

September 12, 2008

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 Crooked Creek Mine Complex

DEP 14387

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 Crooked Creek Mine Complex in Harrison 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

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

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Enclosure

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PURCHASING DIVISION STATE OF WV

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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 Crooked Run #5 Mine

in Harrison County, WV.

RFP NUMBER:

DEP14387

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.

DATE:

September 24, 2008



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RFQ COPY

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

Request for Quotation DEP14387

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

ENVIRONMENTAL PROTECTION DEPARTMENT OF OFFICE OF AML&R 601 57TH STREET SE CHARLESTON, WV

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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

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 Namo: Davis | the requirements as stated. |
|--|-----------------------------|
| Vendor's Name: RANDOLPH ENGINEERING | 2 |
| uthorized Signature BANK Red Signature By Purchasing Affidavit (Revised 2010108) | Date: 9/24/07 |
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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

Sycamore Landfill

Putnam County, West Virginia



Client City of Hurricane 3255 Teays Valley Road Hurricane, West Virginia 25526

Contact Mr. Ben Newhouse, City Manager 304.562.5896

Nature of Work

The City of Hurricane in conjunction with Sycamore Landfill contracted with Randolph Engineering to design a leachate line from the landfill to the City's wastewater treatment plant located adjacent to Interstate 64 in Putnam County, West Virginia.

The project scope included line routing and location, route surveying, lift station design, cost estimating, right-of-way easements and construction administration for a 2 mile route along state highways and through private properties.

Additional responsibilities involved the coordination with various review and funding agencies as well as elected officials and the general public.

Key Personnel

Project Manager – Roger K. Randolph, P.E. Designers – Donald R. Hayes, P.L.S. & Stacey Call



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.



Beaver Creek Bridges

Nicholas County, West Virginia



Client
West Virginia Department of Transportation
Division of Highways
1900 Kanawha Boulevard, East
Charleston, West Virginia, 25305



Contact Mr. James E. Sothen, Director Engineering Division 304.558.0191

Nature of Work

As part of its ongoing bridge replacement program, the West Virginia Department of Transportation contracted with Randolph Engineering to design a replacement bridge and associated roadway widening for the existing bridges spanning Big Beaver and Little Beaver Creeks near the town of Craigsville, WV. The existing bridges were rated structurally deficient due to significant deterioration to the deck and other key components.

Founded on fully integral abutments both bridges were single span, spread box beam structures with composite reinforced concrete decks. The bridges are located in a tangent section of roadway and are on a skewed alignment.

Due the close proximity of Little Beaver Creek to the highway we relocated approximately 750 ft. of the existing channel utilizing natural stream design criteria and mitigated 1.4 acres of wetlands.

Key Personnel

Project Manager - Aaron C. Randolph, P.E.



Vienna – Water System Model

Wood County, West Virginia



Client Woolpert Consultants St. Albans, West Virginia

Contact Mr. Paul Amburgey, P.E. 304.722.1550

Nature of Work

Project involved the engineering study and development of a Cybernet Water Model for the existing and proposed expansion of the water distribution system of the city of Vienna, West Virginia. Working as sub-consultant for a nationally recognized engineering firm, we developed a model for the existing system that included the Vienna Mall area to be used to further study impacts of proposed and future developments within the system and to bring the system back to pre-contamination levels of service.

The model encompassed an existing gravity system that dates to the 1930's consisting of 6 water storage tanks with a total of 1.6 million gallons of storage, 14 pump stations and 12 water wells as well as distribution lines serving 5500 customers.

Responsibilities included obtaining current water consumption rates, pressure data at key locations, verify piping network and determining water distribution operational characteristics.

The results were incorporated into the current expansion design and allowed the City to plan for future expansion to developing areas within the City.

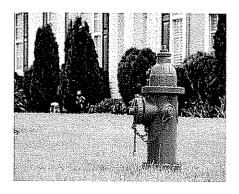
Key Personnel

Project Manager - Roger K. Randolph, P.E.



South Putnam PSD – Morrison Hollow Extension

Putnam County, West Virginia



Client South Putnam PSD Poplar Fork Road Scott Depot, West Virginia 25560

Contact Mr. Jason Henderson 304.757.6551

Nature of Work

In the early fall of 2005, South Putnam P.S.D. approached Randolph Engineering with a fast track project to extend water service to the Morrison Hollow and Ranch Lake Estates Subdivision. Due to the tight schedule, terrain and full foliage in the wooded areas of the project site the construction documents were developed on aerial photographs and printed in full color. This allowed us to save time that would have been consumed by traditional surveying. To further save time and expense, South Putnam P.S.D. utilized their own maintenance and construction crews to construct and install the water lines. The project was completed quickly and provided clean drinking water and fire service to more than 28 existing businesses and residences as well as 30 additional subdivision lots.

The project included the design and preparation of construction documents, specifications and construction administration services for a system upgrade that consisted of more than 5700 L.F. of 8" diameter water line and 3000 L.F. of 6" diameter water line as well as fire hydrants, valves, service line installation and 5 creek crossings.

Additional responsibilities included right-of-way research and right-of-way easements drawings and coordination with existing utility companies and various review and permitting agencies.

Surveying services included tie-down survey as well as construction stakeout.

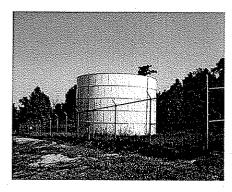
Key Personnel

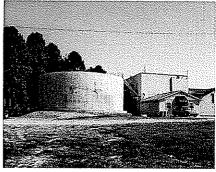
Project Manager – Roger K. Randolph, P.E. Designer – Max Dent



City of Hurricane Water System Upgrades

Putnam County, West Virginia





Client City of Hurricane 3255 Teays Valley Road Hurricane, West Virginia 25526

Contact Mr. Ben Newhouse, City Manager 304.562.5896

Nature of Work

In an effort to keep up with the current and anticipated future growth, the City of Hurricane contracted with Randolph Engineering to provide renovation and upgrade design services for their existing water treatment plant and various system upgrades. This upgrade included an analysis of the existing facility building and foundations as well as the addition of a new lab, new filter and the development of both steel and concrete alternates for a new 50' diameter clarifier.

Other plant and system upgrades have included:

- Design of various walkways and platforms as well as multiple piping configurations within the plant.
- Design, Surveying and Construction Administration services for system upgrades consisting of more than 17,000 L.F. of 12" diameter water line and 4,700 L.F. of 10" diameter water line as well as the design of a 1,000,000 gallon water storage tank including the foundations.
- Preliminary engineering study for the development of a new water storage impoundment and more than 6000' of raw water line.

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

Additional responsibilities involved the coordination with various review, permitting and funding agencies as well as elected officials and the general public.

