

Geotechnical Engineering

FMG Engineering's Geotechnical Division has been in the business of ground investigation for over 40 years. During that time we have developed a specialised knowledge with regard to highly reactive soils including being fully aligned with the recently released 2011 update to AS2870.

With our Melbourne based drilling capability we have the ability to investigate and report on all projects from residential site classifications to major commercial and industrial developments.

Geotechnical Capabilities

- Preliminary Geotechnical Site Investigations
- Full Geotechnical Site Investigations
- Foundation Design and Investigation
- Retaining Wall Design
- Pavement Design and Investigation
- Forensic Investigations (reasons for failure)

Compaction Supervision

FMG Engineering also have the ability to undertake Level 1 and Level 2 supervision in accordance with AS3798-2007 for the certification of controlled fill sites. We have a 20-strong lab team, all with a numerous years of experience in GITA and GTA supervision, who are equipped with mobile laboratories ready for mobilisation to any site in South Australia and Victoria.

All of our Field Technicians hold licenses for Nuclear Densometers which allow for immediate onsite confirmation on the level of compaction and moisture content.

Research House

FMG Engineering has its own Adelaide based NATA accredited laboratory, FMG Research House.

FMG Research House has the ability to undertake any of the following soil and concrete tests to NATA accredited standards:

- Standard/Modified Compaction Testing for Max Dry Density and Optimum Moisture Content
- California Bearing Ratio (CBR) – Soaked and Estimated
- Gradings and Atterberg Limits
- Emerson Dispersion Test
- Soil Suctions
- Soil Permeabilities
- NATA Logging of Soil Cores
- Concrete Core Compressive Strength Testing



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