

EXPRESSION OF INTEREST

***Engineering and Consulting Services
Design and Construction of Boating Facilities
in the Town of Winfield and Improvements
of the Boating Facilities in the City of Huntington
Solicitation No. CEOI 0310 DNR1700000002***

Prepared for:

West Virginia Division of Natural Resources

Parks and Recreation Section
324 4th Avenue
South Charleston, West Virginia 25303

Prepared by:

Potesta & Associates, Inc.

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Project No. 0101-16-0360

October 25, 2016

POTESTA

10/26/16 09:59:30
MU Purchasing Division

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EXPRESSION OF INTEREST

Engineering and Consulting Services Design and Construction of Boating Facilities in the Town of Winfield and Improvements of the Boating Facilities in the City of Huntington Solicitation No. CEOI 0310 DNR1700000002

1.0 INTRODUCTION

Potesta & Associates, Inc. (POTESTA) is pleased with the opportunity to present our qualifications to the West Virginia Division of Natural Resources (WVDNR) Parks and Recreation Section to provide engineering and consulting services for the design and construction of public access facilities to the Kanawha River in the Town of Winfield, West Virginia and to the Ohio River near the mouth of the Guyandotte River in Huntington, West Virginia. We understand that required services include, but are not limited to, review with the owner existing plans and conditions as well as park operating procedures and determine a plan that meets all objectives and can be implemented with minimal disruptions to daily operations; construction design in accordance with all state, federal and local regulations that pertain to the proposed project, while executing the project within the project budget; preparation of bidding and contracting documents; participation in the evaluation of bids received; monitoring and observation construction activities on a periodic basis to insure compliance with plans and specifications; and obtaining necessary environmental permits.

2.0 STATEMENT OF QUALIFICATIONS

2.1 Corporate Overview

POTESTA is an engineering and environmental consulting firm located in Charleston, West Virginia providing professional services to deliver innovative, cost-effective solutions to complex problems. We have branch offices in Morgantown, West Virginia, and Winchester, Virginia. Our firm is multi-disciplinary and has a diversified practice covering engineering (civil, chemical, environmental, geotechnical, and mining), surveying, construction observation, permitting, site characterization and remediation, and general environmental consulting. POTESTA is well suited to provide services associated with wastewater and drinking water systems. We have worked on numerous large and small projects throughout West Virginia. Our 12 registered professional engineers have over 300 years of experience among them and are supported by a large group of engineers, designers, and surveyors. POTESTA's large staff of approximately 100 engineers, surveyors, designers and support personnel will ensure that the project is adequately staffed with experienced design professionals. This team will be lead by Mr. Dana L. Burns, P.E., Vice President, with over 36 years of experience with public works projects.

Environmental engineering, regulatory liaison and environmental compliance are also areas of exceptional strength for POTESA. Ronald R. Potesta, President of the company, is a former director of the West Virginia Department of Natural Resources.

Our clients include public service districts, municipalities, county commissions, manufacturers, utility companies, waste management companies, architects, engineering design firms, attorneys, financial institutions, insurance companies, land developers, construction companies, chemical and mining companies, and local, state, and federal government agencies.

We carry a full line of insurance coverage including general liability, professional liability, errors and omissions, and workers' compensation. A copy of the insurance certificate is in **Appendix A**. **Appendix B** contains the signed EOI and Purchasing Affidavit. We use stringent quality control procedures to provide our clients with quality projects. POTESA offers the following professional services.

