



CONTOUR ENGINEERING, LLC

“We are currently using Contour Engineering for both earthwork and building materials testing. I have used them on a number of projects over the past several years because they are very thorough, competent and practical. Unlike some firms, Contour Engineering spends the owner's money like they would their own. For example, **Contour's staff offered innovative alternatives for soil conditions at our site that ultimately resulted in a \$170,000.00 savings.**”

“We have had the pleasure of working with the principals of Contour Engineering for several years on a variety of project types. Contour's experienced staff continues to provide proactive recommendations and responsive documentation of Geotechnical, Environmental, and Material Testing Services throughout the Design, and Construction of our projects.”

Contact Us

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Who we are

Contour Engineering, LLC (Contour) specializes in geotechnical engineering, environmental/natural resource consulting, and construction materials testing services. Operating from our Atlanta, Georgia, and Birmingham, Alabama offices, Contour Engineering's staff consists of qualified and experienced engineers, environmental scientists, ecologists, and geologists. Our professional staff possesses registrations within their disciplines.

The job of Contour is to act as your advocate and identify issues long before they become a costly problem. Our commitment to this principle will help our clients avoid unnecessary delays with their projects. We strive to provide the best service and technical expertise to meet project needs.

Geotechnical ENGINEERING

ENGINEERING SERVICES:

- Geotechnical Explorations
- Site Specific Seismic Hazard Analysis
- Segmented Retaining Wall Design
- Bridge Foundation Investigations
- Property Condition Assessments (PCA)
- Pavement Design/Evaluation
- Pile/Caisson Foundation Design

ENGINEERING ANALYSIS & DESIGN SERVICES:

- Settlement and or Expansion Magnitude/Rate Evaluation
- Bearing Capacity Determination
- Pile and Pier Foundations
- Earth Retaining Structure Design Criteria
- Excavation Support Systems
- Groundwater Control and Dewatering Systems
- Seismic Response and Susceptibility
- Earth Pressures for Retaining Structures
- Pavement Thickness Design Criteria
- Design Options
- Mechanically Stabilized Earth Walls

SITE EVALUATION SERVICES:

- Alternative site or route studies
- Definition of Critical Geotechnical Parameters
- Comparative Site Evaluation
- Seismic Risk Analysis and Liquefaction Potential
- Slope Stability Analysis
- Groundwater Evaluation
- Laboratory Testing
- Rock Profiling

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Environmental SERVICES

ENVIRONMENTAL CONSULTING SERVICES

Environmental Site Assessments:

- ASTM E-1528 Environmental Transaction Screens
- Baseline Environmental Assessments
- Phase I Environmental Site Assessments
- National Environmental Policy Act (NEPA) Audits
- Georgia Environmental Policy Act (GEPA) Audits
- Environmental Impact Statements / Reports (EIS/EIR)

Subsurface Investigations:

- Phase II Site Investigations
- Petroleum-Hydrocarbon Contamination Assessments (Soil/Groundwater)
- Hazardous Substance Contamination Assessments (Soil/Groundwater)
- Temporary/Permanent Groundwater Monitoring Well Installation
- Soil / Groundwater Assessments
- Hazardous Site Response Act (HSRA) Assessment, Scoring, and Reporting
- Compliance Status Reports / Corrective Action Plans
- Brownfield Assessments and Coordination

INDUSTRIAL HYGIENE SERVICES

Asbestos-Containing Materials / Lead-Based Paint Assessment Services:

- Preliminary Asbestos-Containing Material Screening
- Comprehensive Asbestos-Containing Materials (ACM) Surveys
- ACM Identification / Quantification
- NIOSH 582 Air Monitoring, Analysis, and Project Oversight
- Lead-Based Paint (LBP) Screening and Surveying

NATURAL RESOURCE CONSULTING SERVICES

Waters of the U.S. / State Water Assessments:

- Preliminary Wetland / State Water Assessments
- Wetland Identification & Delineation (1987 USCAE Manual)
- USACE & Issuing Authority Coordination/Negotiation

Section 404 of the Clean Water Act (CWA) Federal Permitting Services:

- Nationwide Permit (NWP) Preparation / Planning / Negotiating
- Individual Permit (IP) Preparation / Planning / Negotiating
- Threatened & Endangered Species Assessments (TESS)
- Terrestrial / Aquatic Species

Mitigation Planning Services:

- Mitigation Banking / Planning
- Wetland Creation / Restoration / Enhancement / Monitoring
- Streambank Restoration / Design

Underground Storage Tank Assessments:

- Underground Storage Tank Assessments
- Underground Storage Tank Closures
- Corrective Action Plan Preparation (CAP A/B)
- Soil and Groundwater Remediation and Assessment Services

Materials Testing

CMT SERVICES

- Earthwork Observation / Testing
- Asphalt Observation, Coring, and Testing
- Structural Steel Observations
- Concrete Observation / Testing
- Masonry Wall Observation / Testing
- Asphalt, Concrete, and Soils Laboratory
- Post Tensioned Concrete Observation
- Floor Flatness Testing

STORM WATER DISCHARGE (NPDES) MONITORING SERVICES:

- Comprehensive Monitoring Program Preparation
- Site Inspection by Qualified Persons
- Automated Sampling
- Turbidity Testing

NPDES STORM WATER COMPLIANCE SERVICES:

- Notice of Intent (NOI) Preparation
- Comprehensive Monitoring Programs (CMPs)
- Storm Water Discharge Sampling, Monitoring, and Reporting
- Daily Site Inspections & Reporting
- Notice of Termination (NOT) Preparation

LABORATORY TESTING SERVICES:

- Moisture / Density Determination of soils (Proctor Tests)
- Compressive Strength of Concrete Cylinders
- Grout and Mortar Testing
- Determination of Index Properties of Soil and Aggregates
- Asphalt Thickness and Density Determination

Contour Engineering, LLC
is AASHTO Certified

FIELD OBSERVATION & TESTING SERVICES:

- Structural Earth Fill Placement
- In-place Density Determination
- Driven Pile and Drilled Pier Observations
- Spray-Applied Fireproofing
- Foundation Testing
- Quality Control Testing
- Quality Assurance Testing
- Non-Destructive Testing
- Concrete Reinforcing Bars
- Structural Steel
- Bolted Connections
- Welded Connections
- Floor Flatness
- In-place Concrete Strength Testing
- Anchor Tension Testing
- Post Tension Observation Testing