

**GEOTHETA** (Pty) Limited is a South African registered company offering geotechnical engineering consulting services in:

- Tailings storage and heap leach facilities - design, management, and review. From conceptual design right through to closure. Including monitoring and surveillance, mandatory Codes of Practice and periodic audits
- Mineral reserve determination, pit and quarry design, rock mechanics, pit and quarry construction and management, mandatory Codes of Practice and periodic audits
- Mine waste facilities
- Hazardous and general waste landfill facilities
- Shallow and deep foundation design
- Slope designs and assessments
- Third party reviews



**GEOTHETA** has formed alliances with various other professional persons and companies to offer the full range of services necessary for all geotechnical consulting projects. The parties co-operate on a project-by-project basis.

- Geotechnical and rock design
- Environmental authorisations and amendments
- Slurry and water pump and pipeline design
- Engineering geology and geological investigations and designs
- Technical drawing
- Hydrology
- Geohydrology



### Professional consultants:

- **Ian Hammond** Pr Eng. Principal Engineer. Tailings waste facilities, earth dams, geotechnical structures. Design, construction, operation, surveillance and closure experience since 1986. Includes project management for aspects of mine and other civil development.
- **Tom Verbeek** Pr Eng. Principal Engineer. Road design, geotechnical engineering, tailings facilities, mine infrastructure, project manager and technology support.
- **Nhlanhla Magigaba** Pr Sci Nat. Engineering Geologist. Engineering geological investigations. Construction material investigations. Soil and rock classifications and engineering parameter determination. Foundation design.
- **Jaco Bloem** Pr Sci Nat. Engineering geologist. Foundation investigations, geotechnical design recommendations, foundation designs.