Key Personnel

Project Manager – Roger K. Randolph, P.E. Designer – Max Dent



City of Hurricane Water Impoundment

Putnam County, West Virginia



Client City of Hurricane 3255 Teays Valley Road Hurricane, West Virginia 25526

Contact Mr. Ben Newhouse, City Manager 304.562.5896

Nature of Work

In an effort to keep up with the current and anticipated future growth, the City of Hurricane contracted with Randolph Engineering to study and recommend a solution to the extreme silt build-up at their water storage reservoir.

This project involved the study, design and contract drawings for dredging and disposing of approximately 110,000 cubic yards of sediment from the City's water reservoir. Preliminary responsibilities included the study of multiple alternatives for the disposal of the waste sediment as well as coordinating with various regulatory agencies. Close coordination with agencies including US Army Corp of Engineers, US Fish and Wildlife, WVDEP and WVDNR was critical to the success of this project. Requirements for stream and wetland mitigation, property acquisition, leasing versus buying the dredge equipment and impacts to the surrounding city park were all factors that were studied during the preliminary phase of this project.

The plan that was chosen and developed for construction involved buying the dredge equipment to be used by city personnel and the construction of a two phase detention pond that allowed for the sediment to dry before being trucked off site. This plan had the advantages of allowing maintenance operations to continue at intervals that best serve the city's long term plan for the reservoir.

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

Key Personnel

Project Manager – Roger K. Randolph, P.E. Designer – Max Dent



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 and additional 392,000 C.F. of storage.

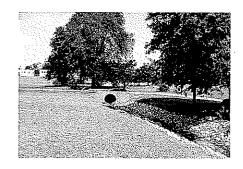
Key Personnel

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



Poplar Fork Storm Water Management

Putnam County, West Virginia



Client Putnam County Commission

400 North Poplar Fork Road Hurricane, West Virginia 25526

Contact

Mr. Jim Withrow 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.

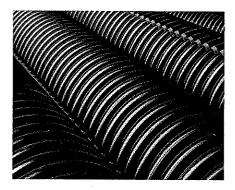
Key Personnel

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



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.

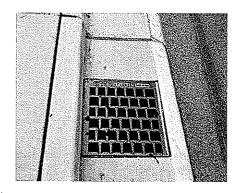
Key Personnel

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



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.



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 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.



G&G Builders, Inc. – Massey Headquarters Site

Boone County, West Virginia



Client G&G Builders, Inc. 500 Corporate Centre Drive Scott Depot, West Virginia 25560

Contact Mr. Gary Young President 304.757.9196

Nature of Work

This project involved the study, design and preparation of contract plans and related documents for the construction of a new corporate headquarter office complex located along US Route 119 in Boone County, West Virginia.

The project scope included the design of an approximately 4 acre site that overlooks US Route 119 in Boone County and included preliminary and final grading plans, storm water design including detention, utility design within the site as well as a package treatment plant and forcemain effluent discharge line. Additional responsibilities included the design of a new entrance and turn lane on US Route 119 and an access road into the site. The site design included final paving and perking design, a helipad, decorative pond with fountain, security bollard system, walking track and secondary service road design.

Surveying services included additional mapping control and construction layout.

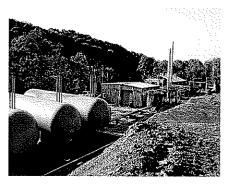
Key Personnel

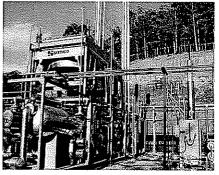
Project Manager - Jacob C. White, P.E.



Hurricane Natural Gas Processing Plant

Putnam County, West Virginia





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, 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.

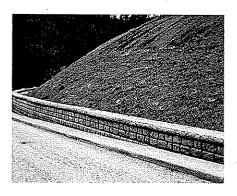
Key Personnel

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



Castlenock 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.



section 4 PERSONNEL RESUMES



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
- Land Development Engineering
- Structural Engineering
- Municipal Engineering

Representative Project Experience:

- City of Hurricane Wastewater Treatment Plant Upgrade
- Charleston Town Center Parking Structure Inspections
- · City of Hurricane Raw Water Impoundment Analysis
- Union Carbide Building 14 Structural and Foundation Design
- FAA Control Metering Building Colorado
- Rhone-Poulenc Process Gas Collection Facility Structural Design
- City of Hurricane Water Treatment Plant Upgrades
- Sycamore Landfill Leachate Line Design
- Massey Coal Services Headquarters Wastewater Treatment Plant
- · Parkline Manufacturing Facility Building and Site Design
- Central Distributing Warehouse and Office Facility Building and Site Design
- 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
- Finney Branch Spillway Design and Analysis
- Buffalo Storm Water Outfall
- Bancroft Storm Water Management

Education:

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

Professional Societies:

American Society of Civil Engineers
National Society of Professional Engineers



Registration:

P.E. – West Virginia, OH, KY, IN & IL P.L.S. – West Virginia



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
- · Highway Engineering
- Land Development Engineering
- · Structural Engineering
- · Hydraulic Analysis Permitting

Representative Project Experience:

- Culloden Bridge over CSX Railroad
- Massey Coal Services Headquarters Site Design
- WV Self Storage Hydraulic Analysis
- Augusta Engineering Floodplain Study
- Raceland High School Gymnasium Structural Design
- Hurricane Raw Water Impoundment Analysis & Permitting
- Blennerhassett Island Bridge over Ohio River Hydraulic Analysis
- Elkhorn Field Services Natural Gas Production Site and Permitting
- 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
- Abingdon, VA Federal Courthouse Perimeter Security
- Kanawha Valley Fine Jewelry Site and Permitting Design
- Upton Construction Company Mobile Home Park Site and Permitting Design
- WVU Ruby Memorial Hospital Expansion Structural Analysis

Education:

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

Certification:

N.H.I. - Bridge Inspection Team Leader

Registration:

P.E. - West Virginia, Virginia

Professional Societies:

American Society of Civil Engineers





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 & Observation

Representative Project Experience:

- Castlenock Ridge Subdivision Design & Administration
- 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





Aaron C. Randolph, P.E.

