

## LANDER GEOTECHNICAL – CAPABILITY STATEMENT

### About Lander Geotechnical

Lander Geotechnical Consultants Limited were established in November 2014 by the Owner and Principal Geotechnical Engineer, Shane Lander. Since then we have rapidly grown to a team of 10 staff who are based at our head office in the Manukau City CBD, and are well positioned to provide prompt and efficient service to local Auckland projects.

We offer a range of geotechnical services including consulting, site investigations, analysis & design, and construction observation and compliance services across commercial and industrial building developments, land development and civil infrastructure projects.

### Site Investigation

- Preliminary Site Walkovers / Appraisals
- Hand Augers and Scala Penetrometers
- Rotary and Percussion Machine boreholes
- CPT, DMT & sDMT Soundings
- Percolation / Soakage Testing
- Laboratory Soils Testing
- Geomorphic and Geological Hazard Mapping
- Aerial Photograph Interpretations



### Geotechnical Design

- Slope Stability Analyses & Remediation Design
- Liquefaction Analyses
- Ground Improvement Design
- Settlement Analysis
- Small Dams & Embankment Design
- Foundation and Retaining Wall Design
- Temporary Works Design (basements, cut slopes, etc)
- Civil Infrastructure (bridges, roads, pump stations, etc).



### Construction Observation

- Earthworks Supervision & Completion Reports
- Fill Compaction Control Testing
- Foundations and Pile Hole Observations
- Retaining Wall Observations
- Producer Statement - Construction Reviews (PS4)
- Geotechnical Monitoring Plans
- Geotechnical Monitoring Instrumentation



## Key Team Members

### Shane Lander – Principal Geotechnical Engineer

*Qualifications: NZ Certificate in Engineering (Civil), BE (Civil) (1st Class Hons), MIPENZ (Geotechnical), CPEng.*



Shane has 25 years experience and his particular skill lies in land and commercial development engineering, particularly on steep unstable sites and compressible ground. As such, his geological and geomorphological background is strong. He also has extensive experience with industrial and commercial developments, plus hi-rise buildings incorporating multi-level basements, making him a well-rounded consultant with excellent project management skills.

### Dustin Tookey – Senior Geotechnical Engineer

*Qualifications: BE(Civil), MIPENZ, CPEng*

Dustin is a Chartered Professional Engineer and has over 12 years experience as a consultant. He has a wide range of geotechnical experience relating to commercial and industrial developments, infrastructure projects and land developments. He has been involved across a broad range of geotechnical aspects of projects, including site investigation, detailed engineering design, and construction observation for projects of varying size.



### Chris Edwards – Senior Engineering Geologist

*Qualifications: BSc (Technology)*



Chris has over 10 years experience, with significant field experience in and around the Auckland region. He has undertaken and supervised field investigations including numerous drilling, trial pit excavations and construction monitoring projects. He has also carried out laboratory and field testing for Auckland based projects as well as having worked on large oil and gas infrastructure projects. Chris is a capable and reliable geologist with skills in geotechnical reporting and project management.

### Matthew Charlesworth – Engineering Geologist

*Qualifications: BSc (Geology)*

Matt has 4 years experience, predominantly in field investigations within the Auckland region. He has undertaken field investigations including numerous drilling and trial pit excavation projects. He also has experience in geotechnical instrumentation monitoring having worked on the Waterview tunnel project.

