



The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at ***wvOASIS.gov***. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at ***WVPurchasing.gov*** with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

Header 1



List View

General Information

Contact

Default Values

Discount

Document Information

Clarification Request

Procurement Folder: 884060

Procurement Type: Central Purchase Order

Vendor ID: 000000203864



Legal Name: S & S ENGINEERS INC

Alias/DBA:

Total Bid: \$0.00

Response Date: 06/23/2021



Response Time: 13:00

Responded By User ID: ssengineers



First Name: Jessie

Last Name: Parker, Jr.

Email: jop@s-s-eng.com

Phone: 304-342-7168

SO Doc Code: CEOI

SO Dept: 0506

SO Doc ID: BHS2100000004

Published Date: 6/2/21

Close Date: 6/23/21

Close Time: 13:30

Status: Closed

Solicitation Description: BARBOURSVILLE SCHOOL
WASTEWATER TREATMENT


Total of Header Attachments: 1

Total of All Attachments: 1



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

State of West Virginia
Solicitation Response

Proc Folder: 884060
Solicitation Description: BARBOURSVILLE SCHOOL WASTEWATER TREATMENT PLANT
Proc Type: Central Purchase Order

Solicitation Closes	Solicitation Response	Version
2021-06-23 13:30	SR 0506 ESR06232100000008401	1

VENDOR
000000203864
S & S ENGINEERS INC

Solicitation Number: CEOI 0506 BHS2100000004

Total Bid: 0 **Response Date:** 2021-06-23 **Response Time:** 13:00:29

Comments:

FOR INFORMATION CONTACT THE BUYER

Crystal G Hustead
(304) 558-2402
crystal.g.hustead@wv.gov

Vendor		
Signature X	FEIN#	DATE

All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Barboursville School Wastewater Treatment Plant Replacement				0.00

Comm Code	Manufacturer	Specification	Model #
72121505			

Commodity Line Comments:

Extended Description:

The mission or purpose of the project for which bids are being solicited is to provide engineering services for the design involving a wastewater treatment plant at The Barboursville School located at:
1535 Martha Rd.
Barboursville, WV 25504
There will be no federal funds used on this project.

BARBOURSVILLE SCHOOL



ARCHITECTURAL / ENGINEERING PROPOSAL FOR BARBOURSVILLE SCHOOL WASTEWATER TREATMENT PLANT

Presented by:

S & S Engineers, Inc.

501 EAGLE MOUNTAIN ROAD
CHARLESTON, WV 25311
(304) 342-7168

507 RICHLAND AVENUE, SUITE 201
ATHENS, OH 45701
(740) 447-5000



New River Engineering, Inc.

202 SCHOOL DRIVE
SHREWSBURY, WV 25015
(304) 595-3290





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

State of West Virginia
Centralized Expression of Interest
Architect/Engr

Proc Folder: 884060			Reason for Modification:
Doc Description: BARBOURSVILLE SCHOOL WASTEWATER TREATMENT PLANT			
Proc Type: Central Purchase Order			
Date Issued	Solicitation Closes	Solicitation No	Version
2021-06-02	2021-06-23 13:30	CEOI 0506 BHS2100000004	1

BID RECEIVING LOCATION

BID CLERK
DEPARTMENT OF ADMINISTRATION
PURCHASING DIVISION
2019 WASHINGTON ST E
CHARLESTON WV 25305
US

VENDOR

Vendor Customer Code:

Vendor Name : S & S Engineers, Inc

Address : 501 Eagle Mountain Road

Street :

City : Charleston

State : WV

Country : USA

Zip : 25311

Principal Contact : Christopher Burford

Vendor Contact Phone: (304) 342-7168

Extension:

FOR INFORMATION CONTACT THE BUYER

Crystal G Hustead
(304) 558-2402
crystal.g.hustead@wv.gov

**Vendor
Signature X**

FEIN# 55-060197

DATE 6/23/21

All offers subject to all terms and conditions contained in this solicitation

ADDITIONAL INFORMATION

THE WEST VIRGINIA PURCHASING DIVISION FOR THE AGENCY, WEST VIRGINIA DEPARTMENT OF HEALTH AND HUMAN RESOURCES, IS SOLICITING EXPRESSIONS OF INTEREST FROM QUALIFIED FIRMS TO PROVIDE PROFESSIONAL ENGINEERING SERVICES FOR THE COMPLETE DESIGN PLAN FOR CONNECTING THE BARBOURSVILLE SCHOOL WASTEWATER TO THE EXISTING VILLAGE OF BARBOURSVILLE SEWER SYSTEM PER THE ATTACHED DOCUMENTATION.

QUESTIONS REGARDING THE SOLICITATION MUST BE SUBMITTED IN WRITING TO CRYSTAL.G.HUSTEAD@WV.GOV PRIOR TO THE QUESTION PERIOD DEADLINE CONTAINED IN THE INSTRUCTIONS TO VENDORS SUBMITTING BIDS

INVOICE TO	SHIP TO
HEALTH AND HUMAN RESOURCES BBH/HF 350 CAPITOL ST, RM 350 CHARLESTON WV 25301-3702 US	STATE OF WEST VIRGINIA JOBSITE - SEE SPECIFICATIONS No City WV 99999 US

Line	Comm Ln Desc	Qty	Unit Issue
1	Barboursville School Wastewater Treatment Plant Replacement		

Comm Code	Manufacturer	Specification	Model #
72121505			

Extended Description:

The mission or purpose of the project for which bids are being solicited is to provide engineering services for the design involving a wastewater treatment plant at The Barboursville School located at:

1535 Martha Rd.
Barboursville, WV 25504

There will be no federal funds used on this project.

SCHEDULE OF EVENTS

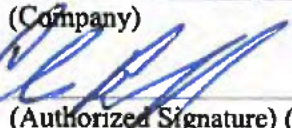
Line	Event	Event Date
1	VENDOR QUESTION DEADLINE	2021-06-11

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

S & S Engineers, Inc. Christopher Burford, COO
(Name, Title)
Christopher Burford, COO
(Printed Name and Title)
501 Eagle Mountain Road, Charleston, WV 25311
(Address)
(304) 342-7168/ (304) 342-7169
(Phone Number) / (Fax Number)
cburford@nrei-wv.com
(email address)

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that: I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

By signing below, I further certify that I understand this Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law.

S & S Engineers, Inc.
(Company)

Christopher Burford, COO
(Authorized Signature) (Representative Name, Title)

Christopher Burford, COO
(Printed Name and Title of Authorized Representative)

6/23/21
(Date)

(304) 342-7168/ (304) 342-7169
(Phone Number) (Fax Number)

West Virginia Ethics Commission
Disclosure of Interested Parties to Contracts

(Required by W. Va. Code § 6D-1-2)

Name of Contracting Business Entity: S & S Engineers, Inc Address: 501 Eagle Mountain Road

Charleston, WV 25311

Name of Authorized Agent: Christopher Burford Address: _____

Contract Number: _____ Contract Description: _____

Governmental agency awarding contract: _____

☐ Check here if this is a Supplemental Disclosure

List the Names of Interested Parties to the contract which are known or reasonably anticipated by the contracting business entity for each category below (*attach additional pages if necessary*):

1. Subcontractors or other entities performing work or service under the Contract

☒ Check here if none, otherwise list entity/individual names below.

2. Any person or entity who owns 25% or more of contracting entity (not applicable to publicly traded entities)

☒ Check here if none, otherwise list entity/individual names below.

3. Any person or entity that facilitated, or negotiated the terms of, the applicable contract (excluding legal services related to the negotiation or drafting of the applicable contract)

☒ Check here if none, otherwise list entity/individual names below.

Signature: 

Date Signed: 6/23/21

Notary Verification

State of West Virginia County of Kanawha

I, Christopher Burford, the authorized agent of the contracting business entity listed above, being duly sworn, acknowledge that the Disclosure herein is being made under oath and under the penalty of perjury.

Taken, sworn to and subscribed before me this 23 day of June, 2021.

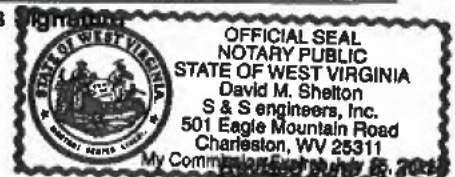
Notary Public's Signature: 

To be completed by State Agency:

Date Received by State Agency: _____

Date submitted to Ethics Commission: _____

Governmental agency submitting Disclosure: _____



STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

CONSTRUCTION CONTRACTS: Under W. Va. Code § 5-22-1(i), the contracting public entity shall not award a construction contract to any bidder that is known to be in default on any monetary obligation owed to the state or a political subdivision of the state, including, but not limited to, obligations related to payroll taxes, property taxes, sales and use taxes, fire service fees, or other fines or fees.

ALL CONTRACTS: Under W. Va. Code §5A-3-10a, 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: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that: (1) for construction contracts, the vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: Christopher Burford

Authorized Signature: 

Date: 6/23/21

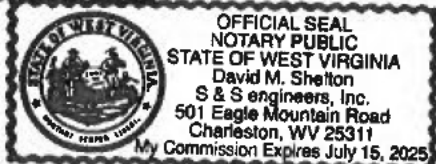
State of West Virginia

County of Kanawha, to-wit:

Taken, subscribed, and sworn to before me this 23 day of June, 2021.

