



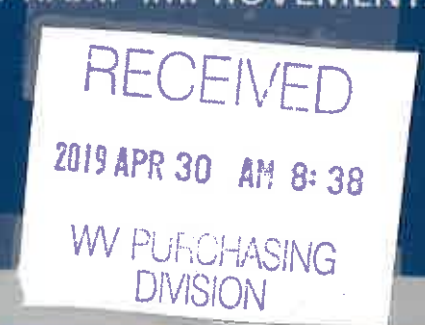
EXPRESSION OF INTEREST

Prepared for: WEST VIRGINIA DIVISION OF NATURAL RESOURCES

A/E SERVICES FOR SOUTH CHARLESTON BOAT RAMP IMPROVEMENTS
South Charleston, West Virginia

RFP No. CE01 0310 DNR1900000009

Due Date: April 30, 2019



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

Project Number: 0101-19-0171

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EXECUTIVE SUMMARY

Potesta & Associates, Inc. (POTESTA) is pleased with the opportunity to provide engineering services to West Virginia Division of Natural Resources (WVDNR) for the design and construction of improvements to a boating access site located in the City of South Charleston under the Interstate 64 bridges on property owned by the City and the West Virginia Department of Transportation. The project will include all the necessary permitting. Our commitment is to provide quality service, rapid response and project completion, and to exceed your expectations for services performed under this project.

With boating and the rise of kayaking in West Virginia, the demand for river access has become a need of the public. POTESTA understands that this project must meet the constraints of a specified budget and at the same time conform to WVDNR's vision, objectives, and applicable codes (such as ADA compliant pedestrian access). POTESTA will provide permitting services for all required permits in the design and construction of the new boat ramp and improvements to the existing boat ramp.

POTESTA will give this project priority status and will communicate effectively to meet deadlines during the project. Personnel from our Charleston office will be utilized for this project which will allow rapid response and minimal travel time to the project site and the agency.

For over two decades, POTESTA has designed engineering and environmental solutions to help clients navigate through the challenges associated with this type of project. Approximately 80% of our business is from returning clients with a high level of satisfaction. POTESTA's team not only includes experienced design professionals, but it also includes staff that has served as members of the West Virginia Infrastructure and Jobs Development Council (WVIJDC) and understand what it takes to successfully take a project through both the technical and financial review components and obtain acceptable funding recommendations. We have in-house capabilities to provide the design, permitting, surveying, drafting, preparation of bid documents and construction administration/observation. Our knowledge of the regulatory process helps to reduce waiting time and get projects completed sooner.

POTESTA engineers and environmental scientists have successfully participated in numerous river projects including design and construction management for a **new public boat ramp and river access area in the Town of Granville, on the Monongahela River**. 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. Services included:

- Surveying
- Coordination and Consulting with Various Agencies
- Civil Site Design and Construction Documents
- Construction Observation/Administration

POTESTA is proud to be involved with local community projects of all sizes. Our employees are active in the community and take pride in developing safe access to and protection of the natural resources of West Virginia. We look forward to serving the West Virginia Department of Natural Resources and working together to improve the Kanawha River boat ramp in South Charleston, West Virginia.



Additional information can be found on our corporate website: www.potesta.com



Monongahela River – Project Site Before Construction



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CORPORATE PROFILE



HISTORY

POTESTA was founded in 1997 as a full service engineering and environmental consulting firm headquartered in Charleston, West Virginia. Our diverse staff includes 79 experienced engineers, scientists, and support personnel with branch offices in Morgantown, West Virginia, and Winchester, Virginia. Our clients include local, state and federal agencies; mining, manufacturing and chemical companies; utility companies; waste management companies; K-12 schools/colleges/universities; land developers; attorneys; financial institutions; insurance companies; construction companies; and architects.



SERVICES

- Air Permitting
- Biological and Toxicological
- CADD/GIS
- Civil Engineering and Design
- Construction Monitoring
- Environmental Site Assessment
- Geotechnical Engineering
- Groundwater
- Hydrology and Hydraulics
- Landfills and Solid Waste
- Litigation Support
- Mining
- Occupational Safety and Health
- Oil and Natural Gas Consulting
- Permitting
- Remediation
- Roadway Engineering
- Sampling
- Site Design
- Storage Tanks
- Surveying and Mapping
- Water and Wastewater
- Water Quality
- Wetlands

LEADERSHIP

Our firm is managed by two principals driving POTESTA forward with their experience and emphasis on exceeding expectations. Ronald R. Potesta, President, has served as the Director and Deputy Director of West Virginia's Department of Natural Resources (WVDNR). The agency at that time encompassed state environmental regulatory programs, wildlife management and law enforcement. Dana L. Burns, P.E., Vice President of Engineering, has more than 39 years' experience with civil, geotechnical, mining and environmental engineering projects. Mr. Burns, P.S., P.E., has managed numerous multi-discipline projects and understands the importance of client communication and the internal coordination of various disciplines on a project. The public service and experience of our principals has provided POTESTA with personal relationships with many of the regulatory staff members and in-depth program knowledge of West Virginia and surrounding states regulatory programs. POTESTA builds our contact base, stays informed on current issues, and strengthens relationships with the regulatory community by contributing and serving on various boards and commissions.

POTESTA's staff is committed to delivering innovative, cost-effective solutions to meet our clients' complex requirements. The firm's environmental department consists of biologists, geologists, chemists, environmental scientists and environmental engineers, many with advanced degrees (Masters and Ph.D. level). POTESTA's engineering department includes civil, geological, geotechnical, environmental, mining and mechanical engineers. Our registered professional engineers have over 300 years of experience among them and are supported by a capable team of engineers, designers, and surveyors. Our survey crews have over 150 years of experience among them.



Ronald R. Potesta



Dana L. Burns, P.E., P.S.



Additional information can be found on our corporate website: www.potesta.com



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PROFESSIONAL DISCIPLINES



CIVIL ENGINEERING

Civil engineering is an area of particular expertise and experience at POTESTA. Our engineering staff has a broad background related to the vast field of civil engineering. Civil engineering disciplines such as geotechnical engineering, civil/site design, surveying/GIS mapping, permitting, and water and wastewater engineering are all areas of particular expertise at POTESTA. Our diverse staff of engineers, geologists, and scientists are routinely involved in these types of projects and work to support the project teams assigned to these projects on a daily basis to achieve a completed project that meets the client's expectations.

Once a project has been determined feasible through the preliminary planning stages, POTESTA's design professionals work to complete preliminary and final design plans. Frequent communication is made with the client and other design professionals to review the completed activities and obtain input for the design process.

The following design services are routinely completed for clients at POTESTA:

- Site Development Grading and Drainage Plans
- Storm water Management Plans
- Erosion and Sediment Control Plans
- Hydraulic Structure Design
- Earth Retaining Structures
- Stream Restoration
- Earthwork Optimization (Balance Cut/Fill While Optimizing Developable Property)
- Dam/Impoundment Design, Inspection and Recommendations
- Utility Relocation
- Site Reclamation
- Roadway, Parking Field Layout and Design



During the construction process, POTESTA routinely provides professional services throughout the construction of our client's projects. These services often include survey layout, construction management, construction monitoring, record drawings preparation and project closeout.

PERMITTING

POTESTA's staff typically work with both private and public sector clients on a diverse variety of projects related to the environmental engineering disciplines and are current with both the state and federal regulatory requirements for remedial investigation and activities. We readily work with the United States Environmental Protection Agency, as well as state environmental agencies for the Mid-Atlantic states, such as the Virginia and West Virginia Departments of Environmental Protection.

POTESTA has successfully completed multiple projects that required West Virginia Public Lands Corporations (PCL) permits, Dam Safety permits, construction stormwater permits in addition to WVDEP 401 water quality certification, and wetland permits issued by The U.S Army Corps of Engineers (COE) under Section 404 of the Clean Water Act.

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PROFESSIONAL DISCIPLINES



PERMITTING (CONT.)

Air, water, and waste permitting are also areas of environmental engineering with which POTESTA has a broad background. Many of our developer and contractor clients contract with us to prepare construction storm water permits for development sites which are one acre or larger.

Services for environmental permits that may be required include:

- Storm Water Management Permit/Erosion and Sediment Control Plans
- MS4 Permitting
- U.S. Army Corps of Engineers Section 404 Permits
- WVDEP Section 401 Water Quality Certification
- Wetland Delineation and Permits
- National Pollutant Discharge Elimination System (NPDES) Permits
- Floodplain Management Permits
- Groundwater Protection Plans
- Environmental Site Assessments
- Environmental Impact Statements



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PROFESSIONAL DISCIPLINES



CONSTRUCTION MONITORING

POTESTA provides construction monitoring and construction management services to assist clients in achieving regulatory and contractual compliance, to document that contractor activities are in compliance with design requirements, and to serve as an extension of our clients' staff. POTESTA can provide full-time or part-time field services utilizing one or more engineers or technicians.

