



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: 1601327

Procurement Type: Central Purchase Order

Vendor ID: 000000173443

Legal Name: POTESTA & ASSOCIATES INC

Alias/DBA:

Total Bid: \$0.00

Response Date: 01/27/2025

Response Time: 13:18

Responded By User ID: KJTINGLER

First Name: Kristi

Last Name: Tingler

Email: kjtinger@potesta.com

Phone: 3045531269

SO Doc Code: CE01

SO Dept: 0310

SO Doc ID: DNR2500000002

Published Date: 1/13/25

Close Date: 1/29/25

Close Time: 13:30

Status: Closed

Solicitation Description: A&E - Buffalo and Leon Public Access Sites Improvements

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: 1601327
Solicitation Description: A&E - Buffalo and Leon Public Access Sites Improvements
Proc Type: Central Purchase Order

Solicitation Closes	Solicitation Response	Version
2025-01-29 13:30	SR 0310 ESR01272500000004526	1

VENDOR
 000000173443
 POTESA & ASSOCIATES INC

Solicitation Number: CEOI 0310 DNR2500000002
Total Bid: 0
Response Date: 2025-01-27
Response Time: 13:18:43
Comments:

FOR INFORMATION CONTACT THE BUYER

Joseph E Hager III
 (304) 558-2306
 joseph.e.hageriii@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	Civil engineering				0.00

Comm Code	Manufacturer	Specification	Model #
81101500			

Commodity Line Comments:

Extended Description:

Design and Contract Administration of Boat Launch Facilities Improvements New Construction.



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: 1601327
Doc Description: A&E - Buffalo and Leon Public Access Sites Improvements
Proc Type: Central Purchase Order
Reason for Modification:

Date Issued	Solicitation Closes	Solicitation No	Version
2025-01-13	2025-01-29 13:30	CEOI 0310 DNR2500000002	1

BID RECEIVING LOCATION

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

VENDOR

Vendor Customer Code: 000000173443
Vendor Name : Potesta & Associates, Inc.
Address : 7012
Street : MacCorkle Avenue, SE
City : Charleston
State : West Virginia **Country :** United States **Zip :** 25304
Principal Contact : Dana L. Burns, PE, PS, President
Vendor Contact Phone: (304) 342-1400 **Extension:**

FOR INFORMATION CONTACT THE BUYER

Joseph E Hager III
 (304) 558-2306
 joseph.e.hageriii@wv.gov

Vendor
 Signature X

FEIN# 31-1509066

DATE 01/22/2025

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

ADDITIONAL INFORMATION

The Acquisitions and Contract Administration Section of the Purchasing Division is soliciting Expression(s) of Interest for the Division of Natural Resources from qualified firms to provide architectural/engineering services to provide necessary engineering to evaluate, design, specify, and provide construction contract administration services for the renovation of an existing boat ramp and related facilities located along the Kanawha River in Leon, Mason County WV, and to provide the same with respect to an existing stairway at another PAS location along the Kanawha River in Buffalo, Putnam County, WV. per the attached specifications and terms and conditions.

INVOICE TO	SHIP TO
DIVISION OF NATURAL RESOURCES PARKS & RECREATION-PEM SECTION 324 4TH AVE SOUTH CHARLESTON WV 25305 US	STATE OF WEST VIRGINIA JOBSITE - SEE SPECIFICATIONS No City WV 99999 US

Line	Comm Ln Desc	Qty	Unit Issue
1	Civil engineering		

Comm Code	Manufacturer	Specification	Model #
81101500			

Extended Description:
Design and Contract Administration of Boat Launch Facilities Improvements New Construction.

SCHEDULE OF EVENTS

<u>Line</u>	<u>Event</u>	<u>Event Date</u>
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	Document Phase	Document Description	Page
DNR250000002	Final	A&E - Buffalo and Leon Public Access Sites Improvements	3

ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions

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.

(Printed Name and Title) _____

(Address) _____

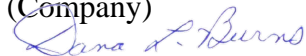
(Phone Number) / (Fax Number) _____

(email address) _____

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that: I have reviewed this Solicitation/Contract 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/Contract 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 this bid or offer was made without prior understanding, agreement, or connection with any entity submitting a bid or offer for the same material, supplies, equipment or services; that this bid or offer is in all respects fair and without collusion or fraud; that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; 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; and that pursuant to W. Va. Code 5A-3-63, the entity entering into this contract is prohibited from engaging in a boycott against Israel.

(Company)



(Signature of Authorized Representative)

(Printed Name and Title of Authorized Representative) (Date)

(Phone Number) (Fax Number)

(Email Address)

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.:

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)

- | | |
|---|--|
| <input type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> 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.

Company



Authorized Signature

Date

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

STATEMENT OF QUALIFICATIONS



PREPARED
FOR:

WEST VIRGINIA
DNR

STATE OF WEST VIRGINIA
DIVISION OF NATURAL RESOURCES
PARKS & RECREATION—PEM SECTION
324 4TH AVENUE
SOUTH CHARLESTON, WEST VIRGINIA 25305

BOAT LAUNCH FACILITIES IMPROVEMENTS



OFFICES
IN:

CHARLESTON

7012 MacCorkle Avenue, SE
Charleston, WV 25304
(304) 342-1400

MORGANTOWN

125 Lakeview Drive
Morgantown, WV 26508
(304) 225-2245

WINCHESTER

15 South Braddock Street
Winchester, VA 22601
(540) 450-0180

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APPENDIX

Resumes and Certifications A



QUALIFICATIONS

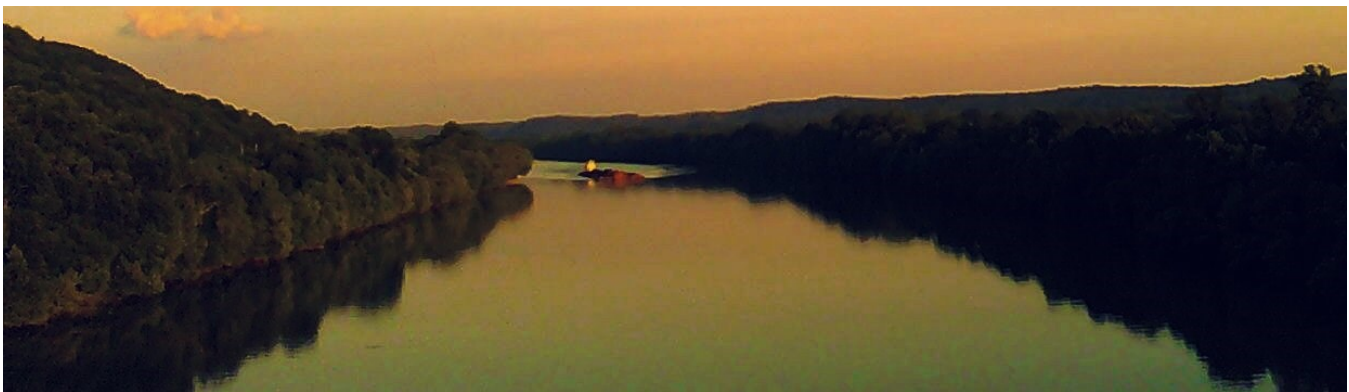


STATEMENT OF QUALIFICATIONS

QUALIFICATIONS



Potesta & Associates, Inc. (POTESTA) is pleased with the opportunity to provide engineering services to the West Virginia Division of Natural Resources (WVDNR) to evaluate, design, specify, and provide construction contract administration services for the renovation of an existing boat ramp and related facilities located along the Kanawha River in Leon, Mason County, West Virginia. The WVDNR has also requested services for the repair or replacement of an existing stairway at the Buffalo public access site (PSA) along the Kanawha River in Putnam County, West Virginia. With the growing popularity of boating and kayaking in West Virginia, there is an increasing public demand for improved river access. POTESTA understands that this project must stay within a specified budget while aligning with WVDNR's vision, objectives, and relevant codes, including Americans with Disabilities Act (ADA) - compliant pedestrian access. POTESTA will also provide permitting services to secure all necessary permits for the new Leon boat ramp and the improvements at the Buffalo PSA.



POTESTA will provide services from our Charleston, West Virginia office, conveniently located less than an hour from both project sites. Our proximity ensures swift responses to the requirements of the WVDNR and immediate access to the sites. Our extensive experience spans various engineering endeavors across West Virginia and along the Kanawha River Watershed.

Our notable recreational project experience encompasses:

- Public Boat Ramp and River Access
- Community Access/ Parking Improvement
- Trail Assessment and Enhancement
- Rail Trail Development
- Trailhead Design
- Boardwalk Rehabilitation
- Sidewalk Improvement
- Hatchery Rehabilitation
- State Park Wastewater System Improvement
- Stream Restoration
- Environmental Remediation for
- Campground
- Community Center Design
- Debris Control Structure
- Greenspace Area Design
- Waterfront Marina
- Groundwater Monitoring

In summary, POTESTA will assemble a project team with the necessary experience, proven track record, local knowledge, and familiarity with the project to ensure it is delivered on time and within budget. We view the success of this project as a significant step in enhancing the recreational resources along the Kanawha River and strengthening the community where our employees live, work, and play. We are ready to begin work as soon as the notice of award is issued.

STATEMENT OF QUALIFICATIONS

QUALIFICATIONS



BRIEF HISTORY OF FIRM

Founded in Charleston, West Virginia by Mr. Ronald R. Potesta, POTEITA is a full-service engineering and environmental consulting firm that has been delivering exceptional services across the Mid-Atlantic region since its inception. Our team is composed of skilled engineers, scientists, and support staff, with branch offices in Winchester, Virginia, and Morgantown, West Virginia. We serve a diverse range of clients, including local, state, and federal agencies, as well as industries such as mining, manufacturing, utilities, waste management, land development, legal, finance, insurance, education, construction, and architecture.



VARIED RANGE OF PROFESSIONAL SERVICES

- Air
- Biological and Toxicological
- Civil Engineering and Design
- CADD
- Construction Monitoring
- Endangered Species Consultation
- Environmental Site Assessment
- Environmental-Reclamation Liability Assessments
- GIS
- Geotechnical Engineering
- Groundwater
- Hydrology and Hydraulics Design
- Landfills and Solid Waste Management
- Land Management
- Litigation Support
- Permitting
- Remedial
- Risk-Based Remediation
- Roadway Engineering
- Sampling
- Site Design
- Solar Development
- Storage Tanks
- Stormwater Management
- Stream Restoration
- Surveying and Mapping
- Water/Wastewater Engineering
- Water Quality Studies
- Wetlands

STATEMENT OF QUALIFICATIONS

QUALIFICATIONS



LEADERSHIP

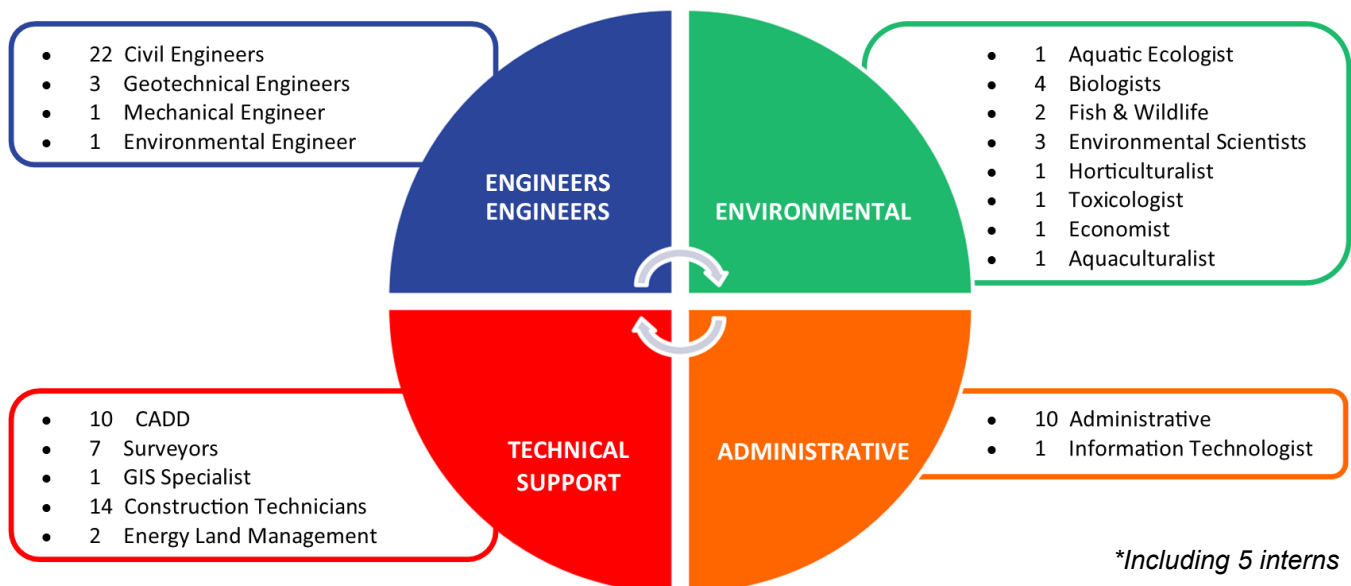
As **Chief Executive Officer** of the company, **Mr. Ronald R. Potesta** brings extensive experience, including his prior roles as Director and Deputy Director of the West Virginia Department of Natural Resources. He specializes in federal environmental regulations, statutory frameworks, and environmental guidance. His expertise also extends to agency interactions and the review of regulatory requirements and recommendations.

Dana L. Burns, PE, PS, President, has over 46 years of experience managing civil, geotechnical, mining, and environmental engineering projects. His expertise includes overseeing a wide range of tasks, from preliminary feasibility studies to detailed design, as well as preparing construction drawings, specifications, and bid documents.

Peter S. Potesta, Vice President, applies his extensive engineering expertise in his role, drawing on years of experience in overseeing complex projects and ensuring the successful execution to meet the organization's strategic goals. He focuses on geotechnical engineering, offering a wealth of knowledge in soil mechanics, slope stability, and foundation design to deliver innovative and reliable solutions for complex infrastructure projects.

David K. Paylor, Vice President of Environmental, brings over 45 years of dedicated public service in protecting natural resources in the Commonwealth of Virginia. For 16 years, he served as Director of the Virginia Department of Environmental Quality (DEQ), having been appointed by Governors Tim Kaine, Bob McDonnell, Terry McAuliffe, and Ralph Northam. He joined the firm in 2022 and now contributes his technical and policy expertise, with a particular focus on environmental permitting in Virginia.

STAFF PROFILE: 91 TOTAL*



*Including 5 interns

STATEMENT OF QUALIFICATIONS

QUALIFICATIONS



CIVIL ENGINEERING/SITE DESIGN

POTESTA's engineering team possesses extensive expertise in the various aspects of civil engineering, encompassing site development, utility/infrastructure design, roadway design, grading plan development, and stormwater management. Our diverse staff, consisting of engineers, geologists, and scientists, actively engages in these project types. They collaborate closely with project teams on a daily basis, working towards the successful completion of projects that align with and exceed the client's expectations.

Beyond providing engineering services, POTESTA is uniquely equipped to deliver environmental consulting and ensure regulatory compliance, essential components for projects of this nature. The majority of projects undertaken by POTESTA necessitate regulatory support. Our team possesses a working knowledge of the level of detail required to secure approvals for successful project outcomes.