My Commission expires July 15, 2021.

AFFIX SEAL HERE



NOTARY PUBLIC 

Purchasing Affidavit (Revised 01/18/2018)

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CEOI BHS2100000004

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:

(Check the box next to each addendum received)

- ☐ Addendum No. 1
- ☐ Addendum No. 2
- ☐ Addendum No. 3
- ☐ Addendum No. 4
- ☐ Addendum No. 5

- ☐ Addendum No. 6
- ☐ Addendum No. 7
- ☐ Addendum No. 8
- ☐ Addendum No. 9
- ☐ Addendum No. 10

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

S & S Engineers, Inc.

Company

Authorized Signature


6/23/21

Date

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.



S & S Engineers, Inc.
Proposal for Barboursville School

New River Engineering, Inc. 

BARBOURSVILLE SCHOOL WASTEWATER TREATMENT PLANT

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Barboursville School Wastewater Treatment Plant

EXPRESSION OF INTEREST

S & S Engineers, Inc. (S & S) and New River Engineering Inc. (NREI) is pleased to express our interest in providing engineering services to the Department of Health and Human Resources of Barboursville for the proposed project. S & S Engineers was established in 1980 and NREI was established in 1998 giving both companies a combined 60 years of experience. Our team is a West Virginia based civil / environmental engineering firm and is noted for design excellence and client focus. Our team's integrated design approach, our commitment to design quality, as well as our local architectural and construction experience will help to ensure the quality of services that we will provide to the DHHR of Barboursville and its customers. Below, please find additional qualifications that make our team uniquely qualified to assist you with your project:

We have experience in the development of similar projects throughout West Virginia and has a history of providing high quality design services throughout West Virginia, Kentucky, Ohio and Virginia. This quality has been recognized by the quantity of our repeat clients. We will use our engineering abilities and extensive design experience to the Town's advantage.

As the lead architect, Mr. Michael Noel, NCARB will lead the project effort for the DHHR. Mr. Noel has a Bachelor of Arts in Civil Architecture from Ohio University. Mr. Noel has a vast amount of experience working in the public and private sectors. Mr. Noel will be assisted by Mr. Jessie Parker, P.E., President, Mr. Matt Shelton, VP, PM, Mr. Christopher Burford, COO, PM, Mr. Ashok Sanghavi, P.E., DEE, QEP, Mr. Mike Yandrich, P.E., Mr. Randy Crace, P.S., Mr. Charles Kurzya P.E., P.S., Mr. Charles Strobe P.E., and the rest of our staff.

We have the training, experience, and multi-discipline support to meet the needs of our clients. Due to our small size our Engineers and Architects become well rounded and deeply involved with each Project. Our Engineers and Architects are able to put their heads together to create an excellent working knowledge of each project creating high quality, personalized, and professional services. We would like to thank you for this opportunity and if we can be of service to you in this matter, please don't hesitate to contact us at (304) 342-7168.



COMPANY PROFILE

S & S ENGINEERS, INC.

S & S Engineers, Inc. is an engineering, surveying, and consulting firm founded in 1980 in Charleston, WV and has been providing quality service to our clients for over 40 years. The firm is currently managed by Mr. Jessie O. Parker, P.E. - President, Mr. Christopher D. Burford - COO and Mr. Matt Shelton - Vice President. S & S has successfully provided an integrated approach to utility projects for our clients. S & S provides professional services to facility owners and operators, architects, and contractors throughout West Virginia, Kentucky, Ohio, Virginia and North Carolina and many others. S & S services range through all facets of civil engineering design as well as construction administration and project management.

S & S remains committed to the idea of providing high quality, client focused, design solutions that meet budget and schedule requirements. This commitment to quality has been recognized through the long-term client relationships that we have developed. S & S has the qualified professionals available to provide services throughout the duration of a project from the initial planning phases through construction completion and beyond.

S & S utilizes the abilities of designers with many years of experience in their area of expertise, teamed with younger designers on a "best resource for the project approach". We also provide project management services at levels ranging from general oversight to complete project delivery through all phases of design and construction. Our personnel have worked in both the private and public sector and are familiar with many methods of project delivery.

S & S has developed the following philosophy to guide the performance of its services:

- Provide superlative design services to our clients in new construction, improvements, and daily operations.
- Perform work in a timely, accurate and professional manner.
- Present multiple alternatives and solutions whenever possible.
- Work with our clients to control project costs.
- Be a technical sounding board for our clients in all situations.
- Strive to maintain professional competency through continuing education and training.

S & S utilizes a practical application approach to all projects throughout the design process to provide a well-rounded result. This methodology emphasizes the best overall solution, meeting all the client's needs, instead of just the best technical solution. We believe our small size provides a distinct advantage to our clients and affords us the freedom to easily team with the clients to achieve the overall best possible result.



COMPANY PROFILE

NEW RIVER ENGINEERING, INC.

New River Engineering, Inc. (NREI) is an engineering, surveying, and consulting firm that has been providing quality service to the industries for over 20 years. Mutual respect and trust are the cornerstones in the relationships established and maintained with our clients. NREI strives to perform all work in a professional and cost effective manner, while providing our clients with quality and excellence. NREI primarily serves the coal, oil & gas, timber, and construction industries.

Our staff combines advanced technology with many decades of surveying, mining and engineering experience and includes two professional engineers, one professional surveyor, four degreed engineers, AutoCAD/engineer technicians and ten full time survey crews.

As a full service engineering and surveying firm, NREI can provide a whole host of services to our clients including, but not limited to the following:

- Construction Design
- Construction Management
- Construction Surveying
- Geotechnical Engineering & Drilling Management
- Environmental Permitting (WVDEP, NPDES, OAQ and USACOE)
- Underground / Surface Mine Engineering
- Underground / Surface Mining Surveying
- Civil Site Design / Engineering / Planning
- Drainage Design / Engineering / HECRAS
- Aerial Mapping
- Compaction Testing with Nuclear Density Gauge
- Subsurface Utility Locate Surveys with Ground Penetrating Radar & Pipe and Cable Locators
- Ohio DNR Environmental Permitting
- Oil & Gas Surveying
- Boundary & Property / Topographical Surveying
- GPS RTK & Static Surveying
- Reserve Studies



SCOPE OF WORK

The Department of Health and Human Resources of Barboursville, located in Cabell County, West Virginia is currently in the process of selecting a consulting engineer in regard to provide engineering services for the design connecting the Barboursville School wastewater to the existing Village of Barboursville sewer system; also shutdown and remove the existing wastewater treatment plant.

The DHHR is requesting the following engineering services to be provided:

1. Complete design plan for connecting the Barboursville School wastewater to the existing Village of Barboursville sewer system.
2. Design shall include the shutdown and removal of existing wastewater treatment plant
3. All permits, fees and licenses as required



PLAN OF APPROACH

S & S Engineers, Inc. (S & S) and New River Engineering Inc. (NREI) is fully aware of community needs having served various communities in West Virginia for over 40 years. S & S and NREI believes in offering personal services as well as professional services.

S & S and NREI believes in a team approach for the development of projects. Therefore, our first task will be to meet with the Project officials to review existing data, reports, etc., and to ascertain the need of the community. Following data gathering, We will then evaluate alternatives and develop a cost-effective proposal that meets existing and future needs. Throughout the process, Project officials will be kept informed and involved in all important matters.

S & S and NREI will assist the DHHR in preparation and submission of any funding application needs. Once the funding has been secured, we will then begin to develop detailed engineering drawings and specifications for the project. As information is gathered, it will be reviewed with DHHR officials to allow comment and coordination as the project progresses. The project engineer will be involved during all phases of developing a project, obtaining funding, design and construction to assure coordination with the City personnel, and regulatory and funding agencies.

PRELIMINARY ENGINEERING REPORT

Our next task will be the preparation of a Preliminary Engineering Report (PER). Specifically, the report will be organized in accordance with regulatory and funding agency requirements as follows:

1. Introduction and Overview
2. Planning Area and Future Needs
3. Evaluation of the Existing System Decommissioning Needs
4. Proposed Improvements/Upgrades
5. Alternate Solutions
6. Cost Estimates – Capital and O & M
7. Environmental Issues
8. Public Participation
9. Final Plan Selection
10. Implementation

Prior to publication of the final report, all information will be shared and reviewed with the DHHR officials to assure that concerns are addressed.



