

Project Information:

Blackwell Role	Main Contractor
Form of Contract	ICE 5th Edition
Contract Start	January 2011
Contract Period	30 weeks
Contract Value	£1.93M

Blackwell Site Management:

Contracts Manager:

Adam Lane

Project Manager:

Stuart Hopkins

Project Office:

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Services Include:

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



Background:

Construction of an approach road for the new £37M Iconic Twin Sails Bridge in Poole Harbour, which will connect Hamworthy and Poole. The works comprise of widening and reconstruction of existing highway and the construction of a new link road including a new signalised junction, deep drainage, retaining wall and embankment with associated earthworks. A number of private and commercial premises require both vehicular and pedestrian access during construction, requiring Blackwell to put a Traffic Management system in place.

Key Processes:

The main elements of the works include the following:

- Earthworks comprising of approx 30,000 tons of imported class 1A fill and sub-base which consisted of approx 25,000 tons of recycled incinerator ash, this material was produced at a local household waste recycling facility in Southampton processed through the incinerator and imported to site, the use of household waste and incinerator ash is a relatively new concept and is a very good construction material with minimal impact on the environment
- Installation of 3M deep 1200mm diameter storm water carrier drain
- 200M x 2.5M high reinforced concrete retaining wall
- 10,000M² of carriageway surfacing
- Demolition of existing properties
- Diversion of various utilities and installation of new supplies for proposed re-development
- Re-alignment of existing highway junction which incorporated a multi-faced traffic and pedestrian management system
- Construction of Tree Pit systems and elaborate street scene which included a high specification finish with granite kerbs, channels and paving
- Installation of new street lighting scheme consisting of 65 no 10M high bespoke galvanised lighting columns
- Construction of a 1400M combined footway and cycleway