

Geotechnical Investigation

Geophysical survey, GPR survey, plate load testing, and soil stratification.

Service Overview

Our Geotechnical Investigation team supports foundation design decisions with field-verified subsurface data, including bore-hole investigation, geophysical and hydrological survey, GPR scanning, and plate load testing.

Scope of Work

Bore-hole drilling and Standard Penetration Testing (SPT) · Geophysical and hydrological survey · Ground Penetrating Radar (GPR) survey · Plate load testing · Soil stratification analysis and reporting.

Process

1. Investigation planning based on structural loading requirements. 2. Field drilling and in-situ testing. 3. Laboratory soil analysis. 4. Stratification and bearing capacity assessment. 5. Geotechnical report delivery for design consultant use.

Typical Depth Coverage

Standard bore-hole investigation covers up to 30m depth; deeper investigation is scoped case-by-case based on structural requirements.