- ▶ Water/Wastewater Storage Tank Design
- ▶ Water/Wastewater Treatment Design
- ▶ Sanitary/Storm Sewer Separation
- ▶ Preparation of Construction Documents (Calculations Brief, Construction Drawings, Contractor's Bid Sheet, Engineer's Cost Estimate, QA/QC Manual and Technical Specifications)
- ▶ Surveying (Traditional and Global Positioning System)
- ▶ Construction Observation/Administration
- ▶ Water Line Design
- ▶ Subsurface Investigations
- ▶ Feasibility Studies
- ▶ 404 Permit Preparation and Negotiation
- ▶ Acid Mine Drainage Control
- ▶ Asbestos Inspection
- ▶ Benthic and Biological Studies
- ▶ CADD Services (AutoCAD, Microstation, Various Software Design Packages, Digitizing and Plotting)
- ▶ Chemical Engineering
- ▶ Civil Engineering
- ▶ Clean Air Act Compliance
- ▶ Corporate Environmental Management
- ▶ Design of Slurry Impoundments and Refuse Disposal Sites
- ▶ Dewatering Plans
- ▶ Environmental Engineering
- ▶ Environmental Impact Studies
- ▶ Environmental Site Assessments
- ▶ Environmental Audits
- ▶ Erosion and Sedimentation Control Plans
- ▶ Expert Witness and Litigation Support
- ▶ Foundation Design
- ▶ Geological Services
- ▶ Geotechnical Engineering
- ▶ Ground and Surface Water Sampling
- ▶ Groundwater Investigation and Remediation
- ▶ Groundwater Protection Plans
- ▶ Hazardous Waste Management
- ▶ Hydrologic and Hydraulic Evaluations
- ▶ In-Situ and Ex-Situ Biostimulation/Bioaugmentation
- ▶ Landfill Design
- ▶ Landfill Closure Plans
- ▶ Mining Engineering
- ▶ Multimedia Sampling (Air, Fly Ash, Rock, Soil, Water)
- ▶ Permitting (Air, FERC, Fly Ash Haulback, Mining, NPDES, Quarry and Solid and Hazardous Waste)
- ▶ Pollution Prevention and Waste Minimization Planning
- ▶ Pre-Blast and Pre-Subsidence Surveys
- ▶ Reclamation Design and Planning
- ▶ Reclamation Liability Assessments
- ▶ Regulatory Liaison Services
- ▶ Risk-Based Environmental Assessment
- ▶ SARA Title III, TIER II and Form R Inventory and Reporting
- ▶ Site Characterization and Remediation Planning
- ▶ Site Design/Planning
- ▶ Spill Prevention Control and Countermeasure Plans
- ▶ Stabilization and Closure of Waste Impoundments
- ▶ Stormwater Management and Permitting

- ▶ Stream Benthic Macro-Invertebrate Surveys and Toxicity Evaluations
- ▶ Subsidence Studies
- ▶ Surface and Groundwater Monitoring, Statistical Analysis and Reporting
- ▶ UST Closure and Site Remediation
- ▶ UST Installation Monitoring
- ▶ Waste Facility Permitting and Design
- ▶ Waste Disposal Design
- ▶ Wetland Investigation and Delineation, Mitigation Design and Monitoring

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. Although POTESTA employs over 100 people, our corporate structure with low overhead allows our rates to be competitive with those of smaller firms.

On the other hand, our large, experienced staff allows us to respond quickly, provides flexibility, and will provide for the opportunity of high level input from in-house experts on complex multi-disciplinary projects. Our normal method of staffing projects is to assign a small project team with total responsibility for completion of the work to the client's satisfaction and budget. Where necessary, the team can draw on the expertise available within POTESTA's large staff.

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. Our staff members are routinely involved in the preparation of funding applications and construction documents including participation in the bidding and construction phases of the project.

The project manager will be responsible for monitoring the project budget. POTESTA's staff submits time sheets on a weekly basis. All charges including labor hours and other project expenses are compiled in our accounting center and distributed to the project manager during the following week. In this manner, the project manager can keep close track of costs. In addition, field representatives routinely keep track of subcontractor costs on a daily basis. Thus we can, in effect, keep track of the total project costs on a weekly basis. Our subcontractors commonly invoice at monthly intervals and there is seldom any discrepancy between our field representative's pay items and our subcontractor's invoice.

POTESTA's engineering design department consists of 24 engineers, including 12 professional engineers. The diversity of our engineers' experience plus that of our CADD designers, field technicians, and construction monitors allows us to assemble cost-efficient, practical designs.

POTESTA's construction observation and administration personnel are experienced with stormwater, sanitary sewer, water supply projects, and numerous other civil, geotechnical, and environmental engineering projects, including adherence to specifications, pay quantity verification and dispute resolution. We have successfully completed many projects from start to finish.

POTESTA also maintains a comprehensive construction cost database containing construction bid item costs for numerous projects related to sanitary sewer projects. This database is utilized to develop construction cost estimates for our projects, and we feel results in a more representative estimate of probable construction costs for the client.

POTESTA can also complete applications for necessary permits and approvals such as NPDES stormwater construction registration, NEPA compliance, U.S. Army Corps of Engineers permit, Public Land Corporation stream activity permit, West Virginia Division of Highways occupancy permits, etc.

Additional information regarding POTESTA's civil engineering design, construction monitoring, and surveying capabilities is included in **Appendix C**.

2.2 Experience with Federal and State Funding Programs

POTESTA's staff is highly experienced with federal and state (and local) grant programs and their funding requirements. We have worked on water, wastewater, sewer, highway, and other projects funded by state and federal agencies. Our staff is particularly experienced in projects funded by both West Virginia Clean Water and Drinking Water State Revolving Funds (WVSRF), 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, and United States Department of Commerce - Economic Development Administration. These funds have been used to upgrade water and wastewater systems, construct water and wastewater treatment plants, extend water and sewer lines, construct sewer systems, build industrial parks, etc.

