



Dr J.P.Love
BA MA MICE FICE DPhil CEng
Senior Consultant

Areas of expertise

Ground investigation, earthworks, slope stability, embankments, roads, excavations, subsidence, drainage, soft soil, foundations, piling, ground improvement, basements, retaining walls, underpinning, grouting, sinkholes, railways, pipelines, tunnelling, soil nailing, reinforced soil, horizontal directional drilling, tree root damage.

Recent experience

Jerry Love joined GCG in 1988 and became a Director in 1993, then a Senior Partner when the company became a LLP in 2011. He became a Senior Consultant in 2019. Dr Love's design work covers almost all aspects of geotechnical engineering, including the development of new specialist techniques as well as the implementation of traditional construction methods. His time is shared between site and the design office. Dr Love has provided design solutions for numerous construction foundation schemes, earth retaining structures, slopes and ground improvement systems, together with the acquisition of appropriate GI information and its proper interpretation.

Examples of landmark projects on which Dr Love has worked include the Jubilee Line Extension, Crossrail, Wembley National Stadium, the Wimbledon No 1 Court and the Royal Opera House Covent Garden in London. He has carried out earthworks analysis for Terminal 5 at Heathrow Airport, the M6 Toll, the M25, A14 and A380 in the UK and the N7 motorway in Ireland. Projects further afield have included a detailed assessment of ground improvement measures on the Highway 2000 in Jamaica, earthworks analysis for the S-69 Expressway in southern Poland and more recently in northern Oman. Dr Love has a wide range of experience in the design of appropriate foundation schemes and associated earthworks for new build as well as for remediation schemes. His expertise includes the assessment of subsidence, sub-surface cavities, ground water flow, pile design, earthworks compaction, jet grouting and permeation grouting schemes, design analysis for deep excavations in soft soil, basement waterproofing and the design of embankments over very soft ground.

Dr Love has frequently been retained as an expert to assess mechanisms of failure and to design remedial works, and has given evidence in Court on multiple occasions. Expert witness cases have included the examination of slope failures, retaining structures, subsidence and heave, poor compaction, a burst water main, two reservoir failures, tunnelling settlement, swallow holes and the scope of ground investigation. He is also frequently appointed to assist on Claims.

Areas worked in addition to the UK

Oman, Ireland, Hong Kong, Jamaica, Netherlands, Belgium, France, Croatia, Indonesia, Morocco, Malawi, Mozambique, Guinea, Saudi Arabia, UAE, Turkey, Kuwait, Trinidad



GEOTECHNICAL CONSULTING GROUP

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Previous experience

After graduation from Cambridge, Dr Love worked for Binnie and Partners. He was engaged principally on two major projects, firstly the construction of artificial islands in the Beaufort Sea employing reinforced soil techniques including a field trial, and then on a feasibility study for embankment construction for the Severn Tidal Barrage.

His research at Oxford University from 1981 to 1984 investigated the behaviour of reinforced soil, in particular the behaviour of geogrid reinforcement in granular and soft cohesive soils. The research was directed towards the design of roads over soft clay, and the concepts may be applied to the use of reinforced soil generally.

From 1984 to 1988 Dr Love worked for Ove Arup and Partners. As a member of Arup Geotechnics he was involved with all aspects of geotechnical work from ground investigation planning and supervision, to interpretation and selection of soil parameters, to design and supervision of foundation construction on site. Main projects included piled, raft and spread foundations for multi-storey buildings, often including deep basements in the London area. His work also included retaining wall design, embankment construction, the analysis of slope stability problems in over-consolidated clays, design of deep excavations in soft marine clay in Singapore, directional drilling, and the geotechnical implications of offshore disposal of nuclear waste. Dr Love also acted as the in-house specialist at Arup Geotechnics for reinforced earth construction and the use of geosynthetics, working on the design of reinforced soil structures in the UK, in Oman and the Far East, including embankments built over soft soil in China. Dr Love was the Resident Engineer during under-ream piling and deep basement retaining wall construction for the National Gallery Extension, Trafalgar Square, London.

Education/Research

D.Phil, Oxford University, 1984

BA (Hons), Cambridge University, 1980 (and MA conferred in 1984)

Professional Qualifications

Member of the Institution of Civil Engineers, 1987-present

Fellow of the Institution of Civil Engineers, 2009-present

Service on Technical/Professional Bodies

Member of the Géotechnique Advisory Panel, 1997-2000

Member of Organising Committee for International Conference on Advances in Site Investigation Practice, ICE, 1994-1995

Member of Technical Committee for the production of a Code of Practice for Reinforced Soil, 1987

Co-author of the DoT Advice Note HA 68/94 "Design Methods for the Reinforcement of Highway Slopes by Reinforced Soil and Soil Nailing Techniques" and co-produced the Windows software program *GCG ReActiv*.

Recipient of the Halcrow Prize 2004 for a published paper.

Member of committee tasked with rewriting BS8006-2, the new UK code of practice on soil nailing.

Member of Eurocode Evolution committee B526/4

UK RoGEP Adviser since 2011

Year of Birth

1958