Design Engineer/Project Manager

Experience and Qualifications:

Aaron is an experienced civil engineer with a focus on bridge, structural and construction engineering projects with transportation agencies 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
- Bridge Engineering
- · Structural Engineering and Inspection
- Construction Engineering

Representative Project Experience:

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

Education:

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

Certification:

N.H.I. - Bridge Inspection Team Leader

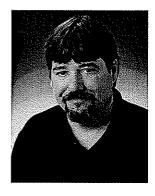
Registration:

P.E. - West Virginia

Professional Societies:

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





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
- Sycamore Landfill Leachate Line Design
- · City of Hurricane Raw Water Impoundment Mapping
- The Ridges Residential Development Phase II Mapping & Design
- · Emerald Fields Subdivision 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 Construction 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

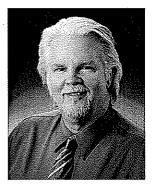
Education:

Hurricane High School, 1987

Registration:

S.I.T. - West Virginia





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)



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)
- 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
- US Route 35 Reinforced Concrete Box Culverts

Education:

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

Certification:

N.H.I. - Bridge Inspection Team Leader



section 5

SUB-CONSULTANT (Novel Geo-Environmental, PLLC)



Novel Geo-Environmental, PLLC

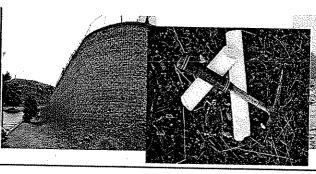
St. Albans, West Virginia

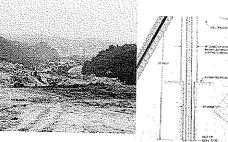
Exceptional staff.

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.

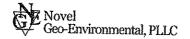
NGE is a Certified Disadvantaged Business Enterprise (DBE) in West Virginia, Pennsylvania, Ohio, Maryland, and New Jersey and is certified by the Small Business Administration as an 8(a) Small Disadvantaged Business.

West Virginia Office

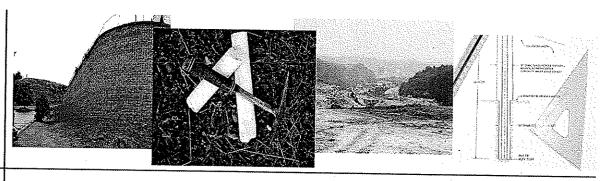
806 B Street
St. Albans, WV 25177
(304) 201-5180
(304) 201-5182 (fax)
Contact: John E. Nottingham, P.E. inottingham@novel-ge.com

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



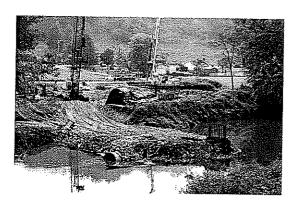


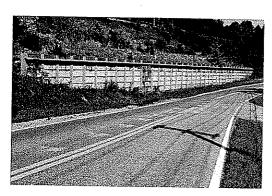


Geotechnical Engineering

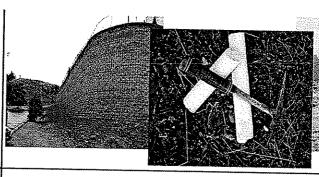
The natural complexity and variability present in the subsurface requires a specialized expertise to ensure reliable results. NGE investigates and evaluates subsurface soil, rock, and groundwater conditions to analyze their response to the needs of a given project, whether they be foundation loads, site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

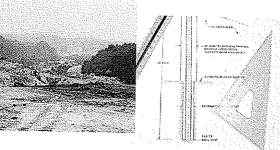
- Foundation investigations commercial/residential construction, WVDOH bridge and roadway, airport geotechnical design, public and private utilities (water storage tanks, communications towers, etc.)
- Landslide investigations/remediation slope design, retaining wall design
- Forensic Engineering/Insurance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







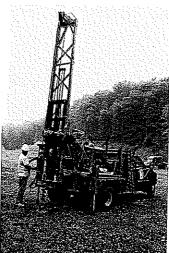




Drilling Services

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.

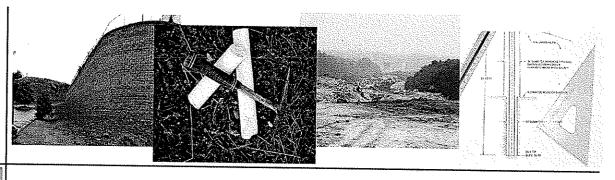


www.novel-ge.com



Novel Geo-Environmental, PLLC





Construction Monitoring and Inspection Services

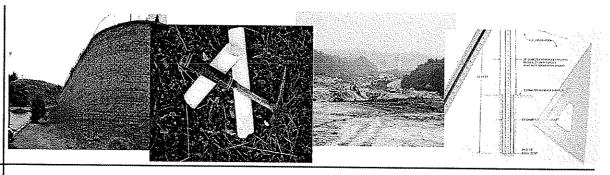
NGE offers inspection services to support a wide variety of construction projects, including highway, building, and airport. Our technicians are qualified and certified in a variety of services and will meet the specific needs of the client in an efficient and competent manner. NGE is also a West Virginia 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





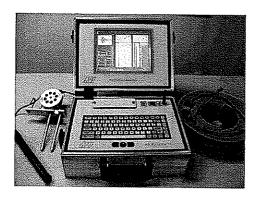




Laboratory Testing Services

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.

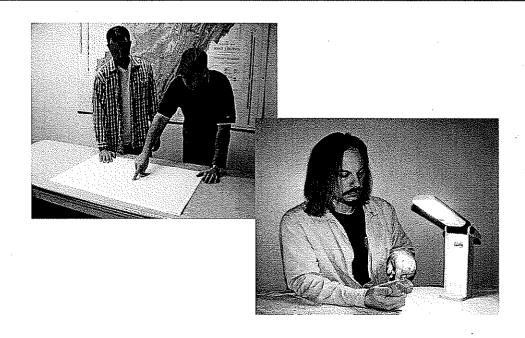




Crosshole Sonic Logging (CSL)

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

- 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)

- 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 accumluted 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

- May 2005 Present Senior Egineer, 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

- 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

- 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 oversite 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

- 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

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| | .RE Attachment "B" FEIN: | 3. FORMER FIRM NAME: | 6a. WV REGISTERED DBE: | PERSONNEL EACH OFFICE: , | . 1 | | | 20 TOTAL PERSONNELL them to | | |
|--|---------------------------|---|---|--|--|--|--|--|--|---|
| DEPARTMENT ENVIRONMENTAL CONFIDENTIAL CONFID | | 2. HOME OFFICE BUSINESS ADDRESS: 171 Montour Road Moon Township, PA 15108 | | 7002 TELEPHONE/ PERSON IN CHARGE/ NO. AML DESIGN Office Manager: John E. Nottingham, P.E No. AML Design Personnel in St. Albans, No. AML Design Personnel in Moon Townshi | RS OF FIRM: 8a. NAME, TITLE, & TELEPHONE NUMBE | g Indicates Minimum Design Team Members) | - LANDS MECHA MECHA MENTALISTS PHOTO PLANN STS SANIT SANIT SPECI | SSIONAL ENGINEERS IN PRIMARY OFFICE: work. | | BEFORE? YES |
| WEST VIRGINIA AMI CONSULTANT | PROJECT NAME: Crooked Run | 1. FIRM NAME: Novel Geo-Environmental, LLC | 4. HOME OFFICE TELEPHONE: (412) 722-1970 | 7. PRIMARY AML DESIGN OFFICE: ADDRESS/ 806 B Street St. Albans, WV 25177 304-201-5180 | | 9. PERSONNEL BY DISCIPLINE (Bold Lettering | - ADMINISTRATIVE - ECOLOGISTS - ARCHITECTS - ECONOMISTS - BIOLOGIST 1 CADD OPERATORS - ELECTRICAL ENCLODISTS - CHEMICAL ENGINEERS - ESTIMATORS 2 CIVIL ENGINEERS - ESTIMATORS 4 CONSTRUCTION INSPECTORS - HISTORIANS DESIGNERS - HYDROLOGISTS | TOTAL NUMBER OF WV REGISTERED PROFESSIONAL ENGINEERS IN PRIMARY OFFICE: *RPEs other than Civil and Mining must provide supporting documentation supervise and perform this type of work. | | 10. HAS THIS JOINT-VENTURE WORKED TOGETHER BEFO |

