

Contract in brief

Location:
Nuneaton

Client:
Redrow Homes

Client Representative:
Merebrook

Blackwell Role:
Main Contractor

Form of Contract:
ICE Design & Construct 2nd Edition

Contract Value:
£4.3M

Contract Start:
June 2007

Contract Period:
58 wks

Blackwell site management

Contracts Director:
Steve Johnson

Project Manager:
Jess Yates

Construction Manager:
Ken Boatman

Services Included:

Civil Engineering
Earthworks ✓
Geotechnical ✓
Remediation

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Contract Summary:

Blackwell have now completed the reclamation and reinforced earth wall design and construct contract for Redrow Homes.

The site a former hard stone quarry, which will be subject to a mixed use development, the area of the site we have reclaimed is for residential end use.

Key Processes:

The main elements of the works include the following:

- Novation of Arup to act as our design consultant.
- Excavation of upto 98,000 cu.m of poor quality cohesive fill from within the shallow void and stockpile.
- Excavate and deposit approx 250,000 cu.m of marginal cohesive fill behind the proposed wall. Process this material if required by air drying / lime stabilisation and compact to 5% maximum air voids at 95% maximum dry density.
- Blend 25,000 cu.m of foundry sand with 50,000 cu.m of site won coarse granular to produce class 6I/6J for use in constructing the wall.
- Construct 36m high 45 degree reinforced earth slope using processed foundry sand. The wall is being constructed using geogrids and mesh provided by Huesker.
- Monitor settlement for 2 years following construction.
- On a separate site in Rugby excavate and screen 33,000 cu.m of material, haul foundry sand to Midland Quarry site and dispose offsite clay and other materials.

