

CCI's Geotechnical group provides extensive services for use in the design of municipal, forestry and pipeline projects. The gathering of subsurface information during the geotechnical investigation phase is the "foundation" for proper design.



## Geotechnical Engineering Services:

- Site Reconnaissance and Geological Mapping
- Terrain Mapping and Terrain Stability Assessment
- Trenchless Geotechnical Feasibility Assessment
- Mainline Geotechnical Investigation
- Geophysical Investigation
- Installation of Instrumentation (Settlement/Displacement or Slope Stability Monitoring)
- Facility Foundation Investigations
- Geohazard Identification, Assessment and Reporting

## Applications

- Assess the conditions and evaluate engineering properties of soil for:
  - Pipeline ROWs
  - Shallow Pipeline Crossings
  - Shallow Foundations
  - Subgrade Suitability (roads, highways, railways, slabs, etc.)
- Environmental assessment for:
  - HDD Sump Suitability
  - Contamination (Phase II ESA)
- Borrow pit investigations.
- Fencepost installations.
- Investigative Work – Evaluate/determine causes of shallow foundation failures.

## Features

- Observation and sampling of a soil profile up to a depth of 10 m.
- Utilizes 4" solid stem auger with rapid setup capability.
- Interchangeable drill bits to accommodate different soil types.
- Light weight (approx. 2500 lbs) generally conforms to survey access requirements (reduces crossing agreement conditions)
- 6x6 UTV permits access to remote, difficult areas.
- Substitutes need for traditional Dutch (hand) auguring.
- Weather tried and tested in most extreme conditions.
- Environmentally friendly by leaving little to no footprint.
- Transported in enclosed heated trailer.

## Highlighted CCI Services:

Construction Management, Environmental Services, Geotechnical Engineering, HDD Services & Tools, Pipeline & Facilities Engineering, Shore Approach Engineering, Archaeology, Regulatory, Trenchless Design