DESIGN PHASE

S & S and NREI will prepare contract documents including plans and specification conforming to funding agencies requirements. Our design phase will be carried out as follows:

1. Define Existing Conditions
 - a. Assemble and evaluate data to eliminate conflicts and redundancy
 - b. All major decisions regarding data will be discussed with DHHR officials. Important data sources include, but are not limited to the following:
 1. Local Health and Human Resources Department
 2. City of Barboursville
 3. WV Department of Environmental Protection
 4. USDA Rural Development
 5. WV Division of Highways (DOH)
 6. Soil Conservation Service
 7. U.S. Corps of Engineers
 8. Local Citizens and Groups
2. Identify Project Work
 - a. Evaluate existing data, reports and design drawings, if available
 - b. Evaluate existing system
 - c. Evaluate environmental aspects
 - d. Summarize existing problems and make presentation
3. Preliminary Design
 - a. Preliminary layout of proposed decommissioning of existing wastewater treatment plant and connection to existing sewer system
 - b. Land surveys for mapping, rights-of-way, and / or land acquisitions
 - c. Coordination with the City, DEP, USDA-RD and DOH
 - d. Preliminary Cost Estimates
 - e. Preliminary review with the DHHR
4. Final Design
 - a. Incorporate review comments from the DHHR, DEP, USDA-RD, DOH, and other agencies
 - b. Prepare detailed specifications and final design report in accordance with state and federal guidelines
 - c. Attend public meetings
 - d. Prepare final cost estimates
 - e. Secure permits from DEP, DOH, and other agencies
 - f. Prepare bid documents
 - g. Conduct pre-bid conference
 - h. Assist in advertising for bids, attend bid opening and assist in evaluation of bids with recommendations for awarding the construction of the project(s)



CONSTRUCTION PHASE

S & S and NREI will provide the following services during the construction phase of the project:

1. Administrative Services
 - a. Assist and advise the DHHR in the preparation of construction contracts for signature(s)
 - b. Issue a "Notice to Proceed" to the appropriate Contractor(s)
 - c. Provide consultation and advise the DHHR during construction
 - d. Preparation of elementary and supplementary sketches and / or drawings required to resolve problems arising from actual field conditions encountered
 - e. Review and approve shop drawings, diagrams, illustrations, brochures, catalog data, schedules, and samples, results of tests and inspections, other data which the contractor(s) is required to submit, but only for conformance with the design concept of the Project and compliance with the information given in the contract documents
 - f. Receive and review maintenance and operating instructions, schedules, guarantees, bond and certificates of inspections which are to be assembled by the contractor(s) in accordance with the contract documents
 - g. Review and approve requests for periodic and final payments to the contractor(s)
 - h. Issue certificates of completion to the DHHR for completed construction contracts
 - i. Review original drawings and provide to the DHHR a digital copy on disk and two (2) sets of black line prints of "as-built" plans
 - j. Advise the DHHR whether the project can meet the project performance standards
 - k. Attend monthly meetings during the construction period
 - l. Represent the DHHR in technical matters and litigation, if required
 - m. Provide engineering services during start-up of the facility
 - n. Provide training to DHHR employees for the operation of the new facility
 - o. Provide one (1) year project performance certification
2. Field Services
 - a. A Qualified Design Professional will make periodic visits to the site to observe the progress and quality of the executed work, and determine, in general, if the work is proceeding in accordance with the contract documents



- b. Efforts will be directed toward providing assurance to the DHHR that the completed project will conform to the requirements of the contract documents
 - c. Make general monthly construction progress reports to the DHHR
 - d. Observe initial operation of the project, or any performance tests as required by the specifications
 - e. Make final inspection and report on the completed project
 - f. Advise the DHHR of any special test or necessary outside services that may be required to assist construction of the project
 - g. On the date, one (1) year after the initiation of the operation of the project, a Professional Engineer shall certify to the DHHR whether the project can meet the project performance standards in accordance with requirements for the project
3. Resident Inspection Services During Construction
- a. A Resident Project Representative(s) will be furnished for each construction contract (as a minimum) to provide extensive representation at the project site during the construction phase
 - b. Through more extensive on-site observations of the work in progress and field checks of materials and equipment by the Resident Project Representative(s), the DHHR will be provided further protection against defects and deficiencies in the work
 - c. In addition to the general duties outlined above, the Resident Project Representative(s) will:
 - 1. Observe the installation of approved materials and equipment and construction techniques and procedures in accordance with contract documents
 - 2. Aid in public relations activities as the construction progresses through private property
 - 3. Monitor the construction schedule and report conditions which may cause delay in completion
 - 4. Review contract documents with the contractor's superintendent
 - 5. Obtain necessary interpretations and transmit them to the contractor
 - 6. Consider the contractor's suggestions and recommendations, evaluate them and submit them with recommendations for a final decision
 - 7. Attend field meetings as directed and report on the proceedings
 - 8. Observe tests required by the contract documents, and record and report test procedures and, where applicable, the results
 - 9. Maintain records at the construction site in an orderly manner, including correspondence, change orders, supplementary drawings, requests for payment, and names and addresses of contractors, subcontractors, and principal material suppliers

10. Keep a journal or log book recording time and activities related to the project, weather conditions, nature and location of work being performed, verbal instructions and interpretations given to the contractor, and specific observations, record any occurrence of work that might result in a claim for a change of contract sum or contract time, and maintain a list of visitors, their titles, and time and purpose of their visit
11. Review applications for payment submitted by the contractor and forward them with recommendations for disposition
12. Prepare a punch list as construction nears completion and inform contractor of items on punch list
13. Assist in final inspection of the work

SPECIAL SERVICES

1. Land Surveys
 - a. Easements and right-of-way plat maps
 - b. Verify existing aboveground and underground utilities
 - c. Construction stakeout of proposed improvements of connection with existing sewer system
1. Attendance at Public Meetings to represent the DHHR on technical matters
2. Attendance at Technical Meetings with the DHHR, DEP, USDA-RD, etc.
3. Furnish technical assistance to the accountant and legal staff
4. Provide technical testimony before courts and / or administrative hearings related to the project



PROJECT EXPERIENCE

1. Nitro Regional Wastewater Utility, Kanawha County, WV

- **Description:** Planning, design, and construction management of a sewer line extension and construction of a new Belt Filter Press Building and Belt Filter Press.
- **Funding Source:** WVDEP-CWSRF
- **Project Cost:** \$8,226,840, completed project approximately \$100,000 under budget and used savings to upgrade the wastewater treatment plant headworks
- **Project Status:** Completed 2017

2. Green Valley-Glenwood PSD, Mercer County, WV

- **Description:** Planning, design, and construction management of a 1,000 gpm pump station, force main, upgrade of the UV unit at the WWTP and related work.
- **Funding Source:** WVDEP-CWSRF
- **Project Cost:** \$890,330, completed project approximately \$50,000 under budget and used savings to purchase additional equipment
- **Project Status:** Completed 2015

3. City of Sistersville, Tyler County, WV

- **Description:** Planning, design, and construction management of a new wastewater collection system in the Hanford City area with pump station and related work.
- **Funding Source:** WVDEP-CWSRF
- **Project Cost:** \$1,100,000, completed project approximately \$100,000 under budget and used savings to replace approximately 800 LF of existing sewer line
- **Project Status:** Completed 2014

4. City of St. Marys, Pleasants County, WV

- **Description:** Planning, design, and construction management of Phase II which included replacement of water and sewer lines in several city blocks, one (1) water storage tank, street paving and related work.
- **Funding Source:** WVBPH-DWTRF & WVDEP-CWSRF
- **Project Cost:** \$7,740,000, completed project approximately \$550,000 under budget and used savings to purchase equipment
- **Project Status:** Completed 2014

PROJECT EXPERIENCE

5. Nitro Regional Wastewater Utility, Kanawha County, WV

- **Description:** Planning, design, and construction management of an upgrade of the wastewater treatment plant's elevated headworks, installation of two (2) new Parshall flumes and flowmeters, construction of a new 80'x44' garage / maintenance building and replacement of Pump Station No. 7.
- **Funding Source:** WVDEP-CWSRF
- **Project Cost:** \$3,035,000, completed project approximately \$180,000 under budget and used savings to purchase equipment
- **Project Status:** Completed 2012

6. Kanawha PSD, Kanawha County, WV

- **Description:** Planning, design, and construction management of 6 miles of gravity sewer & force mains, two (2) pump stations and three (3) grinder pump stations for Winifrede Hollow.
- **Funding Source:** WVDEP-CWSRF
- **Project Cost:** \$5,370,000, completed project approximately \$450,000 under budget and used savings to purchase equipment, replaced diffusers in aeration basins at the WWTP, constructed a new laboratory
- **Project Status:** Completed 2011

7. City of St. Marys, Pleasants County, WV

- **Description:** Planning, design, and construction management of Phase I which included replacement of water and sewer lines in 12 city blocks, replacement of an existing reservoir with a 500,000-gallon water storage tank and another 270,000-gallon water storage tank.
- **Funding Source:** USDA-RD
- **Project Cost:** \$5,000,000, completed project approximately \$320,000 under budget and used savings to replace all existing meters with radio frequency meters, purchase equipment
- **Project Status:** Completed 2010

8. Town of Winfield, Putnam County, WV

- **Description:** Planning, design, and construction management of the replacement of three (3) pump stations and force mains, upgrade of one pump station, gravity sewer replacement, and lagoons cleaning with land application of sludge on farmlands.
- **Funding Source:** WVDEP-CWSRF
- **Project Cost:** \$2,300,000, completed project approximately \$130,000 under budget and used savings to purchase equipment

Project Status: Completed 2010



PROJECT MANAGEMENT

With over 100 years of combined professional experience, the project team will be made up of the following personnel, along with the rest of S & S Engineers and New River Engineering:

Jessie O. Parker, Jr., P.E. Email: jop@s-s-eng.com	President / Principal Engineer
Christopher D. Burford Email: cburford@nrei-wv.com	Chief Operating Officer
D. Matt Shelton Email: dms@s-s-eng.com	Vice President / Project Manager
Michael Noel, NCARB Email: mike.noel5050@gmail.com	Lead Architect
Michael Yandrich, P.E., M.S. Email: mjy@s-s-eng.com	Senior Engineer
Ashok M. Sanghavi, P.E., DEE, QEP Email: a.sanghavi@s-s-eng.com	Senior Engineer
Charles "Chuck" B. Kurzyna, P.E., P.S. Email: ckurzyna@nrei-wv.com	Senior Engineer
Charles "Charlie" T. Strobe, P.E. Email: cstrobe@nrei-wv.com	Senior Engineer
Randy B. Crace, P.S. Email: r.crace@s-s-eng.com	Senior Surveyor
J. Michael "Mike" Green, P.S. Email: mgreen@greenandassoc.net	Senior Surveyor
Benjamin "Ben" Treadway Email: btreadway@nrei-wv.com	Engineer / Project Manager
Vincent "Vince" Scriptunas Email: vsriptunas@nrei-wv.com	Senior Engineer
Will Harless Email: abh@s-s-eng.com	Project Manager / Engineer





S & S Engineers, Inc.
Proposal for Barboursville School

New River Engineering, Inc.



