

Project Information:

Client	Merebrook
Representative	
Blackwell Role	Main Contractor
Form of Contract	ICE Design & Construct 2nd Edition
Contract Value	£4.3M

Blackwell Site Management:

Contracts Manager:	Steve Johnson
Project Manager:	Jess Yates
Construction Manager:	Ken Boatman



Services Include:

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



Contract Summary:

Blackwell completed the reclamation and reinforced earth wall design and construct contract for Redrow Homes on the site of a former stone quarry. The site was intended for mixed-use development and the area of the site reclaimed during our works was later used as a housing plot.



Key Processes:

The main elements of the work included the following:

- Excavating and stockpiling up to 98,000 cu.m of poor quality cohesive fill taken from within the shallow void.
- Excavating and depositing approximately 250,000 cu.m of marginal cohesive fill behind the proposed wall. This material was processed as required by air drying and lime stabilisation and compacted to 5% maximum air voids at 95% maximum dry density.
- The blending of 25,000 cu.m of foundry sand with 50,000 cu.m of coarse granular material obtained on the site. This material was then used in the construction of a reinforced earth wall.
- The construction of a 36m high, 45 degree reinforced earth slope, using processed foundry sand. The wall was constructed using geogrids and mesh.
- The excavation and screening of 33,000 cu.m of material was carried out on a separate site in Rugby.
- The haulage of foundry sand to the Midland Quarry site and the offsite disposal of clay and other materials.
- The monitoring of the settlement for 2 years following the completion of our works.

