

TITLE	QUEENS MEDICAL CENTRE – EMBANKMENT STABILISATION PH1 & PH2
VALUE	£258,000
PERIOD	(12 WEEKS)
CONTRACT	ICE 7
CLIENT	NOTTINGHAM UNIVERSITY HOSPITALS NHS TRUST
ENGINEER	TONY MULLIGAN
CDM COORDINATOR	OPUS JOYNES PIKE

Thomas Bow City Asphalt

THE CONSTRUCTION GROUP



Acting as Principal Contractor, Thomas Bow City Asphalt (TBCA) undertook the construction of this complex scheme at the Queens Medical Centre, Nottingham for Nottingham University Hospitals NHS Trust.

Objective: The objective was to cut back and make safe an encroaching embankment adjacent to the adjoining service buildings, which was now causing significant health and safety concerns to staff, patients and visitors alike, including the residential gardens that stood some 8m above the hospital grounds.

Issues: Resident Badgers Set and residential gardens to land above.

Solution: On appointment, TBCA undertook the monitoring of the resident Badgers Set for a period of 12 months, following which the Badgers were successfully relocated.

Undertaking the work in two phases, Phase 1 'enabling works' commenced with bulk excavations and the removal of trees and vegetation, whilst Phase 2 saw the erection of a scaffold works platform (80m x 5m) to accommodate piling equipment along with in-situ concrete formwork. The rock was then drilled to a depth of 4.5m to facilitate the installation of king- post columns, which were then grouted with concrete.

Pre-cast concrete panels were craned into place between the king-posts to retain the material above the rock-face and once completed the scaffolding platform was removed and the site excavated back to sandstone rock to relieve the pressure on the service buildings and to provide a stable clean face.



Scope of works:

- Bulk excavations
- Erection of scaffold platform 80m (L) x 5m (W) x 8m (H)
- In-situ concrete formwork
- Installation & grouting of King-Pin columns
- Craned installation of pre-cast concrete panels
- Soft landscaping
- Fencing
- Pedestrian Management
- Traffic Management

Contact:

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