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RESUMES OF KEY PERSONNEL



Jessie O. Parker, JR., P.E.

President: S & S Engineers, Inc.

P.E.: New River Engineering, Inc.

P.E.: Green and Associates, LLC

EXPERIENCE

PROFESSIONAL ENGINEER

Mr. Parker began his career at S & S in 2003 working on a variety of environmental projects throughout West Virginia, Kentucky, Ohio and Virginia. Mr. Parker has served in the capacity of Engineer, Project Manager, and Principal in Charge for a variety of projects at S & S. This experience includes environmental, water supply, wastewater, storm water and drainage projects. Mr. Parker's responsibilities include planning, design and construction administration.

Mr. Parker also has experience in grading plans, construction management, payment request approvals, quantity & cost estimates, and has worked with City, Town & PSD personnel, regulatory and funding agencies, as well as contractors.

Mr. Parker has proven to move projects forward in a professional, cost-effective and timely manner. Has extensive knowledge of the state and federal water supply, and wastewater laws and regulations and is very familiar with federal and state grant and loan programs.

EDUCATION

Bachelor of Science

Civil Engineering
West Virginia University
December 2002

Master of Science

Engineering
Marshall University
May 2006

CERTIFICATIONS

Environmental Site
Assessment
Commercial Real Estate
December 2016

Professional Engineer (WV)
Professional Engineer (OH)
Professional Engineer (KY)
Professional Engineer (VA)
Professional Engineer (NC)

PROFESSIONAL AFFILIATIONS

Water Environment Federation
American Water Works Association
American Society of Civil Engineers
Society of American Military Engineers
West Virginia Rural Water Association
Contractors Association of West Virginia



S & S Engineers, Inc.

Proposal for Barboursville School

New River Engineering, Inc.



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Christopher D. Burford

President: New River Engineering, Inc.

COO / Sr. Project Manager : S & S Engineers, Inc.

Managing Member: Green and Associates, LLC

Managing Member: New River Safety, LLC

Managing Member: Ellison Ridge Mining, LLC

Mr. Burford has been with NREI for over fifteen years. As the President and Project Manager for New River Engineering, Inc., he is in charge of Surface and Underground Mining Permit Applications, is the Manager of Surveying Crews, manages State and Federal Safety Plans and Permits, is in charge of Construction Oversight & Construction Management, and Mine Planning.

EXPERIENCE

President and Senior Project Manager

New River Engineering Inc. (since 2004) for surface and underground mining permit applications, manager of surveying crews, state and federal safety plans and permits, mine planning

Managing Member

Green and Associates, LLC, St. Clairsville OH (since 2018) - manager and supervisor of survey crew and office personnel, business development, and coordination with clients on various projects.

Managing Member

New River Safety, LLC - Manager and Supervisor of safety instructors, electrical inspectors, and office personnel, business development, and coordination with clients and government entities

EDUCATION

Associate of Science

Civil Engineering Technology
West Virginia University, Institute of Technology, May 2004

CERTIFICATIONS

Certified Underground Coal Miner

Certified Surface Coal Miner

MSHA Certified Limited Instructor

MSHA Certified Gravimetric Dust Sampling

MSHA Certified Gravimetric Dust Calibration & Maintenance

Heartsaver First Aid, CPR & AED Certified

Safe Land USA PEC Safety

MSHA—Methane / Oxygen Deficiency Qualified

APNGA Portable Nuclear Gauge Safety & USDOT Hazmat Certified

APNGA Certificate of Achievement - Radiation Safety Officer Class

PROFESSIONAL AFFILIATIONS

Contractors Association of West Virginia

West Virginia Rural Waters Association

West Virginia Coal Association

Friends of Coal Association



S & S Engineers, Inc.

Proposal for Barboursville School

New River Engineering, Inc.



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EXPERIENCE (Christopher D. Burford)

Managing Member

Ellison Ridge Mining, LLC - management and oversight of various sub-contractors over mining, reclamation, and civil site construction projects, business development, and coordination with clients and government entities.

TECHNICIAN

Technician / Installer for HVAC Systems, service and repair on residential and commercial HVAC, cellular phone cell sites, commercial refrigeration, and the design of duct systems.

RESEARCHER

Fayette County (WV) researcher for deeds, map books, parcel properties and taxes, assessment of properties.





D. Matt Shelton

Vice President: S & S Engineers, Inc.

Project Manager: New River Engineering, Inc.

Project Manager: Green and Associates, LLC

EXPERIENCE

VICE PRESIDENT

Mr. Shelton began his career at S & S in 2004 working in civil engineering fields such as site development, water supply, wastewater, storm water and drainage. Also has experience in surveying, construction management, record keeping, quantity and payment reviews, inspection and site grading. Having worked with general contractors, subcontractors, community representatives and residents, he has developed solid techniques to move the projects in a professional, cost-effective and timely manner.

Experienced in site grading, surveying, quantity surveys, building layout, water & sewer system design and construction inspection on civil engineering projects.

Experience as Engineering Technician including design of water line extensions, water booster stations, water storage tanks, wastewater pump stations, sewer line extensions, manholes, drainage calculations, and preparation of quantity and cost estimates.

Experience as Survey Technician / Instrument man includes topographic surveys, construction stakeout for water & sewer systems and highways, building layout, cut sheets for sewer systems, GPS surveying for field control work, etc.

EDUCATION

Bachelor of Science

Civil Engineering Technology
West Virginia University
May 2005

CERTIFICATIONS

Environmental Site
Assessment
Commercial Real Estate
December 2016

PROFESSIONAL AFFILIATIONS

Water Environment Federation
Contractors Association of West Virginia





Michael Noel, NCARB
Registered Architect
Michael Noel Architect, LLC

Mr. Noel has been Principal of Michael Noel Architect for the past four years. Before establishing his firm he was Senior Principal with Panich, Noel and Associates for 32 years.

EXPERIENCE

REGISTERED ARCHITECT

Responsible for day to day design and management of various construction types for the firm.

CONSTRUCTION DOCUMENTS

As the Partner in charge Mr. Noel has been partner to oversee more than \$300 million dollars of construction documents varying from hotels, industrial buildings, churches, prisons and higher and lower education.

PROJECTS

Hotels: Morgantown-Holiday Inn - \$20,000,000
Portsmouth- Holiday Inn Remodel - \$6,000,000
Industrial: RXQ Compounding - \$5,000,000
Logan Goodyear Plant - \$3,000,000
Prisons: Septa Correctional Facility - \$4,500,000
HVCRC Youth Prison and School - \$3,000,000
Education: Athens City Schools Renovations, Roof Replacement, Additions, Bus Garage and Athlete Facilities Buildings - \$15,000,000.
Trimble Schools Building Additions and Remodeling - \$400,000.
Alexander Schools Renovations and Maintenance Facility - \$500,000.
HVCRC Gymnasium and Classroom Design - \$3,000,000.

EDUCATION

**Bachelor of Arts in
Architecture**

Ohio University
May 1974

Register NCARB
1982

Certifications

Registered (WV) Professional
Registered (OH) Professional
Registered (IL) Professional
Registered (FL) Professional

Civic Affiliations

Athens Rotary Club
Boy Scouts of America
Athletes in Action





Michael Yandrich, P.E., M.S.,
Senior Engineer: S & S Engineers, Inc.
P.E.: New River Engineering, Inc.
P.E.: Green and Associates, LLC

EXPERIENCE

Senior Engineer

Mr. Yandrich has extensive experience with water and wastewater projects working with clients from conceptual design through construction. Mr. Yandrich provides civil engineering design and oversight for the completion of plans and technical specifications for water and wastewater projects, along with permitting, cost estimates, and construction administration. Mr. Yandrich's duties include hydrologic and hydraulic analysis and design, storm water management, construction inspection, shop drawing review, project scheduling, coordination, budget management, client interaction, and project team coordination. Mr. Yandrich completes engineering calculations, studies, plans, reports, and data analysis, and he coordinates construction projects, including interim and final inspections, to determine compliance with applicable laws, regulations, and specifications.