PRELIMINARY ENGINEERING

- Site Selection
- Site Assessments
- Floodplain Determination
- Right-of-Way Assistance
- Geotechnical Explorations
- Foundation Recommendations
- Surveying/GIS Mapping
- Utility Planning
- Earthwork Evaluations
- Opinion of Probable Costs/Engineer's Construction Cost Estimate
- Permitting and Regulatory Compliance

DESIGN SERVICES

- Geometric Site Layout
- Vehicular and Pedestrian Circulation
- Grading and Drainage Plans, Including Excavation and Fill Optimization
- Access Road Design
- Hydraulic Structure Design
- Water and Sewer Design
- Earth Retaining Structures Design
- Slope Stability Analysis
- Subsurface Drainage System Design
- Construction Drawings, Specifications, and Contract Document Preparation

STATEMENT OF QUALIFICATIONS

QUALIFICATIONS



HYDROLOGY AND HYDRAULICS DESIGN

POTESTA has a wealth of expertise in applying hydrology and hydraulic principles to the design of real-world systems. With a profound understanding of the physical and environmental processes that govern water flow, our engineers design solutions that efficiently manage water resources while minimizing risks. We leverage advanced tools, proven methodologies, and industry best practices to create optimized solutions that are specifically tailored to the unique conditions of each project site.

We have provided these services to a diverse range of public and private sector clients. Our team not only possesses in-depth technical expertise but also has extensive experience working with state, federal, and local regulatory agencies. We understand the specific requirements and level of detail these agencies need, ensuring that we can secure the necessary approvals efficiently and on schedule.



PRELIMINARY ENGINEERING

- Floodplain Management Permits
- Floodway Studies — FEMA, NFIP, flood elevation surveys/certifications, flood routing
- Dam Break Analysis
- Hydrology Surveys
- Stream Gauging
- Rainfall and Flow Data Collection
- Environmental Impact Assessments
- Geotechnical Explorations

DESIGN SERVICES

- Drainage Structure Sizing — Stream relocations, culverts, channels
- Pond and Dam Design — Sediment ponds and basins, spillways, slurry impoundments, lagoons, dams
- Detention/Retention Systems — ponds, pipes, underground bladders
- Stormwater Management System Design
- Pressure Pipe Systems
- Stream Restoration Plans
- Natural Stream Channel Design/Restoration

STATEMENT OF QUALIFICATIONS

QUALIFICATIONS



ROADWAY DESIGN

Designing roads and planning construction projects necessitates a diverse skill set and a comprehensive understanding of the standards, specifications, and approval procedures set forth by the West Virginia Division of Highways (WVDOH). POTESTA brings vast expertise in civil, environmental, and geotechnical engineering, along with hydrology and hydraulic design, to a wide array of projects. These include designing roadways for WVDOH initiatives, access roads for industrial/business parks, educational institutions, commercial enterprises, and residential developments, and parking lots to support efficient traffic flow and maximize available space. Additionally, we specialize in creating new roadways and enhancing existing ones through widening, incorporating turning lanes, and implementing other improvements.

PRELIMINARY ENGINEERING

- Project Conception
- Environmental Assessment
- NEPA Compliance
- Permitting
- Geotechnical Explorations and Recommendations
- Surveying/Mapping
- Alignment and Grading
- Utility Coordination

DESIGN SERVICES

- Flexible and Rigid Pavement Design
- Drainage Design — Surface and non-surface, side drains, cross drains, inlets and catch basins, outfalls
- Safety Features — Sidewalks, crosswalks, bike lanes, signage
- Stormwater Management — Detention/retention ponds, infiltration basins
- Erosion Control
- Preparation of Construction, Right-of-Way Plans, and Specifications
- Construction Phase Services



STATEMENT OF QUALIFICATIONS

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NON-TRADITIONAL TRANSPORTATION DESIGN

Designing boardwalks and trails involves a combination of aesthetic, environmental, and functional considerations to create safe, enjoyable, and environmentally sustainable pathways for pedestrians and cyclists. POTESTA has worked on various trail projects involving collaboration with community stakeholders to create designs to serve the needs of the community for non-motorized users. Designing construction and right-of-way plans for transportation projects demands a diverse skill set and an in-depth understanding of the standards, specifications, and approval procedures set forth by the WVDOH.



TRAIL AND BOARDWALK DESIGN

- **Site Analysis** — Thorough analysis of site (topography, soil conditions, hydrology, vegetation, existing infrastructure, and natural and cultural features).
- **Accessibility** — Includes features like ramps, handrails, and signage for users with varying abilities.
- **Safety** — Install signage and wayfinding elements to guide users along the trail.
- **Survey and Mapping** — Understand the terrain and landscape features along the trail route and create detailed maps including existing structures, utilities, and any potential obstacles.
- **Alignment Design** — Considering grade, curves, and elevation changes and minimize steep grades to ensure accessibility.
- **Environmental** — Minimize ecological impact to sensitive habitats and incorporate green infrastructure features.
- **Trail Width and Surface Design** — Determine the appropriate width and select suitable trail surfaces.
- **Boardwalk/Tunnel Design** — Overcome obstacles such as water bodies, wetlands, or roadways.
- **Drainage and Erosion Control** — Implement drainage solutions to prevent water accumulation on the trail and incorporate erosion control measures to protect the trail and surrounding environment.
- **Regulatory Compliance** — Adhere to local, state, and federal regulations and obtain necessary permits for construction and environmental impact assessments.

STATEMENT OF QUALIFICATIONS

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NON-TRADITIONAL TRANSPORTATION DESIGN

Sidewalk design involves various considerations to ensure safe, accessible, and functional pathways for pedestrians. POTESTA is experienced and knowledgeable of the requirements, guidelines, and various manuals for the design of sidewalks, including WVDOH Encroachment Permit (MM-109) and ADA-compliant sidewalk design. In addition to our vast roadway engineering design experience, POTESTA can also complete applications for permits and obtain approvals necessary to meet the project needs. These permits are typically processed and finalized during the design development stages of a project.



SIDEWALK DESIGN

- **Site Analysis** — Thorough assessment of the site including existing infrastructure, land use patterns, pedestrian traffic volumes, soil conditions, drainage patterns, and potential obstacles or constraints.
- **Alignment and Layout** — Determine based on pedestrian circulation patterns, adjacent land uses, street geometries, and safety considerations.
- **Width and Clearance** — Determine width based on pedestrian volumes and site-specific conditions and ensure adequate clearance for pedestrians, street furniture, trees, utility poles, and other features.
- **Curb Ramps and Crossings** — Design at curb ramps at intersections and crossings to provide accessible pathways for pedestrians of varying abilities.
- **Safety Features** — Incorporate safety features such as marked crosswalks, pedestrian signals, curb extensions, refuge islands, and lighting to enhance safety for pedestrians.
- **Grading and Drainage** — Provide adequate drainage and prevent ponding or runoff onto sidewalk surface. Design cross slopes to accommodate water drainage.
- **Landscaping and Street Furniture** — Integrate landscaping, street furniture, and amenities along the sidewalk to enhance the pedestrian experience and create a pleasant environment.
- **Regulatory Compliance** — Comply with applicable local, state, and federal regulations and standards including accessibility requirements.
- **Maintenance and Management** — Develop maintenance plans to ensure the long-term upkeep of the sidewalk infrastructure, including regular inspections, cleaning, repairs, snow removal, and coordination with local agencies and property owners to address maintenance needs promptly.

STATEMENT OF QUALIFICATIONS

QUALIFICATIONS



GEOTECHNICAL ENGINEERING

POTESTA can provide field engineers and geologists who are knowledgeable using the latest technologies subsurface explorations, monitoring well and piezometer installations, foundation design recommendations, slope stability analysis, retaining walls, and remedial designs as they relate to construction, mining, waste disposal, environmental remediation, and other projects. Our knowledge of the proper procedures and familiarity with local conditions allows office and field personnel to adjust the exploration plan if unanticipated field conditions are found.



SUBSURFACE EXPLORATIONS

- Our usual procedure is to attend an initial meeting with the client to establish requirements and expectations, conduct a preliminary site reconnaissance, and develop a recommended exploration program for your review and approval.
- Supplemental information from the local area is then obtained from readily available sources to assist the engineer or geologist in making final recommendations.

SLOPE STABILITY ANALYSIS AND REMEDIAL DESIGN

- Slope stability is a critical aspect of geotechnical engineering, particularly for projects involving the construction, maintenance, and analysis of slopes or embankments. The first step in a slope stability analysis is to conduct a site investigation, including geotechnical tests, topographic surveys, and groundwater assessments.
- Analyses can involve circular or sliding block methods, interface friction angles, and estimation of the strength parameters of the soil or rock.
- Slope stability analyses are performed on one of the most technologically advanced computer programs available and can be modified using site-specific data.
- Design remedial measures including design slope regrading, reinforcement, drainage systems, or vegetation.

FOUNDATION DESIGN RECOMMENDATIONS

- Preliminary foundation design recommendations and cost analyses are commonly performed during the initial phases of a project to assist in determining project feasibility.
- As project planning progresses, the preliminary alternatives will be revised into a final recommendation which can then be incorporated into the project's construction documents or developed as an independent package for presentation to the contractor.
- The final recommendation can include construction drawings, technical specifications, recommendations for allowable bearing capacity, engineer's construction cost estimate, and contractor's bid sheet.

STATEMENT OF QUALIFICATIONS

QUALIFICATIONS



SURVEYING

POTESTA proposes to utilize our own survey crews for work on this project. Our surveyors have worked on numerous site development, geotechnical, roadway and bridge construction, utility construction, and landfill development projects. Surveys and mapping are completed to the standards as outlined by the National Map Standards as well as other applicable quality standards. Small topographic mapping projects can be completed in-house, however, larger projects are better suited for mapping using aerial photography.



POTESTA utilizes Total Station instruments, Trimble R-8 Glonass, RTK GPS Systems, AutoCAD, Autodesk Land Desktop, and Autodesk Civil 3D Design Software to deliver precise surveying, mapping, and engineering solutions, ensuring accurate data collection and efficient project design for the required deliverables.

CADD

The CADD department utilizes the latest drafting/design software and computer hardware to maintain productivity at the high levels that clients demand and expect. We utilize Autodesk Civil 3D design software to prepare, revise, and manipulate drawings and engineering data efficiently. POTESTA's experienced and trained professionals allow clients' projects and assignments to be completed rapidly and at a reasonable cost.

CADD SERVICES

- **Integration with Survey Data** — Field measurements, GPS data, LiDAR, etc. used to develop topographic maps and 3D models of the site.
- **Site Design** — Grading plans, drainage plans, utilities plans, and right-of-way plans.
- **Roadway Design** — Roadway alignment, cross section and profile design, pavement design, drainage and stormwater management, intersection design, and markings and signage.
- **Utility Design** — Utility mapping, water distribution, sewer, and stormwater systems design, gas network design, electrical design, and telecommunication/fiber optic network design.
- **Permit Drawings, Maps, and Exhibits**—Construction details, site plans, utility and building layouts, topographic, property boundary, zoning, environmental, location maps, renderings and 3D models, aerial and satellite imagery overlays, conceptual plans, stormwater and drainage exhibits, and conditions exhibits.
- **Earthwork and Planimetric Quantity Development**—Earthwork design and quantity calculation, earthwork reports and documentation, planimetric quantity development, and earthwork and planimetric quantity analysis.

STATEMENT OF QUALIFICATIONS

QUALIFICATIONS



CONSTRUCTION OBSERVATION/ADMINISTRATION

Support services during the engineering construction phase encompass a range of crucial activities aimed at facilitating the smooth execution of projects. POTESTA offers construction monitoring and administration services to help clients adhere to regulatory and contractual obligations. We ensure that contractor activities align with design specifications and serve as an extension of clients' staff, providing comprehensive support throughout the construction process. Construction phase support services play a vital role in for the successful completion of projects on time, within budget, and to the required quality standards.



CONSTRUCTION PHASE SUPPORT SERVICES

- **Project Management** — Coordinate all aspects of construction phase including scheduling, budgeting, and resource allocation. Attend pre-construction conference, progress meetings, and as-needed meetings. Prepare weekly reports summarizing construction activities.
- **Construction Supervision** — Full-time construction monitoring to ensure compliance with design specifications, safety regulations, and quality standards.
- **Quality Assurance/Quality Control** — Conducting tests and inspections on construction materials, inspections and identification of deficiencies in construction work, document control, regulatory compliance, and subcontractor oversight.
- **Progress Monitoring and Reporting** — Tracking construction progress to identify any potential delays, and provide regular updates to client.
- **Contract Administration** — Manage contracts, change orders, and claims resolutions throughout the construction process. Issue written clarifications or interpretations of the requirements of the contract documents, including issuance of additional specifications and drawings and Certificate of Substantial Completion, as typically required by the contract documents.
- **Documentation and Record-Keeping** — Maintain comprehensive records of construction activities, inspections, tests, and approvals for future reference and compliance purposes.
- **Environmental Compliance** — Ensure construction activities adhere to environmental regulations and minimize impact on surrounding ecosystems.
- **Contractor Management** — Review contractor work plan, if required by specification special conditions. Review, meet, comment on and accept contractor's preliminary (and subsequent adjustments to) progress schedule, preliminary schedule of shop drawing and sample submittals, and preliminary schedule of values (for progress payments). Review contractor invoices (i.e., Applications for Payment) and issue written recommendations for payment or denial. Review substitutes and "or equal" items, and issue written acceptance/denials.

STATEMENT OF QUALIFICATIONS

QUALIFICATIONS



REGULATORY COMPLIANCE

Beyond providing design services, POTESTA is uniquely equipped to deliver environmental consulting, an essential component for projects of this nature. Most projects carried out by POTESTA require regulatory assistance to ensure compliance with relevant regulations. Our group of engineers and environmental scientists collaborates to tackle intricate environmental issues, integrating them into the planning and construction of projects. It's essential to engage in early and ongoing communication with local municipalities, state agencies, environmental agencies, and other stakeholders to identify the specific permits required for the project. POTESTA possesses a comprehensive understanding of local regulations and experience coordinating with relevant authorities for a smooth permitting process.

