

**Statement of Qualifications
Consulting Engineering Services**



4414 Teays Valley Rd.
P.O. Box 346
Scott Depot, WV 25560

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PURCHASING DIVISION
STATE OF WV

Brownton (McCord) Landslide/Portal Project
Barbour County, West Virginia
WV Department of Environmental Protection

January 21, 2009



January 21, 2009

Mr. Chuck Bowman
Purchasing Division
P.O. Box 50130
2019 Washington Street East
Charleston, West Virginia 25305-0130

**Reference: Expression of Interest
A&E Services for Brownton (McCord) Landslide Project
DEP 14515**

Dear Mr. Bowman:

Please accept this letter and the enclosed Statement of Qualifications as Randolph Engineering's expression of interest to provide professional consulting engineering services for the design of stabilization measures for the Brownton (McCord) Landslide Project in Barbour County, West Virginia.

Randolph Engineering has successfully completed numerous projects for the WVDOT, U.S. General Services Administration as well as our private and municipal clients with a focus on quality, cost and schedule. We have extensive experience in earthmoving, storm water analysis, site development and construction administration projects throughout West Virginia. This experience gives us a unique insight into a project of this scope and complexity.

We have developed a reputation for providing our clients with innovative solutions for unique and challenging projects. From fast track schedules and restrictive budgets to complex engineering problems we strive to deliver the project in a manner that exceeds our clients' expectations.

Currently our overall workload is light thus providing us a tremendous opportunity to provide professional services to successfully complete this project.

We appreciate your consideration of our qualifications as a candidate for selection to provide consulting engineering services and look forward further outlining our qualifications during the interview process.

Sincerely Yours,
Randolph Engineering

A handwritten signature in cursive script that reads 'Roger K. Randolph'.

Roger K. Randolph, P.E., P.L.S.
Enclosure

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section 1

PROPOSAL DOCUMENTS

TITLE PAGE

RFP SUBJECT: The design and contract administration for the reclamation and storm water management for the Brownnton (McCord) Drainage/Portal Project in Barbour County, WV.

RFP NUMBER: DEP14515

BIDDER NAME: Randolph Engineering Co., Inc.

BIDDER ADDRESS: 4414 Teays Valley Road
Post Office Box 346
Scott Depot, WV 25560

BIDDER PHONE NO.: (304) 757-9217

BIDDER CONTACT: Roger K. Randolph, P.E.


Signature

DATE: January 15, 2009



State of West Virginia
 Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

Request for Quotation

| |
|------------|
| RFQ NUMBER |
| DEP14515 |

| |
|------|
| PAGE |
| 1 |

| |
|--|
| ADDRESS CORRESPONDENCE TO ATTENTION OF |
| CHUCK BOWMAN 304-558-2157 |

RFQ COPY
 TYPE NAME/ADDRESS HERE

RANDOLPH ENGINEERING
 4414 TEAYS VALLEY RD
 SCOTT DEPOT, WV 25560

ENVIRONMENTAL PROTECTION
 DEPARTMENT OF
 OFFICE OF AML&R
 601 57TH STREET SE
 CHARLESTON, WV
 25304 304-926-0499

| | | | | |
|--------------|---------------|----------|--------|---------------|
| DATE PRINTED | TERMS OF SALE | SHIP VIA | F.O.B. | FREIGHT TERMS |
| 12/17/2008 | | | | |

BID OPENING DATE: 01/21/2009 BID OPENING TIME 01:30PM

| LINE | QUANTITY | UOP | CAT NO | ITEM NUMBER | UNIT PRICE | AMOUNT |
|--|----------|-----|--------|-------------|------------|--------|
| 0001 | 1 | JB | | 906-29 | | |
| <p>BROWNTON (MCCORD) LANDSLIDE DESIGN</p> <p>EXPRESSION OF INTEREST</p> <p>THE WEST VIRGINIA PURCHASING DIVISION, FOR THE AGENCY, THE WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, IS SOLICITING EXPRESSIONS OF INTEREST FOR PROFESSIONAL ENGINEERING DESIGN SERVICES AND CONSTRUCTION MONITORING SERVICES AT THE BROWNTON (MCCORD) LANDSLIDE PROJECT IN BARBOUR COUNTY, WV, PER THE FOLLOWING BID REQUIREMENTS AND ATTACHED SPECIFICATIONS.</p> <p>BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THIS CONTRACT IS AUTOMATICALLY NULL AND VOID AND IS TERMINATED WITHOUT FURTHER ORDER.</p> | | | | | | |
| <p>***** THIS IS THE END OF RFQ DEP14515 ***** TOTAL: _____</p> | | | | | | |

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

| | | |
|-----------------------------------|---------------------------|-----------------------------------|
| SIGNATURE <i>Mogul Kanelop</i> | TELEPHONE 304.757.9217 | DATE 1/10/08 |
| TITLE PRESIDENT | FEIN 550588736 | ADDRESS CHANGES TO BE NOTED ABOVE |

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

RANDOLPH ENGINEERING CONTACT INDIVIDUALS*

Roger K. Randolph, P.E., President
P. O. Box 346
Scott Depot, WV 25560
(304) 757-9217

Aaron C. Randolph, P.E., Secretary
P. O. Box 346
Scott Depot, WV 25560
(304) 757-9217

Vendor Registration No. 55-058-8736

*Persons authorized to conduct negotiations and contractually sign for Randolph Engineering Co., Inc.

STATE OF WEST VIRGINIA
Purchasing Division**PURCHASING AFFIDAVIT****VENDOR OWING A DEBT TO THE STATE:**

West Virginia Code §5A-3-10a provides that: No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owed is an amount greater than one thousand dollars in the aggregate.

PUBLIC IMPROVEMENT CONTRACTS & DRUG-FREE WORKPLACE ACT:

West Virginia Code §21-1D-5 provides that: Any solicitation for a public improvement construction contract shall require each vendor that submits a bid for the work to submit at the same time an affidavit that the vendor has a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the West Virginia Code. A public improvement construction contract may not be awarded to a vendor who does not have a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the West Virginia Code and who has not submitted that plan to the appropriate contracting authority in timely fashion. For a vendor who is a subcontractor, compliance with Section 5, Article 1D, Chapter 21 of the West Virginia Code may take place before their work on the public improvement is begun.

ANTITRUST:

In submitting a bid to any agency for the state of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the state of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the state of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the state of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership or person or entity submitting a bid for the same materials, supplies, equipment or services and is in all respects fair and without collusion or fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

LICENSING:

Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agencies or political subdivision. Furthermore, the vendor must provide all necessary releases to obtain information to enable the Director or spending unit to verify that the vendor is licensed and in good standing with the above entities.

CONFIDENTIALITY:

The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures and rules. Vendors should visit www.state.wv.us/admin/purchase/privacy for the Notice of Agency Confidentiality Policies.

Under penalty of law for false swearing (West Virginia Code §61-5-3), it is hereby certified that the vendor acknowledges the information in this said affidavit and is in compliance with the requirements as stated.

Vendor's Name: Randolph Engineering Co., Inc.

Authorized Signature: 

Date: 9/29/08

section 2

TECHNICAL PROPOSAL

Introduction to Randolph Engineering Co., Inc.

Randolph Engineering is a multi-disciplined consulting engineering firm in Teays Valley, West Virginia. The company recently celebrated 30 years of providing innovative engineering solutions to a variety of clients ranging from municipalities and government agencies to private land developers.

Randolph's success is the result of outstanding client service and satisfaction.

Our history

The company was founded by Roger and Grace Randolph in 1976, and from a modest beginning has grown into an award-winning regional engineering firm. Our attention to detail and commitment to client satisfaction have generated repeat and referral clients, some of whom have been with us since our inception.

Roger Randolph maintains an active role as project manager on a variety of municipal, structural and land development projects. His wealth of knowledge and experience is a valuable asset to the company's next generation of engineers and designers.

Building on success

Randolph Engineering is situated in one of West Virginia's fastest-growing areas – a location that has afforded the opportunity to diversify into a full-service engineering firm. We offer an array of services including transportation engineering; municipal engineering; land development and surveying; structural engineering; building engineering; and construction engineering.

One of our keys to success is the reliability and stability provided by our employees' loyalty and longevity. Many of our staff members have worked with Randolph for more than 25 years, with a number of others approaching that milestone.

Our projects

Our variety of clients and engineering projects creates interesting and unique challenges for the engineers and designers at Randolph Engineering. Some of our notable projects include the award-winning Jackson's Mill Bridge for the West Virginia Division of Highways; site improvements and plant expansions for Toyota Motor Manufacturing; complete renovation and expansion of the City of Hurricane wastewater treatment plant; site designs for some of the largest retailers in the United States; and site designs for large, single- and multi-family residential subdivisions, townhouses and apartment complexes, including a 250-unit gated community near Charleston, W.Va.

Looking to the future

Successful projects such as these and an unending commitment to client satisfaction paint a bright picture for our future. We look forward to overcoming even more engineering challenges and continued growth for the next 30 years.

General Experience and Capabilities

While we have no direct AML project experience, we have successfully completed projects for local municipalities as well as private clients that encompass most of the tasks required for this work. Two of our most recent projects include the Storm Water Analysis for Toyota Motor Manufacturing and the Town of Buffalo Storm Water Outfall project. Both of these projects posed significant challenges for the design team including flat terrain, archaeological sites, erosion control and restrictive right-of-way.

In addition to these two notable projects, we have more than 30 years of experience in storm water management, earthmoving, permitting and domestic utility design for various subdivisions, commercial and industrial sites and West Virginia Department of Transportation.

The staff at Randolph Engineering who are assigned to provide the engineering design services for this project include three (3) professional engineers registered in West Virginia, two (2) professional surveyors registered in West Virginia as well as various senior level designers, CADD technicians and survey personnel.

Key staff members are listed as follows:

| | |
|---------------------------------|--|
| Roger K. Randolph, P.E., P.L.S. | (West Virginia, Kentucky, Ohio, Indiana, Illinois) |
| Aaron C. Randolph, P.E., S.I. | (West Virginia) |
| Jacob White, P.E. | (West Virginia, Virginia) |
| Donald Hayes, P.L.S. | (West Virginia) |
| Larry Stricker, Designer | |
| Max Dent, Designer | |

Resumes for these team members can be found in Section 4 of this prospectus.

Relevant Project Experience

Some of the notable projects designed recently by Randolph Engineering include:

- Town of Buffalo Storm Water Outfall Project
- Toyota Motor Manufacturing Storm Water Analysis
- Poplar Fork Flood Mitigation Project
- Finney Branch Spillway Project

Project descriptions of these projects can be found in Section 3 of this prospectus.

Surveying and Mapping

Randolph Engineering maintains a fully equipped survey crew managed by a professional surveyor and supported by survey design staff. We utilize the latest in surveying technology including GPS surveying equipment. We generate our own contoured mapping for small to intermediate projects and utilize an aerial mapping sub-consultant if the project size or economics dictate that we do so.

Design Engineering and Contract Document Preparation

Randolph Engineering maintains and utilizes the latest versions of Autocad and Microstation running on high-end computers linked to a central server for plan development. We utilize high speed printers and large format plotters for document output.

Office Location

All work for this project will be performed from our office located in Scott Depot, West Virginia.

Cost Accounting Information Statement

Randolph Engineering maintains a cost accounting system that is capable of segregating and identifying accumulating costs for each project.

Subconsultants

Novel Geo-Environmental, PLLC has agreed to be a sub-consultant for this project. They will provide soil analysis, environmental analysis and geotechnical engineering for this project. A company profile, CCQQ and employee resumes can be found in Section 5 of this prospectus.

Qualifications of Personnel

Randolph Engineering's most valuable resource is its people. For more than 30 years our talented staff has provided engineering solutions to some of our client's most challenging projects. One key to our success has been reliable and consistent staffing. Key members of our staff have more than 27 years of experience with the company. This along with several members with 11 years of experience and others approaching this milestone affords our clients a sense of stability.

Our engineers are well versed in storm water design requirements, earthmoving and permitting as well regulatory agency rules and regulations. Additionally, we encourage our engineers and design staff to further their education and experience through the attendance of design seminars, product seminars and other outside training opportunities.

Corporate Specialized Experience

As stated previously, Randolph Engineering has extensive experience with projects of similar size, scope and complexity. We have worked with local developers, municipalities, other engineering companies as well as the West Virginia Department of Transportation on numerous storm water management, earthmoving and permitting projects. This wide range of experience gives us a unique insight into this type of project.

