

alston associates inc.

consulting engineers

geotechnics
construction materials testing

FIELD INVESTIGATIONS

- Terrier Mini Crawler Rig
- Testing Pitting
- Auger Drilling
- Rock Coring
- Dynamic Cone Penetration Soundings
- Flat Plate Dilatometer Soundings

GEOTECHNICAL ENGINEERING

- Slopes & Embankments
- Retaining Wall Systems
- Shallow & Deep Foundations
- Pavements
- Ground Improvement
- Facility Containment
- Utilities Infrastructure

CONSTRUCTION INSPECTION

- Engineered Fills, Granular Base
- Subgrade Approval
- Excavations & Shoring
- Earthworks
- Aggregate Selection
- Installation of Deep Foundations
- Ground Reinforcement
- Pavement

MATERIALS TESTING

- Concrete Sampling & Testing
- Soil & Aggregate Testing
- Specialized Testing including Consolidation, Direct Shear and Permeability Testing

BUILDING SCIENCES

- Vibration Monitoring
- Pre-Construction Condition Surveys

Founded and incorporated in 1993, by Colin Alston, P.Eng., **alston associates inc.** is a multi-disciplinary company that provides consulting geotechnical design, field and laboratory materials testing and construction inspection services throughout Ontario.

alston associates inc. firmly believes that the preparation of geotechnical design should be based on the best quality data. The focus of the design is to provide an efficient, economical solution for the project in hand which is tailored to the Client's specific needs. We specialize in using refined in situ testing techniques such as the Marchetti Flat Plate Dilatometer and soundings advanced with automatically activated dynamic probing equipment to supplement conventional site procedures and thus acquire the highest quality site data.



We have comprehensive laboratory testing equipment for both small displacement and high displacement shear strength measurements, permeability tests and bentonite content, as well as equipment for routine tests.

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