Regulatory compliance is often best documented by providing full-time construction monitoring services for a construction project. POTESTA can assist clients in observation of construction



During construction, POTESTA can provide staff who are familiar with and have experience working on similar projects. We routinely provide resident project representatives (RPRs) during construction to serve as the "eyes and ears" on behalf of the Owner to document the progress of the Contractor, observe and document the construction activities and prepare "As-Built" drawings. Copies of the Daily Field Reports as well as both hard copy and digital copies of the "As-Built" drawings will be provided to the Owner once construction is completed. POTESTA will also assist WVDNR with the bidding of the project, review of the bids, review of pay applications and requests by the Contractor such as change order requests and requests to substitute equivalent products.

Our typical involvement in such projects includes:

- Conducting a pre-construction review of design and contract documents to identify potential problem areas, and consultation with the owner or client to develop strategies or procedures to avoid possible problems.
- Assistance in contractor selection. POTESTA can recommend construction contractors who specialize in the type of work associated with the project and can assist in bid evaluation by reviewing proposed quantities, unit costs, lump sum costs, and any proposed exceptions or qualifiers for the project. POTESTA can conduct pre-bid conferences to help contractors understand project requirements. We can also conduct pre-construction conferences prior to the start of the project to help establish lines of communication, review detailed plans, discuss testing requirements and establish proper reporting procedures.
- POTESTA can provide surveying for construction layout, measurement for payment quantities, and documentation of as-built conditions. Survey results are downloaded to create computer-aided drafting (CAD) drawings allowing the efficient preparation of record drawings and any subsequent evaluations required.
- Construction monitoring can include field testing to document compliance such as field compaction density tests, concrete testing, sampling of materials for laboratory analysis, and documentation of site conditions and work performed on a daily basis or as required.
- Preparation of summary of construction reports, including photographs, video documentation, test results, daily construction logs, industrial hygiene monitoring, and other documentation as may be required by the client.
- Preparation of certifications as may be required.



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PROJECT APPROACH



POTESTA's plan for developing a design can be broken down into the following stages:

- Conceptual Design and Feasibility
- Design Development
- Bid Documents
- Construction

Conceptual Design and Feasibility—During this stage we will work with DNR to establish options for several conceptual designs, as there will likely be various potential configurations for the improved boat ramps and parking areas. POTESTA anticipates completing a topographic survey of existing conditions to develop site mapping (or utilize existing mapping), as well as conduct a site visit and a preliminary geotechnical investigation (or utilize previous geotechnical information) to perform the conceptual designs. A project “kick-off” meeting with the DNR at the project site will initiate this stage.

After working with DNR to develop the options for improvements, POTESTA will prepare a summary report that describes each conceptual design, lists the relative advantages and disadvantages, and provides preliminary estimates of probable construction costs for each option.

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. Based on POTESTA's summary report of the conceptual design options, DNR can provide comments and select the preferred option before proceeding to the next stage of design development.

Design Development—During this stage of design, POTESTA will begin to develop detailed drawings for the design. Typically, items such as parking layout, pedestrian access, boat ramp, lighting, signing, boat dock, preliminary site grading, and miscellaneous construction details are developed.

Based on the conceptual design and DNR's previous input, POTESTA will provide DNR with a design development drawing submittal that will include preliminary drawings including a site layout, grading plan, roadway and boat ramp profiles, site cross section(s), storm water management plan, erosion and sediment control plan, and miscellaneous details. Along with the preliminary drawing package, POTESTA will refine the estimate of construction costs and work with DNR to make necessary material/layout changes to allow for the design to stay within the project budget.

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). During this stage, POTESTA will prepare the required permit applications to allow for adequate review and comment periods before construction. Once DNR has reviewed the design development submittal and provided comments, POTESTA will prepare to move to the next stage of the design, Bid Documents.

Bid Documents—Following the design development stage, POTESTA will work to complete the drawings to “bid-level” detail. DNR 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.

Once the permit applications that were submitted in the previous stage have been approved and the drawing set is finalized, POTESTA will assemble a bid package and provide to the DNR for review prior to the advertisement for bid.

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PROJECT APPROACH



Once DNR 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 DNR in evaluating the bids throughout the bidding process.

Construction—POTESTA also offers construction administration and monitoring services that will allow construction to progress smoothly. We have found that facilitating communication between the owner, contractor, and engineer during construction helps lead to quick resolution of issues that can arise during the construction phase. POTESTA can provide quality assurance testing (e.g. soil compaction, concrete, asphalt), construction observation, as well as review of pay applications and shop-drawings to ensure that products and materials conform to the design and that the specified material standards are met.

As the design process follows the steps outlined above, POTESTA will emphasize regular communication with the DNR to ensure that expectations are being met, the project timeline is being maintained, and the project budget remains intact. We believe that through regular communication with DNR, we can exceed the project expectations and provide a cost-effective design solution for the South Charleston Boat Ramp Project.



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SIMILAR EXPERIENCE



POTESTA's experienced engineers, scientists, and technical professionals have successfully completed many river, lake, and reservoir projects and know that each pose unique challenges. We believe the combination of our approach and our experience makes us the most qualified group for this project.

ENGINEERING DESIGN EXPERIENCE

Quality is extremely important to POTESTA. We have won six "Gold Award in the American Council of Engineering Companies – West Virginia Section" engineering excellence awards competition and approximately 80 percent of our work is from repeat clients; we believe this attests to our commitment for a quality project.

POTESTA takes prides in our ability to provide our clients with innovative and concise engineering design packages that will allow more of the client's money to be spent on actual construction rather than engineering design fees. POTESTA has the ability to complete every facet of the project from beginning to end, from the preliminary study through final design and construction observation/management. Frequent communication will be made with the WVDNR and other design professionals to review the completed activities and obtain input for the design process.

FEDERAL AND STATE FUNDING PROGRAM EXPERIENCE

Funding public projects in West Virginia can sometimes be complex and grueling, especially for entities unfamiliar with the process. Approval from the West Virginia Infrastructure and Jobs Development Council (Infrastructure Council), considered the clearing house for public water and sewer project funding, is required for all state funded projects. Most federally funded sewer and water projects also tend to require the Infrastructure Council approval either due to their project funding partnering with state funding or because of informal agreements with the Infrastructure Council so that there is consistency between all funding agencies.

POTESTA's staff has unique and important experience with funding in West Virginia. POTESTA's staff is highly experienced with federal, state and local funding programs and their requirements. We have worked on water supply, sewer, highway, nontraditional transportation (sidewalks, trails, etc.) and other projects funded by state and federal agencies. Our staff is particularly experienced in projects funded by United States Department of Housing and Urban Development (HUD, i.e., Small Cities Block Grants), United States Department of Agriculture, Rural Utility Services (RUS), United States Office of Surface Mining (OSM), administered by the West Virginia Department of Environmental Protection Abandoned Mine Lands (AML), congressional offices, West Virginia Infrastructure and Jobs Development Council (WVIJDC), Drinking Water Treatment Revolving Fund (DWTRF), ARC, West Virginia Development Office, and the United States Department of Commerce - Economic Development Administration. POTESTA understands funding agency requirements and has developed relationships with administrators of funding agencies that allow for projects to proceed smoothly while agency criteria are met.

PERMITTING EXPERIENCE

POTESTA was formed by Ronald Potesta, who headed the West Virginia Department of Natural Resources which, at one point, included the current Department of Environmental Protection and Water Resources regulatory programs. Environmental permitting is POTESTA's forte. POTESTA can assist in all phases of the permitting process and funding, including application preparation, negotiations, modifications, compliance, and renewal. Our personnel are familiar with both state and federal permitting strategies and can provide capable guidance for appropriate and applicable regulatory approvals/permits for a project. Our personnel are experienced in permit writing and will work closely with agency staff to ensure that the permit meets both regulatory requirements and the needs of the WVDNR.

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SIMILAR EXPERIENCE



BIDDING/CONSTRUCTION ADMINISTRATION EXPERIENCE

POTESTA takes pride in our ability to provide clients with innovative and concise engineering design packages that will allow more of your money to be spent on actual construction rather than engineering design fees.

