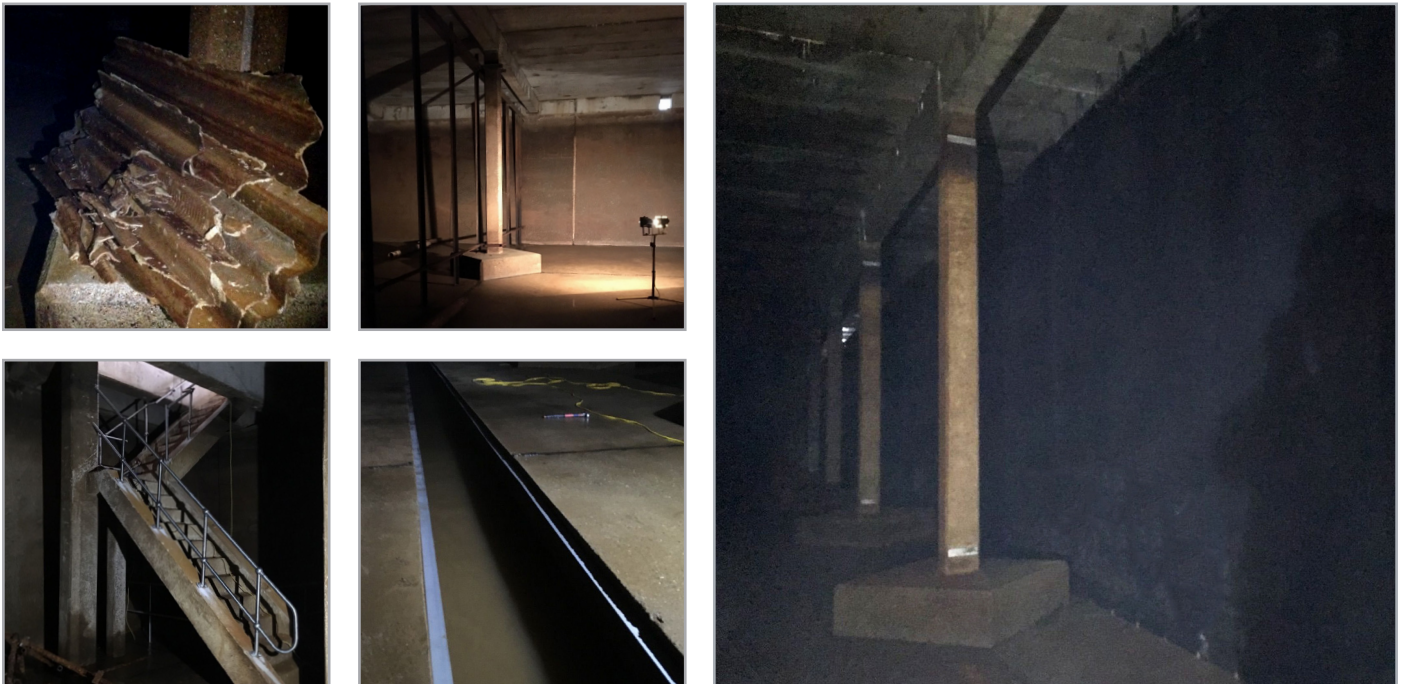


PROJECT BAFFLE WALL REPLACEMENT



Due to the presence of Chrysolite Asbestos inside a drinking water contact tank, Stonbury were contracted to remove a contaminated baffle wall and its supporting steel structure. The wall was to be replaced with a new thermoplastic baffle curtain.

The existing baffle wall was made up of corrugated sheeting and fixed into place on a steel frame. The sheeting required removal by specialist contractors and once complete, the steel frame was dismantled and removed from the tank in sections.

Holes were drilled into the floor and soffit of the reservoir and eyebolts were secured into place, ready for the new baffle curtain to be installed. A new stainless-steel handrail was also installed on the staircase and around the sump, due to the poor condition of the original railings.

Waterproofing bandage and epoxy resin were used to seal all of the wall and soffit joints inside the tank, where ingress had been identified. However, following a second failed flood test, it was decided that the roof was to be fully excavated, exposing the loose lay membrane for further inspection. Additional repairs were then completed externally, ensuring a watertight seal, before reinstatement of the original overburden.

Once the internal overbanding was complete and had passed inspection, angle irons were fitted along the scour channel to support a GRP grill. This was a health and safety measure due to the length and depth of the scour channel.

On completion of a clean and chlorination and a successful sign-off, the asset was handed back to the client for return to service.