

CAPABILITY STATEMENT

COMPANY's NAME: ML & ASOCIATES GEOTECHNICAL ENGINEERS PTY LTD

COMPANY's LOCATION: 27 GOULBURN STREET, CRANBOURNE EAST - VIC 3977

COMPANY STORY

ML & ASSOCIATES was established as a proposed geotechnical and environmental engineering consultancy firm on 30th June 2017 under Mr. Mori LEVI as a sole trader and the director. Our main aim is to become one of the formidable forces in the field of geotechnical and environmental engineering consultancy in Australia and beyond.

ML & Associates Geotechnical Engineers has formed a Joint Venture with Ground Environments-Mackay under the directorship of Dr. Lambert Ezeajugh formerly on the Department of Transport and Main Roads design panel in Queensland.

MISSION STATEMENT

ML & ASSOCIATES intends to provide quality, sustainable, timely and cost effective geotechnical and environmental engineering solutions to clients in Victoria and Australia wide.

AREAS OF EXPERTISE

- Desktop Study.
- Soil and rock logging to AS1726 – 2017.
- Foundation investigation and design for infrastructure development such as buildings (high-rise and light structures), embankments, basements, bridges, roads and etc.
- Site classification to AS2870 – 2011.
- Investigation and design of retaining wall.
- High level and pile foundations inspection and construction certification.
- Slope stability analysis of residential developments on steep hill slopes as per Australian Geomechanics Society (AGS) Journal.
- Assessment and design of on-site wastewater systems in unsewered areas as per AS1547 - 2012.
- Groundwater monitoring.
- Contaminated sites investigation.
- Investigation and assessment of acid sulphate soils and salinity.
- Investigation for quarry development.
- Resistivity field testing.
- Liquefaction analysis.
- Geotechnical instrumentation and monitoring.
- Investigation and remediation of distress structures.
- Groundwater investigation, including flow and quality assessment.

- Investigation of new and distress highways, heavy haul roads and airfields.
- Slope risk assessment to New South Wales-Road Maritime Service (NSW-RMS) guidelines.
- Piling rig pad investigation and certification.
- Settlement prediction and modeling.
- Remediation measures for foundations on soft soils.
- Soil aggressivity assessment as per AS2159 - 2009.
- Salinity assessment.
- Multiple basement investigation and modelling.
- Construction inspection and monitoring of basement using inclinometers.
- And other geotechnical related problems.

STAFF/CLIENTS

The manager of this company is Mori LEVI who has over nine (9 no.) years of experience in the field of geotechnical and environmental practices with the following relevant qualifications and accreditations:

BEng (Civil), MIEAust, Member Australian Geomechanics Society, Full Accreditation in slope risk assessment to NSW-RMS guidelines, Registered Building Practitioner - Victoria (RBP-EC) and is at the final stages of being chartered (CPENG), Member Engineers PNG and soon to obtain RPEQ.

Mr. Mori LEVI has experience working interstate and broad in the field of geotechnical and environmental engineering consultancy for Construction Sciences - Mackay formerly called (Cardno Construction Sciences-Mackay), Asset Geotechnical Engineering Pty Ltd, Statewide Geotechnical Engineers and Ground Environments Pty Ltd over the past few years and more. Mr. Mori also worked for Asset Geotechnical Engineering Pty Ltd and Ground Environments Pty Ltd on behalf of the following major clients to name a few:

- Construction Sciences formerly called Bowler Geotechnical Whitsunday/Cardno Construction Science.
- Rio Tinto at Hell Creek Mine.
- GHD Mackay.
- BHP and BMA.
- Aurecon-Mackay.
- Aecom Group.
- Mackay Regional Council.
- Queensland Department of Transport & Main Roads.
- Vision stream Pty Ltd and NBN.
- Arup Group Brisbane.
- AECOM-Mackay and AURECON Mackay.
- Ergon Energy and UGL.
- Powerlink

- Papua New Guinea Department of Transport & Main Roads.
- Ausenco Group.
- Ausnet Australia.
- QCoal Group.
- AGL.
- Logan City Council.
- Numerous clients around the Sydney Metro Areas.
- Optus Australia.
- Douglas Partners – Brisbane Environmental team.
- And other developers.