POTESTA maintains a database with bid results from recent construction projects. This information allows our designers to develop accurate estimates of probable construction costs based on recent bids from local contractors. We pride ourselves on the accuracy of our cost estimates to be within an acceptable range of actual bid results obtained for projects. POTESTA also has an excellent working relationship with many manufacturers and suppliers that will assist with design specifications and cost estimates.

During construction, POTESTA can provide staff that is familiar with and have experience working on similar projects. We routinely provide resident project representatives (RPRs) during construction to serve as the "eyes and ears" on behalf of the Owner to document the progress of the Contractor, observe and document the construction activities, and prepare record drawings. Copies of the Daily Field Reports as well as both hard copy and digital copies of the record drawings will be provided to the Owner once construction is completed. POTESTA will also assist the WVDNR with the bidding of the project, review of the bids, review of pay applications, and requests by the Contractor such as change order requests and requests to substitute equivalent products.



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RELATED PROJECTS



Client	Type of Project	Project Goals and Objectives
Town of Granville Monongalia County, WV	Boat Ramp	Provided civil engineering design services for a new public boat ramp and river access area including a paved access roadway and turnaround area, providing public access to the Monongahela River in downtown Granville. The project also included a non-potable dry hydrant assembly for filling fire trucks and municipal equipment.
Paradigm Architecture Monongalia County, WV	Waterfront Marina	Subsurface exploration, coordination of laboratory testing, and preparation of a geotechnical report. POTESTA subcontracted drilling of three borings from a barge along with several locations along the riverbank. Provided foundation recommendations 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.
Client Confidential Lewis, Harrison, and Marion Counties, WV	West Fork River	Assess the water quality and determine potential sources of impairment in a 73-mile reach of the West Fork River.
Client Confidential Putnam/Kanawha Counties, WV	Kanawha River Surface Water and Sediment Sampling Work Plan	Surface water and sediment sampling plan for sections of the Kanawha River bordering the chemical production facility. The work plan was developed and included a detailed narrative relating the sampling methodologies, analytes, equipment quality assurance/quality control (QA/QC) measures, and a health and safety plan. During both of the sampling visits, river depth measurements were collected in addition to the collection both temperature and conductivity profiles. These were conducted in an attempt to identify potential groundwater discharge zones along the riverbank.
Paradigm Architecture/University Place, LLC/WVU Monongalia County, WV	University Place Parking Garage	Provided surveying, grading plan, storm water collection system, utility extension/connection, permitting and coordination services, technical specifications, construction administration, and construction observation services for a six-story parking garage with 390 parking spaces.
Solutia, Inc. Nitro, WV	Kanawha River Stabilization	Completed analysis of alternatives, engineering design, and obtained regulatory approvals necessary for the stabilization of approximately 2,500 feet of the east bank of the Kanawha River along a portion of the Solutia, Inc. Nitro property just upstream of the I-64 Nitro Bridge. This project included extensive measures and requirements to limit impacts to the Kanawha River, including a floating, movable turbidity curtain, super silt fence, and limitations on the amount of disturbance ahead of the riprap blanket.
Dominion Resources Services, Inc. Mount Storm, WV	Mount Storm Lake	Developed 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, marina, enlarged boat launch and parking, a fishing deck, and 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.

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PROPOSED STAFFING PLAN



PRINCIPAL-IN-CHARGE
Dana Burns, P.E., P.S.

PROJECT MANAGER
Mark Kiser, P.E., L.R.S.

DESIGN STAFF

Mark Sankoff, P.E., P.S.
Terence Moran, P.E.
Robert Ammirato, P.E.
Jarrett Smith, P.E.
Jordan Beard
Angela Pugh, P.E.
Patrick Taylor, P.E.
Chad Griffith, P.E.
Everett Mulkeen, P.E.

SOILS/GEOTECHNICAL

Christopher Grose, L.R.S.
Peter Potesta
David Sharp, P.E.
Dennis Litwinowicz
Jeremi Stawovy, E.I.T.

SURVEYING

Victor Dawson, P.S.
E. Brad Starkey
Greg Hodges
Rusty Hunter
Charles Shaffer
Ryan Bennett
Tyler Aboytes

**CONSTRUCTION
MONITORING**

Robert Lamm
Michael Whitman
Bill Cox
Russ Harper
Carl Hickman
Paul Kinzer
Chuck Bird

Services will be performed at POTESTA's Charleston, West Virginia office. We stand ready to commit the personnel and resources required to complete this project in a timely, technically sound, and cost-efficient manner. POTESTA's large staff size will allow us to work on this project on an accelerated schedule if necessary.



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STAFF QUALIFICATIONS



We will make sure this project receives priority and that regular communication and project updates are provided to the DNR to allow for a project that both moves quickly and stays under budget. We know that communication is the key to successful projects like this one. Our key personnel will remain in close contact with DNR personnel throughout the entire project.

Appendix A includes resumes of proposed key personnel.

Mr. Dana L. Burns, P.E., Vice President, will serve as principal-in-charge for this project. As such, he will direct POTESA's staff, answer questions, address problems encountered and review the project budget. Mr. Burns has over 39 years of experience with civil and environmental engineering projects. He has managed hundreds of projects requiring the preparation of construction drawings and technical specifications and participation in the pre-bid and pre-construction conferences. In addition to providing technical guidance throughout the project, Mr. Burns will be responsible for maintaining the schedule and budget for the project.

Mr. D. Mark Kiser, P.E., Chief Engineer, will serve as project manager for this project. Mr. Kiser has over 35 years of experience in civil engineering, with particular emphasis on design and construction administration. He is experienced with completion of right-of-way plans and descriptions, roadway plans, slope designs, drainage calculations, utility coordination, and quantities. He has served clients on many water and wastewater projects, successfully managing various recent projects with a combined contract value in the millions of dollars.

Mr. Christopher A. Grose, L.R.S., Senior Engineering Associate, has over 29 years of experience in geotechnical and geological projects. Mr. Grose's experience includes subsurface exploration and geologic study of planned new roadway alignments, as well as development of final design drawings for roadway construction. Recently completed projects included coordination of the designs with local planning/educational officials, as well as regular progress and planning meetings with state and local WVDOH officials.

Mr. Terence C. Moran, P.E., Senior Engineer, will serve as Project Manager and has over 31 years of experience on civil engineering projects, with particular emphasis on water/wastewater projects. Mr. Moran has served as the project manager/project engineer for 100+ water supply projects, including preliminary engineering, environmental assessments, funding applications, hydraulic analysis, booster and storage tank design, line sizing, design of treatment systems, drawings, specifications, cost estimates, bid documents, shop drawing review, construction management and construction observation. Mr. Moran has designed or served as the project manager for evaluation of water treatment plants and water systems to identify deficiencies; design of water line extensions; design of booster stations; evaluation of replacement of controls for water storage tanks including installation of telemetry; and construction of replacement (upgraded) water lines. He has served as project manager for water supply projects in more than 20 counties in West Virginia.

Mr. Mark A. Sankoff, P.E., Chief Engineer, has over 36 years of experience on civil engineering projects, with particular emphasis on water projects. As the past Director of Engineering at West Virginia American Water, he served as project manager for numerous water projects, including the Kanawha County 2000 Water Project, installing over 100 miles of water main, six tanks and six boosters serving over 1,700 families. He has served as project manager for the EPA Initial Distribution System Evaluation (IDSE) computer modeling to study water age for the two largest systems in West Virginia with over 2,000 miles of distribution piping. Mr. Sankoff has designed or served as the project manager for the evaluation of water systems to identify deficiencies including evaluating and implementing the most cost-effective solution and has designed multiple water line replacement projects and water line extensions. He brings nine years experience in the operation and maintenance of the largest distribution system in West Virginia which has well over 100 different pressure gradients. Mr. Sankoff has extensive experience on multiple water projects, including preliminary engineering, comprehensive planning studies, funding applications, hydraulic analysis, booster

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STAFF QUALIFICATIONS

station and storage tank design and rehabilitation, telemetry, line sizing, drawings, specifications, cost estimates, bid documents, shop drawings review, construction management and construction observations.

Mr. Patrick A. Taylor, P.E., Senior Engineer, will serve as the planning and funding liaison for the project, as needed. Mr. Taylor has substantial experience with state regulatory and funding programs, as well as technical capabilities.