| USED. Attach "AML Consultant Confidential Quali. Jation | WORKED WITH BEFORE |
|---|--------------------|
| 11. OUTS 7 KEY CONSULTANTS/SUB-CONSULTANTS ANTICIPATED TO USED. Attach "AML C. Ques. Junaire" for each if convis not on file mit. "AML C. | DDRESS: SPE |

| 11. OUTS 3 KEY CONSULTANTS/SUB-CONSULTANTS ANTICIPATED TO Ques_unnaire" for each if copy is not on file with AML NAME AND ADDRESS. | USED. | Attach "AML Consultant Confidential Quali. Jation |
|--|------------|---|
| TABLE AND ADDRESS: | SPECIALTY: | WORKED WITH BEFORE |
| | | Yes |
| NAME AND ADDRESS: | SPECIALTY: | No WORKED WITH BEFORE |
| | | Yes |
| NAME AND ADDRESS: | SPECIALTY: | No WORKED WITH BEFORE |
| | | Yes |
| NAME AND ADDRESS: | SPECIALTY: | No WORKED WITH BEFORE |
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| NAME AND ADDRESS: | SPECIALTY: | NO WORKED WITH BEFORE |
| | | Yes |
| NAME AND ADDRESS: | SPECIALTY: | No WORKED WITH BEFORE |
| | | Yes |
| NAME AND ADDRESS: | SPECIALTY: | No WORKED WITH BEFORE |
| | | Yes |
| NAME AND ADDRESS: | SPECIALTY: | No WORKED WITH BEFORE |
| | | Yes |
| NAME AND ADDRESS: | SPECIALTY: | No WORKED WITH BEFORE |
| | | Yes |
| | | No |

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 subsurface investigations, cut design, mine subsidence investigations, geologic studies, groundwater seepage analysis, foundation design, retaining wall design, pavement design, subsurface drilling and monitoring well installation.

NGE has preformed a total of several hundred geotechnical engineering related projects since the company was formed While our firm has not performed any hydrology/hydraulics projects to date, our personnel have experience with YES: NGE specializes in Geotechnical Engineering including foundation investigations, subsurface investigation slope design, fill embankment analysis and design, slope stability analysis, landslide analysis and corrective (Include any experience your firm has in Remediation/Mine Reclamation Engineering? Does your firm produce its own Aerial Photography and Develop Contour Mapping? Is your firm experienced in domestic waterline design? () evaluation of aquifer degradation as a result of mining.) Is your firm experienced in hydrology and hydraulics? and has completed several drilling projects under this contract. Is your firm experienced in Abandoned Mine Lan Is your firm experienced in Acid Mine Drainage Evaluation and Abatement Design? Is your firm experienced in Soil Analysis? NO: While our fire former employers. 200 2 S S Ċ. [2] Ľ.

| Froiessional Geologist, 1999, Kentucky |
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| RY STATEMENT OF to essentials) | PRINCIPALS AND ASSOCIATE ESPONSIBLE FO | ESPONSIBLE FOR AML PROJECT DESIGN | (Furnish complete |
|---|---|--|--|
| NAME & TITLE (Last, First, Middle Int.) | | YEARS OF EXPERIENCE | |
| Nottingnam, Larry C. | YEARS OF AML DESIGN EXPERIENCE: YEARS OF 15 EXPERIEN | IGN | YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 0 |
| Brief Explanation of Responsibilities | St | | |
| Dr. Nottingham planned and supervised Triad Engineering. Projects included remedial designs, landslide investiga investigations. | unned and supervised several AML investigation and reclamation projects for Projects included burning refuse pile investigations, unstable refuse pilandslide investigations and remedial designs, subsidence investigations, | mation projects for WVI unstable refuse pile i ce investigations, and | ects for WVDEP while employed by refuse pile investigations and gations, and underground mine fire |
| EDUCATION (Degree, Year, Specialization) Bachelor of Science in Civil Engineering, Master of Science in Civil Engineering, 1 Doctor of Philosophy, 1975, Geotechnical | , 1965, Civil Engineering, 1966, Geotechnical Engineeri Engineering, University of | Inst | itute of Technology Pittsburgh |
| MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS Member, American Society of Civil Engineers Member, National Society of Professional Engin | ers Engineers | 100 | ce). IV TY H |
| SONAL HISTORY STATEMENT OF a but keep to essentials) | PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR AML PROJECT DESIGN | ` ' | PA (Furnish complete |
| NAME & TITLE (Last, First, Middle Int.) | | OF EXPERIENCE | |
| | YEARS OF AML DESIGN EXPERIENCE: YEARS OF AM EXPERIENCE: | L RELATED DESIGN | YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: |
| Brief Explanation of Responsibilities | S | | |
| | | 100000000000000000000000000000000000000 | The state of the s |
| | | The state of the s | |
| EDUCATION (Degree, Year, Specialization) | ion) | | |
| MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS | | REGISTRATION (Type, Year, State) | e) |
| | | | |

| 14. PROCE A LIST OF SOFTWARE AND EQUIPMENT AVAILABLE IN The PRIMARY OFFICE WHICH WILL BE USED TO COMPLETE AMED DESIGN SERVICES |
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| l rig |
| 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 |
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PERCENT COMPLETE Unknown 30 ‹› ESTIMATED CONSTRUCTION TOTAL ESTIMATED CONSTRUCTION COSTS: Unknown, Fee = \$6600.00 COST Unknown 15. CURK. ACTIVITIES ON WHICH YOUR FIRM IS THE DESIGNATED ENGINEER OF RECORD Perform subsurface investigation, develop NATURE OF YOUR FIRM'S investigations of abandoned mine land sites as directed by WVDEP/AML personnel. design Perform geotechnical recommendations for building foundation RESPONSIBILITY and provide (drilling) NAME AND ADDRESS OF OWNER Chesapeake Energy Corporation, 6100 N. Western Avenue, Oklahoma City, OK 73154 West Virginia Department of Environmental Protection N TOTAL NUMBER OF PROJECTS: PROJECT NAME, TYPE AND Annual Geotechnical Drilling Contract, Northern West Virginia Chesapeake Energy Office & Shop Complex, Geotechnical Investigation, Inez, KY LOCATION

