

Geotechnical Engineering Services



Bioengineering
GROUP

Building Sustainable Communities
on an Ecological Foundation

Bioengineering Group maintains an outstanding team of geotechnical engineers who provide design and construction phase geotechnical services for a variety of private and public sector projects. Our broad experience allows us to develop site-specific solutions to below-grade design and construction projects. From preliminary site evaluation through completion of construction, we focus on technically-sound and cost-effective solutions to meet our clients' needs. Our engineers are experienced in a wide range of geotechnical engineering applications.

Design Services

- Design and oversight of subsurface exploration and laboratory testing programs
- Interpretation of subsurface conditions and soil profiling
- Foundation design (footings, piles, caissons, mats)
- Settlement, seepage, and slope stability analysis
- Retaining walls
- Underpinning
- Excavation support
- Earthwork
- Dewatering and groundwater control
- Subgrade preparation
- Ground improvement
- Foundation and underslab drainage systems
- Pile load testing and analysis
- Instrumentation
- Preparation of geotechnical engineering reports
- Technical specifications and contract documents
- Cost estimates

Construction Related Services

- Pre-bid conferences
- Bid review and contractor selection
- RFI and submittal review
- Construction monitoring
- Field reporting

Other

- Design-build services
- Integrated geotechnical/structural/civil design
- Geothermal system design
- Flood protection infrastructure
- Low impact and sustainable design
- Forensic engineering and expert witness testimony



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