

Geotechnical Engineering

Draper Aden Associates is recognized as a leader in sophisticated geotechnical explorations and analyses. The stability of the foundation of a building, bridge, pavement section, or any other structure built on soil depends on the characteristics of the subsoil. Our geotechnical engineering team includes professional engineers, LEED® APs, certified field technicians, and a testing laboratory qualified by the U.S. Army Corps of Engineers to perform soil and materials testing. We plan and execute subsurface explorations to fit your project needs and cost constraints.



Geotechnical Engineering is the foundation on which all constructed facilities bear.

Hidden structures beneath the soil can also be an obstacle to creating a solid foundation, or delay project construction, create unforeseen change orders, and pose a hazard to people and the environment. In collaboration with our in-house geophysicists, field seismic and electrical surveys and ground penetrating radar screens are used to economically identify rock, sinkholes, tanks and other hidden structures.

Once the field study yields critical site characteristics, our geotechnical team will evaluate the unique conditions and challenges of the site and provide foundation solutions tailored to our individual client's needs. Our experienced geotechnical staff has routinely recommended cost saving measures and value engineered hundreds of projects saving our clients money. With broad experience in the design of shallow and deep foundation systems and integration of subgrade densification and intermediate foundation systems, we strive to cultivate the most efficient foundation solution.

Our broad range of geotechnical experience includes residential and commercial buildings, government facilities, slope evaluation, transportation structures, pavement design and more. Coupled with our construction inspection services, Draper Aden Associates can provide the assurance that our design is implemented in the manner that it was intended.

Contact us at daa@daa.com for more info.

- Site Investigations
- Foundation Design
- Slope Stability Studies
- Earth Retaining Structures
- Pavement Design
- Sport Facility Design
- Dam Assessments
- Shrink/Swell Soil Studies
- Foundation Distress Studies
- Foundation Crack Monitoring
- Borrow Source Studies
- Earth Work Recommendations
- Railway Design
- LEED® Considerations
- Subsurface Geophysical Investigations