NEPA-RELATED SERVICES

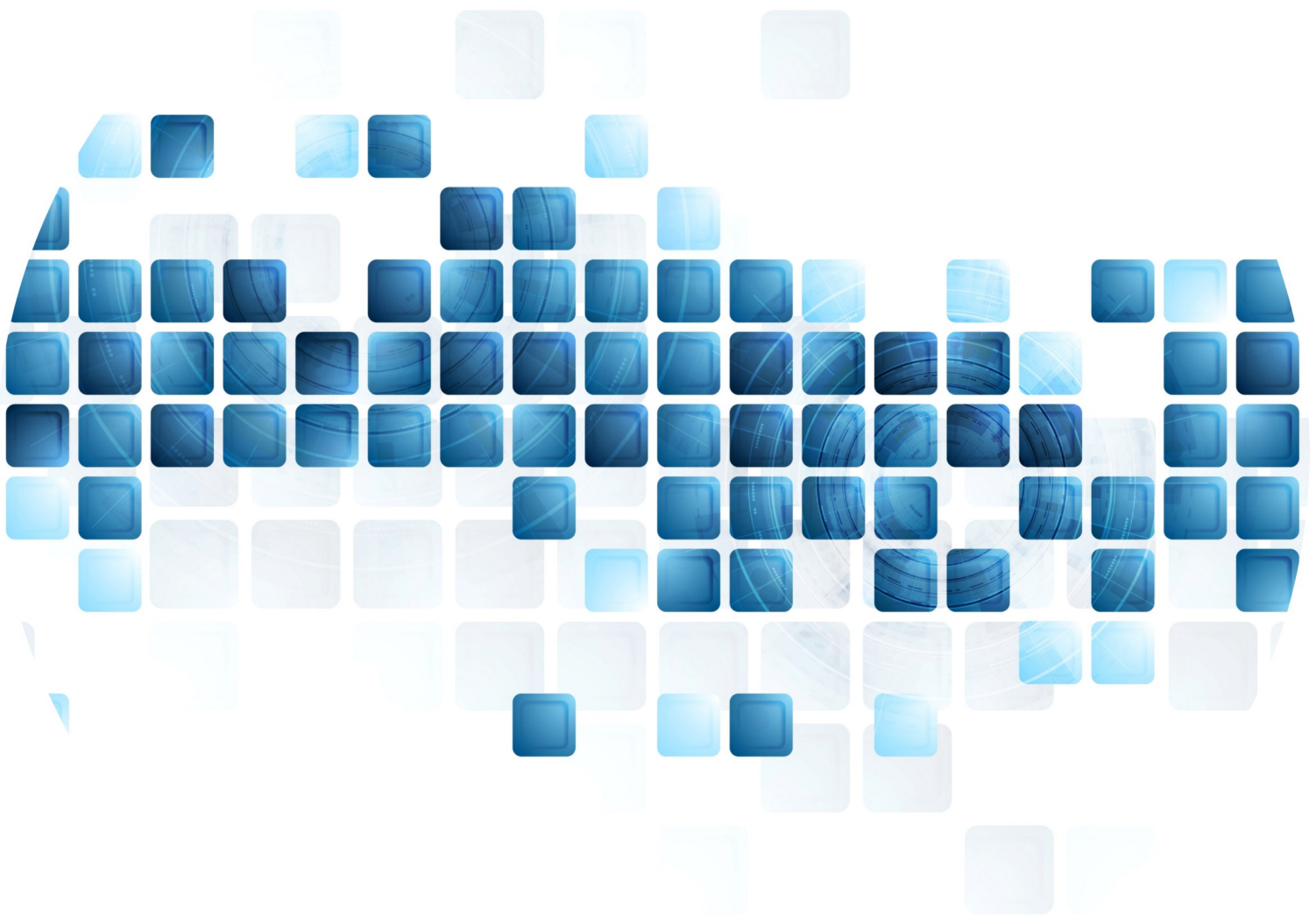
- Aesthetics
- Cumulative Impact Studies
- Floodplain Impacts
- Noise and Air Quality Analysis
- Endangered Species Consultation
- Historical and Archaeological Resources Consultation
- Biological Assessments/Surveys
- Phase I Environmental Assessment
- Risk Assessment
- Sampling/Remediation
- Stream and Wetland Delineation and Restoration
- Water Quality Studies

MITIGATION

- Stream Restoration Plans
- Construction Monitoring
- Post-Construction Monitoring and Reporting
- Wetland Mitigation — Payment to bank/fund, creation of wetland, or protection and/or enhancement of other wetland areas
- Re-Vegetation
- Stormwater Management — Permeable surfaces and retention basins
- Erosion Control
- Invasive Species Management
- Cultural Resource Preservation
- Noise Reduction



STAFF QUALIFICATIONS



STATEMENT OF QUALIFICATIONS

STAFF QUALIFICATIONS

PROPOSED STAFFING PLAN



WEST VIRGINIA DNR

DANA L. BURNS, PE, PS*
Principal-in-Charge — 46 Yrs.

Directs day-to-day operations and management of technical and support staff.

CHRISTOPHER A. GROSE*
Project Manager — 34 Yrs.

Project activities perform under his direction and maintains schedule and budget.

PROJECT TASKS

CIVIL ENGINEERING

Mark Kiser, PE, LRS* – 42 Yrs.
Jarrett Smith, PE* – 23 Yrs.
Kyle Stollings, PE – 42 Yrs.
Paul Maggard, PE – 26 Yrs.
Daniel Boyles, PE – 6 Yrs.
Tim Rice, EIT – 43 Yrs.
Chad Griffith, PE – 21 Yrs.
Alex Keenan, EIT – 7 Yrs.
Claire McDonald, EIT – 3 Yr.
Joe Knechtel, PE – 35 Yrs.
Josh Messmer – 7 Yrs.

WATER/WASTEWATER ENGINEERING

Mark Sankoff, PE – 42 Yrs.
Terence Moran, PE – 39 Yrs.
Joseph Dinkel – 15 Yrs.
Everett Mulkeen, PE – 13 Yrs.
Tim Ball, PE – 46 Yrs.
Bob Bragg, PE – 28 Yrs.
Robert Ammirato, PE – 22 Yrs.
Bill Cox – 15 Yrs.
Jake Davis, EIT – 5 Yrs.
Derek Rader – 5 Yrs.
Ahmet Oruc – 2 Yrs.

SOILS/GEOTECHNICAL/ HYDROLOGICAL EVALUATIONS

Chris Grose, LRS* – 34 Yrs.
David Sharp, PE* – 30 Yrs.
Peter Potesta – 13 Yrs.

PERMITTING, STREAM/ WETLAND, AND NEPA COMPLIANCE

Jessica Yeager – 30 Yrs.
Timothy Ferguson – 18 Yrs.
Christina Parsons – 26 Yrs.
Leah Creathers – 19 Yrs.
Rylee Armstrong – 1 Yr.
Cole Davis – 4 Yrs.
Dan Miller, PhD – 47 Yrs.

SUPPORT TASKS

CONSTRUCTION MONITORING

Robert Lamm – 24 Yrs.
Paul Kinzer – 27 Yrs.
Charles Shaffer – 23 Yrs.
Russ Harper – 17 Yrs.
Carl Hickman – 46 Yrs.
Anthony Fragale – 47 Yrs.
Chuck Bird – 32 Yrs.
Francis Hyre – 43 Yrs.
Gabe Sankoff – 4 Yrs.

SURVEYING

Victor Dawson, PS – 42 Yrs.
Ryan Bennett, PS – 11 Yrs.
Rusty Hunter – 43 Yrs.
Tyler Aboytes – 10 Yrs.
Ryan Pettry – 3 Yrs.
Stephan Sayles – 3 Yrs.
Shymeik Leftwich – 1 Yr.

MAPPING/CADD

Michael Sankoff – 35 Yrs.
Brian Leedy – 24 Yrs.
Russ Lester – 35 Yrs.
Joe Martin – 31 Yrs.
David Foster – 12 Yrs.
Austin Davis – 3 Yrs.
Charles Mosholder – 45 Yrs.
Scott Bolyard – 34 Yrs.
Anthony Friend – 28 Yrs.

GEOGRAPHIC INFORMATION SYSTEMS (GIS)

Charles Haden – 15 Yrs.

* Key Personnel

STATEMENT OF QUALIFICATIONS

STAFF QUALIFICATIONS



KEY PERSONNEL

Appendix A contains resumes and certifications of key personnel.



Principal-in-Charge — Dana L. Burns, PE, PS, President

With over 46 years of experience, Mr. Burns has worked on a wide range of civil, geotechnical, and environmental projects. His expertise includes developing site plans for commercial, residential, and industrial facilities, as well as designing utility and transportation infrastructure and managing permitting processes. In addition to his technical skills, Mr. Burns has extensive experience working with funding agencies. He currently oversees the daily operations of the engineering division, managing staff coordination, training, business development, and providing overall supervision of both technical and support teams.



Project Manager — Christopher A. Grose, LRS, Senior Engineering Associate

With over 34 years of geotechnical experience, Mr. Grose specializes in geological and geotechnical explorations, surface and subsurface hydrology, hydrogeology, and the analysis, modeling, and restoration of failed slopes and landslides. His additional experience includes designing and conducting geotechnical explorations for various structures, such as bridges, culverts, and earth retention systems. He is experienced in foundation design recommendations, including slope stability evaluations and expertise in engineered fill construction.



D. Mark Kiser, PE, LRS, Chief Engineer

Mr. Kiser brings 42 years of extensive experience in civil engineering, offering a diverse background in site development, utility extensions, street and roadway construction, stormwater management, regulatory compliance, and environmental permitting. His work has taken him across various local jurisdictions in West Virginia, where he has adeptly navigated local ordinances and codes. Mr. Kiser also conducts constructability reviews on projects, both during and after the design phase. He currently manages the ongoing workload for the WVDOH Non-Traditional Transportation Contracts since 2017.

STATEMENT OF QUALIFICATIONS

STAFF QUALIFICATIONS



KEY PERSONNEL

Appendix A contains resumes and certifications of key personnel.



Jarrett M. Smith, PE, Senior Engineer

Mr. Smith has over 23 years of experience in stormwater management, geotechnical engineering, hydrology/hydraulics, and civil/site design. His project experience spans a wide range of sectors, including construction and environmental compliance, residential, commercial, and industrial site development, stormwater management systems/facilities, oil and gas pipelines, and solid waste landfills. Mr. Smith is highly skilled in hydraulic evaluations and hydrogeologic investigations, both critical for the design and construction process.



David B. Sharp, PE, Branch Manager

With over 30 years of extensive involvement in civil engineering projects across the region, Mr. Sharp specializes in geotechnical engineering and construction observation and management endeavors. His portfolio encompasses a multitude of projects for municipalities and utility providers, covering utility design, landslide investigation and repair, stormwater evaluation, site design, permitting, and roadway design. He has overseen projects from initial planning and assessments to preliminary and final design stages, as well as the preparation of bidding and construction documents. Mr. Sharp was the Project Manager for the new public boat ramp and river access area in Granville, West Virginia.



METHODS OF APPROACH



STATEMENT OF QUALIFICATIONS

METHODS OF APPROACH



LEON PUBLIC ACCESS SITE

GOAL/OBJECTIVE 1: REVIEW SITE CONDITIONS AND EVALUTE FEASIBILITY

- **Project “Kick-Off” Meeting** — Meet with the WVDNR at the project site to discuss project objectives and goals.
- **Hydrological Study** — Understand the key water dynamics at the site including flood levels, currents, and wave action in the river (or utilize existing hydrological information).
- **Topographic Survey** — Map existing conditions to develop site mapping (or utilize existing mapping).
- **Geotechnical Exploration** — Assess the conditions of the riverbed to determine the type piles needed (or utilize previous geotechnical information).

GOAL/OBJECTIVE 2: DESIGN PLANS

- **Conceptual Design** — During this stage we will work with WVDNR to establish options for several conceptual designs, as there will likely be various potential configurations for the new floating dock and gangway. Throughout this “brainstorming” stage of conceptual design, POTESTA anticipates revisions as the design evolves and options are weighed by their feasibility, cost, and the degree to which they meet the project objectives. WVDNR can provide comments and select the preferred option before proceeding to the next stage of design development.
- **Preliminary Site Design** — Based on the site conditions, limitations, and information (e.g., geotechnical data, floodplain boundaries, existing site drainage features) gathered by POTESTA, our team will develop a detailed plan that executes WVDNR’s vision. Before proceeding to permitting and final design, POTESTA will review the preliminary site design with WVDNR and make revisions based on your input. It is during this phase that we prepare an estimate of construction costs, review this with WVDNR, and ensure we are meeting the financial constraints of the project.
- **Permitting** — Following WVDNR’s approval of the preliminary site design, POTESTA will proceed with preparing the required permit applications for this project. Following agency review and comment period, POTESTA will implement any required changes and prepare the project for final design. The level of detail of this drawing package is typically sufficient for most permit applications/submittals (e.g., Army Corps of Engineers, WVDEP, WV SHPO, county/city floodplain coordinators, MS-4 permitting, WVDOH - dependent on site).
- **Final Design** — This design phase consists of preparing final sealed construction drawings, specifications, and contract documents to allow for the project to move to the bidding and construction phase.
- **Bid Documents** — Following the design development stage, POTESTA will work to complete the drawings to “bid-level” detail. WVDNR will only be required to provide minor input while POTESTA puts the finishing touches on the plans and prepares technical specifications (or drawing notes as specifications) and contract documents to allow the project to move to bid. POTESTA will assemble a bid package and provide to the WVDNR for review prior to the advertisement for bid. Once WVDNR has approved the bid documents to be finalized, POTESTA will assist in conducting the pre-bid meeting, respond to bidders’ questions, issue the necessary addenda, and assist WVDNR in evaluating the bids throughout the bidding process.

STATEMENT OF QUALIFICATIONS

METHODS OF APPROACH



LEON PUBLIC ACCESS SITE

GOAL/OBJECTIVE 3: CONSTRUCTION CONTRACT ADMINISTRATION SERVICES

- **Daily Construction Monitoring** — Documentation of daily construction observation activities on POTESTA's standard Daily Log Forms, including pertinent information such as personnel and equipment onsite, equipment in use, inspection details/results, weather conditions, etc. Daily photos will be taken during the progression of the construction sequence to document the construction and a written summary of observed daily work activities including site progress meetings will be submitted to WVDNR.
- **Construction Contract Administration**
 - ⇒ Review contract documents, particularly items that were not prepared by POTESTA.
 - ⇒ Review, meet, comment on and accept contractor's preliminary (and subsequent adjustments to) progress schedule, preliminary schedule of shop drawing and sample submittals, and preliminary schedule of values (for progress payments).
 - ⇒ Attend pre-construction conference, progress meetings, and other meetings as needed.
 - ⇒ Review underground facilities not shown on contract documents.
 - ⇒ Review and approve shop drawings and samples.
 - ⇒ Review substitutes and "or equal" items, and issue written acceptance/denials.
 - ⇒ Review contractor work plan, if required by specification special conditions.
 - ⇒ Issue written clarifications or interpretations of the requirements of the contract documents.
 - ⇒ Prepare weekly reports summarizing construction activities.
 - ⇒ Prepare change orders for the work.
 - ⇒ Review contractor invoices and issue written recommendations for payment or denial.
 - ⇒ Issue Certificate of Substantial Completion, as typically required by the contract documents.
 - ⇒ Provide record drawings showing "as-built" features.



STATEMENT OF QUALIFICATIONS

METHODS OF APPROACH



BUFFALO PUBLIC ACCESS SITE

GOAL/OBJECTIVE 1: REVIEW SITE CONDITIONS AND EVALUTE FEASIBILITY

- **Project “Kick-Off” Meeting** — Meet with the WVDNR at the project site to discuss project objectives and goals.
- **Site Assessment and Condition Survey** — Thorough inspection of the existing stairway to assess the overall condition such as cracks, spalling, erosion, and any structural deficiencies. Assess the terrain, access routes, and the stairway’s relationship to the boat ramp and parking area. Take into account site factors such as slope, soil composition, and drainage conditions.
- **Geotechnical Exploration** — Assess the soil conditions and review the stairway foundation (or utilize previous geotechnical information).

GOAL/OBJECTIVE 2: DESIGN PLANS

- **Conceptual Design** — During this stage we will work with WVDNR to develop a range of conceptual design alternatives for the replacement or repair of the existing cast in place concrete stairway. Throughout this “brainstorming” stage of conceptual design, POTESTA anticipates revisions as the design evolves and options are weighed by their feasibility, cost, and the degree to which they meet the project objectives. WVDNR can provide comments and select the preferred option before proceeding to the next stage of design development.
- **Accessibility** — Assess whether the existing or new stairway meets accessibility requirements, including compliance with the ADA or local accessibility standards. Verify that handrails comply with code requirements for height, spacing, and strength.
- **Preliminary Site Design** — Preparation of a preliminary site plan showing the stairway location, access points, and surrounding infrastructure, including elevations and cross-sections of the stairway. This stage will also include the foundation design and drainage system design (if required). POTESTA will review the preliminary site design with WVDNR and make revisions based on your input. It is during this phase that we prepare an estimate of construction costs, review this with WVDNR, and ensure we are meeting the financial constraints of the project.
- **Permitting** — Following WVDNR’s approval of the preliminary site design, POTESTA will proceed with preparing the required permit applications for this project and ensure the design complies with all local codes, environmental regulations, and accessibility requirements. Following agency review and comment period, POTESTA will implement any required changes and prepare the project for final design.
- **Final Design** — This design phase consists of preparing final sealed construction drawings, specifications, and contract documents to allow for the project to move to the bidding and construction phase.
- **Bid Documents** — Following the design development stage, POTESTA will work to complete the drawings to “bid-level” detail. WVDNR will only be required to provide minor input while POTESTA puts the finishing touches on the plans and prepares technical specifications (or drawing notes as specifications) and contract documents to allow the project to move to bid. POTESTA will assemble a bid package and provide to the WVDNR for review prior to the advertisement for bid. Once WVDNR has approved the bid documents to be finalized, POTESTA will assist in conducting the pre-bid meeting, respond to bidders’ questions, issue the necessary addenda, and assist WVDNR in evaluating the bids throughout the bidding process.