Management Plan

The management plan and staffing responsibilities will be as follows:

- Project Manager, Roger K. Randolph, P.E., P.L.S.
Mr. Randolph will serve as project manager for this project and will be responsible for the following aspects of the project:
 - Client Liaison
 - Resource Allocation
 - Project Supervision
 - Progress Reports
 - Quality Assurance
 - Project Schedule
 - Project Budget

- Design Engineers, Aaron C. Randolph, P.E., Jacob C. White, P.E.
Mr. Randolph and Mr. White will serve as project design engineers and will be responsible for the following aspects of the project:
 - Civil Engineering
 - Hydraulic Study and Analysis
 - Permitting
 - Erosion Control Design
 - Planning
 - Staff Coordination
 - Plan Review and QA/QC

- Designers, Larry Stricker, Max Dent,
Mr. Stricker and Mr. Dent will serve as project CADD designers and will be responsible for the following aspects of the project:
 - Plan Development
 - Project Specifications
 - Quantities
 - Cost Estimates
 - Printing

- Surveying, Don Hayes, P.L.S., Stacey Call, S.I.
Mr. Hayes and Mr. Call will serve as project surveyors and will be responsible for the following aspects of the project:
 - Survey Management
 - Topographic Mapping
 - Construction Stakeout
 - Property Research

Resource Allocation

Randolph Engineering, as with all of our clients, is committed to providing professional engineering services to the state of West Virginia. We will commit the required staff, equipment and materials to accomplish the goals set forth for this project in a timely and cost effective manner.

Schedule and Budget Control

We have a long history of completing projects within budget and time constraints. With a large client base of private clients, schedule, budgets and fees can quickly become make-or-break issues with regard to the feasibility of a project. Our project managers are experienced and well versed in meeting project schedules with budget constraints in mind. Additionally, Randolph Engineering is a West Virginia licensed contractor. This gives us a unique insight into potential economies within a project that may benefit our clients.

section 3

REPRESENTATIVE PROJECTS

project

Toyota of West Virginia – Storm Water Analysis

Putnam County, West Virginia



Client

Toyota Motor Manufacturing, WV, Inc
1 Sugar Maple Lane
Buffalo, West Virginia 25033

Contact

Mr. Lyndon Jones
304.937.7299

Nature of Work

The goal of this project was to develop a baseline storm water analysis that would encompass the developed areas of the site including various plant expansions to be used in planning future plant expansions.

Project included an overall hydraulic study and analysis of the existing storm water system at the plant to determine the capacity for future expansion of the plant. Additionally, the project included an as-built field survey of the existing system and through the use of various stand-alone expansion drawings developed of a master set of storm water drawings.

Upon completion of this phase the scope of the project was expanded to include the design for increasing the capacity of the existing storm water detention pond to accommodate future plant expansion. A new detention pond was designed adjacent to the existing pond and provided an additional 392,000 C.F. of storage.

Key Personnel

Project Manager – Roger K. Randolph, P.E.
Design Engineer – Jacob C. White, P.E.

project

Finney Branch Spillway

Kanawha County, West Virginia



Client

Hatfield Enterprises, Inc.
400 North Poplar Fork Road
Hurricane, West Virginia 25526

Contact

Mr. Robert Hatfield
304.552.1782

Nature of Work

Project included hydraulic analysis, channel design, spillway design, and permitting for an emergency spillway along Finney Branch in Dunbar, WV.

The project consisted of over 800' of channel design using the Army Corps of Engineers HEC-RAS stream modeling program. Scour and erosion countermeasures, designed and incorporated into the plans included rock rip-rap and various matting and vegetative linings. Regulatory agencies designated to oversee this project included the US Army Corp of Engineers and the West Virginia Department of Environmental Protection.

Surveying services included topographic field mapping for design purposes and construction layout.

Key Personnel

Project Manager – Roger K. Randolph, P.E.
Design Engineer – Jacob C. White, P.E.

project

Poplar Fork Storm Water Management

Putnam County, West Virginia



Client

Putnam County Commission
400 North Poplar Fork Road
Hurricane, West Virginia 25526

Contact

Mr. Gary Tillis
304.586.0201

Nature of Work

Project included hydraulic analysis, culvert design, channel design, permitting as well as construction administration and inspection for a storm water management project that focused on alleviating flooding along Poplar Fork and tributaries.

The project consisted of over 3300' of channel design, placement of numerous culverts under local roads as well as residential driveways. Scour and erosion countermeasures, designed and incorporated into the plans included rock rip-rap and grouted rip-rap. Regulatory agencies designated to oversee this project included the US Army Corp of Engineers and the West Virginia Department of Environmental Protection.

Surveying services included topographic field mapping for design purposes and construction layout.

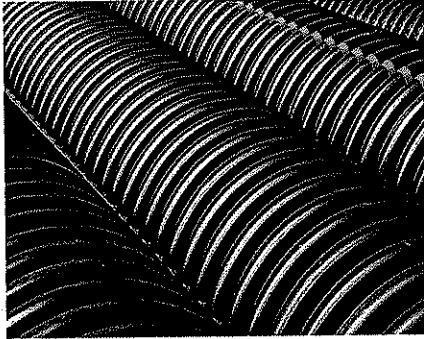
Key Personnel

Project Manager – Roger K. Randolph, P.E.
Designer – Donald R. Hayes, P.L.S.

project

Town of Buffalo 60" Storm Water Outfall

Putnam County, West Virginia



Client

Town of Buffalo
Buffalo, West Virginia

Contact

Mr. Kenneth Tucker, Mayor
304.937.2041

Nature of Work

The goal of this project was to develop a storm water outfall to the Kanawha River required by an expansion project for the Toyota Motor Manufacturing Plant.

Project included designing a 1600 L.F. storm water outfall consisting of 60" HDPE smooth wall pipe. The outfall included seven 8' diameter manhole junction boxes as well as a 60" diameter reinforced concrete pipe bored and jacked under WV Route 62. Additional features included a pre-cast headwall founded on helical anchors and 1400 S.F. of articulated concrete block erosion matting.

We performed a topographical survey to be used for design and provided construction stakeout and construction inspection services. Permitting requirements included an Archeological Study, WV DEP NPDES permit, and WVDOH Highway Encroachment permit.

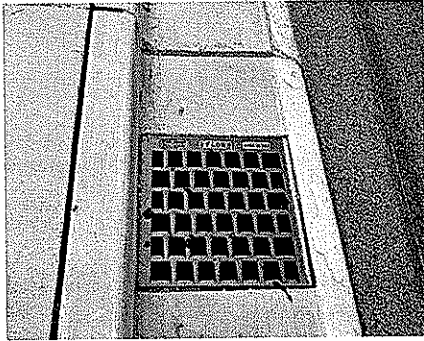
Key Personnel

Project Manager – Roger K. Randolph, P.E.
Design Engineer – Jacob C. White, P.E.

project

Town of Bancroft – Storm Water Management

Putnam County, West Virginia



Client

Town of Bancroft
P.O. Box 58
Bancroft, West Virginia 25011

Contact

Ms. Joyce Abbott, Mayor
304.586.3559

Nature of Work

Project included hydraulic analysis, culvert design, permitting as well as construction administration and inspection for an urban storm water management project that was designed utilizing an enclosed system of inlets and pipe culverts.

The project consisted of a system of pipe culverts and concrete inlets that were placed in and around various residence and business properties. The project was undertaken due to the health and safety hazards associated with standing water that, due to very flat terrain, would not drain naturally. Regulatory agencies designated to oversee this project included the West Virginia Department of Health and the West Virginia Department of Environmental Protection.

Surveying services included topographic field mapping for design purposes and construction layout.

Key Personnel

Project Manager – Roger K. Randolph, P.E.
Designer – Donald R. Hayes, P.L.S.

project

Hydraulic Analysis – Dog Creek

Roane County, West Virginia



Client

West Virginia Self Storage
1677 Grannies Creek Road
Newton, West Virginia 25266

Contact

Mr. Rusty Reed
304.746.2168

Nature of Work

WV Self Storage Company contracted with Randolph Engineering to perform a hydraulic analysis of Dog Creek to determine the 100-year base flood elevation referenced as Zone A in the FEMA Flood Insurance Rate Map (FIRM).

Additionally, Randolph Engineering determined the effects of placing earth fill in the flood plain. Using the software program "HEC-RAS" (Hydraulic Engineering Center - River Analysis System) and traditional survey information, we were able to evaluate the stream and determine the water surface elevation of the stream. This information was then used to determine the impact of proposed site improvements on the flow characteristics of the stream.

Surveying services included topographic field mapping and hydraulic cross sections for analysis purposes.

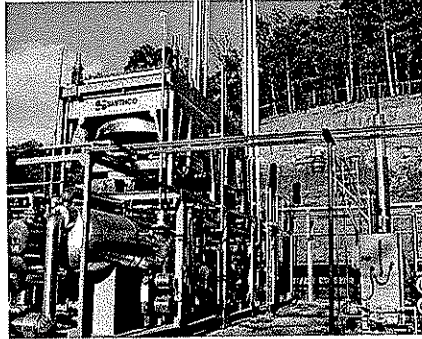
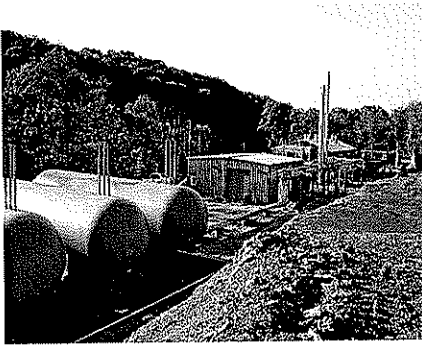
Key Personnel

Project Manager – Roger K. Randolph, P.E.
Design Engineer – Jacob C. White, P.E.

project

Hurricane Natural Gas Processing Plant

Putnam County, West Virginia



Client

Elkhorn Field Services, Inc
1370 Washington Pike
4th Floor
Bridgeville, PA 15017-2839

Contact

Mr. Jim Kean, Manager Engineering
412.220.4571

Nature of Work

Elkhorn Field Services, Inc., a leader in natural gas production, contracted with Randolph Engineering to provide surveying, horizontal and vertical control, site design, site permitting, and construction stake out for a natural gas processing plant located in Putnam County, West Virginia.

The Hurricane natural gas processing plant and site was designed and oriented to produce three product streams: purified natural gas which is compressed onsite and delivered by pipeline to the Columbia Gas pipeline system, commercial grade liquid propane and a liquid butane and heavier hydrocarbon stream with the propane and butane streams trucked to local markets.

Key Personnel

Project Manager – Jacob C. White, P.E.

project

The Ridges at Rabel Subdivision

Kanawha County, West Virginia



Client

AB Contracting, Inc.
5521 Ohio River Road
Point Pleasant, West Virginia, 25550

Contact

Mr. Allen Bell
304.546.5955

Nature of Work

The project involved the study, design and preparation of contract documents for a 194 unit gated community to be constructed on a 152 acre parcel.

Site design responsibilities included subdivision lot layout, grading, interior roadway design, pavement design, well as the design of the storm water system and approximately one-half mile of two-lane access road. Included in the access road design included the design of a prefabricated two-lane arch structure to span Alum Creek.

Utility design included 3 miles of sanitary force main and 2.3 miles of gravity sewer lines as well as twin 45,000 GPD packaged treatment plants. The water system consisted of 2.4 miles of 8", 6" and 2" water lines including a pump station and a 110,000 gal storage tank.

Additional design responsibilities included obtaining all permits including N.P.D.E.S. permitting for the site work as well U.S. Army Corp of Engineer permitting of the creek crossing and WV Health Department and Kanawha County Planning Commission permits.

Surveying services included horizontal and vertical control, topographic mapping for design purposes, survey plat development and construction stakeout.

Key Personnel

Project Manager – Roger K. Randolph, P.E.
Design Engineer – Jacob C. White, P.E.
Designer – Donald R. Hayes, P.L.S.

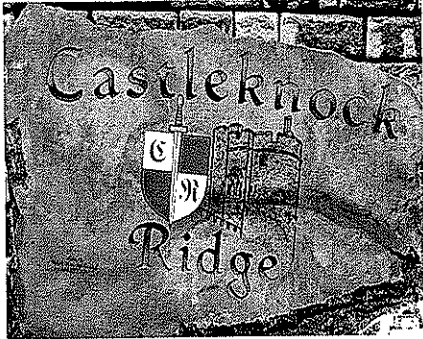


4414 Teays Valley Rd.
Scott Depot, WV 25560
p. 304.757.9217 f. 304.757.1029

project

Castlenock Ridge Subdivision

Putnam County, West Virginia



Client

DARR Incorporated
4414 Teays Valley Road
Scott Depot, West Virginia, 25560

Contact

Mr. Ron Hayes
304.768.8450

Nature of Work

The project involved the study, design and preparation of contract documents for a 214 lot subdivision to be constructed on a 142 acre parcel located in Teays Valley, West Virginia.

