

Involvement of dr F. Schokking in Forensic Engineering Cases

Forensic Engineering Report to the Court of Haarlem (2009-2010)

Conflict between Owner and Contractor about damages to existing building possibly related to excavation and ground water extraction adjacent to the building

Forensic Engineering Report to the Court of Roermond (2009)

Conflict between Owners and Water Board about damages to wood skeleton houses possibly related to groundwater fluctuations

Forensic Engineering Report to the Court of Amsterdam (2007)

Conflict between Owner and Municipality about possible influence of pile driving operation on inside and outside wall fracturing of house in peat area.

Research of the possible influence of groundwater extraction on damage to monumental (2006 – present)

Geological and hydrological research report for claim of Owner on Contractor of environmental dewatering, negotiations with Contractor and supervision of monitoring during continued ground water extraction.

Forensic Engineering Report to the Court of Haarlem, (2005 – 2006)

Conflict between Water Board and Owner, arising from application of sheet pile wall behind house in peat area. Forensic research to the relationship of activities for sheet pile application, displacements of the sheet pile and preventive methods for further displacements and damages to the house

HSL-South Amsterdam-Brussels, Connections to existing NS Infrastructure (Contract HSL7)(1998-2004)

Case description

Danger of the occurrence of possible settlements to the foundations of an existing fly-over as a result of the construction of a new fly over

Claim concerning the necessity of preconsolidation of clay layer during the construction of an under-pass

Forensic engineering activity

Performance of additional site investigation and redesign of existing foundation; Research to the potential claim on the Owner of additional costs, based on insufficient geotechnical, design and construction data of the foundation of the existing fly-over, during the tender phase

Technical argumentation of claim based on new geological and geotechnical information obtained in site investigation during construction

Botlek rail tunnel, Betuweline (2000)

Damage to adjacent rail tracks, motorway and pipe line conduit during installation and extraction of sheet piles and combi-wall piles

Compilation of forensic engineering report concerning the liability of the Contractor (design and construct contract), possible alternative construction methods and judgement of the adequacy of the used construction methods by the Contractor

High-rise office building, Diemen (1998)

Fracture development in basement floor and walls

Pre-claim research of possible causal relation with problems during pile driving

Aqueduct de Gaag, Delft (1996)

Slope failure of excavation inside sheet pile wall

Consult to Contractor concerning technical and contractual aspects of slope stability in relation to ground water extraction

Integrity problem of vibro-combination piles by vertical displacement of concrete during hardening

Forensic research of followed construction procedures in light of existing construction codes