STATEMENT OF QUALIFICATIONS

METHODS OF APPROACH



BUFFALO PUBLIC ACCESS SITE

GOAL/OBJECTIVE 3: CONSTRUCTION CONTRACT ADMINISTRATION SERVICES

- **Daily Construction Monitoring** — Documentation of daily construction observation activities on POTESTA's standard Daily Log Forms, including pertinent information such as personnel and equipment onsite, equipment in use, inspection details/results, weather conditions, etc. Daily photos will be taken during the progression of the construction sequence to document the construction and a written summary of observed daily work activities including site progress meetings will be submitted to WVDNR.
- **Construction Contract Administration**
 - ⇒ Review contract documents, particularly items that were not prepared by POTESTA.
 - ⇒ Review, meet, comment on and accept contractor's preliminary (and subsequent adjustments to) progress schedule, preliminary schedule of shop drawing and sample submittals, and preliminary schedule of values (for progress payments).
 - ⇒ Attend pre-construction conference, progress meetings, and other meetings as needed.
 - ⇒ Review underground facilities not shown on contract documents.
 - ⇒ Review and approve shop drawings and samples.
 - ⇒ Review substitutes and "or equal" items, and issue written acceptance/denials.
 - ⇒ Review contractor work plan, if required by specification special conditions.
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 - ⇒ Prepare change orders for the work.
 - ⇒ Review contractor invoices and issue written recommendations for payment or denial.
 - ⇒ Issue Certificate of Substantial Completion, as typically required by the contract documents.
 - ⇒ Provide record drawings showing "as-built" features.



PAST PROJECTS



GRANVILLE BOAT RAMP MONONGAHELA RIVER

*Town of Granville
Monongalia County, West Virginia*

Potesta & Associates, Inc. (POTESTA) was retained by the Town of Granville to provide civil engineering design services for a new public boat ramp and river access area in Granville, West Virginia. The single lane, 100-foot by 20-foot, ArmorFlex® paving boat ramp also includes a paved access roadway and turnaround area, providing public access to the Monongahela River off of Main Street (Route 100) in downtown Granville. The project also included a non-potable dry hydrant assembly for filling fire trucks and municipal equipment.



Monongahela River – Project Site Before Construction

Scope of services included:

- **Surveying** – Topographic mapping of the project area.
- **Coordination and Consulting with Various Groups/Agencies** – Working with the City of Morgantown Floodplain Coordinator, coordination with landowner(s), the Army Corps of Engineers, and contractors to facilitate communication and compliance during the design process. Also, attendance of pre-bid and pre-construction meetings to assist the client in bid review and decision making.
- **Civil Site Design and Construction Documents** – Entrance/roadway design and grading plan including cut/fill for the construction site, roadway and boat ramp profile, and construction documents. Included construction detail drawings, engineer's cost estimate, technical specifications, and bid documents.
- **Construction Observation/Administration** – Various services during the construction phase including shop drawing review, schedule coordination between client and contractor(s), review of pay applications, and on-site inspection and materials testing (compaction, concrete, etc.).



WATERFRONT MARINA

*Paradigm Architecture
Morgantown, West Virginia*

Potesta & Associates, Inc. (POTESTA) was retained by Paradigm Architecture to provide geotechnical engineering associated with the proposed Waterfront Marina to be located in Morgantown, West Virginia.



POTESTA's scope of services included subsurface exploration, coordination of laboratory testing, and preparation of a geotechnical report. The drilling activities involved drilling adjacent to a rail trail managed by the Morgantown Board of Parks and Recreation, as well as borings located within the Monongahela River. POTESTA subcontracted drilling to Pennsylvania Drilling which drilled three (3) borings from a barge along with several locations along the riverbank and adjacent to the trail.

Foundation recommendations were provided for the proposed buildings, as well as anchors for the proposed docks. Recommendations were also provided for site work including earthwork and infiltration for possible storm water management devices.



PRESTON TRAILHEAD

*Friends of the Cheat
Preston County, West Virginia*

Potesta & Associates, Inc. (POTESTA) was retained by Friends of the Cheat (FOC) to provide engineering, architectural, and environmental consulting services for the development of the Preston Trailhead located outside of Kingwood in Preston County, West Virginia. The site is located on a 17.5-acre parcel of a former coal preparation plant which was partially reclaimed and undeveloped. This recreational facility includes the design/construction of an entrance road, parking lot, utilities, stormwater infrastructure, river access, landscaped green space, and other public-use amenities including lighting, picnic areas, signage, and waste receptacles. The project was funded by the West Virginia Department of Environmental Protection, Office of Abandoned Mine Lands, Pilot Grant Program.

In collaboration with Mills Group, LLC, an architectural firm, POTESTA provided the following services:

- Surveying/Mapping
- Master Planning and Conceptual/Final Site Design
- Preparation of Preliminary and Final Drawings – Including Grading/Utility Plan, Erosion/Sediment Control Plan, Landscape/Planting Plan, Lighting Plan, Signage Plan
- Preliminary Opinion of Probable Construction Costs
- Human Health Risk Evaluation
- Stream and Wetland Delineation
- Permitting and Regulatory Compliance – Including Stream Activity Permit, Clean Water Act Sections 404 and 401, Section 106, Section 107, NPDES Construction Stormwater Permit, WVDOH Encroachment Permit, and County Floodplain Permit
- Bidding and Construction Phase Support

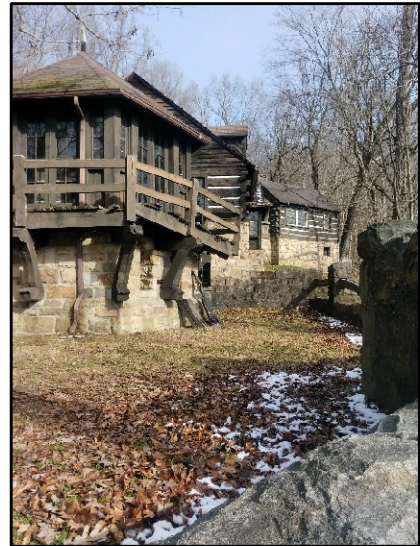


HAWKS NEST MUSEUM ADA ACCESS AND PARKING AREA IMPROVEMENTS

Mills Group, LLC

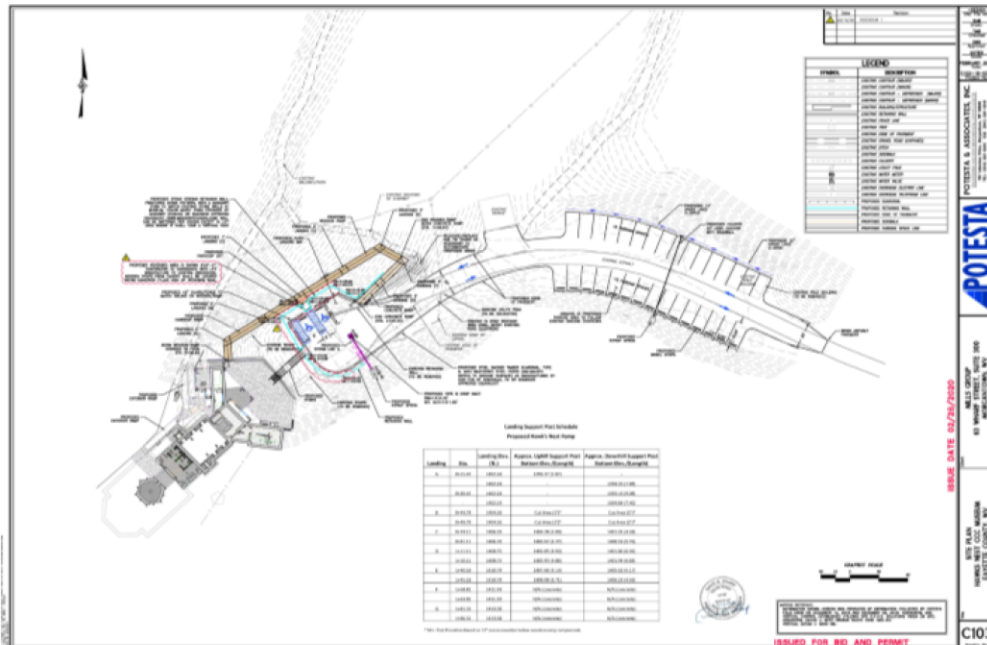
State Route 60 near Ansted, West Virginia

Potesta & Associates, Inc. (POTESTA) was retained by Mills Group, LLC (Mills Group) for engineering consulting services for the proposed Hawks Nest Museum project located on State Route 60 near Ansted, West Virginia. Project tasks included topographic surveying and civil/site design for the two new proposed ADA access points on the northeast side of the building and upgrading the existing parking area.



The topographic survey included the generation of a topographic map with 1-foot contour intervals. POTESTA established horizontal and vertical control at the site and performed conventional surveying. POTESTA located visible existing utilities as they pertain to the property. POTESTA provided a hard copy of the topographic survey, as well as an electronic file in AutoCAD format.

POTESTA performed the civil/site design for the proposed two additional ADA access points. The topographic mapping and site survey were used to prepare construction-level design drawings associated with the additional ADA access.



ALLEN HALL SIDEWALK REPAIR PROJECT

*West Virginia University
Morgantown, West Virginia*

Potesta & Associates, Inc. (POTESTA) performed general engineering services for West Virginia University (WVU) for a sidewalk repair project located near Allen Hall on the Evansdale Campus in Morgantown, West Virginia.



Topographic surveying was developed to update the mapping for the area. POTESTA prepared three designs for the repair of the sidewalk. Preliminary renderings of each design option were provided for selection of the final design. POTESTA prepared the final design package in compliance with the Americans with Disabilities Act. During the design work for the sidewalk area, POTESTA performed additional analysis exploring snowmelt/under-heating systems with associated costs and considered the option of a “hard” roof covering the plaza area.

POTESTA also developed aesthetic bike rest units and produced a cost estimate for the project. Throughout the design process, POTESTA attended progress review meetings to ensure communication with the WVU facilities management personnel.



NON-TRADITIONAL TRANSPORTATION CONTRACT – SIDEWALKS/BOARDWALKS

*West Virginia Division of Highways
Various Counties, West Virginia*

Potesta & Associates, Inc. (POTESTA) was retained by the West Virginia Division of Highways to provide engineering consulting services for non-traditional transportation projects including federal aid-funded projects for the Transportation Alternatives and Recreational Trails programs, as well as similar state-funded projects. Services included preliminary engineering design, environmental analysis and documentation, and final design engineering including the development of plans, specifications, and cost estimates for multiple projects:



- Rupert Sidewalk – Design and preparation of contract plans and related documents for the replacement and construction of approximately 600 linear feet of concrete sidewalk along County Route (CR) 1 (Anjean Road) beginning at Route 60 and proceeding north in the Town of Rupert.
- Cranberry Boardwalk – Design and preparation of contract plans and related documents for the replacement and construction of approximately 2,750 linear feet of 4-foot-wide boardwalk located in the Cranberry Glades Botanical Area in Pocahontas County. POTESTA designed a replacement of the boardwalk using helical piles to support the timber boardwalk over the peat bog. New bump-outs were provided to add to pedestrian movements and take advantage of the unique conditions in the glades.
- Bruceton Mills Sidewalk – Design and preparation of contract plans and related documents for the construction of approximately 750 linear feet of concrete sidewalk along the western side of CR 6 (Union Street) from CR 73/73 (Morgantown Street) running northerly to the Bruceton Mills town limits.
- Poca Laurel Avenue Sidewalk Extension – Design and preparation of contract plans and related documents for the construction of approximately 500 linear feet of concrete sidewalk along the southern side of Laurel Avenue from the intersection of WV 62 (Charleston Road) and Laurel Avenue running easterly to near the beginning of the guardrail at the causeway.

NON-TRADITIONAL TRANSPORTATION CONTRACT – TRAILS

*West Virginia Division of Highways
Various Counties, West Virginia*

Potesta & Associates, Inc. (POTESTA) was retained by the West Virginia Division of Highways (WVDOH) to provide engineering consulting services for non-traditional transportation projects including federal aid-funded projects for the Transportation Alternatives and Recreational Trails programs, as well as similar state-funded projects. Services include preliminary engineering design, relevant environmental documents and analyses, final design engineering, construction engineering and management, and/or inspection services for projects.



BLUESTONE WATER TRAIL

POTESTA was contracted to complete the design and preparation of contract plans and related documents for approximately 2 miles of trail rehabilitation on the Bluestone River Water Trail. The area of the existing trail begins near a small parking area and picnic shelter where County Route 3 crosses Brush Creek. The parking area, shelter, trailhead, and approximately 0.25 mile of trail leading to an overlook area at Brush Creek Falls are owned by the State of West Virginia. This portion of the trail is known as the Brush Creek Falls State Park and is managed by the West Virginia Division of Natural Resources.

HATFIELD MCCOY TRAIL SYSTEM

POTESTA was contracted to complete a Biological Assessment (BA) for routine trail maintenance to be completed by the Hatfield-McCoy Regional Recreation Authority (HMRRRA). The activities proposed by HMRRRA have the potential to affect the federally threatened *Cambarus callainus* (Big Sandy Crayfish), the federally endangered *Cambarus veteranus* (Guyandotte River Crayfish), and the designated critical habitat for the 117.0 miles of Hatfield-McCoy recreational trails found within the crayfish buffer zone in Logan, Mingo, McDowell, and Wyoming Counties.

POTESTA was selected to design a 2-mile section as a part of the Meadow River Rail Trail in Rainelle, West Virginia, however, it was withdrawn from the WVDOH program.

SUNSET BEACH MARINA OF LAKE LYNN SOIL SAMPLING AND MITIGATION

*Cube Hydro (now Eagle Creek Renewable Energy)
Monongalia County, West Virginia*



Potesta & Associates, Inc. (POTESTA) was contacted by Cube Hydro (now Eagle Creek Renewable Energy) to collect sediment samples from the Sunset Beach Marina of Lake Lynn (Cheat Lake) in Morgantown, WV. This service was needed in anticipation of dredging a designated area planned to improve the depth of water in the marina channel, prior to the boating season. The samples were taken to a certified lab for analysis of multiple parameters associated with mining and boating activities. This included a fueling station over the water.



POTESTA determined the appropriate parameters to be analyzed by the lab. The results from the laboratory were provided along with a table which highlighted the contaminants that exceeded the West Virginia Department of Environmental Protection de minimis benchmark for chemicals of potential concern for direct contact with soil, based on residential use. Prior to deposition of the dredged material, Eagle Creek asked POTESTA for additional information on de minimis human exposure screening to properly address any possible liability issues.



POTESTA's remediation expert provided details on site specific resident risk for soil contaminants using an existing model from soil data from the region. In addition, POTESTA provided simple mitigation steps that would reduce the risk of exposure to the low level of contaminants found in the sediments. This was helpful information from a legal standpoint and met our client's needs.



