CURRICULUM VITAE

Jurgens Johannes SCHOEMAN

MEng (Civil Engineering) BSc (Hons) Applied Geology)
Engineering Geologist, NT Branch Manager
Darwin, Northern Territory

Education

MEng (Civil Engineering), Stellenbosch University, South Africa, 2018

BSc (Hons) Applied Geology, University of the Western Cape, South Africa, 2014

BSc Applied Geology, Stellenbosch University, South Africa, 2013

Languages English, Afrikaans

1. CURRENT POSITION

Jurgens Schoeman is a consulting engineering geologist with more than 7 years' professional experience. His experience lies in geotechnical investigation, supervision, and reporting for various geotechnical projects. He has previously worked throughout the Western Cape of South Africa, Western Australian and is now the branch manager for Galt NT.

2. EMPLOYMENT HISTORY

2.1. GALT NT / GALT GEOTECHNICS PTY LTD (PERTH AND DARWIN): JUNE 2021 – PRESENT

ENGINEERING GEOLOGIST

Engineering Geologist in this firm of consulting Geotechnical Engineers. Duties involve a variety of office work, analysis, drafting and fieldwork, which may be summarised as follows:

- Branch Manager: responsible for day-to-day running of the NT branch of Galt including client liaison, contractor liaison, establishing business relationships and recruitment.
- Proposals and Reporting: Writing proposals for projects in and around NT area as well as those projects accessed from the NT base (northern WA, rural QLD and SA as required), frequently undertaking the acquired projects, and writing factual and interpretive reports.
- Site Investigations and Reporting: start-to-finish execution of investigations, including specification of site investigations, appointment and supervision of drilling, pile and sheetpile-installation, test pitting and other subcontractors, writing health and safety management plans to meet internal and

Galt NT
ABN: 21 340 243 805
www.galtnt.com.au
2/3 Swan Crescent, WINNELLIE 0820

external client criteria, site supervision of site investigations, field testing, soil and rock logging, sampling, specification of laboratory testing, analysis and report writing and subsequent client liaison.

- Site inspections during earthworks: full time and part-time supervision, liaison with contractors, carrying out and reporting inspections on various earthworks projects in the Perth metropolitan area and remote areas of WA.
- Computer Analysis: analysis of slope stability problems using the program 'SLIDE' and custom calculations for various engineering problems including retaining wall design.
- Analysis: analysis of bearing capacity and settlement problems. Preparation of geotechnical ground models, analysis of laboratory data and selection of material parameters.
- Construction Support: frequent visits to projects for construction support purposes, including advice, problem-solving and contractor liaison. Geotechnical verification of foundations and earthworks.

Projects are often undertaken from the proposal phase right through to reporting, including frequent client liaison. Responsibility is taken for most logistical aspects of projects, including arranging site access, ordering and liaising with subcontractors, obtaining supplies, arranging laboratory testing, etc.

2.2. CORE GEOTECHNICAL CONSULTANTS PTY LTD (CAPE TOWN): APRIL 2016 – MAY 2021

ENGINEERING GEOLOGIST

Duties involve a variety of office work, analysis, drafting and fieldwork, which may be summarised as follows:

- Proposals and Reporting: Writing proposals for projects in and around the Cape Town area as well as rural areas, frequently undertaking the acquired projects, and writing factual and interpretive reports.
- Site Investigations and Reporting: start-to-finish execution of investigations, including specification of site investigations, appointment and supervision of drilling, test pitting and other subcontractors, writing health and safety management plans to meet internal and external client criteria, site supervision of site investigations, field testing, soil and rock logging, sampling, specification of laboratory testing, analysis and report writing and subsequent client liaison.

Galt NT
ABN: 21 340 243 805
www.galtnt.com.au
2/3 Swan Crescent, WINNELLIE 0820

3. MAJOR PROJECTS

3.1. LAND DEVELOPMENT

VARIOUS LAND DEVELOPMENTS, WESTERN AUSTRALIA AND NORTHERN TERRITORY

Numerous land developments throughout WA and NT. Project work typically involves site investigation, design recommendations and earthworks verification for a large variety of residential, commercial and industrial subdivisions.

Experienced in investigation, geotechnical assessment and earthworks support on sites containing deep profiles of loose soils and/or uncontrolled fill, soft clayey soils, shallow rock and shallow groundwater. Responsible for providing geotechnical recommendations regarding ground improvement, site preparation recommendations, re-use of *in situ* soils (including topsoil).

3.2. ROADS AND PAVEMENTS

VARIOUS ASSESSMENTS AND INVESTIGATIONS FOR NEW AND EXISTING ROADS

Numerous assessments and investigations for new roads and pavement layers, and upgrade and widening of existing roads.

3.3. GEOTECHNICAL ENGINEERING (BUILDINGS, FOUNDATIONS, INFRASTRUCTURE, ETC)

VARIOUS SITES - ASSESSMENT OF FAILING STRUCTURES CAUSED BY GEOTECHNICAL FAILURES

Engaged at various sites across WA and NT to assess the likely causes of structural failures including excessive cracks and movements in buildings, foundations and retaining walls. These works generally involve project management, a case-by-case field investigation, interpretation of observations and testing results, and providing a likely cause and remediation options. Analysis generally requires use of geotechnical modelling to accurately model the existing issue and potential remediation options. Work has also involved supervising and providing advice during the remediation of structural issues caused by geotechnical failures.

VARIOUS SITES – ASSESSMENT OF POOR DRAINAGE AND FLOODING

Engaged to carry out the assessments of sites that are presenting with poor drainage and flooding. Sites have included industrial facilities, public-open-spaces, government schools and others, with issues relating to soakwells, subsoil drains and bulk fill. Investigations have required case-by-case detailed assessment of the design drainage systems, the subsurface conditions and the activities at the site. Responsible for maintaining strong liaison with clients and potential contractors to ensure that a positive outcome can be achieved when remediating the sites.