Some of this experience includes:

- West Virginia Bureau for Public Health (WVBPH) Permitting Program: Directed review and issuance of public water and wastewater, public swimming pool, agricultural waste construction permits and water vending machine permits.
- WVBPH Capacity Development Program: Directed, assessed, reported on, and provided assistance on the technical, financial and management capabilities of public waters systems. Responsible for the oversight of program adherence to capacity development strategy, Governor's report, and annual reports to the EPA.
- WVBPH Drinking Water Treatment Revolving Fund and State Tribal Assistance Grant Programs: Directed overseeing loan and grant administration including technical and financial review; project selection; coordination with appropriate federal and state agencies (environmental and funding) and public water systems; coordination of bid advertising, loan closing, construction administration (processing of invoices, change orders, etc.); and water system adherence to loan conditions. Program responsible for preparation of program grant applications and reporting to EPA including: annual reports, disadvantaged business enterprise reports, and intended use plans. Program responsible for oversight of 2 percent technical assistance grant with the West Virginia Rural Water Association which provides continuing education to water treatment plant operators and oversight of the 4 percent administrative set-aside to Water Development Authority in financial management of the Drinking Water Treatment Revolving Fund.
- West Virginia Infrastructure and Jobs Development Council: Former sitting member on the Infrastructure Council. Oversight of water technical review committee for infrastructure water projects and member of sewer committee, and sitting member of the funding committee. Oversight of technical assistance/review for infrastructure water projects and wastewater preliminary applications; representing Bureau for Public Health in committee and council meetings.
- Private Practice Consulting: Management and design of multiple water line projects including clients such as the Webster County Commission, Town of Glenville, Lincoln County PSD, Logan County PSD, City of Kenova, Birch River PSD, and Town of Kermit. Water line projects included varied line sizes, tanks, pump stations, and pressure-reducing valves.

POTESTA's staff of 79 will allow us to assemble an experienced project team and complete this project in a timely and efficient manner.

Staff Certifications are included in **Appendix B**.

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MANAGEMENT PLAN

PROCEDURE FOR COMMUNICATION WITH OWNER

Mr. Dana Burns, P.E., as POTESTA's principal-in-charge he will be responsible for contract management (administration) and shall coordinate and direct all aspects of the project. Day-to-day project activities for this project will be performed under the direction of our project manager, Mark Kiser, P.E., L.R.S. **Mr. Kiser, P.E., L.R.S., will be the point of contact to allow clear communication with the WVDNR.** A written proposal, including a detailed scope of services and an associated manhour and cost estimate, will then be prepared and submitted to WVDNR for review. The project manager will review the proposal with the WVDNR, including a task-by-task discussion of work items and the related costs. Upon the WVDNR's approval of the proposal, the project manager will arrange for the start of project activities. The principal-in-charge will provide the project manager the required staff necessary to complete the project activities, will review the project budget and schedule during performance of the project, and will provide a final QA/QC review of the documents prior to submittal to the WVDNR. The project manager will develop a detailed step-by-step project work plan so that the project activities are completed in a correct manner, within budget, and on time. POTESTA will be available to conduct weekly status reports which may include weekly meetings, memos, or telephone calls with the WVDNR's project manager as required.

REQUIRED DOCUMENTS

Appendix C contains Interested Party Disclosure, CEOI 0310 DNR1900000009 Solicitation Form, Certification and Signature Page, Purchasing Affidavit, Addendum Acknowledgement Form, and Certificate of Insurance.

PROJECT BUDGET CONTROL

The project manager will be responsible for monitoring the project budget and keeping the WVDNR and principal-in-charge informed of its status. The project manager will develop a work plan based on hourly rates and tasks to complete the project. POTESTA's staff enters time into POTESTA's InFocus accounting system on a daily and/or weekly basis. POTESTA's project manager can access InFocus at any time, thus allowing a real-time control of project costs.

PROJECT SCHEDULE CONTROL

Direct responsibility for schedule control lies with the project manager. Initially, the project manager will review schedule requirements to see how they can be achieved given the anticipated scope of work and develop a work plan. As the project progresses, the project manager will monitor progress and compare it with the established schedule on a weekly basis keeping the principal-in-charge aware of the schedule's status. In this manner, the principal-in-charge can make staff adjustments to allow the project manager to maintain the project schedule. If circumstances develop that could impact the project schedule, the project manager will contact the WVDNR's project manager to develop a mutually acceptable adjustment to the schedule and/or work plan.

EXPRESSION OF INTEREST



REFERENCES

TOWN OF GRANVILLE

Mr. Ron Snyder
Municipal Administrator
Phone: (304) 599-5080
rsnyder@townofgranvillewv.gov

SOLUTIA, INC.

Mr. Mike House
Manager, Remedial Projects
Phone: (314) 374-6717
mlhous1@eastman.com

CITY OF SOUTH CHARLESTON

Mr. Steve Debarr
General Manager
Phone: (304) 768-4140
stevedebarr@msn.com





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, design, and permitting of industrial and municipal waste disposal sites; reclamation of abandoned mine lands; and development of 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 management of technical and support staff.

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 for the civil/site design for the new Sissonville Middle School in Kanawha County, West Virginia. Project included 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. Project included utility designs for water service and sanitary and sewer. Stormwater collection systems and erosion and sediment control plan/permit completed.

Principal-in-Charge for civil/site design for new Riverview High School and Bradshaw Elementary School in McDowell County, West Virginia. 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. Project design included site survey, geotechnical exploration, foundation recommendations, design of excavation slopes, layout of schools, parking areas and athletic fields, utility design, roadway relocations plans, and stream relocations plans. Responsible for the design and preparation of contract bid documents (specifications and drawings) for civil/site work. POTESTA served as a subconsultant to ZMM on this project.

Principal-in-Charge for civil/site design and permitting associated with the construction of three synthetic fuel pellet plants in McDowell County, Nicholas County, and Kanawha County, West Virginia. 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. 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 product.

- 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 of product 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 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 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.

Water Lines, Water Storage Tanks, and Water Treatment Plants

New extensions and replacement of existing lines:

- Cassity Fork Water Supply Extension Project – Randolph County, WV (Project Manager)
- Godby Branch Water Supply Extension Project – Logan County, WV (Project Manager)
- Beaver Creek Water Supply Extension – Upshur County, WV (Project Manager)

Geotechnical

Subsurface exploration, evaluation, and design of remedial measure for landslides:

- Soldier beam and lagging retaining walls
- Gabion walls
- Grade/drain/compact in-place
- Geo-grid reinforcement with grade/drain/compact in-place

Plasma Processing Corporation – Management of subsurface exploration and preparation of soils report near Ravenswood, West Virginia.

West Virginia University – Principal-in-Charge for the following projects:

- WVU Intermodal Parking Garage on the Medical Center Campus – geotechnical and civil engineering
- WVU Engineering Building – geotechnical evaluation

Principal-in-Charge for Williamson Landslide Project involving an abandoned mine land site. Geotechnical exploration and design of 480-foot long soldier beam and lagging retaining wall with tiebacks to support loose mine spoil backfill along the edge of a previously mined area with steep terrain. Project was required to protect an existing 125-bed nursing home facility.

Roadway Design

Principal-in-Charge for design of new entrance roadway to the University of Charleston and the utility extension, surveying, and general civil engineering for a 440-bed dormitory. Project was a design/build.

West Virginia Divisions of Highways – Inspection of bridge and highway construction.

Managed numerous industrial access roads. Roadways were designed for the private sector. Design was coordinated with and approved by the West Virginia Division of Highways and roadways were accepted into the state transportation system.

- ZMM Architects – Relocation of State Route 80 for construction of new elementary and high schools at Bradshaw in McDowell County, WV

- Jackson County Development Authority and Double C Enterprises – Industrial park access road and County Route upgrade in Kenna, WV
- Roane County Economic Development Authority – National Industrial Lumber access road in Amma, WV
- Tucker County Development Authority – Tucker County Industrial Park access road in Davis, WV
- Wood County Development Authority – Luigino's access road in Parkersburg, WV
- University of Charleston – Design of new entrance road to University of Charleston and redesign of MacCorkle Avenue (State Route 61) intersection/turn lanes in Charleston, WV
- N-Visions Architects – Entrance road, bus loop, and emergency exit roadway for new Sissonville Middle School in Sissonville, WV
- Entrance road and bus loop for Trap Hill Middle School in Raleigh County, WV

WV Division of Highways – Managed environmental permitting, surveying, and design of four-lane 1.25-mile North Bridgeport Connector Road from Interstate 79 Jerry Dove Interchange to Benedum Airport in Bridgeport, West Virginia.