Mr. Yandrich began his career with the State of Ohio Environmental Protection Agency working as an inspector, permit writer, and plan reviewer for a variety of hazardous waste, air pollution, water, and wastewater projects. Since leaving employment with the State of Ohio, Mr. Yandrich has worked on projects including renewable energy/electrical, structural, water, and wastewater.

Mr. Yandrich's professional and technical knowledge has led to successful water and wastewater construction and rehabilitation projects for both public and private clients. He has a working relationship with multiple municipalities around Ohio and West Virginia as well as state and local agencies to facilitate coordination and effective design and successful construction.

EDUCATION

Bachelor of Science

Civil Engineering
Ohio State University
May 1995

Master of Science

Civil Engineering
Ohio State University
December 2006

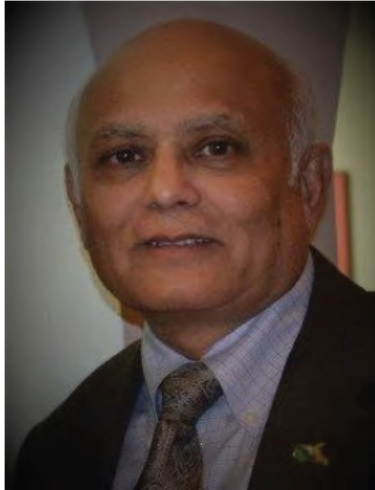
CERTIFICATIONS

Professional Engineer (WV)
Professional Engineer (OH)

PROFESSIONAL AFFILIATIONS

American Society of
Civil Engineers





Ashok M. Sanghvi, P.E., DEE, QEP
Senior Engineer: S & S Engineers, Inc.

EXPERIENCE

SENIOR ENGINEER

Over forty-six years of professional experience in civil engineering fields such as environmental, water supply, wastewater, solid wastes management, drainage, and mining. He has provided planning, design, construction management and technical expert testimony for environmental and general civil engineering projects. He has prepared Phase I environmental site assessments and carried out subsequent Phase II and Phase III remediation work. He has prepared environmental impact statements for state and federal highway projects.

Having worked for the private industry as well as state government, he thoroughly understands both sides. He has extensive knowledge of the state and federal water supply, and wastewater laws and regulations and is also very familiar with federal and state grant and loan programs.

West Virginia State Health Department

- 1) Acting Chief, Wastewater Division
- 2) District Engineer
- 3) Water Supply Engineer



S & S Engineers, Inc.
Proposal for Barboursville School

EDUCATION

Masters of Science

Civil Engineering
West Virginia University -1970

Partial Course work for Ph.D.

CERTIFICATIONS

Professional Engineer (WV)
Diplomate - American Academy of
Environmental Engineers
Qualified Environmental
Professional
IPEP

PROFESSIONAL AFFILIATIONS

West Virginia Rural Water
Association
American Water Works
Association
Water Environment Federation
(President, WV Section,
1987-1988)
(National Director 1989-92)

Award

Arthur Sidney Bedell Award,
Water Environment Federation, 1993



Charles "Chuck" Kurzyna, P.E., P.S.
Professional Engineer / Surveyor
New River Engineering, Inc. - Vice President
S & S Engineers, Inc.
Green and Associates, LLC
Member: New River Safety, LLC
Member: Ellison Ridge Mining, LLC

HIGHLIGHTS

Former President and Principal Owner of New River Engineering Inc., established in 1998. The 20-25-person consulting engineering firm has been performing surveying and engineering for the coal mining and construction industries.

Mr. Kurzyna has over 30 years of engineering and management experience in the mining industry and consulting business. He specializes in surface and underground mine design, planning, and surveying; environmental and safety permitting; project and construction management.

EDUCATION

Bachelor of Science

Mine Engineering Technology
West Virginia Institute of Technology
May 1979

Associate of Science

West Virginia Institute of Technology
May 1977

CERTIFICATIONS

Professional Engineer (WV)
Professional Engineer (OH)
Professional Engineer (PA)
Professional Engineer (VA)
Professional Engineer (KY)
Professional Engineer (GA)
Professional Surveyor (WV)
Underground Mine Foreman
Surface Mine Foreman

PROFESSIONAL AFFILIATIONS

Contractors Association of West Virginia
West Virginia Coal Association
Friends of Coal Association
Society of Mining Engineers



EXPERIENCE (Charles "Chuck" Kurzyna)

PROJECT MANAGER

Project Manager for a consulting engineering firm, responsible for job estimates and bidding, supervise office staff in engineering related projects including surface mine surveying, reclamation and permitting, reserve studies, etc.

CHIEF ENGINEER

Chief Engineer for a small mining and construction company, responsible for mine planning, production tracking, construction job bidding, construction engineering, etc.

Chief Engineer, Senior Engineer for the Lady Dunn Surface Mine & Preparation Plant; coal reserve evaluations; project engineering for mine related facilities; environmental permits for large surface and deep mining operation; etc.

PROJECT ENGINEER/SURFACE MINE FOREMAN

Project Engineer/Surface Mine Foreman whose duties were to coordinate and oversee engineering projects; preparation of surface mine permits, modifications and renewals; Supervised 3rd shift truck, shovel and loader crews on multiple seam mountaintop removal operations.

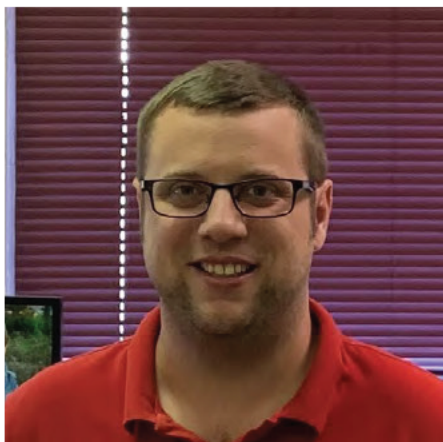
QUALITY CONTROL SUPERVISOR/PREPARATION ENGINEER

Quality Control Supervisor/Preparation Engineer whose duties were to supervise lab personnel in coal sampling, preparation and analysis for incoming and outgoing coal; determine blends for coal shipments; SPC; plant project engineering duties; computerized truck sampling system with Tema nuclear ash monitor; quality work with coal labs; barge load-out and coal analysis.

MINING/ENVIRONMENTAL ENGINEER

Mining/Environmental Engineer whose duties included project engineering work; strip and deep mine development; coal reserve evaluations; surface and deep mine permits; time studies; water analysis programs; strip mine development, deep mine layout; outside and underground surveying, and core drilling programs.





Charles T. Strobe, P.E.
Professional Engineer
New River Engineering, Inc.
S & S Engineers, Inc.
Green and Associates, LLC

Mr. Strobe returned to New River Engineering, Inc. in November 2018; he had worked with NREI earlier in his career (2010-2014) as a staff engineer.

EXPERIENCE

PROFESSIONAL ENGINEER

Responsible for mine planning and permitting, monthly production reports for clients and hazardous slope plans for oil and gas line construction.

GEOTECHNICAL ENGINEER

Geotechnical Engineer for TRC Engineers, Inc. – Charleston, WV, Project Engineer on various construction projects including US Route 35 expansion at Buffalo, WV, Jefferson Road Improvements in South Charleston, WV and the Hobet Mine Access Road in Madison, WV. Engineering Analysis performed including stability of road fills and road cuts, settlement analysis, retaining wall design, and performed boring inspection in the field.

HIGHWAY ENGINEER ASSOCIATE

Highway Engineer Associate (West Virginia Division of Highways, Charleston, WV) Responsible for performing construction inspections and preparing daily progress reports to be utilized in determining state payments to contractors.

STAFF ENGINEER

Staff Engineer at NREI (2010-2014) Responsible for updating mine maps, monthly production reports and supplying clients with updated mine maps, escape-way maps, ventilation maps etc. Engineering analysis performed on coal pillar stability.



S & S Engineers, Inc.

Proposal for Barboursville School

EDUCATION

Master of Business Administration

West Virginia University
June 2010

Bachelor of Science

Civil Engineering
West Virginia University
May 2009

Bachelor of Science

Mining Engineering
West Virginia University
May 2009

CERTIFICATIONS

Professional Engineer (WV)
Professional Engineer (OH)
Professional Engineer (KY)
Professional Engineer (MI)
Professional Engineer (IL)
Professional Engineer (PA)
Professional Engineer (MD)
APNGA Portable Nuclear Gauge
Safety & USDOT Hazmat
Certified ()
APNGA Certificate of Achievement
- Radiation Safety Officer Class
()

PROFESSIONAL AFFILIATIONS

Contractors Association of West
Virginia
West Virginia Coal Association
Friends of Coal Association

New River Engineering, Inc.





Randy B. Crace, P.S.

Senior Surveyor: S & S Engineers, Inc.

