

Project Information:

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| Employers Representative | E C Harris |
| Blackwell Role | Main Contractor |
| Form of Contract | ICE D&C (2 nd Edition) |
| Contract Start | March 2006 |
| Contract Period | 112 weeks |
| Contract Value | £13.02M |

Blackwell Site Management:

Contracts Manager:

Adam Lane

Project Manager:

Steve Draper

Site Manager:

Chris McMenamin

Project Office:

Midlands Regional Office:

53 Basepoint, Isidore Road,
Bromsgrove, B60 3ET

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Services Include:

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



Background:

The fifth millennium community project to be identified in the Rethinking Construction agenda. Telford Millennium Community, was awarded to Blackwell by English Partnerships to undertake the design and construction of site remediation and infrastructure.

A 35 ha brownfield site north-west of Telford town centre, containing mineshafts, colliery spoil, and a disused golf driving range, leaving the area with interesting ecological and topographical issues. The majority of the site had been left idle for many years and some areas had become important habitats for wildlife.

The completed scheme will comprise a neighbourhood of 675 homes, with commercial and retail space, community facilities, wildlife zones, open spaces and improved public transport facilities.

Key Processes:

The main elements of the scheme included:

- Grouting and capping mineshafts
- Translocation/creation of ecological habitats
- Engineering made ground in development areas, through a process of excavation, segregation of inferior materials, placement and re-compaction, and final in-situ testing to validate
- Cut to fill to form development platforms and landscape areas
- Construction of sustainable urban drainage system
- Forming of natural earth embankments in cut and fill areas
- Construction of gabion retaining structures, to retain excavated side slopes in cuttings that formed the development platforms.
- Construction of balancing ponds, formed from excavated side slopes with liners and membranes, channels lined with bentomat liner including sides formed from gabions creating drainage swales.
- Strategic structural landscaping comprising hard and soft landscaping to road corridors and eco-areas, including footpaths, fencing, paving, tree planting etc.
- Provision of new spine road and main junctions to serve development
- Provision secondary access route with steel culvert and reinforced earth embankments and planting works
- Provision of footpaths, cycleways and services with associated landscaping
- All highway and foul drainage, including provision of pumping station
- Installation of gas and leachate system to Beverley Glen landfill
- All environmental monitoring (dust, gas etc)
- All geotechnical and chemical testing.