

Project Information:

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| Client Representative | Foster and Partners / Terrence O Rourke / Sir Robert McAlpine Design Group / Buro Happold Sub Contractor |
| Blackwell Role | |
| Form of Contract | JCT Design and Build 2005 Rev2 |
| Contract Start | April 2010 |
| Contract Period | 30 weeks |
| Contract Value | £2M |

Blackwell Site

Management:

Contracts Director:

Niall Fraser

Contracts Manager:

Justin Downer

Site Manager:

Ken Crawford/
Chris Penfold

Project Office:

Head Office:

Coggeshall Road,
Earls Colne, Essex

Tel. 01787 223131

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Services Include:

Civil Engineering

Earthworks

Remediation

Land Surveying/Engineering



Background:

CA Blackwell were awarded the earthworks contract to excavate and blind the footprint of the new McLaren Production Centre in Woking. As our client had a programme to completion of 12 months, the earthwork milestones we committed to were extremely demanding. In spite of this, each milestone was handed over ahead of time allowing follow on contractors a chance of achieving their equally challenging programmes. Within the main excavation works contract was a requirement to excavate into an existing landfill material which had to be processed and reincorporated as backfill material; saving considerable export costs. Once established on site, the scope of works increased to incorporate site logistics, permanent drainage and topsoiling and seeding works.



Key Processes:

The main elements of the works included the following:

Carry out site enabling works and initial site set up including reinforced concrete access road and wheel wash, surfacing works and temporary drainage and service installation.

- Strip 200,000m² of topsoil strip in 7 days
- Excavate 173,000m³ to formation level in three phased handovers ahead of programme
- Place arisings from excavation to specified landscape contours using GPS guided dozer to meet strict planning conditions
- Blind footprint of basement and ground floor slab to allow piling and RC works to commence ahead of schedule
- Excavate and sort through contaminated land under the watching brief of a WAMITAB qualified member of CA Blackwell staff so arisings can be reincorporated as fill material
- Construct 3no. tower crane bases
- Install and maintain site haul roads and lay down areas
- Place structural backfill 10m deep against basement retaining walls
- Install permanent foul and storm water connections and carrier drains
- Spread, cultivate and seed topsoil over the 33 acre landscaped areas
- Carry out all works causing minimum disruption to the adjacent McLaren Technology Centre