Site design responsibilities included subdivision lot layout, grading, interior roadway design, pavement design, as well as the design of the storm water system including detention. Utility design included water distribution, sanitary sewer design and coordination with local electric, telephone and gas companies.

Additional design responsibilities included obtaining all permits including N.P.D.E.S. permitting for the site work as well U.S. Army Corp of Engineer permits and WV Health Department and Putnam County Planning Commission permits.

Surveying services included topographic mapping for design purposes, survey plat development and construction stakeout.

Key Personnel

Project Manager – Roger K. Randolph, P.E.
Designer – Donald R. Hayes, P.L.S.

project

ALTA Survey – Buckeye Hope Foundation

Various Locations, West Virginia



Client

Star Title Agency, LLC
229 Huber Village Blvd., Suite 130
Westerville, Ohio 43081

Contact

Mr. Jim Saad
614.396.3296

Nature of Work

Star Title Agency contracted with Randolph Engineering to provide property research, field surveying and the development of detailed property maps and as-built drawings for ten specific apartment complex sites located in various counties in central West Virginia. These multi-family residential housing complexes ranged from 2 acres to 9 acres. Our scope of work included locating all improvements to the site including buildings, parking areas, sidewalks, utilities and recreational facilities.

Key Personnel

Project Manager – Donald R. Hayes, P.L.S.

project

Capitol Complex As-Built Survey

Kanawha County, West Virginia



Client

ZDS Design/Consulting Services, Inc
91 Smiley Drive
St. Albans, West Virginia 25177

Contact

Mr. Todd A. Zachwieja, P.E.
304.755.0075

Nature of Work

ZDS contracted with Randolph Engineering to provide as-built field surveys, verify contour mapping, provide finished floor elevations for the basements and first floors and develop detailed maps for a storm water improvement project within the Capitol Complex campus in Charleston.

Our scope of work included locating all improvements in the vicinity of Buildings 1, 3, 4, 5, and 7 including building footprints, sidewalks, utilities as well as trees, architectural features and monuments.

Key Personnel

Project Manager – Donald R. Hayes, P.L.S.

section 4

PERSONNEL RESUMES

résumé



Roger K. Randolph, P.E., P.L.S.

Design Engineer/Project Manager

Experience and Qualifications:

Roger is an accomplished design engineer with more than 40 years of experience for a variety of civil, municipal, land development, structural and construction projects. His versatility, experience and wealth of knowledge provide valuable insight into possible pitfalls that may affect the success of any project. He is responsible for project management and design as well as leadership and mentoring of younger engineers on many projects in a range of disciplines.

His primary responsibilities include:

- Project Management
- Municipal Engineering
- Building Engineering
- Structural Engineering

Representative Project Experience:

- Verizon Sales Building Structural Design
- Union Carbide Building 14 Structural and Foundation Design
- FAA Control Metering Building - Colorado
- Toyota Engine Plant Building Expansions
- Parkline Manufacturing Facility Building and Site Design
- Central Distributing Warehouse and Office Facility Building and Site Design
- City of Hurricane Wastewater Treatment Plant Upgrade
- Charleston Town Center Parking Structure Inspections
- Rhone-Poulenc Process Gas Collection Facility Structural Design
- City of Hurricane Water Treatment Plant Upgrades
- Massey Coal Services Headquarters Wastewater Treatment Plant
- City of Vienna, WV Water Distribution System Modeling
- Poplar Fork Storm Water Analysis and Flood Mitigation
- City of Eleanor, WV Industrial Park Site Design
- Hobet Mining Warehouse and Office Facility Building Design
- Arch Mineral Bridge over Buffalo Creek
- Beaver Creek Pedestrian Bridge
- GEF Corporation Fiberglass Walkway Platform Bridges

Education:

B.S.C.E., Ohio University, 1967

Registration:

P.E. – West Virginia, OH, KY, IN & IL

P.L.S. – West Virginia

Professional Societies:

American Society of Civil Engineers

National Society of Professional Engineers



résumé



Jacob C. White, P.E.

Design Engineer/Project Manager

Experience and Qualifications:

Jacob is an experienced civil engineer with a focus on land development and highway projects with state and local municipalities as well as private developers in West Virginia and Virginia. His experience ranges from residential, commercial and industrial site development projects to large highway design projects. He is responsible for engineering, hydraulic analysis and permitting for all land development and highway projects.

His primary responsibilities include:

- Project Management
- Land Development Engineering
- Structural Engineering
- Hydraulic Analysis – Permitting
- Highway Engineering

Representative Project Experience:

- Massey Coal Services Headquarters Site Design
- Verizon Sales Building Site Design
- Tractor Supply Store Site Design (2)
- Advance Auto Store Site Design
- Raceland High School Gymnasium Structural Design
- Floyd County, KY Health Department Office Building Structural Design
- Castlenock Ridge Subdivision Storm Water Management
- Copart, Inc. Hurricane Facility Site and Permitting Design
- FedEx Distribution Center Storm Water Management
- Toyota Motor Manufacturing of WV – Storm Water Analysis
- Kanawha Valley Fine Jewelry Site Design
- Upton Construction Company – Mobile Home Park Site Design
- WVU Ruby Memorial Hospital Expansion Structural Analysis
- Culloden Bridge over CSX Railroad
- Blennerhassett Island Bridge over Ohio River – Hydraulic Analysis
- DOW Chemical Bridge Inspections over Kanawha River Back Channel
- Abingdon, VA Federal Courthouse Perimeter Security
- Mouldegraph Corporation Engine Lifting Jig Design

Education:

B.S.C.E., West Virginia Institute of Technology, 1997

Registration:

P.E. – West Virginia, Virginia

Certification:

N.H.I. – Bridge Inspection Team Leader

Professional Societies:

American Society of Civil Engineers



résumé



Aaron C. Randolph, P.E.

Design Engineer/Project Manager

Experience and Qualifications:

Aaron is an experienced civil engineer with a focus on civil, bridge, structural and construction engineering projects within the private and public sectors in West Virginia, Kentucky, Ohio and Alabama. His experience has encompassed short to medium length bridge design, two-lane highway design, four lane highway design as well as multi-story building design, foundation design and construction engineering. He is responsible for all bridge, structure and building design projects for various state and local agencies as well as private developers.

His primary responsibilities include:

- Project Management
- Civil Engineering
- Structural Engineering and Inspection
- Construction Engineering

Representative Project Experience:

- Mountain State University Health Building Structural and Foundations
- WVDOT District 2 Maintenance Facility Structural and Foundations
- Ahern and Associates Construction and Value Engineering
- Little General Store Headquarters Structural and Foundations
- FedEx Distribution Facility Structural and Foundations
- Pathways Office Building Structural and Foundations – KY
- Sleep Inn Motel Structural and Foundations
- Augusta Engineering Structural Foundations
- Jodie Bridge over Gauley River
- William S. Ritchie Bridge Inspection over Ohio River
- Marshall University Retaining Walls
- US Route 119 Reinforced Concrete Box Culvert Designs
- Toyota Motor Manufacturing of WV – Building and Foundations
- US Route 60 – Reinforced Concrete Box Culvert Design
- Peerless Brick and Block Company – Retaining Walls
- Berkeley County P.S.D. Wastewater Treatment Plant Structural Design
- Vinton Ohio Wastewater Treatment Plant Structural Design

Education:

B.S.C.E., West Virginia Institute of Technology, 1992

Certification:

N.H.I. – Bridge Inspection Team Leader

Registration:

P.E. – West Virginia

Professional Societies:

American Society of Civil Engineers
(Former President of WV Section)

résumé



Donald R. Hayes, P.L.S

Surveyor/Project Manager

Experience and Qualifications:

Don is an experienced land surveyor with a focus on land development and municipal projects with local communities as well as private developers in West Virginia. His experience ranges from property surveys to residential, commercial and industrial site and utility design. He is responsible for the management of our surveying department as well as various development projects.

His primary responsibilities include:

- Project Management
- Surveying
- Land Development
- Construction Administration

Representative Project Experience:

- Castlenock Ridge Subdivision Design
- The Ridges Gated Community Design
- Toyota Engine Plant Facility Storm Water As-Built Survey
- Putnam County Parks & Recreation – Valley Park Expansion
- Bloomingdale Subdivision Design
- Pray Construction – McJunkin Warehouse Expansion Site Design
- City of Hurricane – Tackett's Branch Sewer Line Extension
- Massey Coal Services Headquarters Site Surveying
- Sable Point Townhouse Complex Site Design
- Rite Aid Corporation Site Designs (40)
- Westover Estates Subdivision Site Design
- Buckeye Community Hope Foundation ALTA Surveys (10)
- Standard Foods Facility Site Design
- Liberty Square Site Surveys and Permitting
- Cartee Land Development Company Site Design
- Dismas Charities, Inc Site Design
- WV Capitol Complex As-Built Survey
- Glen Oaks Subdivision Design
- Tri-State Hotels – Holiday Inn Express Site Design

Education:

A.S. West Virginia Institute of Technology, 1971

Registration:

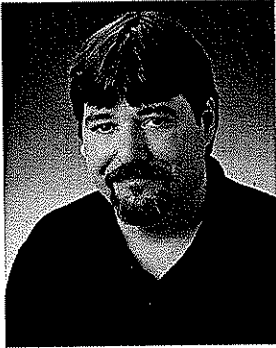
P.L.S. – West Virginia

Professional Societies:

West Virginia Society of Land Surveyors



résumé



Stacey H. Call, S.I.T.

Sr. Survey Technician

Experience and Qualifications:

Stacey is an experienced survey technician and designer for various civil engineering projects. His experience has encompassed site development and municipal design as well as boundary surveys and construction stakeout. He is responsible for site layout, coordinating field crews, data reduction and mapping generation for all design projects.

His primary responsibilities include:

- Survey Coordination
- Topographic Mapping
- Site Development
- Construction Stakeout

Representative Project Experience:

- Eagleview Subdivision Design
- Emerald Fields Subdivision Design
- The Ridges Gated Community Design (Phase 2)
- Advocat Care Assisted Living Center Site Design
- Buckeye Community Hope Foundation ALTA Surveys (10)
- Friendship Way Subdivision Design
- Massey Coal Services Headquarters Construction Stakeout
- Wood Ridge Estates Subdivision Design
- Woods & Irons Subdivision Design
- Mill Creek Subdivision Design
- Autozone Store Site Designs (2)
- Yeager Airport Surveys and Site Layout
- Wendy's Restaurant Site Design
- WVDOH - Coalfields Expressway Construction Stakeout
- WVDOH - Corridor D Highway Construction Stakeout
- WVDOH - WV Route 10 Construction Stakeout
- Tri-State Hotels - Holliday Inn Express Site Design

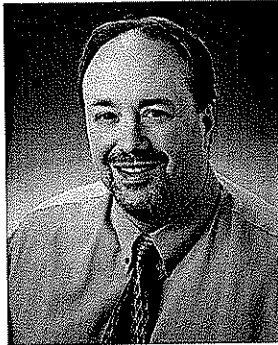
Education:

Hurricane High School, 1987

Registration:

S.I.T. – West Virginia

résumé



Larry A. Stricker
Sr. Design Technician

Experience and Qualifications:

Larry is a versatile designer with extensive experience in a range of engineering disciplines. His experience has encompassed highways, bridges, site development, buildings and structures. He is responsible for detailed plan development for a variety of civil and structural design projects using various CADD platforms.