EXPERIENCE

SENIOR ENGINEER

Mr. Crace began his career at S & S in 1983 working on a variety of surveying and engineering projects. Areas of concentration in boundary surveys, mapping, topography, subdivisions, annexations, right of ways, subdivision development, construction stakeout, aerial mapping controls, GPS-RTK survey control networks, oil and gas well locations, surface and underground mining permits, construction stakeout, hydrology, erosion and sediment control plans, storm water retention systems, site grading plans, parking lot layout, WVDOH driveway permits, Cad software programs, Geographic Information Systems, Phase I - ASTM environmental site assessment and expert witness testimony in the surveying field.

U.S. Army - SP4, Honorable Discharge - 1974

EDUCATION

Bachelors of Science

Industrial Technology
West Virginia State College, Institute
December 1989

Master of Science
Environmental Studies
MUCGS, Institute of WV
Partial Course Work

CERTIFICATIONS

Environmental Site Assessment
Commercial Real Estate
Certification
ASTM E-1527 & E-1528 – October 2001
ASTM E 1527-05 Phase I and USEPA AAI
– October 2006

ACSM Surveying Instrumentation and Coordinate Computation
Certificate, 1978

Center College, Charleston, WV
Technical Degree, Drafting – 1970

Professional Surveyor (WV)
Professional Surveyor (KY)
Professional Surveyor (OH)

PROFESSIONAL AFFILIATIONS

West Virginia Association
of Land Surveyors
American Congress
on Surveying & Mapping
National Society of Professional Surveyors
American Institute of Architects, WV





John Michael “Mike” Green, P.S.
Professional Surveyor
Green and Associates, LLC

EXPERIENCE

SURVEYOR

Ohio surveyor of record specializing in oil and gas permitting, construction layout, commercial and residential surveys.

SURVEYOR / ENGINEER

Leads surveying, engineering and construction layout as well as services for residential, commercial, industrial and the oil and gas industries. Surveying included oil and gas permit plats, declaration of pooling and unitization, water transfers and pad layout and as builds, all surveys and construction layout for all Wheeling Pittsburgh Steel plants and layout of the Samis Power Plant major upgrades. Engineering services included design and construction of pump stations, water plants, large water transmissions lines, residential water and sewage design in and for Belmont County and building designs.

MINE ENGINEER

Mine Engineer for The North American Coal Corporation - Powhatan Point, OH, (12 years), in charge of all surveying services for Numbers 1, 3, 4 and 5 mines. Supervised construction projects for all mines. Prepared and submitted underground mining plans to the Mine Safety and Health Department, State of Ohio.

EDUCATION

Associate of Science
Surveying and Engineering
Technology
Lorain College
June 1970

Addition courses
Ohio University, Belmont
1971 –1972

CERTIFICATIONS

Professional Surveyor (OH)
Underground Mine Foreman





Ben Treadway
Engineer / Project Manager
New River Engineering, Inc.
S & S Engineers, Inc.
Green and Associates, LLC

Mr. Treadway is a 2005 graduate of WVU Tech with a B.S. in Civil Engineering Technology. He has over 10 years of experience in the engineering and consulting fields. Ben has experience in surveying, soil testing, and permitting and is proficient utilizing AutoCAD and SurvCadd for engineering design.

EXPERIENCE

PROJECT MANAGER

New River Engineering, Inc.—Shrewsbury, WV, Surface and Underground Mining Permit Applications, Surveying – Surface and Underground, 3D modeling, Slope Stability, USACE Permitting, Geologic Modeling, and Storm Water Construction

SURVEYOR

West Virginia Division of Homeland Security and Emergency Management – Big Chimney, WV, Performed flood elevation surveys for flooded homes in West Virginia. Used GPS to set benchmarks, determined base flood elevations, determined flood zones and stream data, filled out targeting sheets for homes with appropriate data.

BRIDGE INSPECTOR (SUMMER CO-OP PROGRAM)

West Virginia Department of Highways – Lewisburg, WV, Checked steel reinforcing placed within bridge piers for proper installation, filled out daily reports, calculated area of steel placed day-to-day, checked for proper bolt torque and installation, air and slump tested concrete poured in piers.

EDUCATION

Bachelor of Science

Civil Engineering Technology
West Virginia University Tech Fall
2005

Associate of Science

Civil Engineering Technology
West Virginia University Tech Spring
2004

CERTIFICATIONS

Dam Inspector
Underground Coal Miner
Surface Coal Miner
MSHA Certified Limited Instructor
MSHA Certified Gravimetric Dust Sampling
MSHA Certified Gravimetric Dust Calibration & Maintenance
Heartsaver First Aid, CPR & AED Certified
Safe Land USA PEC Safety

PROFESSIONAL AFFILIATIONS

Contractors Association of West Virginia
West Virginia Coal Association
Friends of Coal Association



EXPERIENCE Continued (Ben Treadway)

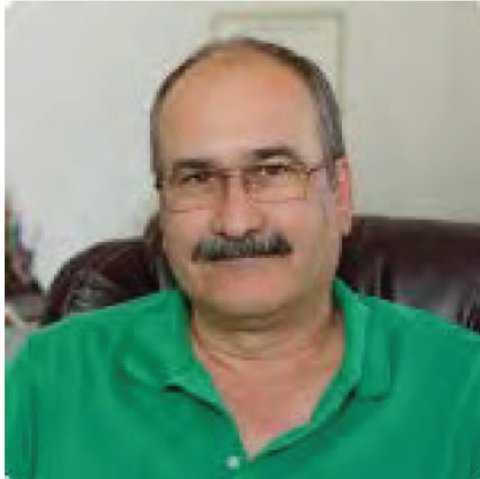
LAB TECHNICIAN

Esmer & Associates Inc. – Boomer, WV, Performed lab tests on soil, used planimetry to determine slurry pond life, fill areas, cut areas, etc., used computer to calculate lab results, aided on coal impoundments to do various monitoring tests, collected data for coal impoundment monitoring.

SURVEYOR

Fayette Engineering—Fayetteville, WV, Researched property at courthouses in various counties, operated a Total Station EDM, used HP data collector, acted as the Rodman, performed boundary surveys, developed subdivision layout (lots, roads, etc.), performed flood elevation surveys, filled out flood elevation paperwork





Vincent W. Scriptunas II
Senior Engineer
New River Engineering, Inc.
S & S Engineers, Inc.
Green and Associates, LLC

Mr. Scriptunas is a 1981 graduate of West Virginia University with a B.S. in Mining Engineering with over 30 years of experience in the mining and consulting fields. Vince specializes in surface and underground mine planning and design, reclamation and environmental permitting.

EXPERIENCE

SENIOR ENGINEER

New River Engineering, Inc. - Shrewsbury, WV, Prepare surface mine permits as required by West Virginia state regulations. Prepare surface mine NPDES permits as required by West Virginia state regulations. Evaluate mining reserves. Provide technical assistance to clients for facilitation and implementation of more effective environmental reclamation and drainage control systems.

MINE MANAGER

Horizon Natural Resources-Ashland, KY, Supervised reclamation and mining including planning of daily activity. Evaluated reclamation liability of active and abandoned permits. Responsible for insuring environmental compliance and initiating subsequent permit revisions as required. Managed the final active mining of the Sycamore South Mountaintop Mine with no lost time accidents. Prepared monthly and annual mine plans and schedules for mountain top removal operation with annual production of 1.0 million tons.

ENVIROMENTAL ENGINEER

Pittston Coal Company-Lebanon, VA, Evaluated reclamation liability of active and inactive surface mines. Implemented reclamation plans for Bandmill and Boardtree Surface Mining Complexes. Prepared surface mine permits (Article 3 and NPDES) including revisions, modifications and renewals for active Pittston West Virginia subsidiaries.

EDUCATION

Bachelor of Science

Mining Engineering
West Virginia University 1981

CERTIFICATIONS

Surface Mine Foreman
Underground Coal Miner

PROFESSIONAL AFFILIATIONS

Contractors Association of West Virginia
West Virginia Coal Association
Friends of Coal Association



EXPERIENCE Continued (Vincent W. Scriptunas II)

RESIDENT ENGINEER

Pittston Coal Company-Lebanon, VA, Prepared monthly, quarterly and annual mine plan and schedules for mountain top/contour removal operation with annual production of 1.0 million tons. Planned, organized, scheduled and monitored construction and special projects (e.g., exploration, utilities, environmental). Acted as liaison between operations and governmental agencies. Responsible for insuring environmental compliance and initiating subsequent permit revisions as required. Maintained and projected coal quality information on seam splits. Advised Division Resident Engineer on survey crew needs and supervised company crew when on job site.

ENGINEER

Mountain State Company – Shrewsbury, WV Prepared surface mine permits as required by West Virginia state regulations. Prepared air pollution control permits as required by West Virginia state regulations. Prepared surface mine NPDES permits as required by West Virginia state regulations.

MINING MANAGER

Cyprus Kanawha Corporation-Powellton, WV, Developed a mine forecast and monitored surface mining activity for a mountain top removal operation with annual production of 1.5 million tons. Prepared operations elemental budget for a truck/shovel mining operation. Developed and maintained comprehensive production analysis including yardage moved, blasting data, haulage, productivity and availability. Reviewed royalty payment system which resulted in immediate savings of \$0.5 million and future savings of approximately \$1.0 million. Forecasted highwall miner production and necessary location on a contour surface mine. Reviewed West Virginia property tax appraisal resulting in a reduced tax expense. Directly responsible for supervision and development of the surveyors and technicians.

