



CASE STUDY: WOODS FARM BOOSTER STATION

Falco were awarded a contract by Thames Water through the Runway 0 Framework for the construction of a new water booster station at the site of the Mouslford Service Reservoir to replace an existing temporary pumping arrangement.

Falco were engaged in a design and build capacity for the project with the additional responsibilities of Principal Contractor and Principal Designer.

Falco's preconstruction team managed the early contractor involvement (ECI) required for the design phase. We engaged MK Surveys to provide TOPO and GPR surveys to map all services on the site. We carried out trial hole excavations and samples were sent to laboratories for waste classification purposes.

A trial excavation was also conducted to carry out a soak away test on the sub layers and we engaged archaeology consultants to conduct excavations under an Approved Written Scheme of Investigations.

Falco engaged engineering consultancy Fairhurst to undertake design of the new concrete road, drainage for the site and a concrete raft slab for the siting of the new booster station's walk-in kiosk. Falco's design manager worked closely with M&E Framework contractors, Bridges, for the design of pipework and ducting required for the new station.

The work involved extensive consultation with Thames Water's Direct Delivery team and a TOCOP was signed for the construction area handing over full control to Falco. Close liaison and planning were also required for the connection of pipework to the existing network with a short shut-to-supply arranged to minimise interruption to customers.

Our design solution provided drainage back into the water aquifer via a soak away system to the edge of the hard standings which provided environmental benefits by ensuring rainwater runoff is able to maintain its natural path.

Sector: Water

Client: Thames Water

Principal Designer/Contractor: Falco

Duration: 9 months

Completed: Jan 2024

Value: £300k

Location: Mouslford, Oxfordshire

The project involved close liaison and management with numerous supply chain partners and Thames Water's framework contractors including specialist reinforced concrete contractor Westcon for the construction of the kiosk slab and concrete road, fencing and earthing companies for site establishment and enabling works.