2.3 Similar Prior Experience

Following is a brief description of similar projects completed by POTESTA. **Appendix D** contains project abstracts of similar projects completed by POTESTA.

Project	Description
Town of Granville Granville Boat Ramp Monongalia County, WV	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.

Project	Description
Paradigm Architecture Waterfront Marina Monongalia County, WV	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 West Fork River Lewis, Harrison and Marion Counties, WV	Assess the water quality and determine potential sources of impairment in a 73-mile reach of the West Fork River.
New River Ledges Associates, LLC Fayette County Residential Development Fayette County, WV	Surveyed and developed topographic mapping of the site and produced a preliminary subdivision layout for the property, including roads, utilities and lots, as well as an initial cost estimate. Provided support with various governmental agencies during the acquisition of the property, as well as an evaluation of the town's existing sanitary sewer system and its capacity. A Phase I Environmental Site Assessment was also performed.
Thomas Point Associates City of Thomas Development Plan Tucker County, WV	Develop a trailhead plan in Thomas for the Highland Scenic Trail running from Elkins to Mount Storm, West Virginia, and a schematic design for possible recreation considerations.
Charleston Area Alliance Charleston Greenspace Project Kanawha, WV	Grading plan development, geotechnical design, and coordination/design of required utility relocations/services for the construction of an approximately 1-acre greenspace area. Prepared both design plans and specifications for this project and was also involved in the bidding and permitting phases of the project.
Paradigm Architecture/University Place, LLC/WVU University Place Parking Garage Monongalia County, WV	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.

2.4 Qualifications of Personnel

Mr. Dana L. Burns, P.E., Vice President at POTESTA, will serve as principal-in-charge for this project. As such, he will direct POTESTA's staff, answer questions, address problems encountered and review the project budget. Mr. Burns has over 37 years experience with civil and environmental engineering projects, including working on projects funded by Small Cities Block Grant, United States Department of Agriculture-Rural Utility Services (USDA-RUS), AML, United States Department of Commerce - Economic Development Administration, West Virginia Infrastructure and Jobs Development Council, and others. Mr. Burns was the project manager for the North Bridgeport Bypass, Kanawha Turnpike widening, Tucker County Industrial Park, and the National Industrial Wholesale Lumber access road projects and DOH projects on which POTESTA provided subconsultant services. He has managed over a hundred projects requiring the preparation of construction drawings and technical specifications and participation in the pre-bid and pre-construction conferences. Mr. Burns will serve as the Principal-in-Charge for the project. 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., will serve as project manager for this project. Mr. Kiser has over 32 years experience in civil engineering, with particular emphasis on design and construction administration. Mr. Kiser served as the project engineer on POTESTA's North Bridgeport Bypass and on many of the DOH projects which POTESTA served as a subconsultant. 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. Mr. Kiser has successfully managed various water and wastewater projects, including recent projects with a combined contract value in the millions of dollars. These projects included 180,000 feet of gravity and pressure piping systems.

Mr. Christopher A. Grose, L.R.S., senior engineering associate, has over 26 years of experience in geotechnical and geological projects. Mr. Grose's experience with roadway design projects includes subsurface exploration and geologic study of planned new roadway alignments, as well as development of final design drawings for roadway construction. Mr. Grose has worked on several Industrial Access Road (IAR) projects which were pursued to access new industrial/manufacturing park properties. The IAR grants provide funding for qualifying Industrial developments. Recent roadway projects that Mr. Grose has contributed design services on included Grant County Mulch IAR (Hardy County, WV), National Industrial Lumber IAR (Roane County, WV), and Jaeger/Panther Elementary School IAR (McDowell County, WV). These 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 involved in the IAR approval process.

Mr. Terence C. Moran, P.E., has over 27 years experience on civil engineering projects, with particular emphasis on water/wastewater projects. Mr. Moran will serve on an as needed technical basis for this project. Mr. Moran has served as the project manager/project engineer for 100+ water/wastewater projects, including preliminary engineering, environmental assessments, funding applications, hydraulic analysis, booster and lift station design, storage tank

design, line sizing, design of treatment systems, drawings, specifications, cost estimates, bid documents, “shop drawing” review, construction management and construction inspection. Mr. Moran has completed water/wastewater projects in Barbour, Boone, Brooke, Cabell, Fayette, Greenbrier, Hardy, Harrison, Jefferson, Kanawha, Lincoln, Logan, Monongalia, Morgan, Nicholas, Preston, Putnam, Raleigh, Randolph, Tucker, Wyoming, and Upshur counties in West Virginia. He has completed these projects under the funding of USDA-RUS, HUD (Small Cities Block Grants), AML, United States Department of Commerce - Economic Development Administration, West Virginia Infrastructure and Jobs Development Council, and other funding agencies. Mr. Moran is currently working on POTESTA’s projects involving Economic Development Administration, USDA-RUS congressional funding, and from the West Virginia lottery.