WV Division of Highways under open-end agreements for:

- Landslides and slope stability projects
- Surveying
- Asbestos services

WV Division of Highways – Managed geotechnical, environmental, right-of-way, and survey work performed as a subconsultant for various projects:

- King Coal Highway (section near Pineville, WV)
- Sharon Heights Connector
- Eldora and Enterprise Connector
- Dundon Bridge
- Martha Truss Bridge
- Martha Concrete Girder Bridge
- Upgrade of three bridges on Interstate 81
- Corridor H (section near Kerns, WV)
- Corridor D (section near Washington, WV)

D. MARK KISER, P.E., L.R.S.
Chief Engineer, Licensed Remediation Specialist



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 and capping/closure systems, abandoned mine land reclamation projects, sludge stabilization and basin/pond closure projects, environmental permitting, hydrologic and hydraulic analyses, 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 including balanced cut and fill for the building pad, parking fields, and access roads.
- Stormwater collection system design including curb inlets, catch basins, and culverts.
- Pavement design.
- Utility extension designs including sanitary sewer, potable water, fire service, natural gas, underground electric, 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.

Fieldcrest Subdivision – Project manager/engineer for development of a nine-lot subdivision in Charleston, West Virginia. Design and permitting/regulatory approvals for infrastructure, including new street, sanitary sewer main, water main, 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 development of an eleven-lot subdivision in Charleston, West Virginia. Design and permitting/regulatory approvals for infrastructure, including new street, sanitary sewer main, water main, natural gas service, stormwater, electric, telephone, and

of sediment control devices, preparation of stormwater general permit application, and consulting for numerous construction projects in West Virginia.

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

Expert 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 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 as to 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 involving the disturbance of the ground surface.

Water Lines, Water Storage Tanks, and Water Treatment Plants

WVDEP-AML – Detailed design and preparation of construction drawings, specifications, contractor's bid sheet, and engineer's cost estimate for six-mile water line extension including fire protection. Included in project were 90,000-gallon water tank, booster station, and pressure relief valves. Extension tied into Norton Harding Jimtown PSD System and served town of Cassity in Randolph County.

Design for waterline extension projects including preparation of construction drawings, specifications, and engineer's cost estimates for the West Virginia Division of Environmental Protection, Office of Abandoned Mine Lands and Reclamation.

- Cassity Fork Waterline
- Beaver Creek Waterline Extension
- Godby Branch Waterline Extension

Design, preparation of construction drawings, preparation of permit applications, and other related activities for the construction of waterline projects. Line sizes ranged from 16 inches to 2 inches. Materials of construction included polyvinyl chloride and ductile iron pipe. Drawings included planimetric maps, topographic maps, and aerial photograph formats to depict proposed construction. Permit applications included Bureau of Public Health, Public lands Corporation Stream Activity Permits, Division of Highways Occupancy Permits, and General Storm Water NPDES Construction.

- Cabell County 2000 Project, 23 miles of new waterline construction, West Virginia American Water Company (WVAWC)
- Poca River Road Waterline Extension, 13 miles of new waterline construction, WVAWC
- Route 60 Contract 3 Waterline Extension, 3 miles of new waterline construction, WVAWC
- Buff Creek/Trace Fork Waterline Extension, 6 miles of new waterline construction, WVAWC
- Route 60 Contract 4 Waterline Extension, 2 miles of new waterline construction, WVAWC
- Yorktowne Subdivision, 3,000 linear feet of waterline serving a 50-lot subdivision.

ESAs (Phase I and II)

Numerous Phase I Environmental Site Assessments including reclamation liability assessments for mining and industrial properties in West Virginia and Kentucky. Projects typically focused on solid waste disposal practices, potential acid mine drainage discharges, underground storage tank status, areas of hydrocarbon soil contamination, PCB transformer concerns, and other environmental liabilities.

Phase II environmental site assessment for an abandoned mining complex located in Fayette County, West Virginia. The new owners wished to identify any liabilities and determine approximate clean-up costs for

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, design, and permitting of 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

Civil/Site Design

Civil/Site design included slope stability of both cut and fill slopes in soil and rock for various well production pads in northeastern West Virginia associated with natural gas production in the Marcellus well field. Work consisted of the management of a design engineering team including ground survey crews to development site topographic base mapping, coordination with client regarding land ownership, access roadway alignments, site drainage control, and number/location of production wells. Additional work also included gathering and midstream transmission pipeline locations. The scope of services for these projects also included the preparation of permit documents and attachments for submittal to the WV Department of Environmental Protection-Office of Oil and Gas.

- Stone Energy Corporation
 - Higgins East pad and road
 - Higgins West pad and road
 - Conley Well pad, road, and access bridge
 - Mills-Wetzel No. 3 pad and road
 - Hunter/Pethel well pad
 - Talkington-nice pad and road
 - Bowyers well pad and road
- Viking Oil & Gas
 - United Disciples of Christ well pad

conjunction with the initial roadway construction. This coupled with the lack of maintenance and presence of deteriorated drainage culverts likely contributed to the slope failure. The initial installation of this fill material was determined through an extensive study of the historic topographic mapping of the area.

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

Travelers Insurance/City of Charleston – 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.

Stone Energy Pribble Tank – Work included the exploration and study of a failed soil/weathered rock slope which was loaded through the placement of fill near the top of the slope to provide adequate area for the construction of 2- 2,400,000-gallon water storage tanks in New Martinsville, West Virginia. Shortly following the installation of the tanks, a large section of the hillside failed leaving one of the tank foundation partially unsupported. Following the subsurface exploration and drilling work, a stabilization plan was developed which included the removal of the failed soil mass (>50,000 CY) followed by the replacement of compacted soil material behind a large toe key and buttress. The repair also included surface diversion drainage ditches and numerous bond benches along the underlying rock line which were fitted with under drains to collect subsurface seepage.

NiSource/Columbia Gas Pipeline Group SM-80 Loop Gas Transmission Line – Development of a subsurface exploration and drilling plan to determine the extent and depth of a soil and weathered rock slope failure which threatened the performance and stability of a 30-inch high

pressure natural gas transmission line in Kanawha County, West Virginia. The slide location was remote and situated along a steep hillside. The stabilization plan recommended the use of soil nail technology due to the remote location and rather inaccessible nature of the location. This repair and stabilization technique allowed for the in-situ repair of the failed slope without extensive excavation and backfill which was deemed difficult and would have required more land disturbance resulting in additional slope stability concerns.

EQT Rockport #7244 Natural Gas Storage Well Pad – Project involved the assessment and repair recommendations for a section of failed fill slope immediately below existing and active natural gas storage well near the community of Rockport in Jackson County, West Virginia. The failed slope was caused by improper surface drainage control along the pad and access road. The stabilization plan included the excavation and removal of the failed slope following “shut-in” of the storage well. The upper failure scarp was situated immediately adjacent the well head which was protected during the stabilization work. Following installation of a rock toe buttress and key way, the failed soil material was amended using lime to reduce the moisture content which was required to achieve the recommended in place density during placement and compaction. Following the regrading effort, the slope was trimmed and seeded followed by the grading a several diversion and collection ditched to control runoff from the upper portion of the hillside below the well pad.

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 as well as a 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 included the installation of a shot rock toe buttress which was installed 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 area.



EDUCATION

- M.S. Civil Engineering, 1989
West Virginia University
- B.S. Civil Engineering, 1987
West Virginia University

EMPLOYMENT HISTORY

- 1999-Present Potesta & Associates, Inc.
1989-1999 GAI Consultants
1987-1989 West Virginia University
1985-1987 West Virginia Division of Highways
(summers)

PROFESSIONAL REGISTRATION

Professional Engineer – West Virginia, Virginia

PROFESSIONAL CERTIFICATION

- Troxler Moisture-Density Gauge
- American Red Cross Standard First Aid and CPR
- OSHA 40-Hour Hazardous Waste Worker Training

AREAS OF SPECIALIZATION

Water and wastewater engineering and permitting; preparation of studies, design calculations, drawings, technical specifications, and cost estimates; bidding phase services; and construction phase services, including construction administration.

PROFESSIONAL EXPERIENCE

Water Lines, Water Storage Tanks, and Water Treatment Plants

Project Manager/Project Engineer for more than 70 water supply projects involving design and, permitting of water treatment facilities, water line extensions, water storage tanks, booster stations, chlorine boosters, pressure reducing valve stations, service connections and providing fire flow demands. Tasks include client/contract management; mapping development; hydraulic design; geotechnical investigations; preparation of drawings, specifications, and cost estimates; and preparation of Bureau of Public Health, Public Lands Corporation, United States Army Corps of Engineers, West Virginia Division of Highways, and NPDES permit applications.

- Projects funded by federal, state and private funding including small cities block grant, United States Department of Agriculture, Rural Economic Development Agency, Drinking Water Treatment Revolving Fund (DWTRF), West Virginia Infrastructure and Job Development Council, Congressional Supplemental Appropriations (SAP), Abandoned Mine lands, United States Army Corps of Engineers, Governor's office funding, county commissions and private funding.