His primary responsibilities include:

- Highways/Bridges
- Site/Civil
- CADD Design
- Buildings

Representative Project Experience:

- Culloden Bridge over CSX Railroad
- US Route 119/Massey Office Turn Lanes and Access Road Relocation
- Massey Coal Services Headquarters Site Development
- FedEx Distribution Center Foundations
- US Route 35/Winfield Road Widening
- Tractor Supply Retail Site Developments (2)
- Town of Buffalo Sidewalk Extension
- Augusta Engineering –Columbia Natural Gas Foundations
- Peerless Brick & Block Company Retaining Walls
- Putnam P.S.D. – Morrison Hollow Water Line Extension
- Mountain State University Health Building Structural Framing and Foundation
- Little General Store Headquarters Structural Framing and Foundation
- Toyota Motor Manufacturing of WV - Auditorium Building Expansion
- Berkeley County P.S.D. Wastewater Treatment Plant - Structural and Foundations
- City of Hurricane Wastewater Treatment Plant - Structural and Foundations
- The Ridges Gated Community Access Road and Utilities
- AB Contracting - City of Milton Apartment Complex Utilities
- US Route 19 (Corridor L) Roadway Widening
- US Route 60 Reinforced Concrete Box Culverts
- Ashland, KY – Town Center Mall Flood Wall

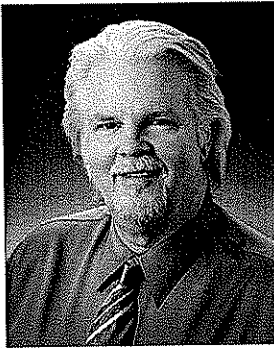
Education:

A.S., West Virginia Institute of Technology, 1987

Certification:

N.H.I. – Bridge Inspection Team Leader

résumé



Max Dent

Sr. Design Technician

Experience and Qualifications:

Max is an experienced designer for a wide range of civil engineering disciplines. His experience has encompassed site development, piping design, building design and municipal design. Additionally, he is the systems manager for our computer and network systems. He is responsible for detailed plan development for a variety of civil and municipal design projects using various CADD platforms.

His primary responsibilities include:

- Building Design
- Industrial Piping Design
- Site Development
- Municipal Design

Representative Project Experience:

- Valley Park Expansion Site and Trail Design
- Eleanor Industrial Park Site Design
- Verizon Sales Building
- Central Distributing, Inc. Site and Building Design
- Sable Point Subdivision Design
- City of Hurricane Wastewater Treatment Plant Expansion
- Putnam P.S.D. Water Line Extensions
- Union Carbide Corporation Building 14 Structural Design
- Toyota Motor Manufacturing of WV - Retail Sales Building Design
- Town of Buffalo, WV Wastewater Collection System
- Rhone-Poulenc Gas Process Collection Structure
- Toyota Motor Manufacturing of WV - Plant Expansion
- Quality Hardwood Millwork Office and Warehouse Facility
- Putnam P.S.D. Office Building Expansion
- Rite-Aid Corporation Site Designs (40)
- Young Builders - AEP Facilities Expansion
- City of Hurricane Water Treatment Plant Expansion
- Town of Winfield, WV Wastewater Collection System
- City of Eleanor, WV Water Distribution Expansion

Education:

Center College

Certification

Wastewater Treatment Operator, Class 1

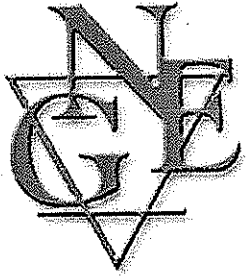
Professional Societies:

National Fire Protection Association (NFPA)



section 5

**SUB-CONSULTANT
(Novel Geo-Environmental, PLLC)**



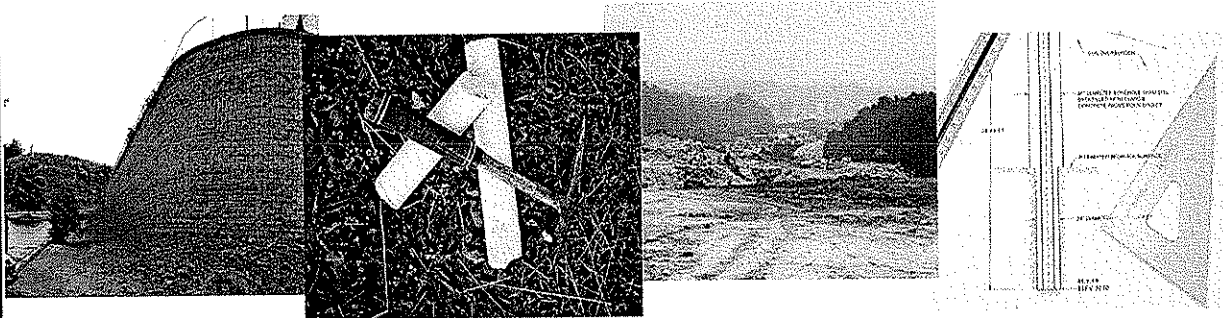
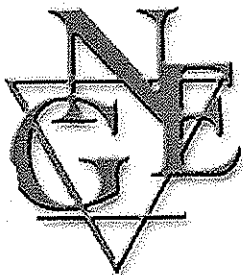
Novel Geo-Environmental, PLLC

St. Albans, West Virginia

Exceptional staff.

Exceptional results.

Allow us to show what we can do for you.



Company Overview

Novel Geo-Environmental, PLLC (NGE) is a full-service geotechnical and environmental engineering firm with offices located in St. Albans, West Virginia, and Pittsburgh, Pennsylvania. Led by an experienced management team, NGE provides quality geotechnical services to a variety of clients in both the private industry and government sectors.

In business since 2002, NGE is one of the fastest growing engineering consulting firms in the country.

Who is NGE?

Our staff includes professional engineers, geologists, scientists, construction managers, and foremen with experience in a broad range of technical disciplines. Our management team averages 15+ years of experience per person

Why NGE?

NGE is large enough to fulfill the needs of our client in-house, yet small enough to provide the personal focus each client deserves. With smaller overhead than larger companies, NGE can provide exceptional services at lower cost.

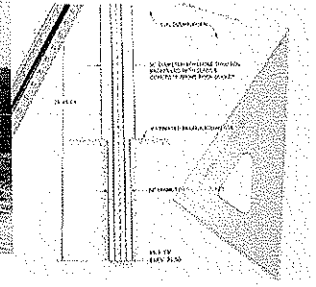
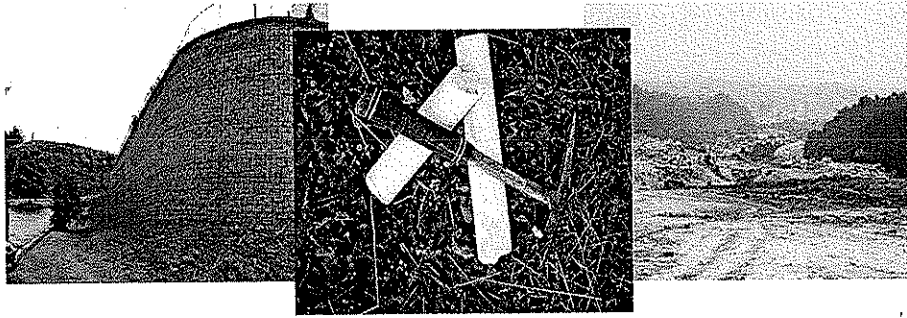
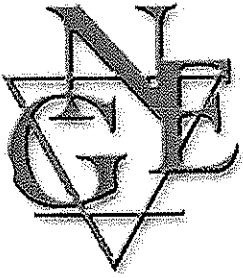
NGE is a Certified Disadvantaged Business Enterprise (DBE) in West Virginia, Pennsylvania, Ohio, Maryland, and New Jersey and is certified by the Small Business Administration as an 8(a) Small Disadvantaged Business.

West Virginia Office

806 B Street
St. Albans, WV 25177
(304) 201-5180
(304) 201-5182 (fax)
Contact: John E. Nottingham, P.E.
jnottingham@novel-ge.com

Pennsylvania Office

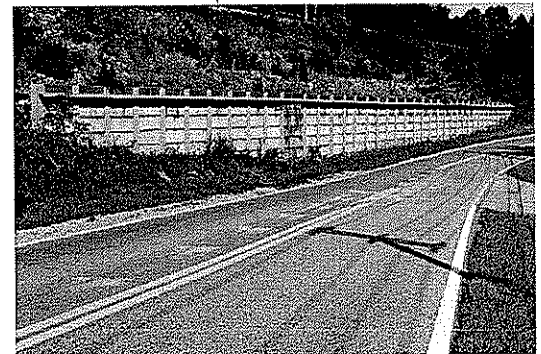
100 Commercial Street, Suite 101
Bridgeville, PA 15017
(412) 838-0115
(412) 838-0120 (fax)
Contact: Amy L. Veltri, P.E.
aveltri@novel-ge.com

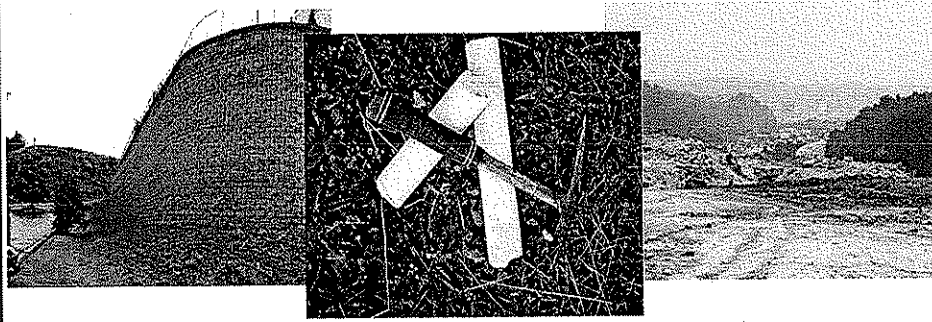
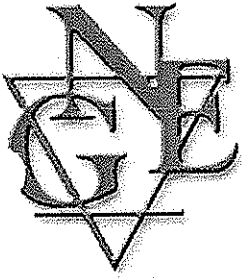


Geotechnical Engineering

The natural complexity and variability present in the subsurface requires a specialized expertise to ensure reliable results. NGE investigates and evaluates subsurface soil, rock, and groundwater conditions to analyze their response to the needs of a given project, whether they be foundation loads, site grading operations/slope configuration, or retaining wall design. A sampling of the geotechnical services NGE provides includes the following:

- Foundation investigations - commercial/residential construction, WVDOH bridge and roadway, airport geotechnical design, public and private utilities (water storage tanks, communications towers, etc.)
- Landslide investigations/remediation - slope design, retaining wall design
- Forensic Engineering/Insurance investigations
- Mine subsidence investigations/ground stabilization
- Dam design/rehabilitation
- Pavement analysis and design
- Groundwater seepage analysis and design

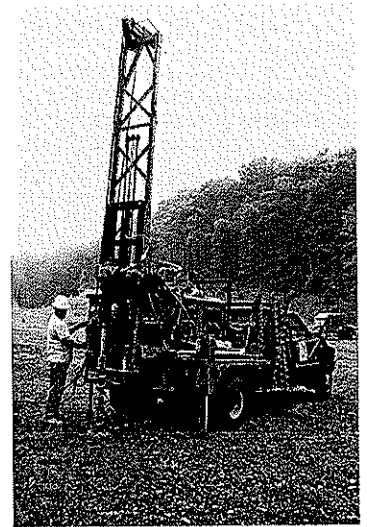




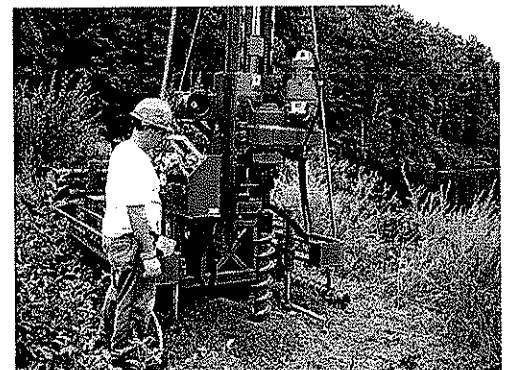
Drilling Services

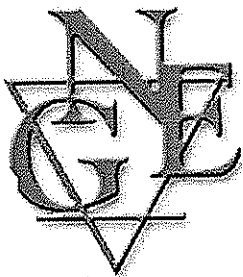
NGE is equipped with a variety of versatile drilling equipment to meet the demands of our clients even in the most demanding of environments. This includes:

- Truck-mounted rotary drill rig equipped with hollow stem augers used primarily for Standard Penetration Testing (SPT). It can also be used for conventional rock coring.
- Custom manufactured state-of-the-art track-mounted rotary drill rig, also equipped with hollow stem augers for SPT sampling. This machine is also equipped for wire-line coring and is uniquely designed to access hard-to-reach areas (such as rugged terrain or limited access) with a minimum of disturbance.
- Portable Tri-Pod drill able to perform SPT sampling in areas that are inaccessible to conventional drilling equipment.
- Dynamic Cone Penetrometer - portable device designed to provide comparable SPT "N-values" in areas with very limited access



NGE also provides monitoring well installation services that meet the requirements for the State of West Virginia Certified Monitoring Well Driller program.