Mr. Pat Taylor, P.E., has substantial experience with state regulatory and funding programs. Mr. Taylor will serve as a liaison with the West Virginia Infrastructure and Jobs Development Council, and the West Virginia Bureau for Public Health. Mr. Taylor was a manager at West Virginia’s Bureau for Public Health. His responsibilities included managing of the West Virginia Drinking Water Treatment Revolving Fund (DWTRF), the state water and sewer construction permitting program and the capacity development program. He also sat on the West Virginia Infrastructure and Jobs Development Council, overseeing the Council’s water technical committee, sitting on the sewer technical committee and also being a member of the council’s funding committee. On a routine basis, Mr. Taylor worked with coordination of all funding agencies.

POTESTA’s proposed construction technicians include Robert Lamm and Mike Whitman. Mr. Lamm and Mr. Whitman have extensive experience with construction observation for civil/site design and roadway design projects.

The personnel listed above are available to work on this project immediately upon notice to proceed. **Appendix E** of this proposal includes resumes of key individuals who are anticipated to work on this project. Our organizational chart is located in **Appendix F**.

3.0 PLAN OF APPROACH

The following presents a typical plan of approach for projects of this nature.

3.1 Development of Scope of Services

POTESTA will work with the WVDNR to develop a successful approach to the project. Input will also be considered from the funding agency and WVDEP, if necessary.

3.2 Preliminary Engineering Study

POTESTA will perform the preliminary engineering study based on the scope of services developed in conjunction with the WVDNR. The preliminary engineering study will assess alternatives for design and construction of the proposed public access sites for fishing and boating at the Town of Winfield location and options for improvements at the City of Huntington location. POTESTA understands that the usability of the boat ramp in Huntington has decreased due to silt deposition. POTESTA will perform a preliminary geotechnical investigation to determine the best course of action to alleviate this problem. The results of the preliminary study will be presented to the WVDNR for review and comment on the proposed design alternatives. The preliminary study would include estimates of probable construction costs for the proposed construction alternatives.

3.3 Final Design and Specifications

POTESTA will proceed with the final design and preparation of project specifications for the project once the WVDNR has reviewed the preliminary design and we have received comments on the same, and the necessary funding has been obtained. Typically, items such as parking layout, pedestrian access, boat ramp anchoring materials, preliminary site grading, and miscellaneous construction details are developed during this stage. POTESTA will insure that the designs for both locations meet current ADA requirements including courtesy docks and paved parking areas. The design can be flexible and POTESTA will adjust the design accordingly as the situation and/or funding may dictate. Construction drawings and specifications will be prepared for regulatory and funding agency and the WVDNR's review and approval prior to advertisement and bidding.

3.4 Construction Cost Estimate

POTESTA will prepare a preliminary estimate of probable construction cost broken down by major work items. The preliminary estimate will be submitted with a draft submittal of the drawings and specifications. A final estimate of probable construction cost will be prepared and submitted with the final drawings. The final estimate will be used for evaluation of project costs and subsequent contractor bids.

3.5 Permitting

Several permits and/or permit modifications may be required for the proposed project. These may include a NPDES General Stormwater Permit, a modification to the facility's NPDES permit, West Virginia Department of Transportation Highway Occupancy Permit, Public Land Corporation Stream Activity Permit, US Army Corps of Engineers Nationwide Permit (NWP 12), and a West Virginia Department of Health Permit and a West Virginia Department of Environmental Protection Permit.

3.6 Bidding Documents Preparation/Bidding Assistance

POTESTA will prepare a construction bid form and required bidding (i.e., contract) documents, and will assist the WVDNR in the appropriate procedures regarding advertisement and procurement of bids. POTESTA will also help present the project at public meetings, and assist with the pre-bid conference for contractors. Upon receipt of bids, POTESTA will aid the WVDNR in evaluation of the bids for cost, completeness and qualifications.

