

Project Information:

Consultant	Mouchel Parkman
Blackwell Role	Main Contractor
Form of Contract	ICE 7th Edition
Contract Start	June 2004 Phase 1 September 2006 Phase 2
Contract Period	42 weeks
Contract Value	£11.65M (2 phases)

Blackwell Site Management:

Contracts Manager:

Eric Hebden

Project Manager:

Lee Swift

Site Manager:

Tom Bruen

Project Office:

Midlands Regional Office:

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Services Include:

Civil Engineering

Earthworks

Geotechnical

Remediation



Background:

Advantage West Midlands (AWM) assembled a 220 acre (96ha) site at Wobaston Road, Pendeford, near Wolverhampton. The 'i54' development is earmarked as a technology-based business park. Close to Junction 2 of the M54 Motorway, the site has been used as a tipping facility for the waste products from the rayon manufacturing process. AWM required the off-site disposal of waste materials, to leave a 'clean' site prior to the start of infrastructure works to service the development.



Key Processes:

Phase 1 - Off Site Disposal

The works involved excavating more than 200,000t of material by 15t or 30t backhoes, loading into road haulage vehicles which rode on a portable metal trackway. Each load was sheeted for security and ease of handling at destination. All trucks, prior to leaving the loading area, passed through a wheel washing facility to remove all traces of material. Additionally, the permanent haul road was treated to frequent, regular washing. Throughout the contract, regular monitoring of odour, noise and dust and the strict management of specified haulage routes from the site ensured minimum environmental effect.



Phase 2 - Remediation, Earthworks and Infrastructure

This phase of the project was to prepare the site for sale to inward investors and included:

- Bulk onsite cut to fill to form development plots involving the excavation of almost 1 million cubic metres of material.
- Screening and disposal offsite of asbestos and Japanese knotweed contaminated materials
- Construct 1.1km access road, footways, kerbs, primary drainage, road signs and marking
- Create flood compensation areas, including relocating peat
- Form surface water swales
- Geotechnical and chemical testing
- Environmental monitoring and installation of gas and water monitoring boreholes
- Soft landscaping