

GEOTECHNICAL ENGINEERING

Tectonic has extensive experience in both Geotechnical Design and Construction Phase Engineering in markets such as transportation and infrastructure, energy, institutions and education, retail and commercial land planning and water resources. Our geotechnical engineering capabilities encompass a full range of services that include subsurface investigation; foundation design, soils and rock laboratory testing and construction support.



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Tectonic

PRACTICAL SOLUTIONS. EXCEPTIONAL SERVICE.

CONSTRUCTION PHASE SERVICES:

- Earth Support Systems
- Pile Load Test Monitoring & Evaluation
- Subgrade Evaluations
- Technical Consultation
- Underpinning Systems
- Remote and On-Site Vibration Monitoring
- Inclinator Installation & Monitoring
- Tilt Beams
- Crack and Deformation Monitoring
- Deep Foundation Installation & Monitoring

DESIGN PHASE SERVICES:

- Subsurface Investigations
- Retaining Structures & Underpinning Design
- Ground Improvement & Slope Stabilization
- Dam Engineering
- Foundation Design & Analysis
- Site Specific Seismic Analysis
- Tunnels and Underground Caves
- Ground Improvement Recommendations
- Conventional Modular Soil & Rock Mechanics
- Laboratory Soil Testing