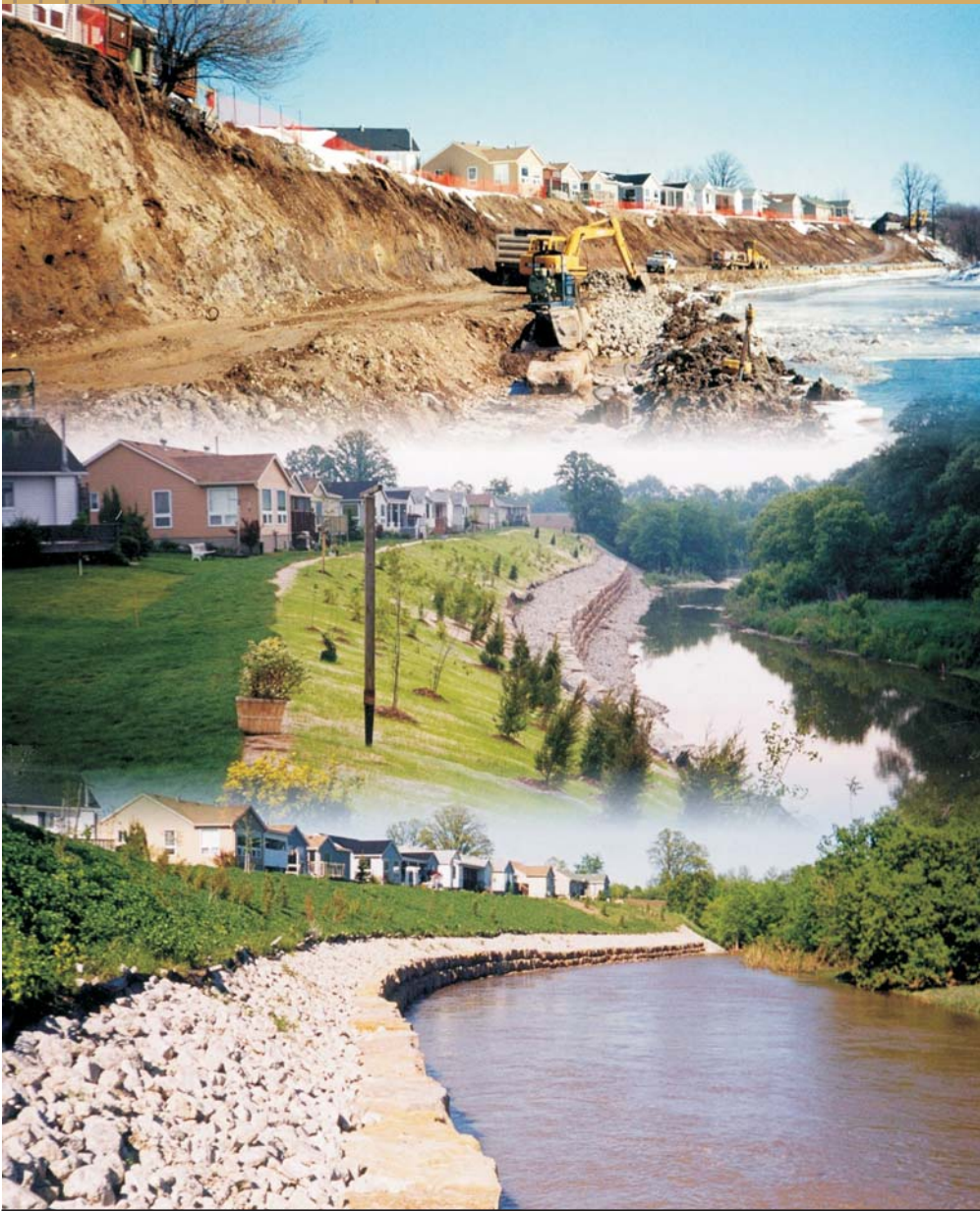
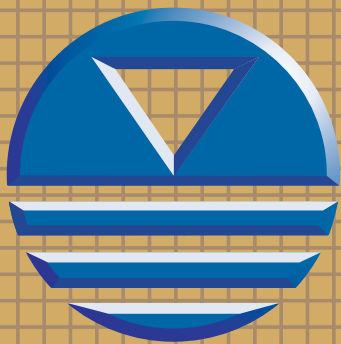


Geotechnical



- **Foundation inspections for buildings, bridges, tanks, towers, and other structures**
- **Subsurface investigations for land development, road construction, and municipal infrastructure (Sewers and watermains)**
- **Pavement design**
- **Slope stability analysis**
- **Stormwater infiltration assessments**
- **Construction dewatering**
- **Aggregate resource evaluations**
- **Geotechnical investigations for trenchless technologies (Tunnelling, directional drilling, jack and boring, pipe jacking, pipe ramming, and micro tunneling)**
- **Deep foundation systems (Driven piles, caissons, and helical piers)**



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Geotechnical investigations are typically conducted to provide subsurface information for design and construction of civil engineering works. The exploration methodology varies from visual observation in test pits to insitu soil property testing in drilled boreholes. The field exploration data is then supplemented by laboratory testing of selected soil samples. The geotechnical reports include detailed soil parameters for foundation design, compaction of excess or cut soil material, and construction issues such as excavation and dewatering requirements.