| A-CONSULTANT TO OTHERS |
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| AS |
| WHICH YOUR FIRM IS SERVING |
| YOUR |
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| T ACTIVITIES |
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| TANKTI MOGI OGG | | | | | |
|--|--|---|------------------------------|----------------|-------------------|
| AND LOCATION | NATURE OF FIRMS RESPONSIBILITY | NAME AND ADDRESS OF OWNER | ESTIMATED COMPLETION DATE | ESTIMATED CON | CONSTRUCTION COST |
| Ton Coll morrow | | , muse | | ENTIRE PROJECT | YOUR FIRMS |
| Sites, Geotechnical Investigations, Various Locations Throughout WV | | Terradon Corp. Nitro, WV | March, 2008 | Unknown | Fee \$33,000 |
| Sites, 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 |
| r Hal | | West Virginia Dept. of Highways, Charleston, WV | August, 20008 | 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 |
| ruction, Y Control IG, Grant W | Feriorm soll 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 |
| | | | | | |

CONSTRUCTED (YES OR NO) Yes YEAR 2003 17. Ct. LETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM WAS THE DESIGNATED ENGINEER OF RECORD PROJECT NAME, TYPE NAME AND ADDRESS ESTIMATED CONSTRUCTION COST OF OWNER OF OWNER Sulphur Hill Greenbrier Sporting Club, \$30,000 Springs, WV

| 5 YEARS ON WHICH YOUR FILE HAS BEEN A SUB-CONSULTANT TO OTHER FIRMS (INDICATE PHASE M WAS RESPONSIBLE) | DDRESS ER | 1t of \$5,000,000 | ent of \$1,500,000 2005 Yes HNTB Corporation WV | ida Wesleyan \$500,000 R. D. Zande & Ickhannon, WV Associates, Inc. | ent of \$1,000,000 2004 Yes HMB Professional WV | \$100,000 Zeafford Consultants | nt of \$2,500,000 2003 Yes Modjeski & Masters, WV Charleston, WV | additional information or description of resources supporting your firm's k for the West Virginia Abandoned Mine Lands Program. | thingking Title: Vice President Date: 9/11/08 |
|--|---------------------------|--|---|---|---|---|--|---|---|
| MM N | S AND ADDRESS OF OWNER | # 0 | | | Jo. | lager PSD lager, WV | of | provide any additional perform work for the We | E. No 44 |
| 18. ()LETED WORK | 티 티 [| Interchange, Geotechnical Study, Mineral Wells, WV | Winefrede RR Overpass Bridge, Geotechnical Investigation, Winefrede, WV | ter. ter. estig khanr | Mt. Gay Overpass Bridge, Geotechnical Investigation, Logan, WV | Water Tanks, Geotechnical Investigation, Iager, WV | Avenu otechr vestiç ntingt | 19. Use this space to qualifications to | natur nted I |

section 6

RANDOLPH ENGINEERING WVDEP AML CCQQ

| | WEST VIRGINIA AML CONSULTANT | WEST VIRGINIA DEPARTMENT AML CONSULTANT CONFIDENTIA | ENVIRONMENTAL A QUALIFICATION | PROTECTION QUESTIONNAIRE Attachnt "B" |
|---|--|--|--|--|
| PROJECT NAME Crooked Run #5 Project | | DATE (DAY, MONTH, September 8, 2008 | YEA | FEIN 550588736 |
| 1. FIRM NAME RANDOLPH ENGINEERING CO., INC. | | 2. HOME OFFICE BUSINE P.O. BOX 346 – 4414 TEAY SCOTT DEPOT, WV 25560 | GOFFICE BUSINESS ADDRESS X 346 - 4414 TEAYS VALLEY ROAD DEPOT, WV 25560 | 3. FORMER FIRM NAME |
| 4. HOME OFFICE TELEPHONE 304.757.9217 | 5. ESTABLISHED | SHED (YEAR) | 6. TYPE OWNERSHIP CORPORATION | 6a. WV REGISTERED DBE (Disadvantaged Business Enterprise) YES |
| 7. PRIMARY AML DESIGN OFFICE: ADDRESS/ TELEPHON 4414 TEAYS VALLEY ROAD, SCOTT DEPOT, WV 25560/304 | : ADDRESS/ T | TELEPHONE/ PERSON 25560/304.757.9217/AA | IE/ PERSON IN CHARGE/ NO. AM. DESIGN .757.9217/AARON C. RANDOLPH, P.E./10 | PERSONNEL EACH OFFICE |
| 8. NAMES OF PRINCIPAL OFFICERS OR ROGER K. RANDOLPH, P.E PRESIDENT | RS OR MEMBERS | S OF FIRM | 8a. NAME, TITLE, & TELE | TELEPHONE NUMBER - OTHER PRINCIPALS |
| 9. PERSONNEL BY DISCIPLINE | | | | |
| 4 ADMINISTRATIVE ARCHITECTS BIOLOGIST 1 CADD OPERATORS CHEMICAL ENGINEERS 3 CIVIL ENGINEERS | - ECOLOGISTS - ECONOMISTS - ELECTRICAL ENG - ENVIRONMENTALI - ESTIMATORS - GEOLOGISTS - HISTORIANS | STS STS CAL ENGINEERS MENTALISTS ORS ISTS | - LANDSCAPE ARCHITECTS - MECHANICAL ENGINEERS - MINING ENGINEERS - PHOTOGRAMMETRISTS - PLANNERS: URBAN/REGIONAL - SANITARY ENGINEERS - SOTTS PMCTNEERS | ECTS — STRUCTURAL ENGINEERS EERS 1 SURVEYORS IS — TRAFFIC ENGINEERS S 2 OTHER (SURVEY PERSONNEL) REGIONAL RS |
| 3 DESIGNERS — DRAFTSMEN | - HYDROLOGISTS | GISTS | - SPECIFICATION WRITERS | 14 TOTAL PERSONNELL |
| TOTAL NUMBER OF WV REGISTERED PROFESSIONAL ENGINEERS *RPEs other than Civil and Mining must provide suppor supervise and perform this type of work. | HSTERED PROFE and Mining m this type of | STERED PROFESSIONAL ENGINES and Mining must provide sughis type of work. | IN PRIMARY OFFICE: ting documentation | 3 that qualifies them to |
| | | | | |
| | , | | | |
| 10. HAS THIS JOINT-VENTURE WORKED | ORKED TOGETHER | ER BEFORE? |] YES [] NO | |
| | | | | |

