

❖ OIL AND GAS INDUSTRY SERVICES

Triad offers a full range of professional services for our energy clients. With more than 36 years of experience throughout the Marcellus and Utica Shale Fairways, Triad Engineering is here to listen, design practical solutions and deliver results for oil and gas industry clients. Triad offers a full range of services including geotechnical and civil engineering and design, environmental consulting, surveying and mapping, subsurface investigations, construction layout, contractor oversight, construction monitoring and materials testing, as well as a staff of professionals who understand the needs and goals of the industry during this time of rapid development.

▾ Surveying and Mapping Services

- Underground Mine Map Research
- Survey Location to Correlate Underground Mine Workings
- Preparation of Well Plats and Lease Boundaries
- Topographic and Planimetric Surveys
- Construction Surveys including Layout of Work, Establishment of Baseline, Sections and Structure Monuments
- Quantity Determination Surveys
- Property Surveys for Both Private and Corporate Clients, including Title Research, Report of Survey, Legal Descriptions and Corner Monumentation
- Mortgage Surveys
- ALTA/ACSM Surveys
- Flood Elevation Certificates
- Utility Line Location and Right of Way Surveys

▾ Civil Engineering

- Roadway Condition Surveys/Monitoring
- Roadway Repair/Upgrade Design
- General Site Design
- Utility Design
- Storm Water Management Design
- National Pollutant Discharge Elimination System (NPDES) Permitting
- Best Management Practice Design (BMP)
- Well Pad Design
- Erosion and Sediment Control Design and Oversight
- Project Management and Cost Estimating
- Conceptual Design, Planning and Landscape Architecture

▾ Environmental Services

- Drinking Water Well Survey and Sampling (Pre-and Post-Drilling)
- Phase I & II Environmental Site Assessments
- Analytical Data Validation
- Permitting / Regulatory Compliance
- Water Quality Surveys (Pb, Cu, Cl, etc.)

- Petroleum Storage Tank Release Assessment and Cleanup Through State Programs
- Brownfields Assessment and Remedial Design
- Groundwater, Soil, and Surface Water Sampling
- Groundwater Contamination Studies
- Corrective Action Plans, Remedial Design, and O&M
- Spill Prevention, Control and Countermeasures (SPCC) plans
- Wetland and Forest Stand Delineations
- Storm Water Pollution Prevention Plans (SWPP)

▾ Geotechnical Engineering

- Shallow and Deep Foundation Evaluations
- Flexible and Rigid Pavement Design
- Foundation Recommendations
- Foundation Underpinning Recommendations
- Shored and/or Braced Excavation Evaluations
- Earth and Earth/Rock Dam and Embankment Design
- Retaining Wall Design and Evaluation
- Subsidence Investigations
- Forensic Investigations
- Slope Stability Analyses
- Ground Penetrating Radar (GPR)

▾ Construction Testing and Inspections

- In-Place Density Testing
- Laboratory Materials Testing
- Field Quantity Estimates and Verification
- Inspection of Deep Foundations, including: Driven Piles, Caissons and Auger Cast Piles
- Footing Inspection and Bearing Capacity Evaluation
- Field Concrete Testing and Sampling, including: Coring, Windsor Probe, and Rebound Hammer Testing
- Steel Inspection, including Bolt Torque, Visual Weld Inspection and Dye Penetrant Testing
- Construction Monitoring and Pipeline Construction Inspection
- Monitoring of Pits and/or Impoundments



Athens, OH
1005 East State Street
Suite 2
Athens, Ohio 45701
740-249-4304

St. Albans, WV
4980 Teays Valley Road
Scott Depot, WV 25560
304-755-0721

Morgantown, WV
219 Hartman Run Road
Morgantown, WV 26505
304-296-2562

Greensburg, PA
125 Hartman Road
Suite C
Greensburg, PA 15601
724-832-9870

Hagerstown, MD
1075-D Sherman Avenue
Hagerstown, MD 21740
301-797-6400