West Virginia Bureau for Public Health (Region III and Region VI Planning and Redevelopment Councils) – Project Manager for 5 contracts for source water protection:

- Source water reports for 133 public water systems
- Preparation and presentation of state-wide source water awareness symposiums
- Source water assessment and protection plan reports for 68 public water systems
- Engineering study for contingency planning for public water systems

Town of Ceredo – Project Manager for 20,000 feet of water line replacement, water tanks, telemetry, and booster stations.

Boone County Public Service District – Project Manager for 15+ water supply extension projects in Boone County District from 2004 to present. Included were Preliminary

4,000 feet of 1-inch to 12-inch diameter pipe, fire hydrants, meters, and valves. Prepared construction drawings, specifications, and quantities.

Short Line Public Service District/Harrison County Planning Commission – Project Manager for feasibility/rates analysis study for the proposed Reynoldsville, Wallace, and Clarksburg Water Supply Extension Project. Included evaluation of six options at multiple loan/grant funding scenarios.

West Virginia American Water – Hydraulic analysis for water supply extensions (total of 23 miles) in Cabell County, West Virginia, including line sizing and design of booster station and PRVs.

West Virginia Division of Environmental Protection – Project Manager/Project Engineer for numerous conceptual waterline designs for 20 unserved areas (between 1991 and 2007) in coal mining areas in West Virginia. Included hydraulic evaluation, booster station, and water storage tanks sizing, waterline sizing, and estimation of construction cost. Work completed in Barbour, Boone, Brooke, Fayette, Harrison, Lincoln, Logan, McDowell, Putnam, and Randolph Counties.

West Virginia Division of Environmental Protection – Project Manager for design of booster station upgrade for the Clinton Water Association's Ringgold pump station, including preparation of drawings, specifications, and cost estimate.

West Virginia Department of Energy – Groundwater contamination study for drinking water wells near Cassity, Randolph County, West Virginia, including water supply inventory of over 50 residents, collecting and analyzing well and surface water samples, and researching records to determine the percentage of homes whose water supply had been degraded by acid mine drainage.

Public Utility General – Project Manager for construction administration including preconstruction meetings, shop drawing review, coordination with construction technician team(s), contractor pay application review, public record drawings, and public interface for 15+ water and wastewater utility and/or infrastructure projects including utility line extension and upgrades, construction and modifications of treatment facilities. Clients include municipalities, public service districts, industry, county development authorities and private utilities.

Construction included water and sewer lines, booster stations, tanks, lift stations, vacuum sewer stations, treatment basins, dewatering equipment, clarifiers, chemical fee systems, buildings associated with treatment systems, outfall modifications, and diffusers.

Mingo Logan Coal Company – Project Manager for design, building, and permitting services for potable water system at the new Mountain Laurel Mine in Logan County, West Virginia. Project includes booster station, water storage tank, and 10,000 feet of HDPE pipe.

Roadway Design

WVDEP and Logan County Public Service District – Project Manager for the design and layout of the relocated West Virginia County Route 12 (including approval from WVDOH) as part of the water treatment plant site of the Mill Creek Regional Water Supply Extension in Logan County, West Virginia. The design included roadway alignment (including vertical and horizontal curvature, right-of-way, and horizontal clearance with respect to structures), surface and subsurface drainage (including hydraulic calculations and channel and culvert sizing), fill embankment design, cut slope layout, and specifications for pavement, gravel, guardrail, drop inlets, and drainage structures. In addition, the project included compiling technical specifications including WVDOH standard specifications.

Martinka Coal Company – Project Manager for design of an access road associated with a new 3,700,000-gallon pond at a deep mine in northern West Virginia. Project included subsurface investigation, hydrology calculations, channel and culvert design, cut/fill balance, low water crossing design, embankment design, and selection of road surfacing material. Deliverables included specifications, including references to WVDOH specifications. USCOE and Public Lands Corporation permits were obtained.

S&S Grading, Inc. – Project Manager for design of an access road associated with a closure cap on an old landfill in Harrison County, West Virginia. Project included site grading, hydrology calculations, channel and culvert design, design of subsurface drains under the road, cut/fill balance, embankment design, and selection of road surfacing material. Deliverables included drawings and technical specifications, including references to WVDOH specifications. Roadway quantities were estimated.



PROFESSIONAL EXPERIENCE

Water Lines, Water Storage Tanks, and Water Treatment Plants

Confidential Coal Company – Onsite water management, reuse and disposal project; services included construction of 8,500 gallon per minute combination high pressure pump/pressure reducing station, controlling a 14 mile 26” HDPE pipe, an 8,500 gallon per minute pressure sustaining valve station, energy dissipation structure, river outfall and SCADA system.

Responsible for engineering at West Virginia American Water (WVAW):

- Supervising an engineering staff of eight, working in conjunction with other departments at WVAW.
- Developing and prioritizing multiple capital projects while developing and managing the multi-million capital budget for West Virginia. Budgeting includes developing and creating large investment projects, multiple public private partnerships and several acquisitions.
- Involved in multiple operational issues/projects including non-revenue water reduction, comprehensive planning studies including interconnection studies to combine operations to increase efficiencies.
- Worked on the automation of Bluestone Water plant which is intended to be the first one shift automated and unattended surface water treatment plant in West Virginia.
- Design of multiple pressure reducing stations and booster stations.
- Overseeing a \$1.5+ million per year tank painting program.
- Managed tank painting program, which included evaluating, prioritizing, draining and refilling tanks, tank inspections, preparation of contract documents, bidding, bid evaluations, contract awards, scheduling, taking tanks out of service while maintaining uninterrupted service to customers.
- Responsible for over 300 tanks in the largest water system in West Virginia.

Responsible for the Fayette AMI project, a \$4.3 million-dollar meter replacement/automation project to automate almost 12,000 water meters in Fayette County, West Virginia. This project was part of an EPA Green Project and the project was successfully publically bid using a

EDUCATION

B.S. Civil Engineering, 1982
West Virginia University

EMPLOYMENT HISTORY

2011-Present	Potesta & Associates, Inc.
1991-2011	West Virginia American Water
1988-1991	Dunn Engineers, Inc.
1982-1988	Kelley, Gidley, Blair & Wolfe, Inc.

PROFESSIONAL REGISTRATIONS

- Professional Engineer – West Virginia
- Professional Surveyor – West Virginia

PROFESSIONAL AFFILIATIONS

- American Water Works Association
- National Society of Professional Engineers

AREAS OF SPECIALIZATION

Water including design of water mains, water storage tanks, booster stations, pressure reducing stations, advanced metering infrastructure – (AMI) and Automated Meter Reading – (AMR) systems. Extensive knowledge in water distribution systems operation and maintenance.

Quarry Creek Subdivision consisting of vertical turbine booster station and a 330,000-gallon water storage tank, with an elevated storage tank bid option and water lines.

Kellys Creek Project consisting of 16-inch water main extension, booster station, and water storage tank along Route 60 using WVDEP, AML funding.

Little Sandy, Aarons Fork and Edens Fork Projects. Construction of water mains, a booster station and a 160,000-gallon storage tank utilizing two Small Cities Block Grants with KCDRA.

Summers-Mercer Water Project included design of an 8-inch water main to Hinton and a 24-inch water main from the new Bluestone plant to Princeton, including the pressure reducing stations along with the 300,000-gallon water storage tank near Pipestem.

Designed and constructed multiple small water main extensions, working with developers, customers and small contractors to serve new subdivisions and unserved areas.

Sewer Lines and WWTPs

Project Manager for the replacement of the Wastewater Treatment Plant at Point Pleasant, West Virginia. This included being responsible for design, plans, specifications, regulatory approval, bidding and bond sale, and construction management.

Inspection of wastewater collection systems, writing Operation and Maintenance Manuals, Facility Plans, and Grant Applications for various clients.

Project Manager for the Big Sandy Sewer Public Service District Vacuum System Project, which included the design and construction of three vacuum sewer stations, two sewage pump stations, a 9-mile force main, and the vacuum sewer collection system. Responsibilities of the above involved the preparations of engineering contracts, planning reports, plans and specifications, bid documents, operation and maintenance manuals, and change orders for state and federally funded wastewater and water projects. The process involved cost-effective analysis, public relations, technical writing, and public speaking.

Project Engineer for the Logan Wastewater Interceptor Project, the Town of Barboursville Lagoon Improvements, and the Philippi Wastewater Project including a new Oxidation Ditch Plant, renovation of an existing pump station, sewer main replacement design, and construction. Experience included designing wastewater treatment plants, sludge handling facilities including belt filter presses, wastewater collectors and pumping systems, site developments, access roads, and combined sewer overflow (CSO) facilities.