| 11. OUT? 'R KEY CONSULTANTS/SUB-CONSULTANTS ANTICI Ques, unnaire". | PATED TO USED. | Attach "AML Consultant Confidential Qual; Sation |
|--|--------------------------------|--|
| NAME AND ADDRESS: NOVEL GEO-ENVIRONMENTAL, PLLC | SPECIALTY: SOILS/ENVIRONMENTAL | WORKED WITH BEFORE |
| 806 B STREET ST. ALBANS, WV 25177 | | X Yes |
| NAME AND ADDRESS; | SPECIALTY: | WORKED WITH BEFORE |
| | | Yes |
| DOTASSACT STATE TAXABLE | | No |
| NAME AND ADDRESS: | SPECIALTY: | WORKED WITH BEFORE |
| | | Yes |
| NAME AND ADDRESS: | SPECIALTY: | WORKED WITH BEFORE |
| | | Yes |
| NAME AND ADDRESS: | SPECIALTY: | WORKED WITH BEFORE |
| | | Yes |
| NAME AND ADDRESS: | SPECIALTY: | No WORKED WITH BEFORE |
| | | Yes |
| - PROPORTING - PRO | | No |
| NAME AND ADDRESS: | SPECIALTY: | WORKED WITH BEFORE |
| | | Yes |
| NAME AND ADDRESS: | SPECIALTY: | No WORKED WITH BEFORE |
| | | Yes |
| NAME AND ADDRESS: | SPECIALTY | No WORKED WITH BEFORE |
| | | Yes Yes |
| | | No |
| | | |

| B. Its your firm experienced in Soil Analysis? YES Description and Number of Projects: NO TES Description and Number of Projects: NO TES Description and Number of Projects: We have performed more than 50 land development performent a crosion control, WVDEP and US Army COE permitting and involvement. NO Does your firm produce its own Aerial Photography and Develop Contour Mapping? NO/YE YES Description and Number of Projects: We do not produce Aerial Photography. We do develon topographic mapping from GPS and/or traditional surveying NO E. Is your firm experienced in domestic waterline design? (Include any experience your evaluation and Amarian BD, City of Hurricane as well as the Purnan County Commission. These proparation and Abatement Design? NO NO P. Its your firm experienced in Acid Mine Drainage Hopoundments. NO NO P. Its your firm experienced in Acid Mine Drainage Byaluation and Abatement Design? NO NO P. Its your firm experienced in Acid Mine Drainage Byaluation and Abatement Design? NO NO NO NO NO P. Its your firm experienced in Acid Mine Drainage Byaluation and Abatement Design? YES Description and Number of Projects: | | 4 | Is your firm experienced in Abandoned Mine Lar Remediation/Mine Reclamation Engineering? YES Description and Number of Projects: |
|--|---|----------|--|
| YES Description and Number of NO Is your firm experienced in hydr YES Description and Number of well as stand alone storm water projects sediment & erosion control, WVDEP and NO Does your firm produce its own A YES Description and Number of topographic mapping from GPS and/orth NO Is your firm experienced in dome evaluation of aquifer degradatio YES Description and Number of designed projects for Putnam PSD, City, plant upgrades, line extensions and wate NO Is your firm experienced in Acid Evaluation and Abatement Design? YES Description and Number of Evaluation and Abatement Design? | | | ON |
| Is your firm experienced in hydr VES Description and Number of Well as stand alone storm water projects sediment & erosion control, WVDEP and NO Does your firm produce its own A VES Description and Number of topographic mapping from GPS and/or th NO Is your firm experienced in dome evaluation of aquifer degradatio YES Description and Number of designed projects for Putnam PSD, City plant upgrades, line extensions and wate NO Is your firm experienced in Acid Evaluation and Abatement Design? YES Description and Number of | | œ œ | your firm experienced in Soil Description and Number of F |
| TES Description and Number of well as stand alone storm water projects sediment & erosion control, WVDEP and NO Does your firm produce its own A topographic mapping from GPS and/or to ographic mapping from GPS and/or topographic mapping from and Number of Evaluation and Abatement Design? NO Is your firm experienced in Acid Evaluation and Abatement Design? YES Description and Number of | - | | NO |
| well as stand alone storm water projects sediment & erosion control, WVDEP and NO Does your firm produce its own A topographic mapping from GPS and/or the topographi | | j | your firm experienced in hydrology and hydraulics? |
| No YES Description and Number of topographic mapping from GPS and/or to the syaluation of aquifer degradation and Number of designed projects for Putnam PSD, City plant upgrades, line extensions and wate no is your firm experienced in Acid Evaluation and Abatement Design? YES Description and Number of YES Description and Number of | | | Description and Number of as stand alone storm water projects ment & erosion control, WVDEP and |
| YES Description and Number of topographic mapping from GPS and/or the sevaluation of aquifer degradation and standard of designed projects for Putnam PSD, City plant upgrades, line extensions and wate No Is your firm experienced in Acid Evaluation and Abatement Design? YES Description and Number of YES Description and Number of | | | ON |
| topographic mapping from GPS and/or the topographic and standard topographic and the topographic topographic plant upgrades, line extensions and wate topographic mandard topographic mandard topographic topographic mandard topographic | | D. | your firm produce its own Aerial |
| Is your firm experienced in dome evaluation of aquifer degradation YES Description and Number of designed projects for Putnam PSD, City plant upgrades, line extensions and wate NO Is your firm experienced in Acid Evaluation and Abatement Design? YES Description and Number of | | | Description and Number of graphic mapping from GPS and/or to |
| is your firm experienced in dome evaluation of aquifer degradation. YES Description and Number of designed projects for Putnam PSD, City plant upgrades, line extensions and wate NO Is your firm experienced in Acid Evaluation and Abatement Design? YES Description and Number of NO NO | | | NO |
| designed projects for Putnam PSD, City plant upgrades, line extensions and wate NO Is your firm experienced in Acid Evaluation and Abatement Design? YES Description and Number of NO | | <u>ы</u> | experienced in domestic waterline design? (Include aquifer degradation as a result of mining.) YES |
| NO Is your firm experienced in Acid Evaluation and Abatement Design? YES Description and Number of F | | | 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. |
| aluation and Abatement Design? S Description and Number of | | ᄺ | in Acid |
| NO | | | luation and Abatement Design? Description and Number of F |
| | | | NO |

