



Client Focused

Worldwide Experience

Innovative, Value Added

Practical Solutions

The Galleries Commercial Residential Development, Squamish, BC for TiGERi Properties Inc



The Galleries is a new 4-storey commercial/residential building covering an area of approximately 440 m² in Squamish, BC. GES completed a geotechnical investigation program, engineering reporting and construction review services. The latter included ground improvement to address seismic liquefaction potential, subgrade preparation, and design & construction review of a reinforced earth retaining wall. Ground improvement was achieved by means of the RIC (Rapid Impact Compaction) technique. Vibration monitoring was carried before and during the RIC works. Post-RIC work included confirmation of the densification of the underlying sand deposits using dynamic cone penetration testing. The reinforced earth retaining wall was up to 4.5 m in height and utilized the Deltalok system with geogrid reinforcement and 'full face wraparound'.



GEOTECHNICAL SERVICES

- Geotechnical Investigation & Foundation Recommendations
- Reinforced Earth Wall Design, Specifications & Construction Review
- Design of Ground Improvement System (Rapid Impact Compaction) & Vibration Monitoring
- Field Reviews (Subgrade & Compaction)
- QA Materials Testing (Soils)