

WCTL Car Parks Ground Investigation

Client :
Arup

Location :
Rugby to Carlisle

Date :
2007



BAM Ritchies has carried out a number of ground investigations for multi- storey car parks on Network Rail's West Coast Main Line between Rugby and Carlisle. The works were undertaken within a framework contract awarded in March 2007 and included sites at Preston, Birmingham International, Runcorn, Rugby, Stafford and Oxenholme.

The works involved cable percussive and occasional rotary drilling together with trial pits with in-situ plate bearing tests, mexe-probes, hand shear vanes and soak away testing. All operations were undertaken by BAM Ritchies' own crews and engineering staff.

All sites were designated as 'Yellow' in accordance with the BDA guidelines, with samples being taken for possible contamination in addition to geotechnical samples. Contamination samples were tested for VOC's utilising a PID meter prior to being dispatched to the laboratory.

Standpipes and standpipe piezometers were installed for the monitoring of ground gas and groundwater. Upon completion of the field works, these were monitored at intervals of every two weeks.

The site operations were carried out in car parks that were open to the public and special measures were implemented to ensure the works were undertaken safely.

The fieldworks at each site were followed by a program of laboratory testing and subsequent factual reporting.