DEBRIS CONTROL PROJECT

Little Kanawha Conservation District/West Virginia Conservation Agency Ritchie County, West Virginia

Potesta & Associates, Inc. (POTESTA) was retained by the Little Kanawha Conservation District (LKCD) and West Virginia Conservation Agency (WVCA) to provide design recommendations for the proposed debris control structure near the North Fork of Hughes River watershed multiple purpose dam at North Bend Lake in Ritchie County, West Virginia. Since the construction of the dam in 2002, areas of timber and other wood debris were allowed to remain and had begun to deteriorate and break away from the lake floor. The debris flows downstream and accumulates around the riser structure of the principal spillway outlet at the southeastern end of the dam. It was periodically removed to maintain the safety and function of the outlet structure. However, the debris removal was performed using boats, which was very costly.



POTESTA designed a debris control structure to capture the debris and collect it along the northwestern end of the dam near the auxiliary spillway, which was more accessible for large machines to remove the debris. POTESTA reviewed documents by the WVCA and Natural Resources Conservation Service and conducted a site visit to observe the debris issue as part of the evaluation. POTESTA recommended the installation and use of a 24-inch flange bolted multifunction boom with a 4-foot rubber skirt. The multifunction boom would have articulating sections at the anchor ends and where the topography changes quickly to provide adequate protection at varying water levels. The two ends of the boom would be anchored using a beam and slider near the corner of the dam and auxiliary spillway and with a concrete anchor block and rock anchors at the other end of the boom on the east bank of the lake.

POTESTA provided a Design Report to LKCD and WVCA with an overview of the proposed design, including flow calculations, estimated forces, geotechnical exploration, and a summary of conditions observed.

MOUNT STORM LAKE

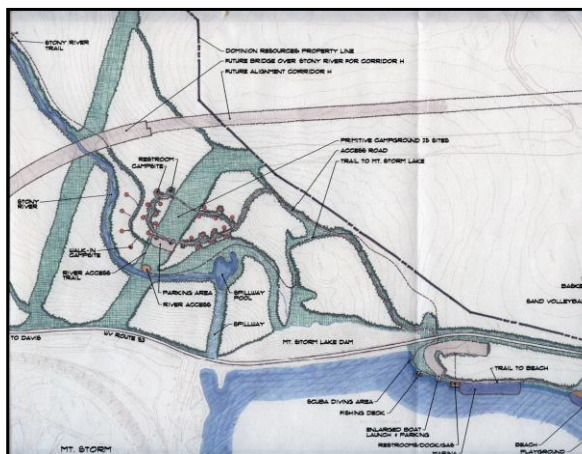
*Dominion Resources Services, Inc.
Mount Storm, West Virginia*

As part of Dominion Resources Services' effort to improve the water quality and recreational opportunities at Mount Storm Lake and Stony River in conjunction with the reauthorization of the plant's NPDES permit, Potesta & Associates, Inc. (POTESTA) was retained to prepare a feasibility report identifying options for such improvements.

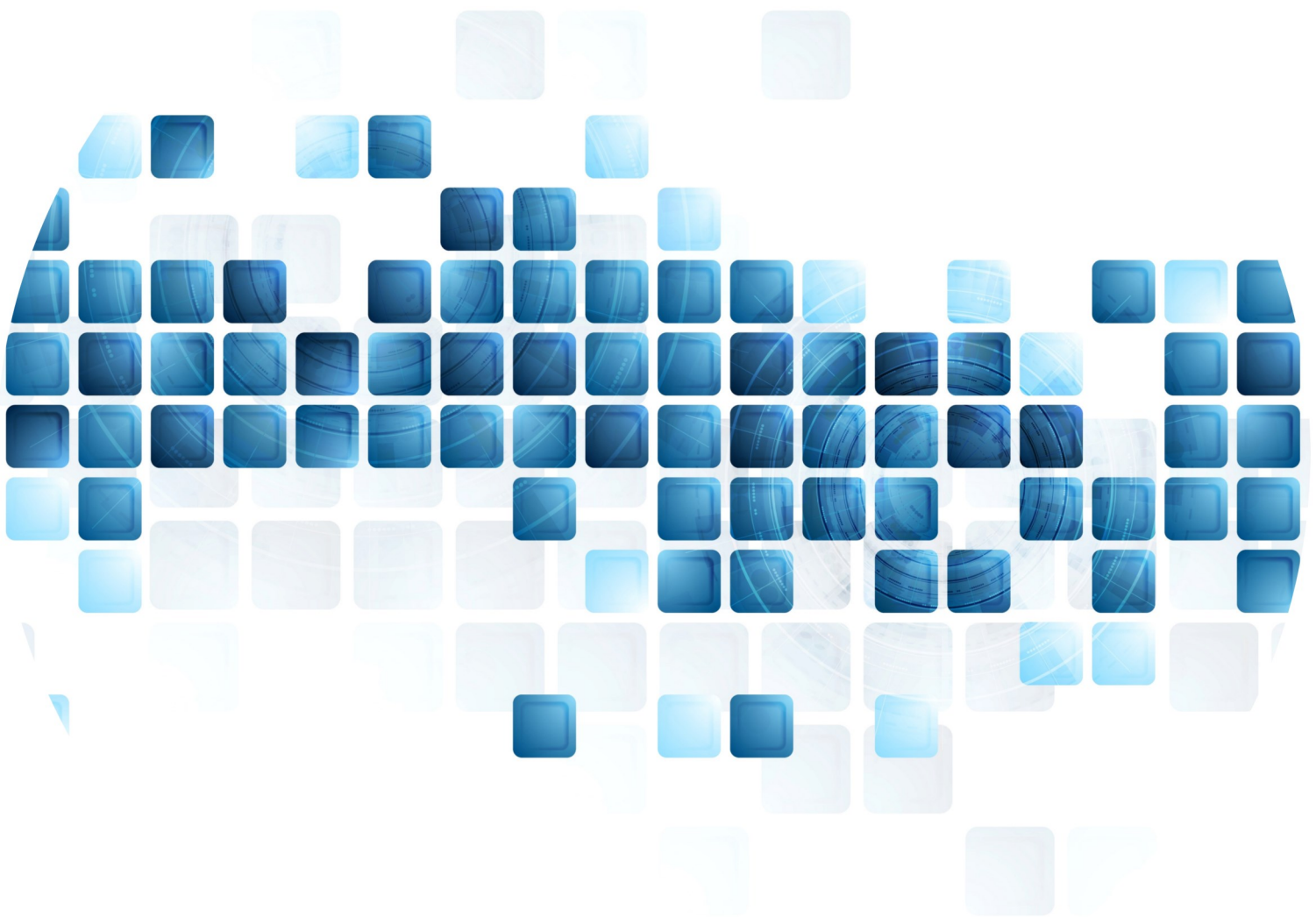
The report focused on acid mine drainage abatement techniques for both active and passive treatment options for sites in the Stony River basin above Mount Storm Lake and below the dam. Recommendations also were made for improved recreation opportunities at Mount Storm Lake and the Stony River tailwater. The lake and the tailwater are somewhat unique in that their elevation of 3,244 feet makes Mount Storm the highest lake in elevation within the region. The lake has a good bass fishery and is enjoyed by windsurfers and scuba divers. Stony River is utilized by kayakers and fishermen.

POTESTA developed a master plan for enhancing the recreation potential at the lake and the Stony River tailwaters. Proposed improvements envisioned on the lakeshore include developing a beach area with picnicking, shelters, docking for boats, a swimming beach, restrooms, a marina, an enlarged boat launch and parking, a fishing deck, and a scuba diving platform.

At the Stony River tailwaters, a 25-unit primitive campground is envisioned with river access for boaters and kayakers to put in at the beginning of the tailwaters. A trail following Stony River is planned for fisherman access. Trout stocking is also being considered for certain times of the year.



REFERENCES



REFERENCES

The following are references for engineering services for various recreational and commercial projects.



CITY OF SOUTH CHARLESTON

Rick Atkinson, City Manager
PO Box 8597
South Charleston, West Virginia 25303
(304) 744-5300

→ **Park Place Development**

WVDOH

Josh Vincent, PE
1900 Kanawha Boulevard, East
Building 5, Room A-450
Charleston, West Virginia 25305
(304) 558-3505

→ **Non-Traditional Transportation Contract**

TOWN OF GRANVILLE

Patricia Lewis
125 Main Street
Granville, West Virginia 26534
(304) 599-5080

→ **Boat Ramp and River Access Area**

CONTACT US

FOR MORE INFORMATION CONTACT:

Dana L. Burns, PE, PS, President
(304) 342-1400

APPENDIX A



EDUCATION

- M.S. Civil Engineering, 1979
West Virginia University
- B.S. Civil Engineering, 1978
West Virginia University

EMPLOYMENT HISTORY

- 1997-Present Potesta & Associates, Inc.
1994-1997 Terradon
1979-1994 GAI Consultants, Inc.
1978-1979 West Virginia University
1976-1977 West Virginia Department of Highways
(summers)

PROFESSIONAL REGISTRATIONS

- Professional Engineer – West Virginia, Illinois
- Professional Surveyor – West Virginia

PROFESSIONAL CERTIFICATIONS

40-Hour Health and Safety Training

SERVICE ON BOARDS AND COMMISSIONS

- Environmental/Technical Committee member – West Virginia Coal Association
- Environmental Committee member – Kentucky Coal Association

- Past Board of Directors member and current Waste Team Chairman on the Environmental Safety and Health Committee – West Virginia Manufacturers Association
- Environmental and Safety Committee member – Independent Oil and Gas Association of West Virginia
- Environmental Committee member – West Virginia Oil and Natural Gas Association
- Past President – West Virginia Society of Professional Engineers, Professional Engineers in Private Practice
- Past President and past Board of Directors member – American Council of Engineering Companies West Virginia Chapter
- Past Chairman of Transportation Committee – American Council of Engineering Companies West Virginia Chapter
- Past Board of Directors member – Society of American Military Engineers Huntington Post
- Member Committee D-18 on Soil and Rock – American Society for Testing and Materials (ASTM)

PROFESSIONAL AFFILIATIONS

- American Society of Civil Engineers
- National Society of Professional Engineers
- WV Society of Professional Surveyors

AREAS OF SPECIALIZATION

Management of design and permitting of civil, environmental, geotechnical, and mining engineering projects. Siting, designing, and permitting industrial and municipal waste disposal sites; reclamation of abandoned mine lands; and developing stormwater management plans and groundwater sampling programs. Environmental/reclamation liability assessments. Development of site plans for commercial and industrial facilities including hydrologic and hydraulic analyses. Expert witness testimony. Directs engineering division, including day-to-day operation of headquarters and three branch offices concerning staffing, coordination, training, business development, and overall technical and support staff management.

PROFESSIONAL EXPERIENCE

Civil/Site Design

Utility extension, site grading plans, stormwater management, roadway design, and permitting site development for residential subdivisions and commercial developments.

University of Charleston – Principal-in-Charge for the following projects:

- Development of topographic mapping of campus
- Evaluation of storm sewer system
- Civil site services – UC Pharmacy School, New Hall, Middle Hall, and Brotherton Hall
- Design a new campus entrance roadway

Marshall University – Principal-in-Charge for the following projects:

- 400-bed housing project
- Biotechnology Center
- Fifth Avenue parking and 6th Avenue parking facility
- Jomie Jazz Center
- Childcare Center
- Mid-Ohio Valley Center
- Campus landscape master use plan
- Campus improvements project
- MU Graduate College South Charleston campus
- Student Center and Henderson Center
- Bookstore Addition
- University Heights

Glenville State University – Principal-in-Charge for the following projects:

- Student Residence Hall
- Athletic Convocation Center and Forestry/Survey Class Center

West Virginia University – Principal-in-Charge for a sidewalk repair project near Allen Hall on the Evansdale Campus in Morgantown, West Virginia.

The Villages at Coolfont – Principal-in-Charge to provide environmental and engineering consulting services for the redevelopment of the Coolfont Recreation property in Morgan County, West Virginia to create a second home community with high-end amenities:

- Phase I Environmental Site Assessment
- American Land Title Association (ALTA) boundary and property survey of 997 acres
- Completed an assessment of the facility's sanitary sewer wastewater treatment plant to facilitate the property acquisition.
- Participated in weeklong planning charette with clients, land planners, and other design consultants to assess property characteristics, identify opportunities and constraints, obtain input from residents and businesses, and develop design guidelines.
- Land use plan includes 1,300 homes, a village center, a spa, expansion of an existing lake, a proposed second lake, walking/hiking/biking trails, and the necessary infrastructure.
- Civil engineering design for potable water and wastewater treatment facilities.
- Selected source well locations, drilled 3 source test wells, and completed field testing and permitting.
- Designed a 300-gallon per minute potable water treatment plant.
- Designed 2- 316,000-gallon water storage tanks and 75,000 LF of distribution system.
- Completed the design and permitting for a 448,000-gallon per day membrane bioreactor wastewater treatment plant, including the design of a 70,000 LF collection system.
- Assisted with permitting required for the development of the new lake and upgrades/expansion of the existing lake (included were Section 404 individual permit and Section 401 water quality certification).
- Prepared roadway and stormwater management plans, including typical pavement sections, road profiles, geometric layout plans, culvert and drop inlet sizing, drainage conveyance pipe and channel profiles, and miscellaneous stormwater management details.

City of Charleston – Inspection and preparation of rehabilitation design for Parking Garage No. 1.

Tucker County Industrial Park – Principal-in-Charge for the design which included water and sewer lines, stormwater management design, roadway design, pavement design, site grading plan, master plan, and geotechnical exploration/foundation recommendations.

Principal-in-Charge for site grading plans, stormwater management system, site surveying, roadway/parking lot design, wetland delineation/mitigation, and construction

monitoring for the 400,000-square foot Coldwater Creek distribution center in Parkersburg, West Virginia.

Principal-in-Charge of the civil/site design for the new Sissonville Middle School in Kanawha County, West Virginia. The project included a site grading plan with more than 230,000 cubic yards of earthwork to obtain 20 acres of level ground for a 74,000-square-foot school, football field, soccer field, baseball field, access roadways, and parking areas. The project included utility designs for water service, sanitary, and sewer. Stormwater collection systems and erosion and sediment control plan/permit completed.

Principal-in-Charge of civil/site design for the new Riverview High School and Bradshaw Elementary School in McDowell County, West Virginia. The project included 2,500 linear feet of relocated WV Route 80, relocation of 1,200 feet of Oozley Branch, and site work (grading, stormwater drainage, geotechnical recommendations, sanitary sewer, water, and electrical services) to serve the two schools. The project design included a site survey, geotechnical exploration, foundation recommendations, the design of excavation slopes, the layout of schools, parking areas, and athletic fields, utility design, roadway relocation plans, and stream relocation plans. Responsible for the design and preparation of contract bid documents (specifications and drawings) for civil/site work. POTESTA served as a sub-consultant to ZMM on this project.

Principal-in-Charge for civil/site design and permitting associated with constructing three synthetic fuel pellet plants in McDowell County, Nicholas County, and Kanawha County, West Virginia. The project included developing synthetic fuel manufacturing facilities on inactive surface mining sites. Services included subsurface exploration, foundation recommendations, grading plans, stormwater management plans, preparation of permit applications, and construction monitoring for site grading and foundation construction. The McDowell County site included a water source study to identify and select water sources for the manufacturing process. The three plants had a construction cost of \$25 million. The project was a design/build arrangement with POTESTA working directly for the owner.

Carmeuse Lime & Stone – Principal-in-Charge of engineering and environmental services for the expansion of current quarry operations at Winchester quarry in Winchester, Virginia. The expansion includes the addition

of two new vertical lime kilns and associated equipment, increasing their current aggregate crushing operation, and expanding their rail system to allow for increased shipping of products.