EDUCATION

M.S. Engineering Management, 2006
Marshall University

B.S. Civil Engineering, 1988
University of Florida

Administration – United States Air Force Technical School

EMPLOYMENT HISTORY

2007-Present	Potesta & Associates, Inc.
2000-2007	WV Dept. of Health and Human Resources
1997-2000	Summit Engineering, Inc.
1997	Pyramid Consultants, Inc.
1995-1997	Haworth, Meyer and Boleyn, Inc.
1989-1995	GAI Consultants, Inc.
1979-1983	United States Air Force

PROFESSIONAL REGISTRATION

Professional Engineer – West Virginia

AREAS OF SPECIALIZATION

Drinking water and wastewater including funding coordination; hydrologic and hydraulic analysis including dam break; chemical and municipal solid waste disposal; surface coal mining; limestone quarry mining; abandoned mine lands reclamation; and site development.

PROFESSIONAL EXPERIENCE

Sewer Lines and WWTPs

Huntington Sanitary Board – Client Manager for oversight of designed construction of the following:

- Design, bidding, and construction management of combined sewer replacement project on 13th Street West and 19th Street, which included a combination of full trench replacement and trench-less technology pipe lining (cured-in-place pipe) for approximately 3,000 feet of 24 through 36-inch pipe.
- Redesign, bidding, and construction management of conversion of four ejector stations to submersible pump stations to include altering design from a cast-in-place concrete cap to allow building to remain. Design included new hatches and hoisting, ventilation equipment, heating, bypass features, and oversight of electrical design.
- 13th Street Pump Station – design, bidding, and construction management of installation of 30-inch bypass on 48-inch prestressed concrete cylinder pipe and replacement of 2-24” failing 90 degree discharge pipe bends, including air release valves. Project included installations of water stops in existing 48” pipe and coordination with the WVDEP to discharge into river during construction work.
- Assistance regarding the CSO long-term control plan’s implementation schedule and lead participation development of asset management plan.
- Preparation of wastewater treatment plant incinerator failure analysis and replacement analysis.
- Environmental remediation of fly ash lagoon through West Virginia Voluntary Remediation Program and design of bioretention basin at WWTP for treatment of stormwater fitting “green” project criteria.
- Management of study and preparation of Preliminary Engineer Report for replacement of Huntington’s primary 33 MGD pump station facility (13th Street).
- Evaluation of the mixing zone for the Wastewater Treatment Plant discharge.
- Replacement of 54” of PCCP force main crossing flood level at WWTP entrance.
- Design, bidding, and construction management of replacement of 54-inch CMP effluent line with 48-inch HDPE line and diffuser at WWTP, including installation of connection vault, degassing manhole, two manholes, and overflow channel and

rehabilitation of existing pipe at entrance to effluent line with ecocast lining.

- Design, bidding, and construction management of installation of new septage receiving and vacuum truck discharge station to include truck operator control station to allow flow measurement and billing, new access road and pump station to tie-into force main.

Town of Handley – Design of complete rehabilitation of three existing pump stations to include raising elevation of one station above flood plain level.

University of Charleston – Design engineer on rehabilitation of sanitary and stormwater system to include the design and construction of precise bore and jack of two sections main truck line (approximately 500 feet) under the existing main entrance area so that existing old trees, entrance walkways, and vegetation were not disturbed. Due to flat slope lines and requirement of line to meet existing manhole elevations, lines were accurate to a 1/100th foot.

Developed 201 Facilities Plan for \$28 million wastewater collection and treatment project in Logan County, West Virginia.

Summit at Cheat Lake Residential Development – Design of package plant and gravity inflow sewer lines, 2,500 linear feet of 1.5-inch and 2-inch force main line from three pump stations for 120-acre, 95-lot residential development at Cheat Lake in Monongalia County, West Virginia.

American Electric Power Company:

- London Locks, West Virginia and Clayton Lake, Virginia – Peat Sanitary Sewer Treatment System, including sediment basin, peat treatment, and UV system

Water Lines, Water Storage Tanks, and Water Treatment Plants

West Virginia Bureau for Public Health:

- West Virginia Infrastructure and Jobs Development Council:
 - Oversight of water technical review committee for infrastructure water projects
 - Member of sewer committee and sitting member of the Funding and Infrastructure Council

- Oversight of technical assistance/review for infrastructure water projects and wastewater preliminary applications
- Represented Bureau of Public Health in committee and council meetings
- Sitting member of consolidation committee
- Permitting Program – Directed review and issuance of public water and wastewater, public swimming pool, agricultural waste construction permits and water vending machine permits.
- Drinking Water Treatment Revolving Fund and State Tribal Assistance Grant Programs:
 - Oversight of loan and grant administration, including technical and financial review
 - Project selection
 - Coordination with appropriate federal and state agencies (environmental and funding) and public water systems
 - Coordination of bid advertising, loan closing, construction administration (processing of invoices, change orders, etc.)
 - Water system adherence to loan conditions
 - Preparation of program grant applications and reports to EPA including: annual reports, disadvantaged business enterprise reports, and intended use plans
 - Oversight of 2 percent technical assistance grant with the West Virginia Rural Water Association, which provides continuing education to water treatment plant operators
 - Oversight of the 4 percent administrative set-aside to Water Development Authority in financial management of the Drinking Water Treatment Revolving Fund
 - Directed, assessed, reported on and provided assistance on the technical, financial and management capabilities of public waters systems
 - Responsible for the oversight of program adherence to capacity development strategy, Governor's report, and annual reports to the EPA.

Project engineer on multiple waterline extension projects, including WVDEP-AML projects in central and southern West Virginia. Projects contained waterline, tank and booster station design, preparation of contract bid documents, and construction management.

Villages of Coolfont – Project Engineer for design, including three raw water wells drilling and development, field testing and design of 300 gallon per minute potable ionization water treatment plant to serve 1300-home village center and spa, three deep wells and raw water transmission lines. Water treatment plan was designed to treat hard water.

Webster County Commission, Countywide Water Study – Secured grant from the West Virginia Bureau for Public Health to conduct county wide study to include consolidation of county service providers to provide better service to customers in Webster County, West Virginia. Prepared preliminary engineering reports to provide service to Erbacon and Route 82 areas of Webster County.

Hydrology and Hydraulics

City of Charleston – Stormwater analysis on existing and future developments of residential watershed in Charleston, West Virginia. Preliminary design of channels, culverts, and flood detention structures. Preparation of design report in which various alternative hydraulic structures were compared with respect to cost and constructability.

Preliminary design of a stormwater management system and grading plans for a regional mall in Western Pennsylvania. Evaluation of several drainage alternatives and pond designs for a site containing numerous wetlands.

Analysis and design of stormwater management for six separate sites, two of them shopping centers, including storm channels, surface and subsurface stormwater detention facilities, culverts, and pipe sizing design.

Design, installation, monitoring and analysis of data from a stream gage for a water supply study of a power generating plant owned by an independent power company.

Pennsylvania Department of Transportation – Drainage structure designs for various projects to include hydrologic analysis, storm channel and detention pond design.

Private Dam Owners – Hydrologic and hydraulic analysis on various private dams within West Virginia to determine impacts from multiple storm events on dam principal and emergency spillways, overtopping and impacts to downstream structures, including dam break conditions using HEC-HMS and HEC-RAS computer programs.

Civil/Site Design

Vaughan Railroad – Preparation of construction specifications for railroad line construction, including erosion and sediment control, culvert installation and subgrade compaction.

U.S. Army Corps of Engineers – Participated in utility relocation planning for two local flood protection projects for Petersburg and Moorefield, West Virginia to include utility relocation design and quantity and cost estimation.

The State of West Virginia



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 11th 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

Secretary
Frank H. Gaddy

By
Wm. P. Jackson

President
Robert S. Scott

Kenneth H. Moore



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

[Handwritten signature]

Secretary
Kenneth H. Means

By
Frank Vaddy President
Robert L. Heath

Renewal



West Virginia
Department of
Environmental Protection

GROSE, CHRIS A
Licensed Remediation Specialist

Registration Number: ■

Patricia A. Helman

Director, Division of Land Restoration

02/06/2016 - 02/05/2018
Date Issued - Date Expires



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

Terence C. Moran

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 Feb in the year of our Lord One Thousand Nine Hundred and Ninety Two and of the State the One Hundred Thirty Second



STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

H. Ben Faulstich Secretary

Robert R. Equid President

Kenneth H. Means

Robert C. Scott Frank Haddy

The State of West Virginia



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

Mark A. Sankoff

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 27th day of February in the year of our Lord One Thousand Nine Hundred and Eighty-Nine and of the State the One Hundred Twenty-Fifth.