Mori Levi is currently working with Statewide Geotechnical Engineers, Ground Environments and other consultants around Melbourne as a contractor on some major infrastructures such as Highrise buildings, basement investigations, wind power lines and substations.

ML & Associates Geotechnical Engineers also can carrying deep drilling with in-situ soil testing down to a nominal depth of approximately 180m below ground level using the recently acquired Gemco Drilling Rig. This drilling rig has the following drilling capabilities;

- Dry Auger flight.
- Wash boring/rock rolling.
- Rock coring (Diamond Drilling).
- Standard Penetration Test (SPT).
- Down hole Harmer Drilling.
- U50/U60/U100 tube sampling.

ML & Associates proposes to sublet most of the services like location of underground services and laboratory testing to other subcontractors for massive jobs. NATA endorsed laboratory test certificates shall be provided upon request.

Our major ambition is to provide quality geotechnical and environmental engineering services to our clients by delivering sustainable and cost-effective projects on time and within budget. And this is our vision and strength in the provision of geotechnical and environmental engineering services in Australia and beyond.

OUR GEOTECHNICAL AND ENVIRONMENTAL ENGINEERING CONSULTANCY AND DRILLING RATES ARE AS FOLLOWS;

ENGINEERING CONSULTANCY RATES

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| • Construction inspection or project management | \$100/Hr |
| • Fieldwork supervision by an experience geotechnical engineer | \$110/Hr |
| • Foundation & bored pier inspection by a senior geotechnical engineer | \$100/Hr |

- A geotechnical report for non-superstructures and factual reports \$400/Site
- Basic soil for residential extension \$300/Site
- Basic soil report & site classification for smaller site \$350/Site
- Soil report for larger (multiple storey dwellings) or basement structures \$1,500/Site
- Soil report for medium size structures \$800/Site
- Interpretive report lump sum \$1,500/Site
- Slope stability assessment report \$1,100/Site
- Accommodation for a Geotechnical Engineer \$250/Day
- Foundation inspection & certification \$300/site/visit.
- RPEQ Certification by principal geotechnical engineer \$250/Hr

DRILLING RATES

- Drilling of 2-3boreholes to 1.8m for residential developments \$1800/Site.
- Footing exposure \$60/Each
- Drilling rig hire with SPT, U50 & Coring capabilities \$2,000/Day.
- Mobilization & demobilization within metro areas \$400/Day.
- Interstate mobilization & demobilization \$900/Day.
- For jobs outside the metro areas mobilization cost \$200/Per Job.
- Accommodation for drilling crew \$350/Day.
- Consumables for diamond drilling (rock coring) \$200/Job.
- Wear and tear shall be charged at \$250/Job.
- U50 tubes \$50/Each.
- Core Trays \$50/Each.
- Piezometer installation cost \$60/m.
- Piezometer materials cost \$50/3m.

LABORATORY TESTING RATES FROM OUR SUBCONTRACTOR WITH NATA CREDITATION

- Moisture Content – AS1289.2.1.1 \$30/Sample.
- Sieve Analysis – AS1289.3.6.1 \$220/Sample
- Atterberg Limit – AS1289.3.1.1/3.2.1/3.3.1 \$240/Sample
- Linear Shrinkage – AS1289.4.3.1 \$0/Sample
- California Bearing Ratio (CBR) – AS1289.6.1.1 \$240/Sample
- Soil chemistry (Soil Aggressivity) \$65/Sample
- Shrink Swell – AS1289.7.1.1 \$165/Sample
- Point Load Test – AS4133.4.1 \$40/Sample
- Triaxial – AS1289.6.4.1/6.4.2 \$185/Sample
- Compaction – AS1289.5.1.1/5.2.1 \$160/Sample
- UCS on Rock To be advised

- Emerson Class – AS1289.3.8.1 \$60/Sample.

Any laboratory test rate not included herein shall be provided upon request. These are just some of the basic laboratory tests required by most clients.

Note:

1. All the above rates are excluding GST and are negotiable.
2. We are also willing to travel interstate at any given time.
3. A further discount of about 10% may be offered depending on the size of the project.

Note: Basic soils reports and others that does not required laboratory testing may be release/issued within two working days following completion of fieldwork.

Below is an overview of the drilling rig