- Design included grading, stormwater management, and an access road crossing for a rail loop encircling the lime kilns and aggregate crushing areas with rail spurs for loading and unloading products to connect to two mainline rail carriers.
- The total project track length consists of approximately 29,000 linear feet of rail.
- The design of the rail expansion includes trackside ditches, culverts, stormwater management systems, gas line relocations and crossings, rail crossings, and internal plant roadways, as well as grading for the expanded aggregate plant and lime kilns.
- Additional designs included civil/site services for a new office building and the design of the sanitary water treatment system for this building.
- Acquired the necessary approvals to construct this project, such as approvals from local planning and zoning, inspections, health departments, and state governments such as the Virginia Department of Transportation, Department of Environmental Quality (DEQ), and Department of Mining and Mineral Extraction (DMME).
- Conducted wetland delineations, developed reports, and completed applications to the Norfolk District (Northern Virginia field office) of the United States Army Corps of Engineers (USACE).

Development of specifications for a sand mound treatment system in the U.S. Air Training Center near Pittsburgh, Pennsylvania.



STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

To all to whom these presents shall come, Greeting

Know Ye That The State Board of Registration for Professional Engineers, of the State of West Virginia, reposing special confidence in the Intelligence, Integrity and Discretion of

Dana L. Burns

DOES, IN PURSUANCE OF AUTHORITY VESTED IN IT

by law, hereby certify that he, having submitted satisfactory evidence of his ability and experience, is a

REGISTERED PROFESSIONAL ENGINEER

Registration Number [redacted]

To Hold and use such title, in the practice of his profession, subject to the conditions prescribed by law.



Given under the hand and the Seal of the Board at the Capitol in the City of Charleston, this 14th day of Sept. in the year of our Lord One Thousand Nine Hundred and Eighty-Five and of the State the One Hundred Twenty-Second

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

[Signature]

Secretary

Frank Gaddy

By

Robert S. Scott President

[Signature]

Kenneth H. Means

CHRISTOPHER A. GROSE, L.R.S.

Senior Engineering Associate



EDUCATION

M.S. Geological Engineering, 1990
University of Missouri-Rolla

B.S. Civil Engineering, 1988
West Virginia Institute of Technology

EMPLOYMENT HISTORY

1997-Present	Potesta & Associates, Inc.
1994-1997	Terradon Corporation
1990-1994	GAI Consultants, Inc.
1989-1990	University of Missouri-Rolla
1989	Triad Engineering Consultants (summer)
1988	West Virginia Institute of Technology
1983-1988	Clint Bryan & Associates Architects (summers)

PROFESSIONAL REGISTRATIONS

Licensed Remediation Specialist – West Virginia

PROFESSIONAL CERTIFICATIONS

- Hazardous Waste Site Operations and Superfund Worker Protection Training
- American Red Cross Standard First Aid and CPR
- Troxler Moisture-Density Gauge

PROFESSIONAL AFFILIATIONS

- American Society of Civil Engineers
- Association of Engineering Geologists
- Society of America Military Engineers

AREAS OF SPECIALIZATION

Geological/Geotechnical engineering related to subsurface exploration studies, soil and rock slope design, landslide causation studies, foundation system design, surface/subsurface hydrogeology, ground subsidence, contaminant transport, and groundwater flow modeling. Planning, designing, and permitting natural gas production well pads and access roads. Geological study of hazardous waste remediation sites, CERCLA/SARA, RI, and FS report compilation, geological and geotechnical aspects of siting and design of municipal and industrial waste landfills.

PROFESSIONAL EXPERIENCE

Geotechnical

Responsible for the development of geotechnical and geological recommendations as well as the development of stabilization designs for many failed soil/rock slopes in West Virginia. This work included initial site reconnaissance visits, the development of a subsurface exploration study and materials testing program, evaluation of stabilization alternatives, and construction plan preparation.

Travelers Insurance/City of Charleston – The Project included a subsurface exploration study, engineering design, and global stability evaluation of a failed soil slope in a residential neighborhood on Bona Vista Drive for the City of Charleston, West Virginia. The slide was caused by a water main break along an existing residential neighborhood paved roadway. The recommended slope stabilization method was to install a soldier beam and lagging retaining wall along an existing paved roadway (supporting the buried utilities) with the remainder of the failed slope below being removed and replaced with compacted soil backfill.

City of Charleston – Geotechnical assessment and development of regrading construction plans for the repair of a failed soil slope below Grandview Drive for the City of Charleston, West Virginia. The slope failure occurred

between two adjacent residential structures and encompassed a sanitary sewer main and storm drainage pipe receiving storm drainage from Grandview Drive. The stabilization plan involved the removal of the failed mass beginning at the toe of the slope and then working progressively upslope to result in a stabilized and regraded slope surface. The work required the removal of all failed material to the underlying rock surface and the installation of a shot rock toe buttress along a natural topographic bench near the toe. Following completion of the work the affected utilities were installed either below the fill material or outside the regraded slide.

Greer Industries Cheat River Quarry Haul Road – The project included the development of stabilization and repair recommendations for a failed soil slope which impacted a critical haul road utilized by the quarry operator to move raw shot rock material from the quarry to the crusher at the aggregate plant in Rowlesburg, West Virginia. The landslide occurred because of the failure of a cross-drainage culvert in the haul road. The failed soil mass was removed to the underlying bedrock following the installation of a stone toe buttress and toe key, the material was blended with aggregate material from the plant and placed in compacted lifts. The underlying rock surface was excavated to result in a series of “bond benches” allowing for the installation of underdrains below the compacted fill to collect groundwater and seepage from the underlying rock. This prevented the saturation of the fill material.

Responsible for the design, management, and inspection of a geotechnical investigation of a proposed five-mile rail extension in Nicholas County, West Virginia. The investigation included the study and design of planned rock cuts, and track foundation materials.

General Services Administration – Site evaluation, including continuous HNU scanning of collected soil samples and installation of piezometers for two proposed sites near Charleston, West Virginia.

West Virginia Department of Environmental Protection – Foundation design for a proposed 1,000,000-gallon potable water storage tank and valve pit near Cassidy, West Virginia.

Rhone Poulenc Ag Company – Subsurface sample collection, resistivity measurements, explosivity measurements, and decontamination procedures for an

organic contamination study at the Institute, West Virginia.

Preparation of foundation investigations for several large structures including a parking garage and student housing complex at Marshall University in Huntington, West Virginia. Tasks included the development of a subsurface exploration program, soil/rock sampling, testing program, and preparation of a final geotechnical report.

Expert Witness

Forensic study, expert testimony, and legal support related to the failure of numerous soil/rock slopes throughout West Virginia. This work included an extensive review of relevant project case documents, site reconnaissance visits, interviews with project personnel, and deposition testimony.

Lynn Elementary School – Technical insight and recommendations to attorneys representing an adjacent property owner related to the contributing factors related to the formation and continued failure of an excavated soil slope. The toe of the slope was excavated during the site development of the proposed elementary school site in Lynn, West Virginia.

Crichton & Crichton – Landslide formed along a wooded hillside below a residential driveway on Pleasant Lane in Wood County, West Virginia. The slope failure was noted during a substantial leak in an existing water main. The work included a review of case documents, interviews with various residents (plaintiffs in the case), and the development of supporting causation theory for the formation of the landslide. The work also includes the development of repair alternatives and associated construction estimates to be considered during the dispute hearing between the plaintiff and defendants.

Chesapeake Appalachia/Law Office of Jeffrey Mahal (R. Baker Natural Gas Production) – Provided technical study and file review of case documents related to the grading contractor’s construction work efforts to prepare a well pad for the installation of a series of horizontal gas production wells in Marshall County, West Virginia. The work included the removal of soil and rock from an existing hilltop. The resulting material was placed or wasted in a series of three side hill files along the edges of the resulting well pad. All three fills experienced progressive and ongoing failures following the construction effort. We reviewed design documents, construction records, and details related to several repair

attempts to result in the development of a professional opinion related to the various factors contributing to the multiple slope failures.

Nationwide Trial Division/Khan & Wheeler (Ross v. WVAW Landslide Case) – Provided professional opinion related to the formation of a slope failure along the Elk River immediately behind several commercial and residential homes near the Town of Elkview, West Virginia. The initial landslide occurred immediately following a main waterline break along the front of the structures. The regressive and prolonged failure continued over several weeks and ultimately damaged a gravity sanitary line as well as several of the structures. Work included an extensive review of several years of case records provided for the case including a review of existing utility maintenance records, historic climatologic data, river stage information, and depositional testimony from many of the affected parties. A summary of a professional opinion report was prepared describing several factors including lack of maintenance storm culverts in the area as well as an increase of saturation along the slope from the failed water main as the cause of the slide. It was determined that several structures were supported on previously placed fill material along the riverbank in the early 1900s in conjunction with the initial roadway construction. This coupled with the lack of maintenance and the presence of deteriorated drainage culverts contributed to the slope failure. The initial installation of the fill material was determined through an extensive study of the historic topographic mapping of the area.

Roadway Design

West Virginia Division of Highways – Geotechnical engineer on geotechnical/landslide master services agreement.

Geotechnical engineer for various bridge and highway projects including:

- North Bridgeport Bypass
- McDowell County Schools
- Corridor H
- Dundon Bridge
- Sulphur Springs Bridge Replacement
- Smith Creek Bridge
- Martha Truss Bridge
- Martha Concrete Girder Bridge Replacement
- Dry Run Interchange
- I-81 Upgrade
- Platinum Drive
- Kenna Ridge Business Industrial Park/Access Road

Hardy County Rural Development Authority – Engineering services for the study, design, and preparation of construction contract plans, related documents, and construction oversight services for an industrial access road for the Baker Business Park District.

Roane County Development Authority – Site development construction documents for National Industrial Wholesale Lumber in Roane County's industrial park.

ZMM – Site design and engineering for a new elementary school and new high school in Bradshaw, West Virginia on an existing elementary school site.

West Virginia Department of Highways – Evaluation of subsurface conditions including soil and rock to provide geotechnical recommendations for the potential bridge abutment foundation systems near Martinsburg, West Virginia. Alternatives included both shallow and deep foundations. Deep foundations were required at several abutments due to voids encountered in limestone bedrock.



EDUCATION

B.S. Civil Engineering, 1984
West Virginia University

EMPLOYMENT HISTORY

1997-Present Potesta & Associates, Inc.
1995-1997 Terradon Corporation
1984-1995 GAI Consultants

PROFESSIONAL REGISTRATION

- Professional Engineer – West Virginia
- Licensed Remediation Specialist – West Virginia

PROFESSIONAL CERTIFICATION

- Hazardous Waste Site Operations and Superfund
- Worker Protection Training, 40-Hour Training
- Supervisory Training and Annual Refreshers
- Troxler Nuclear Densometer Certification

SERVICE ON BOARDS AND COMMISSIONS

Commissioner – Sissonville Public Service District

AREAS OF SPECIALIZATION

Environmental assessments, environmental sampling, and remedial programs, conceptual and final designs for chemical, utility, and municipal solid waste disposal sites, including liner systems, leachate management systems,

stormwater management systems, operational plans, capping/closure systems, abandoned mine land reclamation projects, sludge stabilization and basin/pond closure projects, environmental permitting, hydrologic and hydraulic analyses, and quality assurance/quality control monitoring.

PROFESSIONAL EXPERIENCE

Civil/Site Design

Ridgeline, Inc./Cabela's – Retained by developer and Cabela's to provide civil engineering design services for a new Cabela's store in Charleston, West Virginia:

- ALTA survey
- Subsurface exploration
- Grading plan includes balanced cut and fill for the building pad, parking fields, and access roads.
- Stormwater collection system design includes curb inlets, catch basins, and culverts.
- Pavement design.
- Utility extension designs include sanitary sewer, potable water, fire service, natural gas, underground electricity, underground telephone, and underground cable television.
- Permitting services
- Support for local approvals including approval from Charleston Municipal Planning Commission as a Development of Significant Impact and building permit to allow construction to begin.
- MM-109 permit to allow for connection of the store's new roadway with the existing public roadway.

South Charleston Development Authority – Project Manager for the engineering and site design for the development of Park Place, a 500,000-square-foot retail, entertainment, and food/beverage development on a 38-acre former fly ash disposal and former manufacturing plant in South Charleston, West Virginia.

- Topographic mapping including aerial photography
- Geotechnical engineering for the characterization of fly ash material and natural soils and evaluation of the fly ash for structural fill.

- Developed a plan to remove 900,000 cubic yards of soil and rock from a borrow site to use as fill for the development.
- Permitting including landfill/National Pollutant Discharge Elimination System permit, construction stormwater permits, and West Virginia Dam Safety permit.
- Design and construction of new emergency spillway, sanitary sewer, storm sewer, water, gas, communications, electric, and lighting.
- Drainage and roadway design.
- Construction phase services include assistance with contractor bidding of the project, evaluation of bids, and construction monitoring.

Fieldcrest Subdivision – Project manager/engineer for the development of a nine-lot subdivision in Charleston, West Virginia. Design and permitting/regulatory approvals for infrastructure, including new street, sanitary sewer and water mains, stormwater, electric, telephone, cable, and natural gas. Preparation of drawings/specifications for necessary governmental agency approvals and for solicitation of bids. Inspection and certification of completed sanitary sewer system.

Connell Pointe Subdivision – Project manager/engineer for the development of an eleven-lot subdivision in Charleston, West Virginia. Design and permitting and regulatory approvals for infrastructure, including new street, sanitary sewer main, water main, natural gas service, stormwater, electric, telephone, and cable. Preparation of drawings/specifications for governmental agency approvals and for solicitation of bids. Inspection and certification for completed sanitary sewer systems.

Conner Drive Townhouses – Project manager/engineer for the development of 13 townhouse lots just outside of Charleston, West Virginia. Planning, surveying, design, and regulatory approvals for infrastructure, including new street, stormwater management system, sanitary sewer main, water main, electric, natural gas, telephone, and cable.

Gettysburg Subdivision – Project manager/engineer for an 18-lot subdivision in Kanawha County, West Virginia. Design, surveying, and regulatory approvals for infrastructure, including new street, sanitary sewer main, water main, stormwater management system, electric, natural gas, telephone, and cable. Preparation of drawings/specifications for solicitation of bids.

Inspection and certification of the sanitary sewer collection system and pump station.

Yorktowne Subdivision – Project engineer for development and construction phase services for a 50-lot subdivision in Charleston, West Virginia. Design of streets, lots, stormwater management systems, sanitary sewer mains and pump stations, water mains, underground electric, natural gas, telephone, and cable.

City of Charleston – Feasibility study for the replacement of the CSX Ramp in Charleston, West Virginia.

Villages at Coolfont – Project manager for a project in Morgan County, West Virginia, which included planning, engineering, and permitting associated with developing a second home community on 1,000 acres near Berkeley Springs, West Virginia. Project included:

- Potable water supply source (wells), treatment plant, storage, and distribution system
- 0.44 MGD MBR wastewater treatment plant and sanitary sewer collection system
- Community roadways and storm sewer systems
- Detailed plans for the water and wastewater treatment plants and the distribution allocation system serving the first 124 homes
- Permits were obtained for the water and wastewater plants

Suncrest Subdivision – Project engineer for the development of subdivision in Charleston, West Virginia. The project included engineering and permitting for a new residential subdivision including roadway, underground electric, telephone, cable, water, sanitary sewer, and stormwater. The sanitary sewer system was designed, constructed, and monitored under the terms of an alternate mainline extension agreement with the Charleston Sanitary Board.

Business and Industrial Development Corporation – Preparation of Utility Extension and Roadway Paving Plans for Southridge Centre - Phase 2 area. The project included the preparation of bidding/construction drawings to provide natural gas, water, sanitary sewer, telephone, and cable television serving four commercial lots and a 50-lot proposed subdivision. All utilities were underground. The length of the project was approximately ½ mile. The project also included roadway paving and stormwater drainage.

