GEOTECHNICAL CONSULTING **SERVICES**

KU Resources' team of professionals specializes in geotechnical issues ranging from exploratory investigations to slope stability to dam design. Our vast experience and knowledge in geotechnical issues allows us to develop practical and effective solutions for our clients.

The science of geotechnical engineering is based on understanding the properties and behavior of water, soil, and rock when outside factors are introduced through development or changed conditions. We specialize in using these properties under various conditions including foundation support, stability, subsidence, and other factors that affect both maintaining and developing properties. We also understand the conditions that may induce problems and failures in existing developments, historical structures, and long-term planning.

Our geotechnical services are a blend of engineering and geosciences directly geared towards clients interested in evaluating the conditions of their site. Our skills and experience allow us to offer services from the initial investigation of the site through final design and implementation.

GEOTECHNICAL CONSULTING SERVICES

GEOTECHNICAL INVESTIGATIONS

- Exploratory investigations
  - Soil/bedrock coring
  - Air rotary
  - Hollow-stem augering
  - Solid-stem augering
  - Geoprobe
  - ODEX
  - Sonic
- Soil and rock sampling and characterization
- *In-situ* strength evaluations
- Well and piezometer installation geotechnical engineering
- Landslide assessment and remediation
- Retaining walls and structures
- Dam design and permitting
- Shallow foundations
- Piles and caissons
- Soil and rock anchors
- Slope stability
- Settlement and bearing capacity assessments
- Subsidence evaluation and control
- Subgrade evaluation
- Pavement design
- Grading plans
- Specifications and bid document preparation