

Civil Engineering

Engineering | Planning | Environmental



BREC's civil engineering service offerings focus on the design, construction, and maintenance of the physical and naturally built environments. Our staff is qualified and licensed (multiple states) in a number of different disciplines. From site design to stormwater planning, we have the expertise and understanding to produce high quality designs with the utmost professional reliability.

BREC staff is experienced in undertaking the most complex and detailed projects. We pride ourselves in staying on the cutting edge of new techniques and design approaches.

The BREC site development team prides itself on designing high-quality projects, including athletic facilities and stadiums, hospitals, industrial parks, educational facilities, correctional and institutional facilities, airports, retail, office and mixed-use spaces, and more. The engineers at BREC work closely with clients to ensure the client's vision is achieved while maintaining the integrity of the design and keeping cost in consideration. Our site development team offers a full-range of services from the design development, to surveying, to grading, to stormwater management, to construction administration to ensure each project reflects the client's vision.

BREC provides the following Civil Engineering Services:

- Transportation Engineering
- Residential Subdivisions
- FEMA Flood Studies and No-Rise Certifications
- Commercial and Industrial Site Planning
- Stream Restoration
- Site Planning
- Erosion and Sediment Control Plans
- Retaining Walls
- Dam Design
- Water Resources Engineering
- Geotechnical Engineering
- Roadway Design
- Stormwater Pollution Prevention Plans
- Forensic Engineering and Due Diligence
- Expert Witness Testimony
- Disaster Relief and Mitigation
- Construction Oversight and Contract Administration
- Record Drawings and Certifications
- Bio-Engineering
- Stream Restoration and Stabilization
- Site Master Planning
- Site Development Design
- Plan Design and Implementation
- NCDOT Level I, II, III Certified
- Violation Resolution
- Plan Compliance and Monitoring
- NCDOT - Prequalified Sub Contractor