

Case Study

WILTING BANK, CROWHURST

Client: Network Rail Southern Construction Partnership

Consultant: Edmund Nuttall

Main Contractor & Anchor Installer: [Nuttall Hynes](#)

PROJECT SPECIFICATION

The clay and ash railway embankment at Wilting Bank near Hastings required extensive reinforcement including the installation of a series of bored piles. To facilitate this, a 600m long scaffold platform was constructed which needed anchoring in place to counteract the reaction force of the piling rig. Site conditions limited the installation equipment to hand held tools.

SOLUTION

Extensive site tests were carried out, which determined that the poor ground of the embankment required the B6 anchor to achieve the 20kN tie-in force specified. The poor nature of the ground also meant that the installation depth of 4m could readily be achieved using a handheld hydraulic breaker. The anchor force was transferred to the scaffold structure by a steel load plate positioned against a pair of horizontal scaffold tubes.

Anchor System: B06TC galvanised spheroidal graphite iron anchor c/w 5m of 8mm Ø galvanised steel wire tendon, 200mm x 200mm steel load plate, hemispherical washer & 8mm wedge grip.

Quantity: 670

Anchor Design Life: 5yrs

Soil Type: Ash over clay fill