Mixed-Use Industrial Park – Development of a conceptual development plan for a mixed-use industrial park. The evaluation included developing preliminary alignments for two access roadways including earthwork requirements, drainage, subbase, and paving with preliminary cost estimates. The total length of the road was over 5 miles. The evaluation also included a preliminary layout of water and sewer service for a proposed 400-acre development.

Plasma Processing Corporation – Preparation of permit to construct and site development plan for a secondary aluminum processing facility startup in Jackson County, West Virginia.

Utility Relocation Plans – Required for site development, waterline, and sewer construction projects. Projects included the determination of utility locations by records review, utility contacts, and surveying. Designs were prepared including locations, details, and pavement replacement. The design also included obtaining approvals from the West Virginia Division of Highways and the owners of the utilities.

Stormwater

Expert Witness – Retained for the plaintiff damaged as a result of flooding caused by lack of maintenance at a culvert system in Westmoreland, Wayne County, West Virginia.

Stormwater Drainage Plans – Site development projects including pre- and post-development discharges, design of sediment control devices, preparation of stormwater general permit application, and consulting for numerous construction projects in West Virginia.

Stormwater Evaluation – Evaluation of stormwater drainage system (culverts and channels) to alleviate flooding problems for a church in Kanawha County, West Virginia. The project included computer modeling to identify culvert capacities and to identify repair options.

Expert Witness – Retained to support a property owner damaged as a result of flooding caused by downstream obstructions. Reviewed regulatory agency files, conducted site inspections, evaluated possible remedial measures and provided support in anticipation of litigation.

Expert witness – Retained for plaintiff damaged as a result of flooding from upstream construction. Visited site to observe problem areas, reviewed construction practices/procedures, reviewed regulatory permits, and provided testimony for the cause of flooding.

Developed stormwater management plans, including calculation of peak runoff rates, storm volumes, and design of stormwater management devices including culverts, ditches, sumps, ponds, principal pipe spillways, and emergency spillways for the following projects:

- Site development projects including commercial, retail, and industrial sites ranging from ¼ acre to more than 100 acres.
- Abandoned mine lands reclamation projects, including landslides, refuse piles, slurry ponds, and subsidence control projects.
- Commercial and industrial waste landfill projects.
- Roadway design projects.
- Other projects involve the disturbance of the ground surface.



STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

To all to whom these presents shall come, Greeting.

Know Ye That The State Board of Registration for Professional Engineers, of the State of West Virginia, reposing special confidence in the Intelligence, Integrity and Discretion of David M. Kiser

DOES, IN PURSUANCE OF AUTHORITY VESTED IN IT

by law, hereby certify that he, having submitted satisfactory evidence of his ability and experience, is a

REGISTERED PROFESSIONAL ENGINEER

Registration Number [redacted]

To Hold and use such title in the practice of his profession, subject to the conditions prescribed by law.



Given under the hand and the Seal of the Board at the Capitol in the City of Charleston this 15th day of March in the year of our Lord One Thousand Nine Hundred and Ninety and of the State the One Hundred Twenty-sixth.

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

[Signature]

Secretary Kenneth H. Means

By Frank Gaddy President Robb Scott



EDUCATION

- B.S. Civil Engineering, 2002
West Virginia University Institute of Technology
- A.S. General Science, 2000
West Virginia University

EMPLOYMENT HISTORY

- 2003-Present Potesta & Associates, Inc.
2001-2002 WV Dept of Transportation District 3-
Design/Field Inspector

PROFESSIONAL REGISTRATIONS

Professional Engineer – West Virginia

SERVICE ON BOARDS AND COMMISSIONS

WV Society of Professional Engineers Board Member

AREAS OF SPECIALIZATION

Management and oversight of civil engineering projects with services related to surveying, geotechnical exploration, planning, design, permitting, and construction monitoring. Project categories include oil and gas pipeline permitting, oil and gas well pads, residential, commercial, and industrial development, stormwater management facilities, and solid waste landfills.

Project responsibilities include civil site design, hydrologic and hydraulic design, grading plans, water line plans, sewer line plans, roadway layout, utility design, development of technical specifications, preliminary cost estimates, schedule, and budget tracking.

PROFESSIONAL EXPERIENCE

Civil/Site Design

Development of grading plans, cut/fill analysis, utility design/layout, engineer's cost estimates, preparation of permit applications, consulting with clients, architects, regulatory agencies, and municipalities. Detailed design, preparation of construction drawings, technical specifications, cost estimate, contractor's bid documents, review and recommendation of contractor's bids, and review of shop drawings.

- West Virginia Water Development Authority Office
- Pison Development – 10 apartment complex projects
- Double C Enterprise – Kenna Ridge Business Park
- Tricor Development – Hurricane Market Place Parcels A and B
- Green Eagle Development – four residential site development projects
- Ervin Development – Woodstock commercial site development project
- MDG Development – Oakland subdivision
- Tucker County Industrial Park – water and sewer line expansion
- ZMM – Bradshaw High School project
- Dunlap Builders – West Run Student Housing
- Allegheny Energy Supply's Fort Martin Power Station – fly ash landfill expansion project

Flood Studies/Stormwater Management

Floodplain Management – Tasks included the development of hydraulic modeling of watersheds for existing and proposed conditions using HEC-RAS and HEC-HMS to determine flood levels and the impact on the properties of residents, oversight of surveying, and mapping development. The project's scope included filling within the Special Flood Hazard Areas (SFHA), residential and commercial development within SFHA, obtaining the original computer model of floodplain data from the United States Army Corps of Engineers (USACE), and coordination with the local floodplain manager, FEMA, and USACE. Preparation of permit

application packages for FEMA's LOMA, CLOMR-F, and LOMR application submittals.

- Pison Development – Mineral Manor, Knollview Village Apartments, Willow Tree Apartments, Crestview Apartments
- Copper Beech – townhouse development project
- Jo's Globe Distribution – expansion project
- Blue Ridge Builders – Cheat Landing Development
- Hamlin United Methodist Church – Revised Floodway project
- Columbia Pipeline Group – Clendenin Low Water Crossing

Stormwater Management Design – Tasks include hydrological analysis, hydraulic evaluations of open and closed channel flow systems, storm sewer design, velocity dissipation analysis and design, stormwater retention/detention design, water quality analysis and design, and sediment control structure design. Programs utilized during projects included Haestad Method Programs and SedCad Software.

- Echo, Inc. – Tupper's Creek site development
- Pison Development – six projects
- Kenna Ridge Business Park
- Hurricane Market Place
- Woodstock – commercial site development
- Green Eagle – three projects
- O-N Mineral – process pond
- RJ Recycling, LLC – Riverside Yard sediment/oil control ponds
- Dunlap Builders, Inc. – West Run Student Housing project



STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

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the Intelligence, Integrity and Discretion of

Jarrett M. Smith

DOES IN PURSUANCE OF AUTHORITY VESTED IN IT
by law hereby certify that he having submitted
satisfactory evidence of his ability and experience is a

REGISTERED PROFESSIONAL ENGINEER

Registration Number [REDACTED]

"To Hold" and use such title in the practice of his profession,
subject to the conditions prescribed by law.



Given under the hand of the
Seal of the Board at the Capitol in the
City of Charleston,
This 20th day of December
in the year of our Lord 2007
and of the State
the One Hundred Forty-Fourth

Members of the Board

James D. Thomas, Jr. *Richard E. Dignas*

Bhajan S. Sahja *William E. Pierson* _____

DAVID B. SHARP, P.E.

Branch Manager/Senior Engineer



and right-of-way plans; and municipal water and wastewater projects.

PROFESSIONAL EXPERIENCE

Geotechnical

Engineer responsible for performing subsurface investigations, preparing geotechnical reports, coordinating laboratory analysis programs, and providing recommendations for lateral earth pressures, bearing capacities, modulus of subgrade reactions, settlements, and construction specifications for multi-story structures. Foundations considered have included steel H-piles, auger-cast piles, drilled piers, spread footings, and mat foundations:

EDUCATION

- M.S. Civil Engineering, 1995
West Virginia University
- B.S. Civil Engineering, 1993
West Virginia University

EMPLOYMENT HISTORY

- 2003-Present Potesta & Associates, Inc.
2000-2003 CTL Engineering, Inc.
1997-2000 Potesta & Associates, Inc.
1994-1997 Terradon Corporation

PROFESSIONAL REGISTRATIONS

Professional Engineer – West Virginia, Pennsylvania, Maryland, Ohio, and Kentucky

PROFESSIONAL AFFILIATIONS

American Society of Civil Engineers

AREAS OF SPECIALIZATION

Involved with many aspects of civil engineering with a special interest in the geotechnical/environmental aspects. Responsibilities have included projects involving Civil/Site Design; Geotechnical Design, Solid Waste Management Facility Design, including geosynthetic applications; hydrologic and hydraulic design; transportation/highway projects, including geotechnical

- Snowshoe Resort Activity Center – Snowshoe, WV
- Stockert Youth Center – Buckhannon, WV
- D&E College Dormitory – Elkins, WV
- Suncrest UMC Parsonage – Morgantown, WV
- Elkins-Randolph Public Library – Elkins, WV
- Historic Tygart Hotel Elevator – Elkins, WV
- Mon County BOE Tech Center Feasibility – Morgantown, WV
- MedExpress Admin Office – Morgantown, WV
- Firefly Commons Housing Dev – Elkins, WV
- Solvay Expansion – Marietta, OH
- Superior Fibers Add. – Reedsville, WV
- Citizens Bank Add. – Buckhannon, WV
- Chemours Fire Station – Washington, WV
- Camp Dawson 2 New Buildings – Kingwood, WV
- Dental Spa – Morgantown, WV
- Marshall Baseball Stadium – Huntington, WV
- Citizen's Bank – Buckhannon, WV
- Miners & Merchants Bank – Davis, WV
- D&E College Myles Center Add. – Elkins, WV
- Buzz Foods Add. – Charleston, WV
- Solvay WWTP Clarifier – Marietta, OH
- Black Oak Office Building – Morgantown, WV
- D&E College Harper McNeeley Waterproofing – Elkins, WV
- Family Dollar Store – Berkeley Springs, WV
- Rubbermaid Distribution Ctr Add. – Winchester, VA
- WVU Transportation Ctr/ Garage – Morgantown, WV
- 4 West WTP – Greene County, PA
- CA Ventures Student Housing – Morgantown, WV
- Copper Beech Student Housing – Morgantown, WV
- Sunnyside Commons Student Housing – Morgantown, WV

- WVU Eng. Building East Add. – Morgantown, WV
- PSC Admissions Bldg. Add. – Mineral County, WV
- GSC Health & Sciences Bldg. – Gilmer County, WV
- GSC Residence Hall – Gilmer County, WV
- Christy Street Office Building – Morgantown, WV
- Harry Green Nissan Dealership Building Add. – Harrison County, WV
- Elkins Dodge Dealership – Randolph County, WV
- Sam’s Club Fueling Station – Clarksburg, WV
- Wal-Mart Fueling Station – Connellsville, PA
- Cheat Lake Elementary School Bldg. Add. – Monongalia County, WV
- Churchill Village Housing Project – Monongalia County, WV
- R.E. Michel HVAC Commercial Bldg. – Monongalia County, WV
- ICM Islamic Center – Morgantown, WV
- Catlettsburg Refining Company Alkylolation and Wastewater Control Room – Catlettsburg, KY
- WVARNG Camp Dawson Fueling System – Kingwood, WV
- MEPCO Dock Expansion Project – Morgantown, WV
- West Run Student Housing – Morgantown, WV
- Fairmont Federal Credit Union – Bridgeport, WV
- Morgantown Waterfront Marina – Morgantown, WV
- Residence Inn – Morgantown, WV
- Suncrest Executive Office Plaza and Parking Garage – Morgantown, WV
- WVU Research Park – Morgantown, WV
- View at the Park Apt Complex – Morgantown, WV
- Marriott Hotel – Morgantown, WV
- Bucks Tavern – Morgantown, WV
- Stouts Run United Methodist Church Add. – Parkersburg, WV
- Fairfield Inn Hotel – Fairmont, WV
- Wendy’s Restaurant – Morgantown, WV
- Sunoco Service Station – Robinson Township, PA
- St. Stephen Baptist Church – Morgantown, WV
- Islamic Center – South Charleston, WV
- Oak Hill Public Library – Oak Hill, OH
- Westside High School – Oceana, WV
- WVARNG Readiness Center – Summersville, WV
- Marshall Student Housing Facility – Huntington, WV
- Marshall Parking Garage – Huntington, WV
- Marshall Library – Huntington, WV
- Marshall Student Center Add. – Huntington, WV
- Marshall Jomie Jazz Center – Huntington, WV
- Marshall Child Care Center – Huntington, WV
- U.S. Equipment Distributors – Huntington, WV
- Pace Carbon Fuels WV #2 and #3 – Summersville and Eckman, WV
- WVU Luxury Box – Morgantown, WV
- Marshall Mid-Ohio Valley Ctr – Point Pleasant, WV
- Arbor Terrace Assisted Living – Charleston, WV
- Arbor Terrace Assisted Living – Huntington, WV
- Pocahontas County PSD WTP – Snowshoe, WV
- Pt. Marion Water Tank Replacement – Pt. Marion, PA
- Mon Gen Hospital/Access Road – Morgantown, WV
- Kasson Elem/Middle School Repair – Kasson, WV
- North Marion Vocational/Technical Center School Repair – Marion County, WV
- Mon County Public Office Bldg. – Morgantown, WV
- Cell Phone Towers in WV, PA, and MD
- EQT – Natural gas compressor stations pads and additions in Wetzel and Marion Counties, WV, and Monroe County, OH
 - EQT – Logansport Compressor Station Add.
 - EQT – Plasma Compressor Station Pad
 - EQT – Corona Compressor Station Pad
 - EQT – Gemini Compressor Station – Geotechnical Feasibility
 - EQT – Gemini Interconnect Pad
- Basic Systems, Inc. – Natural gas compressor stations pads and additions in Greene, Franklin, and Adams Counties, PA, and Wetzel and Randolph Counties, WV
 - Basic Systems, Inc. – Waynesburg Compressor Station Add.
 - Basic Systems, Inc. – Gettysburg Compressor Station Add.
 - Basic Systems, Inc. – Greencastle Compressor Station Add.
 - Basic Systems, Inc. – Files Creek Compressor Station Add.
 - Basic Systems, Inc. – Smithfield Compressor Station Add.
- Dominion Transmission – Crayne Compressor Station Add. in Greene County, PA
- Stone Energy – Marcellus Well Pad Sites in Wetzel County, WV:
 - Stone Energy – Mills Wetzel #3 Well Pad – Wetzel County, WV
 - Stone Energy – Conley Well Pad – Wetzel County, WV
 - Stone Energy – Langmyer Pad – Wetzel County, WV
- Mountaineer Keystone – Mackey-Wolfe Well Pad in Barbour County, WV
- Chesapeake Energy – Rayle Coal Co. Well Pad in Ohio County, WV
- Residential geotechnical projects in Charleston and Morgantown, WV
- EQT Midstream – Geotechnical recommendations for natural gas transmission lines including horizontal directional drilling projects:
 - H-310 Coal Refuse Area – Monroe County, OH
 - Harrison County HDD – Harrison County, WV

- Ohio River HDD – Wetzel County, WV and Monroe County, OH

Responsible for the coordination of subsurface investigation, laboratory testing program, slope stability analysis, and preparation of design documents associated with the repair of landslides at various sites throughout West Virginia. Representative designs have included soldier beam and lagging retaining walls, gabion basket retaining walls, segmental block retaining walls, rock toe keys and buttresses, and drainage improvements. The following provides a list of representative projects:

