

Project Information:

Consultant	Mouchel Parkman
Blackwell Role	Main Contractor
Form of Contract	ICE 7th Edition
Contract Value	£11.65M (2 phases)

Blackwell Site Management:

Contracts Manager:

Eric Hebden

Project Manager:

Lee Swift

Site Manager:

Tom Bruen



Services Include:

Civil Engineering **Earthworks** **Geotechnical** **Remediation**



Contract Summary:

The I54 contract involved the reclamation of a 96 hectare site at Wobaston Road in Pendeford, near Wolverhampton, which had been earmarked for use as a technology-based business park.

Close to Junction 2 of the M54 Motorway, the site had previously been used as a tipping facility for waste produced from the rayon manufacturing process. The Client, Advantage West Midlands required the off-site disposal of waste materials, to leave a clean site prior to the start of infrastructure works for the new development.



Key Processes:

Phase 1- Off Site Disposal

Operations involved the excavation of more than 200,000t of material by 15t or 30t backacters. This material was then loaded into road haulage vehicles, which operated on a portable metal trackway. Each load was sheeted for security and for ease of handling at destination. Prior to leaving the loading area, all trucks passed through a wheel washing facility to remove all traces of material and the permanent haul road was also treated to regular washing. The regular monitoring of odour, noise and dust and the strict management of specified haulage routes from the site ensured minimum environmental effect throughout the project.



Phase 2 - Remediation, Earthworks and Infrastructure

This phase of the project involved the preparation of the site for sale to inward investors. Key operations included:

- The formation of development plots. This involved the excavation of almost 1 million cubic metres of material and bulk onsite cut and fill.
- The screening and offsite disposal of asbestos and Japanese knotweed contaminated materials.
- The construction of 1.1km of access road and associated pathways, kerbing and primary drainage.
- The creation of flood compensation areas, including the relocation of peat.
- The formation of surface water swales.
- Geotechnical and chemical testing.
- Environmental monitoring and the installation of gas and water monitoring boreholes.
- Soft landscaping.