

Curriculum Vitae

Richard Lote

Profession: Geotechnical Engineering
Year of birth: 1960
Nationality: English

Position on team/specialisation: Geotechnical Engineer

Education/professional achievements: 1981 - BSc (Hons) Environmental Sciences, University of Lancaster
1982 - MSc Engineering Geology, University of Newcastle Upon Tyne
1994 – Chartered Geologist
2000 - IRATA Rope Access Level 1

Experience record

1994-date	Richard Lote Earth Sciences Ltd, Managing Director
1990-1993	Babtie Geotechnical, Senior Geotechnical Engineer
1989-1990	STATS Ltd, Project Manager (Site Investigations)
1987-1989	Lancashire County Council, Highways Laboratory Assistant Soils & Materials Engineer
1986	Geotechnics Ltd, Assistant Geotechnical Engineer
1984-1985	University of Lancaster/John Mowlem plc CASE Studentship in Civil Engineering Production Studies with 6 months research project on "Geological Problems in Tunnel Driving".
1983-1984	Manstock Geotechnical Consultancy Services Ltd, Graduate Engineering Geologist

Previous Experience

Richard Lote Earth Sciences Ltd

Managing Director of limited status company undertaking site investigations and other specialist geotechnical services to a broad range of clients including architects, engineers, loss adjusters and civil engineering contractors. Recent projects include:

Whitby Abbey Headland Project. Site investigation and geotechnical analysis for enabling works and construction of visitor centre in area of extreme archaeological sensitivity.

Greta Viaduct Boardwalk, Keswick Roped access ground investigation.

Moregarth Hall, Ingleton. Former petrol station site development, desk study, ground investigation supervision and assessment of contaminated land, providing remediation solution options.

Deerslack Bridge, M6 Motorway. Ground investigation and geotechnical analysis for bridge deck jacking.

ex Steetley Tile Works West Thurrock. Resident Engineer for demolition, earthworks and asbestos decontamination.

Demolition of a fuel facility, US military airbase, Management of all contamination aspects of the demolition contract. Work undertaken included intrusive investigation, on-site supervision for the duration of the contract and extensive consultation with the Environment Agency regarding waste disposal issues.

River Irwell Flood Defence Scheme, Salford. Responsible for management of several ground investigations for contamination and geotechnical assessments required for the flood defence improvements. Has included human health risk assessment (using SNIFFER) and quantitative assessment of risks to controlled waters (groundwater

and the River Irwell). Close consultation required with the regulatory authority over the waste management licensing issues associated with the re-use of materials at the site.

West Coast Mainline, Cumbria. Rock slope assessment for Network Rail.

M6 Area 10 - Geotechnical investigation, supervision interpretation and design for bridge maintenance and improvement

M1 Motorway Widening J14-15 Assistant Resident Engineer, followed by office based supervision of production of factual report and analysis of data for interpretative report.

Elswick Gas Works, Newcastle upon Tyne. Supervision of site works to locate, excavate and assess condition of buried tar tanks.

Tees Jetty. Design, contract documentation and supervision of trial piling,

Chester le Street STW. Tender assessment of temporary works proposals, vibro-replacement specification and contract documentation,

Babtie Geotechnical

Senior Geotechnical Engineer and office manager with team of six engineers and technicians. Experience gained on a broad range of geotechnical problems principally in connection with road and water engineering projects. Roads experience included designing the site investigation for the M6 Motorway Widening Carlisle to Scottish Border, procedural statements, desk studies, earthworks design reports and interpretative reports for road schemes in Cumbria and Yorkshire. Water engineering experience was gained with geotechnical aspects of investigations, analysis and design on flood alleviation schemes, waste water treatment works, sludge tips and reservoir stability. Other projects included Deighton Sludge Tip failure investigation, Irlam Steel Works contamination investigation, pumping test data analysis, drainage design proposals, the inspection and assessment of rock mass stability in strategic water supply aqueducts, assessment of claims, advising on ground condition problems, preparation of bids, assessment of ground contamination, slope failure monitoring, acceptability criteria for earthworks and dewatering.

STATS Ltd

Project manager for site investigations. Responsible for quotations and tenders, organising all aspects of site works and laboratory testing, reporting, invoicing and client liaison. Reporting to technical director and responsible for management of engineers and laboratory staff. Principal projects included Flint Bypass (crossing PFA lagoons and disused chemical project site). Bridge Hall Development Stockport and Normanby Park Steelworks.

Lancashire County Council, Highways Laboratory

Responsible for design, supervision and reporting of site investigations for roads and bridges, (including the Mellor Brook (A59) Bypass and Chorley Town Centre Bypass), public buildings, land reclamation and geotechnical failure analysis. This included desk studies using archive material and aerial photographs, co-ordinating field operations and preparing interpretative reports. Experience was gained providing geotechnical input to current road construction and building projects. Undertook desk studies to assess potential for gas migration from landfill sites, installation of gas monitoring equipment and an assessment of rock suitability for supply of rock armour to sea defence scheme.

Geotechnics Ltd

Assistant engineer responsible for organising, operating and reporting site investigations throughout UK.

University of Lancaster, Department of Engineering

Nine month course on civil engineering production studies comprising lectures, tutorials and eight two-week secondments to various sites and offices throughout the UK studying technical, commercial and management aspect of civil engineering industry. Followed by a 6 months research project with John Mowlem plc on Geological Problems in Tunnel Driving. The final report discussed the means of assessing rock excavatability and the origin and cause of geological and site investigation problems at six tunnelling sites.

Manstock Geotechnical Consultancy Services Ltd

Site supervision, contract administration and preparation of reports for site investigations mostly in NW England.
Operated an on-site materials laboratory during construction of a rockfill causeway at a Derbyshire Quarry.
Assisted with data collection and preparation of geophysical survey investigation of mineworkings for DTP road scheme.