| 13. PER VAL HISTORY STATEMENT OF PRI dat out keep to essentials) | PRINCIPALS AND ASSOCIATE YESPO | ESPONSIBLE FOR AML PROJECT DESIGN (Furnish compl | N (Furnish compl |
|--|---|--|--|
| NAME & TITLE (Last, First, Middle Int.) | | YEARS OF EXPERIENCE | |
| Randolph, Roger K. Project Manager/Design Engineer | YEARS OF AML DESIGN EXPERIENCE: | YEARS OF AML RELATED DESIGN EXPERIENCE: 32 | YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 32 |
| Brief Explanation of Responsibilities | S | | |
| Project Manager and design engineer for numerous land development, domestic water distribution, storm water, earth moving projects. | erous land development, domestic w | vater distribution, storm water, earth | moving projects. |
| | | | |
| EDUCATION (Degree, Year, Specialization) B.S. / 1967 / Civil Engineering — Ohio University | ion) ty | | |
| MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS American Society of Civil Engineers National Society of Professional Engineers | IONS | REGISTRATION (Type, Year, State) | State) 377 / IN & IL 179 / KY |
| 13. PERSONAL HISTORY STATEMENT OF PRI data but keep to essentials) | PRINCIPALS AND ASSOCIATES RESPO | RESPONSIBLE FOR AML PROJECT DESIGN | N (Furnish complete |
| st, First, Middle Int.) | | YEARS OF EXPERIENCE | Control of the Contro |
| Randolph, Aaron C. Project Manager/Design Engineer | YEARS OF AML DESIGN EXPERIENCE: | YEARS OF AMI, RELATED DESIGN EXPERIENCE: 15 | YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: |
| Brief Explanation of Responsibilities | S | | |
| 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. | erous structural and civil projects ingineering services. | cluding storm water drainage structu | ures, retaining walls, |
| | | | |
| EDUCATION (Degree, Year, Specialization) B.S. / 1992 / Civil Engineering – WV Institute of Technology M.S. / Pending Thesis – WV University | ion) f Technology | | |
| MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS American Society of Civil Engineers | IONS | REGISTRATION (Type, Year, St Civil / 1997 / WV Survey Intern / 2002 / WV | State) |
| | | | |

| dat ut keep to essentials) | THE THE THE THE TABLE | | |
|--|-------------------------------------|---|---|
| (Last, First, Middle Int.) | | YEARS OF EXPERIENCE | |
| White, Jacob C. Project Manager/Design Engineer | YEARS OF AML DESIGN EXPERIENCE: | YEARS OF AML RELATED DESIGN EXPERIENCE: 10 | 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. | rous land development, roadway, stu | orm water and permitting projects. / | Also, responsible for wetland |
| | | | |
| EDUCATION (Degree, Year, Specialization) B.S. / 1997 / Civil – WV Institute of Technology | (no | | |
| MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS American Society of Civil Engineers | SNC | REGISTRATION (Type, Year, St Civil / 2001 / WV Civil /2005 / VA | State) |
| PERSONAL HISTORY STATEMENT OF lata but keep to essentials) | PRINCIPALS AND ASSOCIATES RESPON | RESPONSIBLE FOR AML PROJECT DESIGN | / (Furnish complete |
| (Last, First, Middle Int.) | | YEARS OF EXPERIENCE | |
| Hayes, Donald R. Survey Manager/Project Manager | YEARS OF AML DESIGN EXPERIENCE: | YEARS OF AML RELATED DESIGN EXPERIENCE: 29 | 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. | ous land development, storm water a | ind utility design projects. | |
| | | | |
| EDUCATION (Degree, Year, Specialization) A.S./1970/Civil Engineering | (uc | | · |
| MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS WV Land Surveyors Association | | REGISTRATION (Type, Year, St. P.L.S./1991/WV | State) |
| | | | |

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 SOFTWARE: Autocad 2008, Land Development Desk Top 2008, MS Word, Excel, Wordperfect, Quattro Pro, Microstation V8, In-Roads, V8 SURVEY EQUIPMENT: Leica Total Stations, Topcon Hyper Plus RTK GPS System 14. PRC /E A LIST OF SOFTWARE AND EQUIPMENT AVAILABLE IN DESIGN SERVICES

PRIMARY OFFICE WHICH WILL BE USED TO COMPLETE A.

| | NSTRUCTION PERCENT COMPLETE | ,000 | ,000 | 806 | 808 | \$0 6 | 0000 | 95% | ION COSTIS: S |
|---|---|--|--|--|--|---|--|--|-------------------------------|
| | ESTIMATED CONSTRUCTION COST | \$2,000,000 | \$1,000,000 | N/A | 1,200,000 | N/A | \$3,000,000 | \$500,000 | ESTIMATED CONSTRUCTION COSTS: |
| , | NATURE OF YOUR FIRM'S RESPONSIBILITY | Design, Analysis and Permitting | Design, Analysis, Permitting and R/W | Hydraulic Analysis | Site, Stormwater, Retaining Wall Design and Permitting | Hydraulic Analysis | Site, Stormwater, Pond Design, Access Road, Water and Sewer Design and Permitting | Site, Stormwater, Pond Design, Access Road, Water and Sewer Design and Permitting | TOTAL ESTIM |
| | NAME AND ADDRESS OF OWNER | The City of Hurricane 3255 Teays Valley Road Hurricane, WV 25526 | The City of Hurricane 3255 Teays Valley Road Hurricane, WV 25526 | Mr. Rusty Reed 1677 Grannies Creek Rd Newton, WV 25266 | Junior Patel | | Massey Energy Services 315 70th Street S.E. Charleston, WV 25304 | B Contracting 521 Ohio River Road t. Pleasant, WV 25550 | |
| | PROJECT NAME, TYPE AND LOCATION | City of Hurricane Raw Water Impoundment Analysis and Permitting (Phase 2) | y of chare | rage Stream | Tri-State Hotels Site Design | Augusta Engineering Flood Plain Analysis | Massey HQ Site Design and Access Road | Nursing sign | TOTAL NUMBER OF PROJECTS: |