ENGINEER

Hawks Next Mining Company (Subsidiary of Imperial Pacific Investments)-Powellton, WV, Provided planning and operational engineering support for both contour surface and underground mines. Compiled ventilation and roof control plans for underground mines as required by federal and state regulations. Prepared surface mine permits as required by West Virginia state regulations. Evaluated future surface mining reserves.

RESIDENT ENGINEER

Hawks Nest Mining Company (Subsidiary of F.H. Prince)- Powellton, WV, Provided planning and operational engineering support for underground mines with continuous and conventional sections. Generated ventilation and roof control plans for underground mine as required by federal and state regulations. Evaluated potential acquisition opportunities and provided final recommendations. Researched mining property ownership and recommended settlement which resulted in a savings of \$130,000.





Aaron B. Huston
Staff Engineer
New River Engineering, Inc.
S & S Engineers, Inc.
Green and Associates, LLC

Mr. Huston began his career at S & S Engineers, Inc. in September 2019.

EXPERIENCE

STAFF ENGINEER

Responsible for stormwater management including Pollution Prevention Plans, Ground Water Protection Plans, Spill Prevention Plans and designing stormwater management systems for construction sites, various types of permitting, developing site and topographic maps using Civil 3D, and construction inspection.

DENSITY TESTING INSPECTOR

Density Testing Inspector for Advance Testing Company, Inc. – Campbell Hall, NY, responsibilities included handling Nuclear density gauge and performing density testing on asphalt for a variety of projects in New Jersey.

EDUCATION

Bachelor of Science

Civil Engineering
West Virginia University
May 2019

CERTIFICATIONS

APNGA Portable Nuclear Gauge
Safety & USDOT Hazmat
APNGA Certificate of Achievement -
Radiation Safety Officer Class
Qualified Preparer of Stormwater
Pollution Prevention Plans
Qualified Compliance Inspector of
Stormwater
NYSHMA Density Testing Inspector
Certified QC/QA HMA Technician
OSHA

PROFESSIONAL AFFILIATIONS

Contractors Association of West Virginia





Daniel D. Craigo
Staff Engineer
New River Engineering, Inc.
S & S Engineers, Inc.
Green and Associates, LLC

Mr. Craigo began his career at New River Engineering, Inc. in January 2021; he had worked for S & S Engineers, Inc. previously in his career (2019-2020) as a junior engineer.

EXPERIENCE

STAFF ENGINEER

Responsible for stormwater management, flood studies utilizing HEC-RAS and SEDCAD along with other supplementary water analysis software and permitting for various clients.

JUNIOR ENGINEER

Junior Engineer for S & S Engineers, Inc. – Charleston, WV, projects included determining base flood elevations for various rivers and streams, designing stormwater management systems for subdivisions and construction sites, developing plans for the Lens Creek Sewer Extension in Kanawha County, WV, and construction inspection for the installation of the new retaining walls along the Elk River Trail at Coonskin Park.

STAFF ENGINEER

Staff engineer at Triad Engineering, Inc. Responsible for performing construction stormwater inspections, preparing daily reports and permitting, and design. Projects include assisting in the design of a new stormwater pipe network in Alderson, WV, determining water supply demand of future subdivision expansions, and erosion and sediment control inspections for various construction sites.

EDUCATION

Bachelor of Science

Civil Engineering
Marshall University
May 2019

CERTIFICATIONS

QSWPPP

PROFESSIONAL AFFILIATIONS

Contractors Association of West
Virginia





Will Harless

Project Manager / Engineer

New River Engineering, Inc.

S & S Engineers, Inc.

Green and Associates, LLC

Mr. Harless is a 2006 graduate of WVU Tech with a B.S. in Civil Engineering Technology. He has over 14 years of experience in the engineering and project management fields. Will has experience in surveying, regulatory compliance, environmental, and permitting in the oil & gas and mining fields and is proficient utilizing AutoCAD, SurvCadd, MicroStation for engineering design.

EXPERIENCE

PROJECT MANAGER

OH & WV Project development, Oil and Gas Permit Applications including Federal Bureau of Land Management permits, WV AST registration and inspections, Road improvements, Construction Erosion and Sediment Control

Manager Regulatory Compliance

Manage permitting operations/scheduling for resource planning and development by coordinating with land reserves, GIS units, lateral planning, surveying, platting, environmental studies, road use maintenance agreements (RUMA), site construction, water withdrawal, oil/gas well drilling, completions, operations, reclamation, and plugging. Manage regulatory operation compliance with air quality including LDAR, engine testing, maintenance, and reporting

PROJECT ENGINEER

Oil and Gas site construction—obtain needed permits for wells, baseline water testing, road use maintenance agreements with County Engineers and Townships, road entrances

EDUCATION

Bachelor of Science

Civil Engineering Technology
West Virginia University Tech Fall
2006

Associate of Science

Civil Engineering Technology
West Virginia University Tech Spring
2005

CERTIFICATIONS

Dam Inspector
Underground Coal Miner
Surface Coal Miner
Heartsaver First Aid, CPR & AED Certified
EMT-M Certification
Safe Land USA PEC Safety
DOT Hazardous Materials Transportation
Radiation Safety Officer
OSHA 30 Hour Certification
SCUBA Certification

PROFESSIONAL AFFILIATIONS

Contractors Association of West Virginia
West Virginia Coal Association
Friends of Coal Association
Ohio Oil and Gas Association



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EXPERIENCE Continued (Will Harless)

PROJECT ENGINEER (Continued)

reviews for wetlands, bats, streams, archeological review, and State Historic Preservation Office review. Site erosion and sediment control, slip repair, monitoring, inspections, water testing, and reclaim. Interaction with Federal and State regulatory agencies, land owners, and associations. Project scheduling and budget tracking.

SR ENVIRONMENTAL ENGINEER

Coal mining environmental compliance with Federal and State regulatory agencies, Engineering support for production. Manage environmental engineers, consultants, contractors, public relations, training, schedule and budget tracking, CAD design, calculations, and map work.

MINE ENGINEER

Mine plan, monthly tons and bank cubic yard calculations and reporting, schedule/analyze topographical flights. Environmental compliance and permitting for surface, deep mines, and plant with Federal and State regulatory agencies, Engineering support for production. Manage consultants, contractors, public relations, training, schedule and budget tracking. Perform: water sampling, daily reporting, environmental audits, surveying, CAD design, calculations, and map work. Quarterly and annual certifications for valley fills, impoundments, drainage ditches.

ENGINEER

Project management , surveying, CAD design, calculations, and map work. Surface mine permitting. Quarterly and annual certifications for valley fills, impoundments.

DEPARTMENT OF HIGHWAYS (SUMMER CO-OP PROGRAM)

West Virginia Department of Highways – Charleston, WV, surveying for bridge replacement design, locate utilities and site features. District rock and salt stockpile survey and volume calculation. Bridge inspections and load rating analysis and load calculations, updated bridge reports. Road expansion project included: daily asphalt application rates, excavation inspection and reporting, compaction testing and recording, construction progress per design and field change tracking. Also recorded concrete slump test and cylinder breaking test results for sidewalks and curb.

SURVEYOR (SUMMER)

Danville, WV, Researched property at courthouses in various counties, operated a Total Station EDM, used HP data collector, acted as the Rodman, performed boundary surveys.





CLIENT REFERENCES

Mr. Jeremy Lewis, General Manager
Nitro Regional Wastewater Utility (City of Nitro)
P.O. Box 607
Nitro, WV 25143
(304) 755-3669

Hon. Joetta Hatfield, Mayor
Town of Fort Gay
P.O. Box 336
Fort Gay, WV 25514
(304) 648-5246

Mr. John Rubin, Chairman
Kanawha Public Service District
P.O. Box 8
Cabin Creek, WV 25035
(304) 595-2203

Mr. John Elliot, President / Owner
American Medical Facilities Management
240 Capitol Street, Suite 500
Charleston, WV 25301
(304) 344-1623

Mr. Philip K. Farley, II
Director of Engineering & Construction
WV Division of Corrections
617 Leon Sullivan Way
Charleston, WV 25301
(304) 558-2036

Mr. Brad Leslie
WV Division of Natural Resources
324 Fourth Avenue
South Charleston, WV 25303
(304) 558-4025

Hon. Bill Rice, Mayor
City of Sistersville
200 Diamond Street
Sistersville, WV 26175
(304) 652-6361



CLIENT REFERENCES (Cont.)