- Polan Properties Landslide Repair – Huntington, WV
- WVDEP AML Sardis Landslide Repair – Harrison County, WV
- Upper Grave Creek Dam – Cameron, WV
- WVU University Ave Rockfall – Morgantown, WV
- Kinetic Park Landslide Repair – Huntington, WV
- Morgantown Parking Authority Armory Lot Retaining Wall – Morgantown, WV
- Town of Granville Bowser Street Landslide Repair – Monongalia County, WV
- Marshall Portal Access Road Landslide Repair – Greene County, PA
- Weekley Well Pad Landslide Repair – Wetzel County, WV
- Shupbach Ridge Road Landslide Repair – Wetzel County, WV
- Mills Wetzel #2 Well Pad Landslide Repair – Wetzel County, WV
- Mills Wetzel #2 Road Landslide Repair – Wetzel County, WV
- Potts Well Pad Landslide Repair (2 separate landslides) – Wetzel County, WV
- Haynes Branch Gas Line Landslide Repair – Wetzel County, WV
- Decker’s Creek Mine Stockpile Area Landslide Repair – Preston County, WV
- Wentz Freshwater Impoundment Embankment Stability Repair – Barbour County, WV
- Columbia Gas Transmission Well #7331 Slide Repair – Elkview, WV
- Cline Tower Landslide – Winfield, WV
- Wellford Tower Landslide – Clendenin, WV
- Massie Ridge Tower Landslide – Camp Creek, WV
- Fisher Landslide – Elkview, WV
- Kennawa Landslide – Charleston, WV
- Burlew Landslide – Charleston, WV
- Lee Landslide – South Charleston, WV
- Fairmont North Tower Landslide – Fairmont, WV
- 6th Street Tower Landslide – Huntington, WV

- Joyce Landslide – Chesapeake, OH
- WVAML Emergency Landslide – Toppers Creek, WV
- Schmidt Landslide – Gallipolis, OH
- Disposal Service, Inc. Landslide – Hurricane, WV
- Wellston HS Landslide Repair – Wellston, OH
- Pribble Tank Landslide Repair – New Martinsville, WV
- Potokczny Well Pad Landslide Repair – Marion County, WV
- Ridgepoint Landslide Repair – Morgantown, WV

Involved with the layout of the boring plan, staking borings in the field, preparation of the boring contract documents, soliciting bids, awarding drilling contracts, monitoring of drilling operations, coordination of laboratory testing programs, preparation of boring diagrams, and preparation of subsurface exploration report foundation recommendations and slope reviews for various West Virginia Department of Transportation Projects:

- Platinum Drive Urban Connector – Bridgeport, WV
- Segment of WV State Route 2 – Moundsville, WV
- Segment of National Road – Wheeling, WV
- Segment of North Bridgeport Bypass – Bridgeport, WV
- Corridor H, Section IV – Davis, WV
- Sulphur Springs Bridge – Hundred, WV
- Dry Run Interchange – Martinsburg, WV
- Interstate 81 Hainsville, Bessemer and Tuscorora Creek Bridges – Martinsburg, WV
- CR 24 Bridge Replacement – Jackson County, WV
- CR 3 Temporary Bridge – Jackson County, WV
- CR 56 Temporary Bridge – Wetzel County, WV
- CR 28 Bridge Replacement – Ritchie County, WV
- CR 3 Temporary Bridge – Roane County, WV

Expert Witness

Served as Expert Witness in cases involving geotechnical, earthwork construction, and/or drainage issues. Many of these cases involved a review of available information, development of professional opinions, issuance of an expert report, depositions, and expert testimony.

- West Virginia Division of Highways v. GoMart, Inc. et al. – Jackson Kelly – Circuit Court, Wood County, Civil Action No. 17-C-205 – Civil Site Design/Traffic Turning Movements (Defense)
- First Baptist Church of Burnsville v. Hall Dozer Company, Inc. – Jenkins Fenstermaker, PLLC –

- Circuit Court, Braxton County, Civil Action No. 20-C-46 – Construction/Geotechnical (Defense)
- LMR Property, LLC v. City of Bridgeport – Pullin, Fowler, Flanagan, Brown & Poe, PLLC – Circuit Court, Harrison County, Civil Action 21-C-262-2 – Geotechnical/Utility (Defense)
- Corotoman v. Yeager Airport – Milberg Coleman Bryson Phillips Grossman – Geotechnical (Plaintiff)
- Critchfield v. State Farm et. Al. – Bowles Rice – Circuit Court Taylor County – Civil Action 19-C-48 – Vehicular Damage resulting in Building Damage (Defense)
- Caloccia v. Enervest – Jackson Kelly & Smith Law – Harrison County – Civil Action 20-C-9 Geotechnical (Defense)
- First Baptist Church of Burnsville v. Hall Dozer – Braxton County – Civil Action 20-C-46 – Geotechnical (Defense)
- Solem v. Highlands of the Potomac, LLC – Shuman McCuskey Slice, PLLC – Circuit Court Berkley Co. – Civil Action 18-C-408 – Flooding (Defense)
- Liston v. Frontier West Virginia, Inc. – Bowles Rice – Circuit Court Monongalia Co. – Civil Action 16-C-279 – Flooding (Defense)
- Pauley v. Schumacher Homes of WV, Inc. – Bowles Rice – AAA – Case 01-18-0000-0240 – Foundation Construction (Defense)
- Logan County Board of Education – Bowles Rice – Circuit Court Logan County – Civil Action 17-C-11-B – Geotechnical (Plaintiff)
- JKLM Energy, LLC et. al. vs. Big Level Wind, LLC, John Hancock Life Insurance et. al. Court of Common Places of Potter County, Pennsylvania No. 86 CD 2017 – Construction, geotechnical and civil/site design associated with gas well pads (Defense)
- Wilkins, Scott v. R&R Holdings – Civil Action 15-c-295 – Flooding and drainage (Defense)
- Larry Rine, et. al. vs. Chesapeake Appalachia, LLC. Robinson & McElwee – Civil Action No. 5:11-CV-4 – Landslide on Natural Gas Well Pad (Defense)
- Bisacca v. Pennsylvania Department of Transportation, Thomas J. Dempsey, Attorney at Law – Earthwork Construction Practices (Plaintiff)
- Sven Verlinden and Lisa Verlinden v. Morgantown Utility Board, et. al. Shuman, McCuskey & Slicer, PLLC – Civil Action No. 11-C-573 – Combined Sewer Flooding (Defense)
- Russell D. Kitchen and Suzanne G. Kitchen v. Morgantown Utility Board – Shuman, McCuskey & Slicer, PLLC – Civil Action No. 11-C-745 – Combined Sewer Flooding (Defense)
- Darin O. Arnold and Sarif J. Arnold v. Morgantown Utility Board – Shuman, McCuskey & Slicer, PLLC – Civil Action No. 11-C-749 – Combined Sewer Flooding (Defense)
- Rider v. Fairmont Homes, LLC. – Flaherty, Sensabaugh & Bonasso, PLLC – Claim No. 1012802 – Landslide and Residential Construction Issues (Defense)
- Thomas A. Logston and Joanne C. Logston v. Charles E. Kolb d/b/a Kolb Excavating – A.D. Baker Homes, Inc. and Alan D. Baker, Bowles, Rice, McDavid, Graff & Love – Civil Action No. 10-C-116 – Landslide Resulting in Property Damage (Plaintiff)
- LJH, Inc. v. Quadruple S. Farms, LLC and Four-S-Development, Bowles Rice LLP – Civil Action No. 09-C-438 – Rockfall and Commercial Construction Practices (Plaintiff)
- Mingo County Airport Authority Claim Against Appalachian Paving & Aggregate, Inc. – Robinson & McElwee, PLLC – Earthwork and Construction Related Issues (Defense)
- Children’s Home of Wheeling v. Cast & Baker, et. al. Civil Action No. 06-CV-374W – Geotechnical (Plaintiff)
- Colaianni Construction, Inc. Claim for Cost Recovery Against Koker Drilling at Wetzel County Hospital, Wellness Center Add. – Spilman, Thomas & Battle – Retaining Wall Failure Resulting in Building Damage
- Hilling Enterprises, LLC et. al. v. Midtown Motors, Inc. et. al. – Civil Action No. 13-C-308 – Landslide Causing Property Damage (Defense)
- Stan-Corp v. Scott Properties, LLC. et. al – Bowles Rice LLC – Landslide Impacting Roadway and Property (Defense)
- Stephen C. Fish et. al. v. McCloy Construction et. al. – Bowles Rice, LLP – Civil Action 03-C-3050 – Structure Foundation Settlement (Plaintiff)
- Industrial Machine v. American Geotech – Bowles Rice, LLP – Civil Case 02-C-115 – Subsurface Exploration and Geotechnical Design (Defense)
- Pell, Robert K., et. al. v. SAMOA, LLC, et. al. – Claim No. 010510386236 – Drainage Related Claim (Defense)
- Timothy J. and Victoria Calissie v. AB Resources, LLC, et al. – Steptoe & Johnson, PLLC – Civil Action No: 13-C-43K – Circuit Court of Marshall County, WV
- Counts v. City of Charleston, et al. – Shuman, McCuskey & Slicer, PLLC – Civil Action No. 15-C-2169

- Huggins v. AAA Mobile Homes of New Martinsville et. al. – Pullin, Fowler, Flanagan, Brown & Poe, PLLC – Civil Action No. 14-C-60 – New Martinsville, Wetzel County, West Virginia
- The Board of Education of the County of Logan, West Virginia a/k/a Logan County Board of Education v. Triad Engineering, Inc. – Bowles Rice McDavid Graff & Love – Civil Action No. 17-C-11

Civil/Site Design

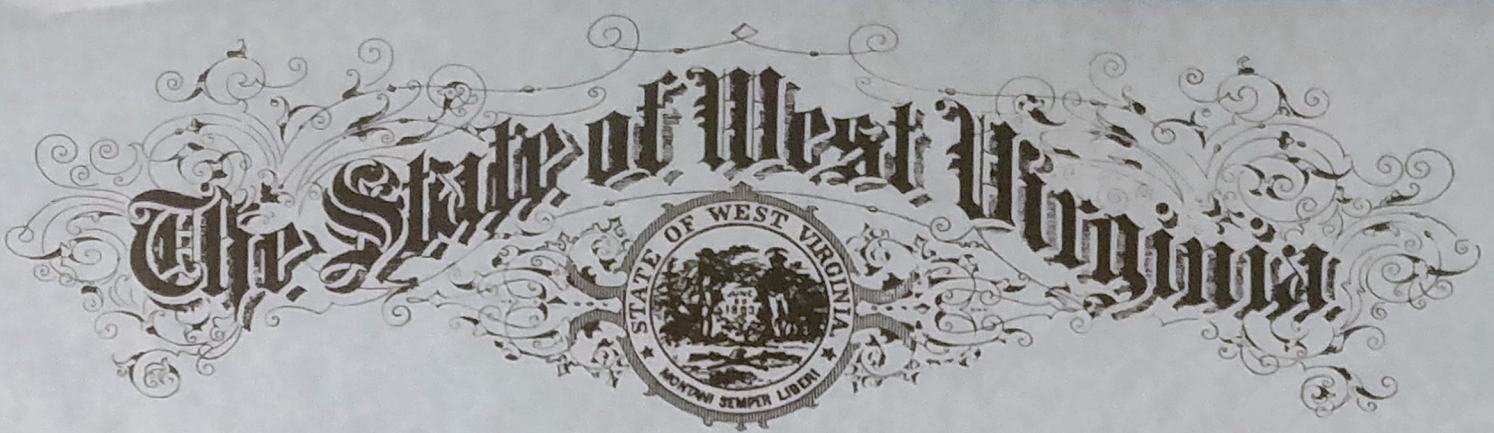
Project Manager/Engineer on projects involving most aspects of site development. Involvement has included civil/site design, geotechnical aspects, hydrology/hydraulics, permitting, erosion/sediment control/permitting, etc.:

- D&E College Student Dormitory – Elkins, WV
- Stockert Youth Center – Buckhannon, WV
- Appalachian Hotel – Kingwood, WV
- D&E College Myles Plaza Improvement – Elkins, WV
- Citizen’s Bank – Buckhannon, WV
- Citizen’s Bank – Elkins, WV
- Miners & Merchants Bank – Davis, WV
- Dental Spa – Morgantown, WV
- University Place Parking Garage – Morgantown, WV
- Sunnyside Commons Student Housing – Morgantown, WV
- Coombs Farm Residential Development – Morgantown, WV
- Morgan Point Residential Subdivision – Morgantown, WV
- Town of Granville Boat Ramp – Granville, WV
- West Run Student Housing – Morgantown, WV
- Copper Beech Student Housing – Morgantown, WV
- Summit at Cheat Lake Residential Development – Morgantown, WV
- Summit at Greystone Residential Development – Morgantown, WV
- Sleepy Hollow Residential Development – Morgantown, WV
- Shiloh Residential Development – Morgantown, WV
- Summerfield Residential Development – Morgantown, WV
- Mayfield Estates Residential Development – Morgantown, WV
- Cheat Landing Residential Development – Morgantown, WV
- Churchill Village Complex – Morgantown, WV
- Trinity Christian School Football Field – Morgantown, WV
- Morgantown Technical Services Industrial Expansion – Mt. Morris, PA
- WVU Beechhurst Parking Lot – Morgantown, WV
- Marcellus Well Pad Sites for Various Clients – Northern WV

Construction Monitoring

Project Manager/Engineer involved with and/or responsible for construction observation/testing on construction projects. These projects routinely involved earthwork testing utilizing a nuclear density gauge and other test methods during earthwork placement and compaction. Many projects also included concrete testing including slump, comprehensive strength, air entrainment, and/or floor flatness testing. The following is a summary of projects involving construction observation and testing:

- Sunnyside Commons Student Housing – Morgantown, WV
- Family Dollar Store – Smithfield, PA
- University Place Parking Garage – Morgantown, WV
- Church Hill Village Housing – Morgantown, WV
- Mills Wetzel #3 Well Pad – Wetzel County, WV
- Shupbach Ridge Road Landslide Repair – Wetzel County, WV
- Potts Landslide Repairs – Wetzel County, WV
- Pribble Tank Landslide Repair – Wetzel County, WV
- Potokczny Landslide Repair – Marion County, WV
- Tucker County Industrial Park – Tucker County, WV
- Pocahontas County Landfill Cell 3 Expansion – Pocahontas County, WV
- Disposal Services Landfill Expansion Area – Hurricane, WV
- Platinum Drive Urban Connector Landslide Repair – Bridgeport, WV
- Trinity Christian School Football Field – Morgantown, WV
- Kasson Elem/Middle School Pyrite Remediation – Barbour County, WV
- City of Philippi Water Improvement – Barbour County, WV
- Mackey Wolfe Well Pad – Barbour County, WV
- Morgantown Technical Services Expansion – Mt. Morris, WV
- Lakin Correctional Center – Wood County, WV
- Western Regional Jail – Cabell County, WV
- Merrick Creek Farm Commercial Development – Cabell County, WV



STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

To all to whom these presents shall come, Greeting.

Know Ye That The State Board of Registration for Professional Engineers, of the State of West Virginia, reposing special confidence in the Intelligence, Integrity, and Discretion, of

David B. Sharp

DOES, IN PURSUANCE OF AUTHORITY VESTED IN IT

by law, hereby, certify that he, having submitted satisfactory evidence, of his ability and experience, is a

REGISTERED PROFESSIONAL ENGINEER

Registration Number [REDACTED]

To Hold and use such title in the practice of his profession, subject to the conditions prescribed by law.



Given under the hand and the Seal of the Board, at the Capitol in the City of Charleston, this 28th day of July, in the year of our Lord One Thousand Nine Hundred and Ninety-nine and of the State the One Hundred Thirty-sixth.

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

Handwritten signatures: Ed Beckley, Frank H. Nuddy, and others.