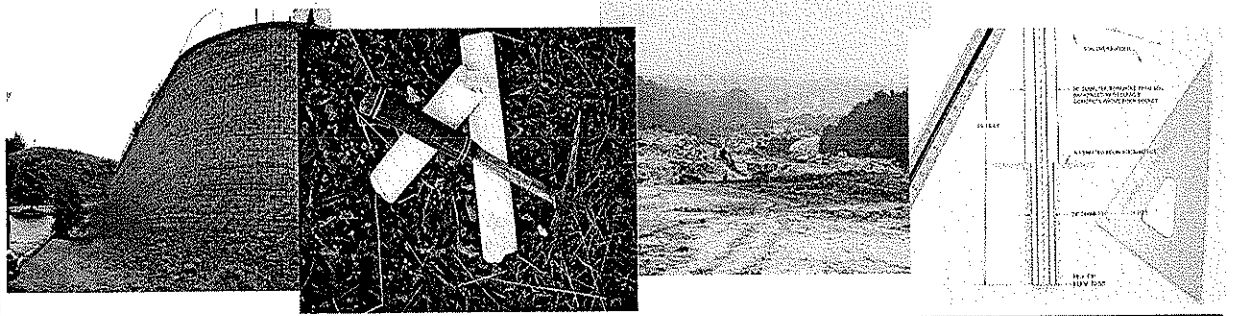
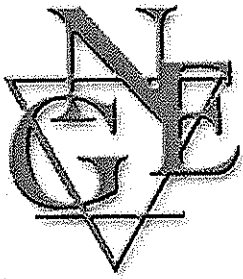


Construction Monitoring and Inspection Services

NGE offers inspection services to support a wide variety of construction projects, including highway, building, and airport. Our technicians are qualified and certified in a variety of services and will meet the specific needs of the client in an efficient and competent manner. NGE is also a West Virginia certified DBE firm as well as a federal Disadvantaged Business (8[a]). NGE can provide and manage the following services:

- Materials Testing and Analysis (concrete, asphalt, fill placement)
- Independent Construction Inspection
- Contractor Submittal and Shop Drawing Review
- Documentation and Process Verification
- Bidding Assistance and Analysis
- Cost Estimating and Cost Control Monitoring
- Design Review
- Value Engineering
- Project Partnering
- Quality Assurance Monitoring





Laboratory Testing Services

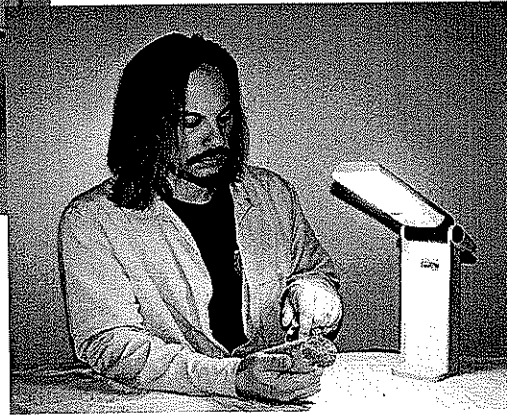
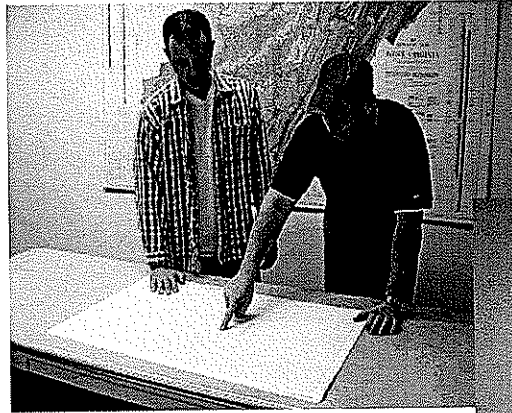
NGE can provide laboratory geotechnical testing in accordance with ASTM standards under controlled conditions to further estimate the engineering properties of soil and rock materials. Typical laboratory testing includes soil classification, compaction, compressibility, swell potential, and permeability.



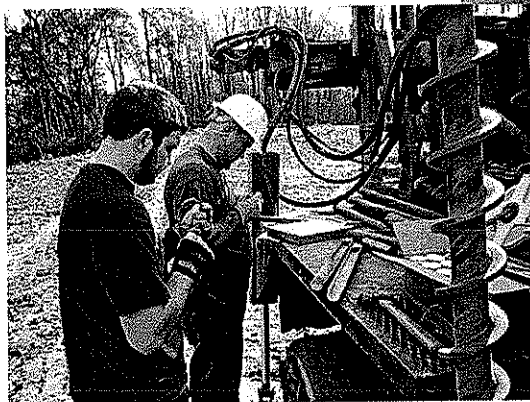
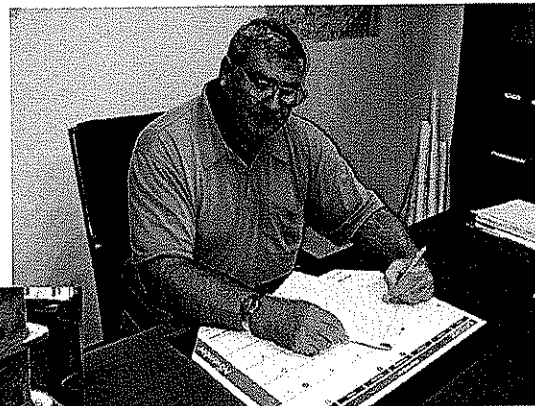
Crosshole Sonic Logging (CSL)

NGE provides Crosshole Sonic Logging (CSL) to test the integrity of drilled concrete shafts. CSL testing is a non-destructive method that checks the homogeneity and integrity of concrete in a deep foundation by sending ultrasonic pulses through the concrete from one probe to another. The test measures the propagation time and relative energy of the ultrasonic pulse between parallel access tubes (access tubes typically consist of 2-inch diameter steel tubes attached to the drilled shaft reinforcement cage). The pulse arrival time (a.k.a. first arrival time (FAT)) and energy are affected by the concrete. Uniform concrete yields consistent arrival times with reasonable wave speed and energy. Non-uniformities such as zones of poor quality concrete, honeycombing, voids, and soil inclusions exhibit delayed arrival times with corresponding reduced signal energy.

NGE's broad range of experience in each of the previously listed services enables us to provide our clients with high-quality geotechnical engineering, remediation and construction services while meeting budgets and deadlines.



Personnel



Amy L. Veltri, P.E., DEE



Over eleven years of experience as an environmental and civil engineer in consulting and industry. Currently serving as president of a geotechnical and environmental engineering consulting firm. Experience includes extensive management of personnel and large projects, including management of project schedules, scope of work, and budgets. Personnel management includes selection of project staffing, staff reviews, and mentoring. Significant experience in air quality for various industrial clients including Title V permitting and compliance, emissions inventories and control technology assessments. Completed numerous multimedia regulatory compliance audits and Phase I site assessments. Assisted clients with ISO 14001 registration process. Assisted industrial clients with NPDES permit compliance including completion of DMR's and permit renewal and negotiation. Completed general construction monitoring services including density testing and concrete testing.

Fields of Competence

- Personnel Management
- Project Management (schedule and budget)
- Air Quality Regulations/Compliance
- Wastewater Treatment/Permitting
- Environmental Management Systems (ISO 14001)
- Process Safety Management/Risk Management Planning
- Multimedia Compliance Audits
- Hazardous Waste Training
- Stormwater Permitting/Pollution Prevention Plans
- Spill Prevention Control and Countermeasure Plans
- Construction Monitoring and General Geotechnical Engineering

Education

- M.S., Civil Engineer, West Virginia University, 1996
- B.S., Civil Engineer, West Virginia Institute of Technology, 1989
- OSHA 1910.120 40-hour HAZWOPER Training, 1991

Registration/Certifications

- Registered Professional Engineer in Pennsylvania. Registration No.: PE-050393-E, Registration Date: 08/96
- Registered Professional Engineer in West Virginia. Registration No.: 14241, Registration Date: 09/99
- Diplomat Environmental Engineer, American Academy of Environmental Engineers, 07/02
- Certified Wastewater Treatment Plant Operator, Class A in Pennsylvania. Certificate No.: T3770, Registration Date: 06/01
- Certified ISO 14001 Lead Assessor, 04/02

Employment History

- August 2002 - Present
President, Novel Geo-Environmental, LLC
- August 1998 - August 2002
Senior Project Manager, ERM
- November 1995 - August 1998
Regional Environmental Coordinator, US Airways
- March 1992 - November 1995
Project Engineer, ERM
- January 1990-September 1990
Staff Engineer, ERM

John E. Nottingham, P.E., P.S.



Mr. Nottingham has served as lead Geotechnical Engineer on numerous government and commercial design and construction projects. His responsibilities on these projects include direction and coordination of all geotechnical engineering activities. Duties on these projects have included foundation investigation report production, foundation and retaining wall design, fill embankment and cut slope design, dam design and analysis, slope stability analysis, pavement design, design of drainage systems, supervision of subsurface drilling programs, field activity coordination, laboratory data computation and processing, performance of field work, client relations, and supervision of staff and project level geotechnical engineers.

Fields of Competence

- Highway & Airport Geotechnical Design
- Foundation Investigations
- Pavement Analysis and Design
- Landslide Analysis & Remedial Design
- Ground Water and Seepage Analysis & Design
- Retaining Wall Design
- Mine Subsidence Investigations
- Forensic & Insurance Investigations
- Construction Monitoring
- Personnel Management
- Project Management (schedule and budget)
- Project Estimating

Education

- B.S., Civil Engineering, West Virginia University - 1987
- M.S., Civil Engineering, West Virginia University - 1995

Registration/Certifications

- Registered Professional Engineer in West Virginia. Registration No. 12357 (since 1994)
- Registered Professional Surveyor in West Virginia. Registration No. 1495 (since 1995)

Employment History

- November 2002 - Present
Branch Manager, Novel Geo-Environmental, LLC
- 1997 - November 2002
Geotechnical Services Manager, Triad Engineering, Inc.
- 1996 - November 2002
Senior Engineer, Triad Engineering, Inc.
- 1993 - 1996
Project Engineer, Triad Engineering, Inc.
- 1988 - 1993
Staff Engineer, Triad Engineering, Inc.

Larry C. Nottingham, PhD, PE



Mr. Nottingham served as a Principal Engineer at Triad Engineering, Inc. for over 25 years before joining the professional staff at NGE. During that time he has accumulated a broad range of experience in the numerous disciplines of geotechnical engineering. Mr. Nottingham also served as a professor and department chair of the Civil Engineering Department at the West Virginia University Institute of Technology in Montgomery, West Virginia. Mr. Nottingham was involved with consultation and review of many subsidence related projects performed for BRIM as well as the WVDEP.

Fields of Competence

- Foundation Investigations
- Landslide Analysis & Remedial Design
- Mine Subsidence Investigations
- Highway & Airport Geotechnical Design
- Pavement Analysis & Design
- Retaining Wall Design
- Forensic & Insurance Investigations
- Expert Witness Consultation
- Ground Water and Seepage Analysis & Design
- Dam Analysis & Design
- Personnel Management
- Project Management
- Project Estimating

Education

- B.S.C.E., Civil Engineering, West Virginia Institute of Technology, 1965
- M.S.C.E., Civil Engineering, University of Pittsburgh, 1966
- Ph.D., Civil Engineering, University of Florida, 1975

Registration/Certifications

Registered Professional Engineer in West Virginia, Kentucky, and Ohio

Employment History

- May 2005 - Present
Senior Engineer, Novel Geo-Environmental, PLLC
- 1979 - May, 2005
Principal Engineer, Triad Engineering, Inc.
- 1989 - 1994
Professor and Department of Civil Engineering Chair, West Virginia Institute of Technology
- 1975 - 1979
Senior Engineer, Fugro Gulf, Inc., Houston, Texas
- 1970 - 1974
Project Engineer, Florida Department of Transportation
- 1967 - 1970
Project Engineer - Ackenheil & Associates, Inc.

Chuck Montgomery, P.G



Mr. Montgomery has served as Project Geologist on numerous projects for clients in private industry as well as for state and federal agencies. He has performed a variety of roles in various projects from office management activities to coordination of field activities. Duties on these projects have included foundation investigation report production, mine subsidence evaluation and assessment, supervision of subsurface drilling programs, field activity coordination, laboratory data computation and processing, performance of fieldwork, client relations, and supervision of staff.