Mr. Matt Hildebrand,
Trans-Canada/TC Energy
700 MacCorkle Avenue, SE
Charleston, WV 25314-1515
(304) 357-2000
(304) 894-2657

Mr. John McNew
United Coal Company
109 Appalachian Dr.
Beckley, WV 25801
(304) 255-9030
(304) 550-2324

Mr. Will Harless
Montage Resources Company
125 Putnam Street
Marietta, OH
(740) 374-2940
(304) 993-5510

Mr. Christopher Matkins, Senior Engineer
West Virginia Dept. of
Environmental Protection
1159 Nick Rahall Greenway
Fayetteville, WV 25840
(304) 574-4465

Mr. Eric Bess
Mott MacDonald
201 Pennsylvania S #400
Charleston, WV 25302
(304) 356-3010

Mr. G.R. Carr
G.R. Carr Excavation Inc.
297 Nathan Rd.
Pool, WV 26684
(304) 619-8903

Mr. Edward Brown
Blackhawk Mining, LLC
3228 Summit Square Place,
Lexington, KY
(304) 590-2487

Mr. Jamie Hake
Allegheny Contracting, LLV
13374 Boot Jack Road
Ridgway, PA 15853
(814) 772-2525

Mr. Brian Worley
Contoura Energy, LLC
208 Business St.
Beckley, WV 25801
(304) 929-6626

Mr. John McNew
United Coal Company
109 Appalachian Dr.
Beckley, WV 25801
(304) 255-9030



SAFETY

In today's ever changing workplaces, we place safety as an utmost necessity for all employees. We are fully committed to provide our employees with knowledge and training to complete all tasks in a professional manner and to prepare them with a safe and hazard free work environment.



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OUR TEAMING PARTNERS



Tempo Construction, LLC



Larson Design Group®

Larson Design Group



American Geotech, Inc.



Carr Excavating



ALLSTAR ECOLOGY
Natural Resource Specialists

Allstar Ecology



Airport Design Consultants, Inc.



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New River Engineering, Inc.






ADDITIONAL SERVICES



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Water Supply, Treatment, Storage, and Distribution Systems

With over forty years of experience, we are your one stop shop for water supply, treatment, storage, and distribution systems. We implement our four step process to each project to develop a better understanding of our clients needs and expectations: 1. Preliminary Engineering Report; 2. Design Phase; 3. Bidding Phase; 4. Construction Administration. We are “hands on” during all phases to ensure our clients obtain what they want in every project.

As a locally owned “small family” consulting firm, our clients get more for their money and receive more one-on-one time with our employees, which yields a more pleasurable experience. We excel in helping our clients ascertain funding from various governmental agencies to assist in the financing of the project.



Construction Management and Civil Site Design

We have been providing construction engineering solutions to our clients, including towns and municipalities for a combined total of over 60 years. We have established ourselves as one of the leading consulting firms in the area, and our experienced staff is committed and dedicated to your project from the initial site design and bid package development to inspections and certification.

We also offer Civil Site Design services including: sub-division layouts, commercial development and design, HCA project areas, well pads, impoundments, street paving, drainage control, solid waste landfill, and impoundment design. We know and understand the value and importance of properly designed sites that offer the most cost effective and beneficial areas for our clients.

Construction Management and Civil Site Services

- 3D Site Design
- Haulage & Access Road Design
- Excess Spoil Disposal Site Design
- Drainage design and runoff calculations
- Bid Packages
- Solid Waste Water Management and Land Fill Design
- Subdivision Design and Permit Applications
- Site Development Plans
- Pre, During & Post Construction Surveying
- HECRAS Modeling
- Stability analysis
- Site inspections / Project Management
- Certifications
- Cost Estimates
- Subdivision Design
- Street Paving Design and Drainage Control
- Construction management
- Earth Work Quantity Estimates
- Construction Staking

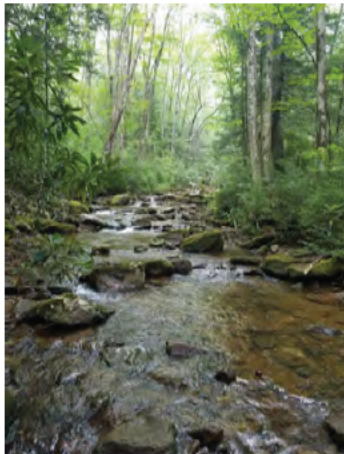


Environmental Permitting

Environmental permitting has become a complex and confusing landscape. We have an efficient and thorough team of environmental consultants making sure permitting, regulatory compliance, construction monitoring and biological surveying are done with the utmost quality and cost effectiveness. This will save your project time and money from the start, and avoid costly delays in the future. Compliance with Clean Air and Water Acts, NEPA, and other state and federal requirements is invaluable to every project. Our attention to detail and practical solutions to complex issues are second to none. Our environmental permitting team will make sure once your project is off the ground, it stays there!

Environmental Permitting Services

- Storm Water Permitting, Design, and Management
- Water Quality Monitoring
- Flood Plain Determination and Flood Elevation Certificates
- Groundwater Protection Plans
- Stream & Wetland Delineation
- Spill Prevention Control & Countermeasures Plan (SPCC)
- Article 3 Mining Permits
- Article 11 NPDES Permits
- West Virginia 401 Certification Permitting
- Waste Water Permitting, Design, & Management
- Clean Water Act Section 402 Permitting (NPDES Permit)
- United States Army Corps of Engineers 404 Permitting
- Jurisdictional Determinations
- Air Quality Permitting
- Best Management Practices (BMP)



Environmental Permitting (Cont.)

Environmental Permitting Services

- Ohio State Historic Preservation Office (SHPO)
- National Environmental Policy Act (NEPA)
- US Environmental Protection Agency (EPA)
- US Department of Justice (DOJ)
- Stormwater NPDES Permit Services
- National Conservation Planning Partnership (NRCS) & Forest Service
- United States Department of Agriculture (USDA) - Rural Development
- West Virginia Public Lands
- WV Department of Natural Resources (DNR)
- US Fish & Wildlife
- HECRAS Modeling
- WV Culture & History
- Ohio Department of Natural Resources (DNR)
- Ohio Environmental Protection Agency (EPA)
- Ohio Public Works Commission (OPWC)
- Ohio Department of Commerce / Division of Industrial Compliance
- Virginia Department of Environmental Quality (DEQ)
- Federal Aviation Administration (FAA)
- West Virginia IJDC
- West Virginia Water Development Authority
- EPA & WV DEP Compliance
- Environmental Site Assessments
- WV DEP & United States Army Corps of Engineers (USACE) Permit Services
- Local Agency Building / Construction



Surveying

We have established ourselves as one of the areas' leading surveying firms with our 40+ years of experience in property, boundary, and topographic mapping. Our staff is skilled in courthouse research, finding property evidence, providing quality property surveys, and construction stake-outs.

Additionally, we offer aerial mapping utilizing drone surveys. Our aerial mapping has been proved to be invaluable for construction progress mapping, well pad progression, subdivision layouts, and civil site designs.

Surveying Services

- Property Abstract & Research
- Boundary Surveys
- Survey Plats
- Subdivision Design & Layout
- Construction Surveying & Stakeout
- Underground Mining Surveying
- Right-of-Way & Land Acquisition
- Aerial Mapping / Control
- Drone Flight & Surveying
- Topographical Surveys
- ALTA / ACSM Land Title Surveys
- Unit Surveys
- Surface Mining Surveying
- Computer Mapping
- GPS / GIS Services



Subsurface Utility Survey

We use some of the most advanced technology in Ground Penetrating Radar (GPR), pipe and cable locators, and smoke testing machines to accurately survey, map and inspect subsurface utilities. These services have been extensively used by our clients in the construction, oil and gas industries, as well as public service districts.

Subsurface Utility Surveying Services

- Pipe and Cable Location
- Ground Penetrating Radar (GPR)
- Sewer Line Smoke Testing
- Internal Video Pipe Inspection



Geotechnical Engineering

We have professional engineers and engineering technicians with extensive geotechnical engineering experience. We specialize in compaction testing, foundation design, slope failure remediation and embankment design. We put the focus on identifying the needs of clients, and providing cost-effective solutions with real results.

Geotechnical Engineering Services

- Drilling Oversight, Management and Inspection
- Slope Failure Remediation
- Slope Stability Analysis
- Gabion Basket Wall Design
- Compaction Testing
- Foundation Design
- Embankment Design
- Drainage Analysis
- Soldier Pile Wall Design



Funding Assistance

We provide assistance for our clients in the preparation of grant / loan funding applications. We will represent our clients and coordinate with the various funding agencies to obtain a favorable funding package. Once the funding has been secured, we will begin to develop detailed engineering drawings and specifications for the project.

Funding Sources

- West Virginia Infrastructure and Jobs Development Council (WV IJDC)
- West Virginia Water Development Authority (WV WDA)
- West Virginia Bureau of Public Health - Drinking Water Treatment Revolving Fund (WV BPH-DWTRF)
- West Virginia Department of Environmental Protection - Clean Water State Revolving Fund (WV DEP-CWSRF)
- Private Bank Funding
- Appalachian Regional Commission (ARC)
- United States Department of Agriculture Development Loans (USDA-RD)
- Housing and Urban Development - Community Development Block Grant (HUD-CDBG)
- Ohio Environmental Protection Agency (Ohio EPA)
- Ohio Rural Community Assistance Program (Ohio RCAP) - Funding Assistance
- United States Army Corps of Engineers (USACOE)



Technical Expert Testimony

With over forty years of professional engineering experience, we are is more than capable of providing expert witness testimony to our clients should a need arise. We have multiple registered professional engineers in various disciplines, and these professionals are licensed throughout the United States. We are more than willing and ready in an utmost resolute manner to defend our clients and ensure that their interests are represented in the courtroom.



