

PROJECT: NEW DEVELOPMENT OF IBA PROCESSING PLANT
SERVICE: CIVIL ENGINEERING



Project Summary

Client : Day Group
Value : £1,850,000
Role: Civil Engineering Contractor

Day Group were making a major investment into developing a 4 acre site within the Avonmouth Docks for a new IBA (Incinerator Bottom Ash) processing plant. Tercon were approached via recommendation to provide all Civil Engineering, Reinforced Concrete and Groundwork services to the project.

The industrial site had previously contained rail sidings and yards and a very large high rise concrete bonded grain warehouse. This meant the site required extensive enabling and preparatory works.

Tercon staff worked closely with the client designer to support design development and provide flexibility of services to meet changes needed during the project and to ensure effective interfaces with the mechanical plant process installation company.

Key Elements of work

- Extensive pile probing and breaking out of major below ground obstructions, installation of 228 driven precast concrete piles.
- Dealing with the uncovering of an unknown but large scale below ground basement void, working flexibly with the client to achieve the best solution and minimise programme impact.
- Foundations, RC walls and steel columns with precast concrete 'sleeper wall' panels and heavy duty floor slabs to 3000 m2 bulk goods handling shed.
- 4500m3 concrete poured into the project.
- 884 timber sleepers within steel and concrete king post walls to large external stock bays.
- 13,000 m2 of new heavy goods external concrete hauling-way and yard slabs.