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

[Signature]
Maud A. Jackson

Secretary
Kenneth H. Means

By
Frank Vaddy President
Robert Scott



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

Patrick A. Taylor

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 2nd day of Aug. in the year of our Lord One Thousand Nine Hundred and Ninety Four and of the State the One Hundred Thirty First



STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

Secretary
Kenneth H. Means Frank N. Kelly Paul R. Engle

President
Robert B. Scott

West Virginia Ethics Commission Disclosure of Interested Parties to Contracts

(Required by W. Va. Code § 6D-1-2)

Name of Contracting Business Entity: Potesta & Associates, Inc. Address: 7012 MacCorkle Avenue, SE, Charleston, WV 25304

Name of Authorized Agent: Dana L. Burns Address: 7012 MacCorkle Avenue, SE, Charleston, WV 25304

Contract Number: CEOI 0310 DNR1900000009 Contract Description: South Charleston Boat Ramp Improvement

Governmental agency awarding contract: West Virginia Division of Natural Resources

Check here if this is a Supplemental Disclosure

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

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

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

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

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

Ronald R. Potesta - 75%
Dana L. Burns - 25%

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

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

Signature: *Dana L. Burns*

Date Signed: 4/29/19

Notary Verification

State of West Virginia, County of Kanawha:

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

Taken, sworn to and subscribed before me this 29 day of April, 2019.

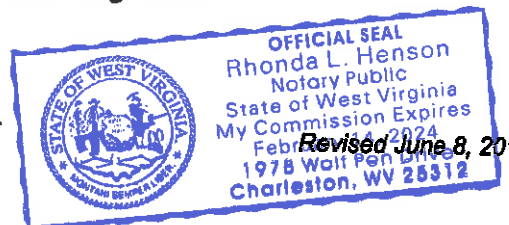
Rhonda L. Henson
Notary Public's Signature

To be completed by State Agency:

Date Received by State Agency: _____

Date submitted to Ethics Commission: _____

Governmental agency submitting Disclosure: _____



STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

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

ALL CONTRACTS: Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

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

DEFINITIONS:

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

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

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

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

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: Potesta & Associates, Inc.

Authorized Signature: *Dana L. Burns* Date: 4/29/19

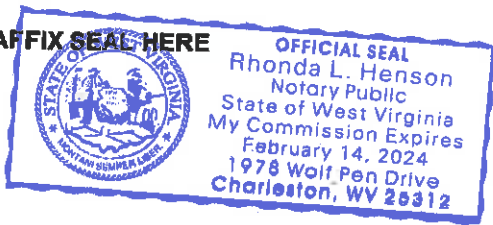
State of West Virginia

County of Kanawha, to-wit:

Taken, subscribed, and sworn to before me this 29 day of April, 2019

My Commission expires February 14, 2024

AFFIX SEAL HERE



NOTARY PUBLIC *Rhonda L Henson*

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CEOI DNR19*09

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 checked="" 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.

Potesta & Associates, Inc.

Company

Dana L. Burns

Authorized Signature

4/29/19

Date

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

Revised 6/8/2012

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.

Dana L. Burns Vice President

(Name, Title)
Dana L. Burns, Vice President

(Printed Name and Title)
7012 MacCorkle Avenue, SE, Charleston, WV 25304

(Address)
304-342-1400/304-343-9031

(Phone Number) / (Fax Number)
dlburns@potesta.com

(email address)

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

Potesta & Associates, Inc.

(Company)

Dana L. Burns Vice President

(Authorized Signature) (Representative Name, Title)

Dana L. Burns, Vice President

(Printed Name and Title of Authorized Representative)

7/29/19

(Date)

304-342-1400/304-343-9031

(Phone Number) (Fax Number)



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

State of West Virginia
 Centralized Expression of Interest
 02 — Architect/Engr

Proc Folder: 568449

Doc Description: Addendum 1 - A/E Services for S Chas. Boat Ramp Improvements

Proc Type: Central Contract - Fixed Amt

Date Issued	Solicitation Closes	Solicitation No	Version
2019-04-26	2019-04-30 13:30:00	CEOI 0310 DNR1900000009	2

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

Vendor Name, Address and Telephone Number:
 Potesta & Associates, Inc.
 7012 MacCorkle Avenue, SE
 Charleston, West Virginia 25304

FOR INFORMATION CONTACT THE BUYER
 Brittany E Ingraham
 (304) 558-2157
 brittany.e.ingraham@wv.gov

Signature X *Dana L. Burns* FEIN # 31-1509066 DATE 4/22/19

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

ADDITIONAL INFORMATION:

Addendum

Addendum No.01 issued to publish and distribute the attached information to the vendor community.

Expression of Interest

South Charleston Boat Ramp Improvements

The West Virginia Purchasing Division is soliciting Expression(s) of Interest for the Agency, The Division of Natural Resources, from qualified firms to provide architectural/engineering services to provide necessary engineering, and other related professional services to design and specify for construction as well as provide construction administration, for the South Charleston Boat Ramp Improvements, per the bid requirements, specifications, terms and conditions attached hereto.

*Online submissions of Expressions of Interest are prohibited.

INVOICE TO	SHIP TO
DIVISION OF NATURAL RESOURCES PARKS & RECREATION-PEM SECTION 324 4TH AVE SOUTH CHARLESTON WV25305 US	SUPERINTENDENT DIVISION OF NATURAL RESOURCES PIPESTEM STATE PARK 3405 PIPESTEM DR PIPESTEM WV 25979-0150 US

Line	Comm Ln Desc	Qty	Unit Issue
1	Civil engineering		

Comm Code	Manufacturer	Specification	Model #
81101500			

Extended Description :

Architectural/engineering services and contract administration for boat ramp, parking and other improvements in the City of South Charleston, WV, on the Kanawha River.

DNR1900000009	Document Phase Final	Document Description Addendum 1 - A/E Services for S Chas. Boat Ramp Improvements	Page 3 of 3
----------------------	--------------------------------	--	------------------------------

ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions



POTE&AS-01

NGONZALEZ

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
2/26/2019

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
Ames & Gough
8300 Greensboro Drive
Suite 980
McLean, VA 22102

CONTACT NAME:
PHONE (A/C, No, Ext): (703) 627-2277 **FAX (A/C, No):** (703) 627-2279
E-MAIL ADDRESS: admin@amesgough.com

INSURED
Potesta & Associates, Inc.
7012 MacCorkle Avenue, SE
Charleston, WV 25304

INSURER(S) AFFORDING COVERAGE		NAIC #
INSURER A :	Valley Forge Insurance Company A(XV)	20508
INSURER B :	Continental Casualty Company (CNA) A, XV	20443
INSURER C :	American Casualty Co of Reading, PA A(XV)	20427
INSURER D :	Evanston Insurance Company	35378
INSURER E :		
INSURER F :		

COVERAGES**CERTIFICATE NUMBER:****REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Contractual Liab. GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			6057035330	3/7/2019	3/7/2020	EACH OCCURRENCE	\$ 1,000,000
							DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 100,000
							MED EXP (Any one person)	\$ 15,000
							PERSONAL & ADV INJURY	\$ 1,000,000
							GENERAL AGGREGATE	\$ 2,000,000
							PRODUCTS - COMP/OP AGG	\$ 2,000,000
								\$
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY			6057035327	3/7/2019	3/7/2020	COMBINED SINGLE LIMIT (Ea accident)	\$ 1,000,000
							BODILY INJURY (Per person)	\$
							BODILY INJURY (Per accident)	\$
							PROPERTY DAMAGE (Per accident)	\$
								\$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$ 10,000			6057035358	3/7/2019	3/7/2020	EACH OCCURRENCE	\$ 9,000,000
							AGGREGATE	\$ 9,000,000
								\$
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below			6057035344	3/7/2019	3/7/2020	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER	
							E.L. EACH ACCIDENT	\$ 1,000,000
							E.L. DISEASE - EA EMPLOYEE	\$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	\$ 1,000,000
D	Professional Liab.			MKLV7PL0003566	3/7/2019	3/7/2020	Per Claim/Aggregate	5,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
Pollution Liability is included in the Professional Liability policy and shares the limits per the policy terms and conditions.

CERTIFICATE HOLDER**CANCELLATION**

EVIDENCE OF COVERAGE

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

ACORD 25 (2016/03)

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