IN-PLACE FIELD DENSITY **TESTING**

KU Resources' team of professionals has the experience and capabilities to perform in-place field density testing services during various earthwork projects. These projects include general site grading (cut/fill), slope/keyway construction, building pads, and roadways. Various soil types, including sand, silts, clay, and rock, can be tested.

By utilizing a Troxler® Nuclear Density Gauge, technicians can determine both the moisture content, as well as the density determination of the soil. Field density testing is the industry standard for quality assurance and quality control (QA/QC) during earthwork projects. QA/QC testing of soils during earthwork is a critical step in the site development process; and can minimize potential problems such as landslides, road and building settlement, slope cracking or sloughing, and foundation failures.

SITE DEVELOPMENT SERVICES

- In-place soil field density testing
- Foundation inspections
- Sample collection
- Laboratory testing
- Roadway profiling

CIVIL AND GEOTECHNICAL ENGINEERING SERVICES

- Subsurface exploratory investigations
- Geotechnical evaluations
- Shallow foundation design
- Piles, caissons, and deep foundations
- Retaining wall design
- Slope stability/landslide assessments
- Settlement and bearing capacity evaluations
- Subsidence prediction and mitigation engineering
- Roadbed and pavement design
- Structural assessments
- Specifications and bid document preparation
- Construction management, QA/QC, and certification services
- Grading plans
- Site layout and utilization planning
- Utility plans
- Storm water management planning and permitting
- Erosion and sediment control plans
- Wetland mitigation
- Environmental assessment
- Stream crossing and encroachment permitting
- Specifications preparation and construction packages
- Municipal and regulatory permitting