

Contract in brief

Location:

Former Adtranz site, Manchester

Client:

Bombardier Transportation Ltd

Consultant:

BWB Partnership

Blackwell Role:

Main Contractor

Form of Contract:

ICE 6th Edition

Contract Value:

£2.6M

Contract Start:

20/01/2003

Contract Period:

38.6 wks

Blackwell site management

Contracts Manager:

Peter Lyle

Project Manager:

Lee Swift

Services Included:

- Civil Engineering
- Earthworks ✓
- Geotechnical
- Remediation ✓

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Contract Summary:

Blackwell secured the remediation works for Phases 1,2 and 3 following a period of detailed design development in which they worked closely with the Design Consultant and Client. The site is a former steelworks and was remediated to provide a new commercial development space.

Key Processes:

The remediation strategy was drawn up jointly after bench and site trials with the philosophy of re-using all materials available on the site. Principal materials included :-

- oversite concrete and hardstandings
- buried concrete foundations and obstructions
- 175,000 cu.m of steelworks waste comprising ash, clinker and fused slags.
- a layer of underlying peat
- 9,000 of hydrocarbon contaminated soils

The remediation techniques employed included :-

- the separation, screening and crushing of the concrete and hardstandings.
- the selective excavation and ex-situ bioremediation of the hydrocarbon contaminated material.
- the separation, screening of steelworks slag and re-deposition of these materials at optimum moisture content to form a new development plateau.
- drying of the peat to form landscape material.
- processing contaminated groundwater using an active carbon water treatment plant.

