

Project Information:

Blackwell Role	Main Contractor
Form of Contract	ICE 5th Edition
Contract Value	£1.93M

Blackwell Site Management:

Contracts Manager:	Adam Lane
Project Manager:	Stuart Hopkins



Services Include:

Civil Engineering **Earthworks** Geotechnical Remediation



Contract Summary:

The construction of an approach road for the iconic new £37M Twin Sails Bridge in Poole Harbour to connect Hamworthy and Poole comprised of the widening and reconstruction of an existing highway and the construction of a new link road. These operations included the installation of a signalised junction and deep drainage, the construction of a retaining wall and the formation of an embankment with associated earthworks. A number of private and commercial premises required both vehicular and pedestrian access during construction, which required the implementation of a traffic management system.



Key Processes:

The main elements of the work included the following:

- Earthworks comprising of approximately 30,000 tonnes of imported class 1A fill and sub-base, which consisted of approximately 25,000 tonnes of recycled incinerator ash. This material was produced at a local household waste recycling facility in Southampton, processed through an incinerator and imported to the site. The use of household waste and incinerator ash was a relatively new concept and a useful construction material that causes minimal impact on the environment.
- The installation of 3m deep x 1200mm diameter storm water carrier drainage.
- The construction of a 200m long x 2.5m high reinforced concrete retaining wall.
- The surfacing of 10,000m² of carriageway.
- The demolition of existing properties.
- The diversion of various utilities and installation of new supplies for the proposed redevelopment.
- The realignment of an existing highway junction, which incorporated a multi-faced traffic and pedestrian management system.
- The construction of tree pit systems and an elaborate street scene, which included a high specification finish with granite kerbs, channels and paving.
- The installation of a new street lighting scheme, consisting of 65 bespoke galvanised lighting columns.
- The construction of a 1,400m long combined pathway and cycleway.

