start	Jan '19 Cell1 Aug '19 Cell 2	Project Finish	Mar '19 Oct '19
Location	Lower Early Reservoir, Reading		
Works	Maintenance of existing water service reservoirs including clean and inspection as required		



/// Internal works being carried out in the reservoir cell

The Lower Early reservoir is situated within the Thames Valley region. It's outage and reintegration to the water network dictated a challenging programme of works. This was delivered by our directly employed workforce and management.

J Browne were contacted to undertake the works which consisted of: -

- Remove/repair to internal concrete wall & floor joints using Masterseal 930 & 933 Overbanding (circa 1800 linear meters)
- Uncover 2 buried access hatches and replace with new surface level security covers
- Installation of a new 600mm division valve between cells
- Installation of a new 316 grade Stainless Steel solid bar handrail to be fitted to the stairs into the cell
- Renewal of all sample lines
- Replace existing sample pumps and starter panels
- Inspect pipework in basement
- Cleaning, washout and disinfection of the reservoir cell.

There were a number of additional considerations on this project related to the site access, security and day-to-day disruption to the general public. The access into the reservoir is located within a public park. The J Browne team had to be extremely vigilant around site safety and security. In particular, the security and protection of the access hatches was paramount as these had to remain open during the works to allow adequate ventilation as well as being a secondary egress point. The works also required sizeable plant

and equipment to allow for the installation of a 600mm gate valve. The movement of this machinery to and from the site had to be marshalled safely given the access constraints.

The team were given a tight deadline to complete the works when J Browne were appointed to complete the works. All the listed undertakings were successfully completed for these works within a nine-week period which contributed to a timely reintegration of the reservoir to the water network. To facilitate this timeline the J Browne team were able to complete the works at the Lower Early reservoir by:

- Re-deploying our extensive, skilled workforce with no additional notice period
- Working a 6-day shift pattern and extended hours for the duration of the works.

Following the successful completion of the Lower Early reservoir, J Browne were subsequently awarded support works on the other cell approximately 8 months later. The scope of works on the other cell were very similar, J Browne once again completed all the works within a 9-week period.

Our dedicated reservoir team also provide a 24/7 call out emergency services to a number of our clients in this sector for major bank stabilisation, leak repair and water quality emergencies.