



www.cticompanies.com

Geotechnical Services

Protecting, Enhancing, and Restoring our Environment

Creating solutions and delivering results since 1976

CTI AND ASSOCIATES, INC. (CTI) is a multi-disciplinary engineering and construction firm specializing in Geotechnical Analysis and Design, Civil/Site Construction, and Construction Management Services. Our technical diversity, coupled with the keen ability to integrate planning, analysis, engineering design, construction, and operation services, allows us to provide project solutions that consistently meet and exceed the expectations of our clients. CTI's more than four decades of proven performance in the federal, state, municipal, and commercial market sectors is a true testament to our ability to deliver safe, reliable, and cost-competitive services, on schedule and within budget. Over the past decade, CTI has successfully executed more than \$100M in indefinite delivery / indefinite quantity (IDIQ) Task Orders and project-specific contracts in support of the US Army Corps of Engineers (USACE), Naval Facilities Engineering Command (NAVFAC), Air Force Civil Engineer Center (AFCEC), and US Department of Energy (DOE).

GEOTECHNICAL SERVICES

- Site Investigation
 - Drilled Borings
 - Test Pits
 - Geophysical Methods
- Soil Classification
- Bearing Capacity
- Stormwater Infiltration Rate
- Pavement Section Design
- Groundwater Evaluation
- Settlement Analysis
- Ground Improvement Engineering
- Foundation Engineering
- Slope Stability Analysis
- Design of Reinforced Slope and Earthen Retaining Systems
- Deep Foundation Design, Inspection, and Load Testing
- Airport, Highway, Municipal, Utility Experience

CONSTRUCTION SUPPORT SERVICES

- Quality Control / Quality Assurance
- Monitoring, Observation, and Inspection
- Construction Plans
 - Utilities
 - Roadways
 - Drainage
- Cut Slope and Trench Wall Stability Evaluation
- Retaining Walls
 - Reinforced Concrete
 - Block / Gabion
 - Earthen Embankments
- Soft Soil Mitigation

Corporate Headquarters

34705 West Twelve Mile Road, Suite 230
Farmington Hills, MI 48331

Krisi Staten, Senior Project Manager
kstaten@cticompanies.com

Chris Park, PE, PMP, Senior Engineer
cpark@cticompanies.com



www.cticompanies.com



Geotechnical Services Representative Experience

PennDot I-99 Slope Protection

Designed/inspected construction of unique geosynthetic system, covering 1.5M ft² of steep exposed acid rock slope preventing rainwater from leaching acid and metals into local drinking water and wildlife habitat.



Geotechnical Evaluation at Y12 National Security Complex

Performed a geotechnical evaluation of the geosynthetic components of the multi-layer system for landfill bottom liner system and leachate collection system.



Landfill Closure Design at Lone Star Army Ammo Plant

Performed geophysical and intrusive investigations, engineered a RCRA-compliant landfill cap, developed closure plans consistent with TECQ requirements.



Representative Clients



Office Locations

- Farmington Hills, MI (Headquarters)
- Aiken, SC
- Akron, OH
- Knoxville, TN
- Los Alamos, NM
- Idaho Falls, ID
- Oak Ridge, TN
- Sheboygan, WI

CTI's Federal Footprint