Fields of Competence

- Foundation Investigations
- Landslide Analysis
- Mine Subsidence Investigations
- Seismic Site Class evaluation, per International Building Code (IBC) 2000 edition.
- Forensic & Insurance Investigations
- Personnel Management
- Project Management (schedule and budget)
- Project Estimating

Education

- B.S., Geology, Marshall University - 1991
- OSHA 1910.120 40-hour HAZWOPER Training, 1992

Registration/Certifications

- Registered Professional Geologist in Kentucky. Registration No. KY-2258 (since 1999)
- Certified Monitoring Well Driller in West Virginia
- OSHA 1910.120 40-hour HAZWOPER Training, 1992

Employment History

- February 2004 - Present
Project Manager, Novel Geo-Environmental, LLC
- 1996 - February 2004
Project Geologist, Triad Engineering, Inc.
- 1992 -1996
Staff Geologist, Triad Engineering, Inc.

Gene Brown, E.I.



Mr. Brown has served as Staff Engineer on numerous projects for clients in private industry as well as for state and federal agencies. He has performed a variety of roles in various projects from office management activities to coordination of field activities. Duties on these projects have included foundation investigation report production, slope stability analysis, dam analysis, AutoCAD drafting, supervision of subsurface drilling programs, field activity coordination, field portion of environmental site assessments, structural inspections, GPS and conventional surveys, laboratory data computation and processing, performance of fieldwork, client relations, and supervision of staff.

Fields of Competence

- Foundation Investigations
- Landslide Analysis & Remedial Design
- Seismic Site Class evaluation, per International Building Code (IBC) 2000 edition.
- Construction Monitoring
- Personnel Management
- Project Management (schedule and budget)
- Project Estimating

Education

- BS, Civil Engineering Technology, Bluefield State College, 2000
- BS, Architectural Engineering Technology, Bluefield State College, 2000

Registration/Certifications

- Engineer Intern, West Virginia
- OSHA 1910.120 40-hour HAZWOPER Training, 2005

Employment History

- October 2006 - Present
Staff Engineer, Novel Geo-Environmental, LLC
- 2001 - 2006
Staff Engineer, Terradon Corporation
- 2000 - 2001
Survey Technician, John E. Chance & Associates, Inc
- 1999
Engineer Intern, Burgess & Niple, Ltd.

Christopher T. Dunlap



Mr. Dunlap has served as an engineering technician/field inspector on numerous government and commercial construction projects. His duties on these projects have included quality assurance/quality control (QA/QC), construction oversight and testing, coordination of field activities, liaison between general contractor and engineer, and project reporting. Mr. Dunlap also has experience with drilling inspection and computation of laboratory data.

Fields of Competence

- Fill placement monitoring/compaction
- Concrete testing and sampling
- Asphalt testing/compaction
- Project Management
- Drilling Inspection
- Project Documentation/Reporting

Education

- A.S., Mechanical Engineering Technology, WVU Institute of Technology, 2000

Registration/Certifications

- Certification for WV DOH Compaction Technician.
- Certification for WV DOH Concrete Technician/Inspector.
- Certification for WV DOH Asphalt Inspector.
- American Concrete Institute (ACI) Certified

Employment History

- July 2004 -Present
Staff Engineer, Novel Geo-Environmental, LLC
- August 2000 -July 2004
Field Technician, Triad Engineering, Inc.

Larry E. Easter



Mr. Easter has approximately 39 years experience as quality control technician/inspector and environmental technician. As a geotechnical technician, he has provided quality control overnight and testing services on numerous commercial and industrial projects. His duties have included compaction and concrete testing and observations, liaison between the general contractor and Engineer/Owner, and project reporting. He also has experience as a soils and concrete laboratory technician and as an engineering draftsman.

Fields of Competence

- Compaction testing and fill placement monitoring
- Concrete testing and sampling
- Drilling inspection
- Project documentation/reporting
- Geotechnical laboratory testing
- Concrete laboratory testing
- AutoCAD drafting and design

Education

- Certificate - Computer Aided Drafting and Design; Ben Franklin Career Center, 2005
- Troxler Nuclear Moisture-Density Gauge Certification, 2005

Employment History

- 1970 - 2004
Flexsys America
Environmental Technician
Laboratory Analyst
Operating Technician
Master Mechanic
- 1966 - 1970
A. C. Ackenheil & Associates, Inc.
Compaction Technician
Concrete Technician
Soils & Concrete Laboratory Technician
Engineering Draftsman

**WEST VIRGINIA DEPARTMENT ENVIRONMENTAL PROTECTION
AML CONSULTANT CONFIDENTIAL QUALIFICATION QUESTIONNAIRE Attachment "B"**

PROJECT NAME: **BROWNTON LANDSLIDE** DATE: September 8, 2008 FEIN: 52-2365940

1. FIRM NAME: Novel Geo-Environmental, LLC
2. HOME OFFICE BUSINESS ADDRESS: 171 Montour Road Moon Township, PA 15108
3. FORMER FIRM NAME: NA

4. HOME OFFICE TELEPHONE: (412) 722-1970
5. ESTAB: 2002
6. TYPE OWNERSHIP: Limited Liability Corporation
6a. WV REGISTERED DBE: YES

7. PRIMARY AML DESIGN OFFICE: ADDRESS/ TELEPHONE/ PERSON IN CHARGE/ NO. AML DESIGN PERSONNEL EACH OFFICE:
806 B Street Office Manager: John E. Nottingham, P.E.
St. Albans, WV 25177 No. AML Design Personnel in St. Albans, WV: 5
304-201-5180 No. AML Design Personnel in Moon Township, PA: 5

8. NAMES OF PRINCIPAL OFFICERS OR MEMBERS OF FIRM: 8a. NAME, TITLE, & TELEPHONE NUMBER - OTHER PRINCIPALS
Amy L. Veltri - President
John E. Nottingham - Vice President

9. PERSONNEL BY DISCIPLINE (Bold Lettering Indicates Minimum Design Team Members)

| | | | |
|-----------------------------|----------------------------|----------------------------|-----------------------------|
| — ADMINISTRATIVE | — ECOLOGISTS | — LANDSCAPE ARCHITECTS | — STRUCTURAL ENGINEERS |
| — ARCHITECTS | — ECONOMISTS | — MECHANICAL ENGINEERS | — SURVEYORS |
| — BIOLOGIST | — ELECTRICAL ENGINEERS | — MINING ENGINEERS | — TRAFFIC ENGINEERS |
| 1 CADD OPERATORS | 4 ENVIRONMENTALISTS | — PHOTOGRAMMETRISTS | 4 DRILLERS & HELPERS |
| — CHEMICAL ENGINEERS | — ESTIMATORS | — PLANNERS: URBAN/REGIONAL | 5 OTHER PERSONNEL |
| 2 CIVIL ENGINEERS | 2 GEOLOGISTS | — SANITARY ENGINEERS | |
| — 4 CONSTRUCTION INSPECTORS | — HISTORIANS | — 2 SOILS ENGINEERS | |
| — DESIGNERS | — HYDROLOGISTS | — SPECIFICATION WRITERS | 20 TOTAL PERSONNEL |
| — DRAFTSMEN | | | |

TOTAL NUMBER OF WV REGISTERED PROFESSIONAL ENGINEERS IN PRIMARY OFFICE: 2
*RPEs other than Civil and Mining must provide supporting documentation that qualifies them to supervise and perform this type of work.

10. HAS THIS JOINT-VENTURE WORKED TOGETHER BEFORE? YES

11. OUTSIDE KEY CONSULTANTS/SUB-CONSULTANTS ANTICIPATED TO
 Questionnaire" for each if copy is not on file with AML:

USED. Attach "AML Consultant Confidential Quali...cation

| NAME AND ADDRESS: | SPECIALTY: | WORKED WITH BEFORE |
|-------------------|------------|---|
| | | <input type="checkbox"/> Yes <input type="checkbox"/> No WORKED WITH BEFORE |
| | | <input type="checkbox"/> Yes <input type="checkbox"/> No WORKED WITH BEFORE |
| | | <input type="checkbox"/> Yes <input type="checkbox"/> No WORKED WITH BEFORE |
| | | <input type="checkbox"/> Yes <input type="checkbox"/> No WORKED WITH BEFORE |
| | | <input type="checkbox"/> Yes <input type="checkbox"/> No WORKED WITH BEFORE |
| | | <input type="checkbox"/> Yes <input type="checkbox"/> No WORKED WITH BEFORE |
| | | <input type="checkbox"/> Yes <input type="checkbox"/> No WORKED WITH BEFORE |
| | | <input type="checkbox"/> Yes <input type="checkbox"/> No WORKED WITH BEFORE |
| | | <input type="checkbox"/> Yes <input type="checkbox"/> No WORKED WITH BEFORE |

12. Is your firm experienced in Abandoned Mine Lau Remediation/Mine Reclamation Engineering?

NO: Note that Novel Geo-Environmental (NGE) has not performed any AML design work to date, but our WV Office Manager (John E. Nottingham) and project geologist (Chuck Montgomery) have extensive AML experience with their former firm. Additionally, NGE currently holds a contract with WVDEP-AML for geotechnical drilling for the northern district of WV and has completed several drilling projects under this contract.

B. Is your firm experienced in Soil Analysis?

YES: NGE specializes in Geotechnical Engineering including foundation investigations, subsurface investigations, cut slope design, fill embankment analysis and design, slope stability analysis, landslide analysis and corrective design, mine subsidence investigations, geologic studies, groundwater seepage analysis, foundation design, retaining wall design, pavement design, subsurface drilling and monitoring well installation. NGE has performed a total of several hundred geotechnical engineering related projects since the company was formed in 2002.

C. Is your firm experienced in hydrology and hydraulics?

NO: While our firm has not performed any hydrology/hydraulics projects to date, our personnel have experience with former employers.

D. Does your firm produce its own Aerial Photography and Develop Contour Mapping?

NO

E. Is your firm experienced in domestic waterline design? (Include any experience your firm has in evaluation of aquifer degradation as a result of mining.)

NO

F. Is your firm experienced in Acid Mine Drainage Evaluation and Abatement Design?

NO

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but keep to essentials)

| | | | | |
|--|--|---------------------|---|--|
| NAME & TITLE (Last, First, Middle Int.) | | YEARS OF EXPERIENCE | | YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: |
| Notttingham, John, E. | | 12 | 4 | 0 |
| Brief Explanation of Responsibilities | | | | |
| Mr. Notttingham was responsible for supervising field and design work for numerous AML related landslide abatement projects for the WVDEP while under the employment of Triad Engineering, Inc. In addition to landslide abatement projects, Mr. Notttingham was involved in subsidence determination investigations and subsidence abatement projects. Mr. Notttingham worked extensively on "emergency" projects which required quick field investigations and corrective designs. | | | | |
| EDUCATION (Degree, Year, Specialization) | | | | |
| Bachelor of Science in Civil Engineering, 1987, WVU, Specialization - Civil and Geotechnical Engineering Masters of Science in Civil Engineering, 1995, WVU, Specialization - Geotechnical Engineering | | | | |
| MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS | | | | |
| American Society of Civil Engineering (ASCE) West Virginia Chapter of AIA | | | | |
| 13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but keep to essentials) | | | | |
| NAME & TITLE (Last, First, Middle Int.) | | YEARS OF EXPERIENCE | | YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: |
| Montgomery, Charles, E. | | 10 | 4 | 0 |
| Brief Explanation of Responsibilities | | | | |
| Mr. Montgomery was responsible for coordinating field activities for AML landslide abatement projects for the WVDEP while employed with Triad Engineering, Inc. Mr. Montgomery has also participated in all project phases for other AML work involving subsidence determinations/abatement and impounded mine pools. | | | | |
| EDUCATION (Degree, Year, Specialization) | | | | |
| Bachelor of Science, Geology, 1991, Marshall University | | | | |
| MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS | | | | |
| Association of Engineering Geologists Geological Society of America | | | | |
| REGISTRATION (Type, Year, State) | | | | |
| Professional Geologist, 1999, Kentucky | | | | |

| | | | |
|--|---------------------------------------|--|---|
| 13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but keep to essentials) | | | |
| NAME & TITLE (Last, First, Middle Int.) Nottingham, Larry C. | YEARS OF AML DESIGN EXPERIENCE: 15 | YEARS OF AML RELATED DESIGN EXPERIENCE: 5 | YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 0 |
| Brief Explanation of Responsibilities Dr. Nottingham planned and supervised several AML investigation and reclamation projects for WVDEP while employed by Triad Engineering. Projects included burning refuse pile investigations, unstable refuse pile investigations and remedial designs, landslide investigations and remedial designs, subsidence investigations, and underground mine fire investigations. | | | |
| EDUCATION (Degree, Year, Specialization) Bachelor of Science in Civil Engineering, 1965, Civil Engineering, West Virginia Institute of Technology Master of Science in Civil Engineering, 1966, Geotechnical Engineering, University of Pittsburgh Doctor of Philosophy, 1975, Geotechnical Engineering, University of Florida | | | |
| MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS Member, American Society of Civil Engineers Member, National Society of Professional Engineers | | | |
| 13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but keep to essentials) | | | |
| NAME & TITLE (Last, First, Middle Int.) | YEARS OF AML DESIGN EXPERIENCE: | YEARS OF AML RELATED DESIGN EXPERIENCE: | YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: |
| Brief Explanation of Responsibilities | | | |
| EDUCATION (Degree, Year, Specialization) | | | |
| MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS REGISTRATION (Type, Year, State) | | | |

14. PROJECT A LIST OF SOFTWARE AND EQUIPMENT AVAILABLE IN THE PRIMARY OFFICE WHICH WILL BE USED TO COMPLETE AML DESIGN SERVICES

Three rotary drill rigs, one mounted on a four wheel drive one-ton truck, and two track-mounted rigs. Drills are equipped with hollow stem augers, split-spoon soil sampling equipment, and rock coring tools. Portable dynamic cone penetrometer.