T ACTIVITIES ON WHICH YOUR FIRM IS THE DESIGNATE JUGINEER OF RECORD

15. CUF

| | ESTIMATED CONSTRUCTION COST | YOUR FIRMS RESPONSIBILITY | | | | | |
|--|------------------------------------|------------------------------|--|--|---|---|--|
| RS | ESTIMATED CONS | ENTIRE PROJECT | | | | | |
| 3-CONSULTANT TO OTHERS | ESTIMATED COMPLETION DATE | | | | | | |
| i | NAME AND ADDRESS OF OWNER | | | | | | |
| AT ACTIVITIES ON WHICH YOUR FIRM IS SERVING AS A | NATURE OF FIRMS RESPONSIBILITY | | | | ` | • | |
| 16. CUR. ACTIVITI | PROJECT NAME, TYPE AND LOCATION | | | | | | |

| - C K-T-V | YEAK CONSTRUCTED (YES OR NO) | 2003 N/A | 2003 Yes | 2005 Yes | 2006 N/A | 2006 Yes | 2006 Yes | 2002 No | 2006 Yes |
|---|------------------------------|---|--|---|---|---|--|--|--|
| THE DESIGNA | CONSTRUCTLON | N/A | \$5,000,000 | \$1,500,000 | N/A | \$500,000 | \$300,000 | \$4,500,000 | \$250,000 |
| ST 5 YEARS ON WHICH YOUR FIR. AS | NAME AND ADDRESS OF OWNER | Toyota Motor Manufacturing of WV, 1 Sugar Maple Lane, Buffalo, WV 25033 | AB Contracting Company 5521 Ohio River Road Pt. Pleasant, WV 25550 | DARR, Inc. P.O. Box 346 Scott Depot, WV 25560 | City of Hurricane 3255 Teays Valley Road Hurricane, WV 25526 | Hatfield Enterprises, Inc. 400 North Poplar Fork Road Hurricane, WV 25526 | Town of Buffalo P.O. Box 307 Buffalo, WV 25033 | WVDOT 1900 Kanawha Blvd. East Charleston, WV 25301 | Teays Church of God Scott Depot, WV 25560 |
| 17. C LETED WORK WITHIN LAST PROTECT NAME TYPE | AND LOCATION | Toyota Stormwater Analysis Buffalo, WV | The Ridges Site Development Alum Creek, WV | ock Ridge Site nent lley, WV | City of Hurricane Raw Water Storage Impoundment Alternative Study and Permitting | Finney Branch Spillway Hydraulic Analysis | Buffalo Stormwater Outfall | US Route 35/Winfield Road Center Turn Lane Project | Teays Church of God Access Road and Site Survey |

| 18. C LETED WORK WORK WITHOUTH OF WORK FOR WHI | LETED WORK WITHIN LAST 5 YEARS ON WHICH Y WORK FOR WHICH YOUR FIRM WAS RESPONSIBLE) NAME TYPE NAME AND ADDRESS FIRM | OUR FIR. JAS BEEN A | SULTANT | ro other firms | |
|---|--|---|---|---|--|
| | OF OWNER | ESTIMATED CONSTRUCTION COST OF YOUR FIRM'S PORTION | YEAR | CONSTRUCTED (YES OR NO) | FIRM ASSOCIATED WITH |
| Lie Ger Buildir kley, W | 0 1 | \$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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| | | | | | |
| | to provide any additional information to perform work for the West Virginia scope and tasks including site design, earthmov gement. | or description Abandoned Mine ring, hydraulic anal | of resources s Lands Program. ysis, stormwater n | of resources supporting your firm's Lands Program. We have extensive experience with ysis, stormwater management, permitting, surveying a | firm's e experience with itting, surveying and |
| Signature for going is a Signature for Roger K. | a stabement of facts. (Millel Bh. | Title: <u>President</u> | post | Date: <u>9/23/08</u> | |
| | | | | | |

section 7 EXPERIENCE MATRIX

| AML and RELATED PROJECT EXPERIENCE MATRIX | JECT EX | PERIENCE | MATRI | | | | | |] | | | | | | | - | | | | | |
|---|---|---|---------------------------------------|-------------------------------------|--------------------------------|-------------------------------------|--------------------|---------------------------------|----------------------------|-----------------------------|------------------------|--|--|---------------------|------------------|-----------------------|------------------|-----------------------------|----------------|-----------------|-----|
| | | | | | | | PRO | JECT | PROJECT EXPERIENCE | ENCER | REQUIREMENTS | MENTS | | - | | | PARTI | PARTICIPATION/CAPACITY | CAPACI | | 1 |
| | | | | | | _ | | | - | - | - | | | - | | | Ë | M=Management P=Professional | nent P=F | rofessio | nai |
| PROJECT | Exp. Basis C=Corp. P=Personal | Additional Info Provided in Section (s) | Abandoned Surface Mine Reclamation | Abandoned Deep Mine Reclamation | Portal/Shaft Closure | Hydrologic/Hydraulic Design/Eval | noteulev3 gainime8 | Fire Abatement Subsidence | nvestigation Nitigation | etseW auobrasie lesoqei(| Project Specifications | valuation/Mitigation/ teplacement vonstruction | rspection/Managem nt Vater Treatment | q;uipment/Structure | noitsoteeR meent | eotechnical/Stability | oger K. Randolph | etirW. O door | seysH .Я bland | non C, Randolph | |
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| | | | | | | - | - | F | - | F | - | _ | | | - | | | | | | |
| Hurricane Water Impound. | a. O | 3 | | 1 | | × | | | | | × | | | | | | × | ۵ | Q. | | |
| Sycamore Landfill | B. | 8 | | | | | | | | | × | | × | | | ***** | M. | | Ω | | |
| WV Storage Stream Analysis | g. | e | | | | × | | | | | | | | | | | | G V4 | | | |
| Augusta Eng. Flood Plain Anal. | a. U | က | | | | × | | | | | | | | | | | | 0 3 | | | |
| Poplar Fork Flood Mitigation | ය ස | 3 | | | | × | | | | | × | | × | | × | | a R | | ٥ | | |
| Putnam PSD Water Extension | G,P | ю | | | | | | | | | × | | * * | | | | | | L (| | |
| Massey HQ Site Design | C,P | ო | | | | × | ļ | | <u></u> | <u> </u> | . > | <u> </u> | 1 | | | | ř. | | 1 . | | |
| Finney Branch Spillway | ر ت ت | ₈ | | | | | | | ┢ | | , | | 1 | | | | 2 | Ω. | <u>a</u> | ۵ | |
| Rosiner Crowle Delegan | | , | | | | | | | | | < | | - | _ | | | Σ | a | ۵ | | |
| T | 3 | " | | + | 1 | × | + | - | | - | × | | | × | × | × | Σ | | Ω. | M,P | |
| Toyota Storm Water Analysis | CP | 3 | | | \dashv | × | | | | | | | | | | | | o. ≥ | Δ. | | |
| Buffalo Storm Water Outfall | a. O | 8 | | | - | × | | | | | | × | | | | × | ≥ | D. | ۵ | | |
| Bancroft Storm Water Anal. | a. Č | 8 | | | | × | | | | | × | × | | | | | αW | | ۵ | | |
| The Ridges Site Development C,P | C D | 3 | - | | | × | | | **** | | × | | × | | | | W | Ω | 0 | | |
| "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 | rrience is α specific se sonnel and | orporate or ctions or partitle or the contract or the contract of the contract or the contract | personn ages if n ional caț | iel basec eeded fc sacity for | or bott r refere the pro | n. nce. jects list | ģ | | | | | | | | | | | - | | | |

Attachment "C"