DAN'S ENGINEERING

Bishops Green WTW – Amazon Filter Platform Steelwork

Overview

Dan's Engineering delivered the design, manufacture, and installation of a new galvanised steel access platform to support Amazon filter units at Bishops Green WTW. The works were completed within a live water treatment environment, requiring careful coordination around existing pipework, instrumentation, and operational plant.

The project was delivered as a fully integrated package, from 3D modelling and structural calculations through to installation and compliance handover.

The Challenge

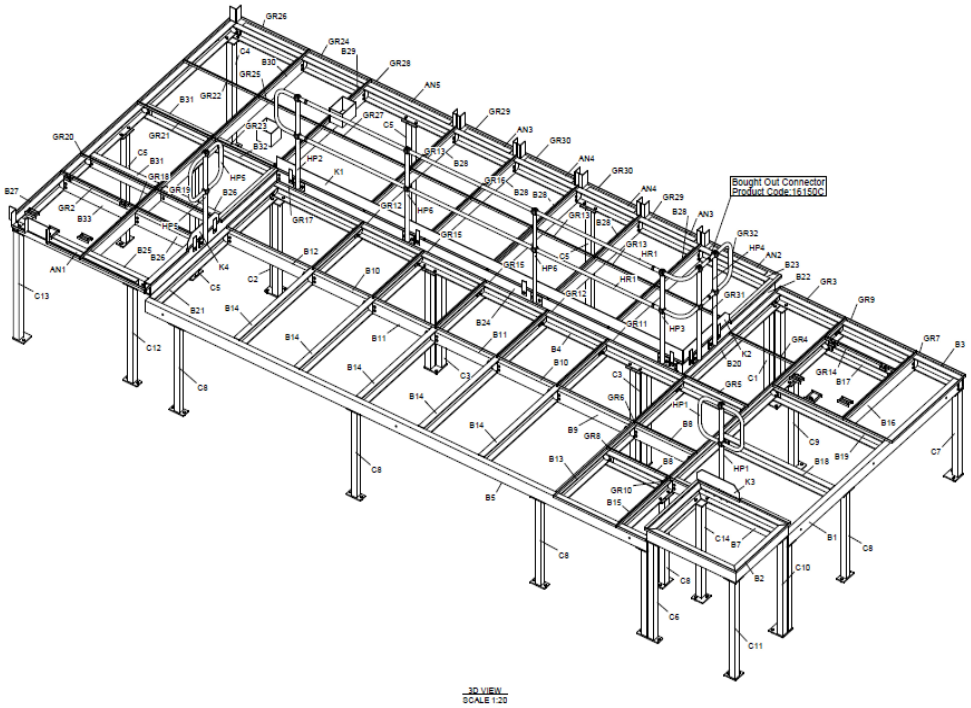
The platform was installed above operational filters and pipework, with restricted access and open voids present during construction. The works demanded:

Safe working at height over live assets

Precise detailing around existing valves and services

Strict control of incomplete flooring and fall risks

Full compliance with water industry and EN1090 standards



Bishops Green

Our Solution

Dan's Engineering provided a turnkey structural steelwork solution, including:

- 3D modelling and GA drawings for approval
- EN1090 Execution Class 2 fabrication
- Hot-dip galvanised steelwork to BS EN ISO 1461
- Open mesh flooring with bespoke cut-outs around filters
- Controlled on-site installation using fall-arrest systems, barriers, and sequenced working
- All works were completed by CSCS-certified operatives under an approved RAMS package.

The Result

✓ Safe, durable access platform installed with zero incidents
✓ Seamless integration with existing treatment infrastructure
✓ Improved long-term access for inspection and maintenance
✓ Fully compliant handover including CE/UKCA documentation