Electric concrete coring drill.

Two equipment hauling trailers.

Software includes: Word processing, PCSTABL - Slope Stability Analysis, LPILE Plus 4.0 - Pile Foundation Analysis, PYWALL 2.0 - Retaining Wall Analysis, RESSA 2.0 - Reinforced Soil Slope Analysis, Reslope 3.0 - Reinforced Soil Slope Design

Soil Laboratory Equipment: Soil Oven, Scales, Sieves, Liquid and Plastic Limits Machine

15. CURRENT ACTIVITIES ON WHICH YOUR FIRM IS THE DESIGNATED ENGINEER OF RECORD

| PROJECT NAME, TYPE AND LOCATION | NAME AND ADDRESS OF OWNER | NATURE OF YOUR FIRM'S RESPONSIBILITY | ESTIMATED CONSTRUCTION COST | PERCENT COMPLETE |
|---|--|---|--|------------------|
| Chesapeake Energy Office & Shop Complex, Geotechnical Investigation, Inez, KY | Chesapeake Energy Corporation, 6100 N. Western Avenue, Oklahoma City, OK 73154 | Perform subsurface investigation, develop and provide recommendations for building foundation design | Unknown, Fee = \$6600.00 | 5 |
| Annual Geotechnical Drilling Contract, Northern West Virginia | West Virginia Department of Environmental Protection | Perform geotechnical (drilling) investigations of abandoned mine land sites as directed by WVDEP/AML personnel. | Unknown | 30 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TOTAL NUMBER OF PROJECTS: 2 | | | TOTAL ESTIMATED CONSTRUCTION COSTS: \$ Unknown | |

16. CURRENT ACTIVITIES ON WHICH YOUR FIRM IS SERVING AS A SUB-CONSULTANT TO OTHERS

| PROJECT NAME, TYPE AND LOCATION | NATURE OF FIRMS RESPONSIBILITY | NAME AND ADDRESS OF OWNER | ESTIMATED COMPLETION DATE | ESTIMATED CONSTRUCTION COST | |
|--|--|--|---------------------------|-----------------------------|---------------------------|
| | | | | ENTIRE PROJECT | YOUR FIRMS RESPONSIBILITY |
| Ten Cell Tower Sites, Geotechnical Investigations, Various Locations Throughout WV | Determine Site Subsurface Conditions, Provide Foundation Design Recommendations. | Terradon Corp. Nitro, WV | March, 2008 | Unknown | Fee \$33,000 |
| Six Cell Tower Sites, Geotechnical Investigations, Various Locations Throughout WV | Determine Site Subsurface Conditions | PSI, Inc. 153 Williams Hwy Parkersburg, WV | March, 2008 | Unknown | Fee ~ \$12,000 |
| Toyota Meeting Room, Geotechnical Investigation, Buffalo, WV | Geotechnical Investigation for New Building Structure | Toyota Corp. Buffalo, WV | March, 2008 | Unknown | Fee \$4000 |
| I-64 Over Hal Greer Blvd. Bridge, CSL Testing, Huntington, WV | Perform Cross-Hole Sonic Logging of New Foundation Drilled Piers | West Virginia Dept. of Highways, Charleston, WV | August, 2008 | Unknown | Fee ~ \$17,000 |
| Harrison Co. EMS Station, Geotechnical Investigation, Clarksburg, WV | Determine Site Subsurface Conditions, Provide Foundation Design Recommendations | Harrison Co. EMS Clarksburg, WV | February, 2008 | Unknown | Fee \$4000 |
| Corridor H Highway Construction, Quality Control Testing, Grant Co., WV | Perform soil compaction and concrete quality control tests. | West Virginia Dept. of Highways, Charleston, WV | November, 2008 | Unknown | Fee ~ \$75,000 |
| Water Storage Tank, Subsurface Investigation, Gilbert, WV | Determine Site Subsurface Conditions | Gilbert PSD Gilbert, WV | March, 2008 | Unknown | Fee \$3000 |

18. COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM HAS BEEN A SUB-CONSULTANT TO OTHER FIRMS (INDICATE PHASE OF WORK FOR WHICH YOUR FIRM WAS RESPONSIBLE)

| PROJECT NAME, TYPE AND LOCATION | NAME AND ADDRESS OF OWNER | ESTIMATED CONSTRUCTION COST OF YOUR FIRM'S PORTION | YEAR | CONSTRUCTED (YES OR NO) | FIRM ASSOCIATED WITH |
|---|--|--|------|-------------------------|---------------------------------------|
| S. Mineral Wells Interchange, Geotechnical Study, Mineral Wells, WV | WV Department of Highways Charleston, WV | \$5,000,000 | 2007 | In Process | L. A. Gates Co. |
| Winefrede RR Overpass Bridge, Geotechnical Investigation, Winefrede, WV | WV Department of Highways Charleston, WV | \$1,500,000 | 2005 | Yes | HNTB Corporation |
| Performing Arts Center: Geotechnical Investigation, Buckhannon, WV | West Virginia Wesleyan College, Buckhannon, WV | \$500,000 | 2007 | Yes | R. D. Zande & Associates, Inc. |
| Mt. Gay Overpass Bridge, Geotechnical Investigation, Logan, WV | WV Department of Highways Charleston, WV | \$1,000,000 | 2004 | Yes | HMB Professional Engineers, Inc. |
| Water Tanks, Geotechnical Investigation, Iager, WV | Iager PSD Iager, WV | \$100,000 | 2006 | Yes | Stafford Consultants |
| 5 th Avenue Bridge, Geotechnical Investigation, Huntington, WV | WV Department of Highways Charleston, WV | \$2,500,000 | 2003 | Yes | Modjeski & Masters, Charleston, WV |

19. Use this space to provide any additional information or description of resources supporting your firm's qualifications to perform work for the West Virginia Abandoned Mine Lands Program.

20. The foregoing is a statement of facts.

Signature: *John E. Nottingham*
 Printed Name: John E. Nottingham

Title: Vice President

Date: 9/11/08

section 6

**RANDOLPH ENGINEERING
WVDEP AML CCQQ**

PROJECT NAME
BROWNTON LANDSLIDE

DATE (DAY, MONTH, YEAR)
September 26, 2008

FEIN
550588736

1. FIRM NAME
RANDOLPH ENGINEERING CO., INC.

2. HOME OFFICE BUSINESS ADDRESS
**P.O. BOX 346 - 4414 TEAYS VALLEY ROAD
 SCOTT DEPOT, WV 25560**

3. FORMER FIRM NAME

4. HOME OFFICE TELEPHONE
304.757.9217

5. ESTABLISHED (YEAR)
1976

6. TYPE OWNERSHIP
CORPORATION

6a. WV REGISTERED DBE (Disadvantaged Business Enterprise)
 YES NO

7. PRIMARY AML DESIGN OFFICE: ADDRESS/ TELEPHONE/ PERSON IN CHARGE/ NO. AML DESIGN PERSONNEL EACH OFFICE
4414 TEAYS VALLEY ROAD, SCOTT DEPOT, WV 25560/304.757.9217/AARON C. RANDOLPH, P.E./10

8. NAMES OF PRINCIPAL OFFICERS OR MEMBERS OF FIRM
ROGER K. RANDOLPH, P.E. - PRESIDENT

8a. NAME, TITLE, & TELEPHONE NUMBER - OTHER PRINCIPALS

9. PERSONNEL BY DISCIPLINE

| | | | | | | |
|---------------------------|---|----------------------|---|----------------------------|---|-----------------------------------|
| 4 ADMINISTRATIVE | — | ECOLOGISTS | — | LANDSCAPE ARCHITECTS | — | STRUCTURAL ENGINEERS |
| — ARCHITECTS | — | ECONOMISTS | — | MECHANICAL ENGINEERS | — | 1 SURVEYORS |
| — BIOLOGIST | — | ELECTRICAL ENGINEERS | — | MINING ENGINEERS | — | TRAFFIC ENGINEERS |
| 1 CADD OPERATORS | — | ENVIRONMENTALISTS | — | — PHOTOGRAMMETRISTS | — | 2 OTHER (SURVEY PERSONNEL) |
| — CHEMICAL ENGINEERS | — | ESTIMATORS | — | — PLANNERS: URBAN/REGIONAL | — | |
| 3 CIVIL ENGINEERS | — | GEOLOGISTS | — | — SANITARY ENGINEERS | — | |
| — CONSTRUCTION INSPECTORS | — | HISTORIANS | — | — SOILS ENGINEERS | — | |
| 3 DESIGNERS | — | HYDROLOGISTS | — | — SPECIFICATION WRITERS | — | 14 TOTAL PERSONNEL |
| — DRAFTSMEN | | | | | | |

TOTAL NUMBER OF WV REGISTERED PROFESSIONAL ENGINEERS IN PRIMARY OFFICE: **3**
 *RPEs other than Civil and Mining must provide supporting documentation that qualifies them to supervise and perform this type of work.

10. HAS THIS JOINT-VENTURE WORKED TOGETHER BEFORE? YES NO

11. OUTSIDE KEY CONSULTANTS/SUB-CONSULTANTS ANTICIPATED TO BE USED. Attach "AML Consultant Confidential Qualification Questionnaire".

| | | |
|---|--|---|
| NAME AND ADDRESS: NOVEL GEO-ENVIRONMENTAL, PLLC 806 B STREET ST. ALBANS, WV 25177 | SPECIALTY: SOILS/ENVIRONMENTAL | WORKED WITH BEFORE Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| NAME AND ADDRESS: | SPECIALTY: | WORKED WITH BEFORE Yes <input type="checkbox"/> No <input type="checkbox"/> |
| NAME AND ADDRESS: | SPECIALTY: | WORKED WITH BEFORE Yes <input type="checkbox"/> No <input type="checkbox"/> |
| NAME AND ADDRESS: | SPECIALTY: | WORKED WITH BEFORE Yes <input type="checkbox"/> No <input type="checkbox"/> |
| NAME AND ADDRESS: | SPECIALTY: | WORKED WITH BEFORE Yes <input type="checkbox"/> No <input type="checkbox"/> |
| NAME AND ADDRESS: | SPECIALTY: | WORKED WITH BEFORE Yes <input type="checkbox"/> No <input type="checkbox"/> |
| NAME AND ADDRESS: | SPECIALTY: | WORKED WITH BEFORE Yes <input type="checkbox"/> No <input type="checkbox"/> |
| NAME AND ADDRESS: | SPECIALTY: | WORKED WITH BEFORE Yes <input type="checkbox"/> No <input type="checkbox"/> |
| NAME AND ADDRESS: | SPECIALTY: | WORKED WITH BEFORE Yes <input type="checkbox"/> No <input type="checkbox"/> |

12. Is your firm experienced in Abandoned Mine Land Remediation/Mine Reclamation Engineering?

YES Description and Number of Projects:

NO

B. Is your firm experienced in Soil Analysis?

YES Description and Number of Projects:

NO

C. Is your firm experienced in hydrology and hydraulics? YES

YES Description and Number of Projects: **We have performed more than 50 land development projects as well as stand alone storm water projects that have required hydraulic analysis, storm water management, storm water detention, sediment & erosion control, WVDEP and US Army COE permitting and involvement.**

NO

D. Does your firm produce its own Aerial Photography and Develop Contour Mapping? **NOYES**

YES Description and Number of Projects: **We do not produce Aerial Photography. We do develop our own contour and topographic mapping from GPS and/or traditional surveying**

NO

E. Is your firm experienced in domestic waterline design? (Include any experience your firm has in evaluation of aquifer degradation as a result of mining.) YES

YES Description and Number of Projects: **We have extensive experience in domestic water distribution design. We have designed projects for Putnam PSD, City of Hurricane as well as the Putnam County Commission. These projects have ranged from plant upgrades, line extensions and water storage impoundments.**

NO

F. Is your firm experienced in Acid Mine Drainage Evaluation and Abatement Design?

YES Description and Number of Projects:

NO

| | | |
|---|--|--|
| 13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but keep to essentials) | | |
| NAME & TITLE (Last, First, Middle Int.) Randolph, Roger K. Project Manager/Design Engineer | YEARS OF AML DESIGN EXPERIENCE: 32 | YEARS OF AML RELATED DESIGN EXPERIENCE: 32 |
| YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 32 | | |
| Brief Explanation of Responsibilities | | |
| Project Manager and design engineer for numerous land development, domestic water distribution, storm water, earth moving projects. | | |
| EDUCATION (Degree, Year, Specialization) B.S. / 1967 / Civil Engineering – Ohio University | | |
| MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS American Society of Civil Engineers National Society of Professional Engineers | | |
| 13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but keep to essentials) | | |
| NAME & TITLE (Last, First, Middle Int.) Randolph, Aaron C. Project Manager/Design Engineer | YEARS OF AML DESIGN EXPERIENCE: 15 | YEARS OF AML RELATED DESIGN EXPERIENCE: 15 |
| YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: | | |
| Brief Explanation of Responsibilities | | |
| Project Manager and design engineer for numerous structural and civil projects including storm water drainage structures, retaining walls, earthmoving/site grading and construction engineering services. | | |
| EDUCATION (Degree, Year, Specialization) B.S. / 1992 / Civil Engineering – WV Institute of Technology M.S. / Pending Thesis – WV University | | |
| MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS American Society of Civil Engineers | | |
| REGISTRATION (Type, Year, State) Civil / 1997 / WV Survey Intern / 2002 / WV | | |

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATE RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but keep to essentials)

| | | | |
|---|--|--|--|
| NAME & TITLE (Last, First, Middle Int.) | | YEARS OF EXPERIENCE | |
| White, Jacob C. | | YEARS OF AML RELATED DESIGN EXPERIENCE: 10 | |
| Project Manager/Design Engineer | | YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: | |

Brief Explanation of Responsibilities

Project Manager and design engineer for numerous land development, roadway, storm water and permitting projects. Also, responsible for wetland and stream delineation.

EDUCATION (Degree, Year, Specialization)

B.S. / 1997 / Civil - WV Institute of Technology

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

American Society of Civil Engineers

REGISTRATION (Type, Year, State)

Civil / 2001 / WV

Civil / 2005 / VA

| | | | |
|---|--|---|--|
| NAME & TITLE (Last, First, Middle Int.) | | YEARS OF EXPERIENCE | |
| Hayes, Donald R. | | YEARS OF AML RELATED DESIGN EXPERIENCE: 29 | |
| Survey Manager/Project Manager | | YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 29 | |

Brief Explanation of Responsibilities

Manager responsible for all surveying and various land development, storm water and utility design projects.

EDUCATION (Degree, Year, Specialization)

A.S. / 1970 / Civil Engineering

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

WV Land Surveyors Association

REGISTRATION (Type, Year, State)

P.L.S. / 1991 / WV

14. PROVIDE A LIST OF SOFTWARE AND EQUIPMENT AVAILABLE IN THE PRIMARY OFFICE WHICH WILL BE USED TO COMPLETE ALL DESIGN SERVICES

SOFTWARE: Autocad 2008, Land Development Desk Top 2008, MS Word, Excel, Wordperfect, Quattro Pro, Microstation V8, In-Roads, V8

HARDWARE: 12~Pentium Desktop Computers w/21" Monitors, HP Laptop Computer, Konica BizHub Color Printer/Copier, OCE 300 Large Format Plotter/Scanner, Sharp Office Copier, HP large Format Color Plotter

SURVEY EQUIPMENT: Leica Total Stations, Topcon Hyper Plus RTK GPS System

15. CUF AT ACTIVITIES ON WHICH YOUR FIRM IS THE DESIGNATE ENGINEER OF RECORD

| PROJECT NAME, TYPE AND LOCATION | NAME AND ADDRESS OF OWNER | NATURE OF YOUR FIRM'S RESPONSIBILITY | ESTIMATED CONSTRUCTION COST | PERCENT COMPLETE |
|---|--|---|--|------------------|
| City of Hurricane Raw Water Impoundment Analysis and Permitting (Phase 2) | The City of Hurricane 3255 Teays Valley Road Hurricane, WV 25526 | Design, Analysis and Permitting | \$2,000,000 | 25% |
| City of Hurricane Sycamore Landfill Leachate Line | The City of Hurricane 3255 Teays Valley Road Hurricane, WV 25526 | Design, Analysis, Permitting and R/W | \$1,000,000 | 75% |
| WV Self Storage Stream Analysis | Mr. Rusty Reed 1677 Grannies Creek Rd Newton, WV 25266 | Hydraulic Analysis | N/A | 90% |
| Tri-State Hotels Site Design | Junior Patel | Site, Stormwater, Retaining Wall Design and Permitting | 1,200,000 | 80% |
| Augusta Engineering Flood Plain Analysis | | Hydraulic Analysis | N/A | 90% |
| Massey HQ Site Design and Access Road | Massey Energy Services 315 70 th Street S.E. Charleston, WV 25304 | Site, Stormwater, Pond Design, Access Road, Water and Sewer Design and Permitting | \$3,000,000 | 95% |
| Advocat Care Nursing Home Site Design | AB Contracting 5521 Ohio River Road Pt. Pleasant, WV 25550 | Site, Stormwater, Pond Design, Access Road, Water and Sewer Design and Permitting | \$500,000 | 95% |
| TOTAL NUMBER OF PROJECTS: | | | TOTAL ESTIMATED CONSTRUCTION COSTS: \$ | |

17. C COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM WAS THE DESIGNATED ENGINEER OF RECORD

| PROJECT NAME, TYPE AND LOCATION | NAME AND ADDRESS OF OWNER | ESTIMATED CONSTRUCTION COST | YEAR | CONSTRUCTED (YES OR NO) |
|--|---|-----------------------------|------|-------------------------|
| Toyota Stormwater Analysis Buffalo, WV | Toyota Motor Manufacturing of WV, 1 Sugar Maple Lane, Buffalo, WV 25033 | N/A | 2003 | N/A |
| The Ridges Site Development Alum Creek, WV | AB Contracting Company 5521 Ohio River Road Pt. Pleasant, WV 25550 | \$5,000,000 | 2003 | Yes |
| Castlenock Ridge Site Development Teays Valley, WV | DARR, Inc. P.O. Box 346 Scott Depot, WV 25560 | \$1,500,000 | 2005 | Yes |
| City of Hurricane Raw Water Storage Impoundment Alternative Study and Permitting | City of Hurricane 3255 Teays Valley Road Hurricane, WV 25526 | N/A | 2006 | N/A |
| Finney Branch Spillway Hydraulic Analysis | Hatfield Enterprises, Inc. 400 North Poplar Fork Road Hurricane, WV 25526 | \$500,000 | 2006 | Yes |
| Buffalo Stormwater Outfall | Town of Buffalo P.O. Box 307 Buffalo, WV 25033 | \$300,000 | 2006 | Yes |
| US Route 35/Winfield Road Center Turn Lane Project | WVDOT 1900 Kanawha Blvd. East Charleston, WV 25301 | \$4,500,000 | 2002 | No |
| Teays Church of God Access Road and Site Survey | Teays Church of God Scott Depot, WV 25560 | \$250,000 | 2006 | Yes |

18. COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM HAS BEEN A SUB-CONSULTANT TO OTHER FIRMS (INDICATE PHASE OF WORK FOR WHICH YOUR FIRM WAS RESPONSIBLE)

| PROJECT NAME, TYPE AND LOCATION | NAME AND ADDRESS OF OWNER | ESTIMATED CONSTRUCTION COST OF YOUR FIRM'S PORTION | YEAR | CONSTRUCTED (YES OR NO) | FIRM ASSOCIATED WITH |
|---|---|--|------|-------------------------|--------------------------------------|
| Little General Store HQ Building Design Beckley, WV | Cox Oil Company 623 Perkins Street Union City, TN 38261 | \$200,000 | 2006 | Yes | J. Dan Snead & Associates, Architect |
| Mt. State University Health Building Design | Mt. State University Beckley, WV | \$700,000 | 2005 | Yes | J. Dan Snead & Associates, Architect |
| | | | | | |
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19. Use this space to provide any additional information or description of resources supporting your firm's qualifications to perform work for the West Virginia Abandoned Mine Lands Program. **We have extensive experience with projects of similar scope and tasks including site design, earthmoving, hydraulic analysis, stormwater management, permitting, surveying and construction management.**

20. The foregoing is a statement of facts.
 Signature: Roger K. Randolph Title: President
 Printed Name: Roger K. Randolph Date: 9/26/08

section 7
EXPERIENCE MATRIX

AML and RELATED PROJECT EXPERIENCE MATRIX

| PROJECT | Exp. Basis C=Corp. P=Personal | Additional Info Provided in Section (s) ** | PROJECT EXPERIENCE REQUIREMENTS | | | | | | | | | | | | | PARTICIPATION/CAPACITY M=Management P=Professional *** | | | | |
|--------------------------------|-------------------------------------|--|---------------------------------------|------------------------------------|----------------------|--------------------------------------|---------------------|------------------------------|---|-----------------------------|------------------------|--|-----------------------------|-----------------|--------------------------------|---|------------------------|-------------------|----------------|-----------------|
| | | | Abandoned Surface Mine Reclamation | Abandoned Deep Mine Reclamation | Portal/Shaft Closure | Hydrologic/Hydraulic Design/Eval. | Remining Evaluation | Mine/Reuse Fire Abatement | Subsidence Investigation Mitigation | Hazardous Waste Disposal | Project Specifications | Water Quality Evaluation/Mitigation/ Replacement | Construction/Managem ent | Water Treatment | Equipment/Structure Removal | Stream Restoration | Geotechnical/Stability | Roger K. Randolph | Jacob C. White | Donald R. Hayes |
| Hurricane Water Impound. | C,P | 3 | | | | X | | | | | | | | | | | M | P | P | |
| Sycamore Landfill | C,P | 3 | | | | | | | | | | X | | | | | M,P | | P | |
| WV Storage Stream Analysis | C,P | 3 | | | | X | | | | | | | | | | | | | | |
| Augusta Eng. Flood Plain Anal. | C,P | 3 | | | | X | | | | | | | | | | | | M,P | | |
| Poplar Fork Flood Mitigation | C,P | 3 | | | | X | | | | | | | | X | | | M,P | | P | |
| Putnam PSD Water Extension | C,P | 3 | | | | | | | | | | X | | | | | M,P | | P | |
| Massey HQ Site Design | C,P | 3 | | | | X | | | | | | X | | | | | M | P | P | P |
| Finney Branch Spillway | C,P | 3 | | | | X | | | | | | | | | | | M | P | P | |
| Beaver Creek Bridges | C,P | 3 | | | | X | | | | | | | X | | | | M | | P | M,P |
| Toyota Storm Water Analysis | C,P | 3 | | | | X | | | | | | | | | | | | M,P | P | |
| Buffalo Storm Water Outfall | C,P | 3 | | | | X | | | | | | | | | X | | M | P | P | |
| Bancroft Storm Water Anal. | C,P | 3 | | | | X | | | | | | | | | | | M,P | | P | |
| The Ridges Site Development | C,P | 3 | | | | X | | | | | | | | | | X | M | P | P | |

* List whether project experience is corporate or personnel based or both.

** Use this area to provide specific sections or pages if needed for reference.

*** List Primary Design personnel and their functional capacity for the projects listed.