

Project Profile



Project Title	Bailey Hill Service Reservoir
Client	J Murphy and Sons / Thames Water Utilities
Project Value	£1.4M
Contract Conditions	NEC Option A
Duration	9 months
GHA Livigunn Services	Civil, Structural, Geotechnical, Mechanical and Electrical Engineering detailed design

Description

Bailey Hill Reservoir, situated at Baydon near Marlborough, originally only had 0.7 ML (12 hour) capacity. The project entailed doubling the capacity of the reservoir to 1.4ML (24 hour) to meet the increased demand as a result of ongoing residential development in the area.

Part of the brief was to remodel and relocate around 5,000m³ of spoil that would have otherwise have had to be transported from the site. This reduced lorry movements and tipping requirements.

The structural design comprised propped cantilever walls and special mesh reinforcement was used throughout reducing working at heights and steel fixing times.

The connections to the existing reservoir were made using link seal couplings which minimised the outage requirements and disruption to Thames Water Operations

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