3.7 Construction Administration/Observation

After bid evaluation and contractor selection by the WVDNR, POTESTA proposes to complete the following construction administration and observation tasks during construction. The scope of services described below is based in part on terms and requirements of the *Standard General Conditions of the Construction Contract*, prepared by the Engineers Joint Contract Documents Committee, which has been used for other projects and is assumed to be used as the basis of the contract between the WVDNR and the contractor.

- ◆ Review contract documents, particularly items that were not prepared by POTESTA, such as the agreement, general conditions, supplementary conditions, specification special conditions, and engineering specifications.
- ◆ Review, meet, comment on and accept contractor's preliminary (and subsequent adjustments to) progress schedule, preliminary schedule of shop drawing and sample submittals, and preliminary schedule of values (for progress payments).
- ◆ Attend pre-construction conference.
- ◆ Review underground facilities not shown on contract documents to determine potential changes to contract documents.
- ◆ Review substitutes and "or equal" items, and issue written acceptance/denials.
- ◆ Review and approve shop drawings and samples (if required), including review of revised shop drawings if necessary.
- ◆ Review contractor work plan, if required by specification special conditions.
- ◆ Attend progress meetings and as needed meetings.
- ◆ Issue written clarifications or interpretations of the requirements of the contract documents, including issuance of additional specifications and drawings.

- ◆ Provide a nearly full-time representative to observe construction for compliance with the contract documents, and observe testing by the contractor and record results on appropriate forms.
- ◆ Prepare weekly reports summarizing construction activities.
- ◆ Prepare change orders for the work, including issuance of additional specifications and drawings, if necessary.
- ◆ Review contractor invoices (i.e., Applications for Payment) and issue written recommendations for payment or denial.
- ◆ Issue Certificate of Substantial Completion to the WVDNR, as typically required by the contract documents.
- ◆ Provide record drawings showing “as-built” features.

4.0 CLOSING

POTESTA is excited about the possibility of working with the WVDNR. Our employees take pride in developing safe access to, and protection of, the natural resources of West Virginia. POTESTA’s staff of over 100 people will allow us to assemble an experienced project team and complete this project in a timely and efficient manner. The successful POTESTA team will work together to meet your needs and complete your project in a timely manner while executing the project within the project budget. Our key personnel will remain in close contact with the WVDNR personnel throughout the entire project.

We look forward to meeting with the WVDNR to better acquaint you with our qualifications and experience and to discuss your plans.

Respectfully submitted,

POTESTA & ASSOCIATES, INC.



Dana L. Burns, PE
Vice President

DLB:JJB/clr

Client#: 1114489

POTESASS

ACORDTM

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

3/03/2016

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 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 USI Ins Svcs C/I. Charleston 1 Hillcrest Drive East Charleston, WV 25311 304 347-0611	CONTACT NAME: Brenda Samples PHONE (A/C, No, Ext): 304-347-0066 E-MAIL ADDRESS: brenda.samples@usi.biz	FAX (A/C, No): 304-347-0605
	INSURER(S) AFFORDING COVERAGE	
INSURED Potesta & Associates, Inc. 7012 MacCorkle Avenue SE Charleston, WV 25304	INSURER A: Travelers Indemnity Co. of Amer	NAIC # 25666
	INSURER B: Travelers Property Cas. Co. of	25674
	INSURER C: Farmington Casualty Company	41483
	INSURER D: Lexington Insurance Company	19437
	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 SUBR INSR	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"/> BI/PI GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:		6308476376	03/07/2016	03/07/2017	EACH OCCURRENCE \$1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$300,000 MED EXP (Any one person) \$10,000 PERSONAL & ADV INJURY \$1,000,000 GENERAL AGGREGATE \$2,000,000 PRODUCTS - COMP/OP AGG \$2,000,000 \$
B	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO ALL OWNED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> SCHEDULED AUTOS NON-OWNED AUTOS		BA8G476339	03/07/2016	03/07/2017	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 DED RETENTION \$		CUP8G476376	03/07/2016	03/07/2017	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	Y/N N	UB8G568511	03/07/2015	03/07/2017	<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 Pollution		028174922	03/07/2016	03/07/2017	\$5,000,000 \$5,000,000 \$25,000 Deductible

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
 Evidence of Coverage for operations usual to Engineers and Environmental Consultants.

CERTIFICATE HOLDER Potesta & Associates, Inc. 7012 MacCorkle Ave., SE Charleston, WV 25304	CANCELLATION 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 
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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: 246212

Doc Description: A & E SVC's for Winfield & Huntington Boating Facilities

Proc Type: Central Purchase Order

Date Issued	Solicitation Closes	Solicitation No	Version
2016-09-15	2016-10-26 13:30:00	CEOI 0310 DNR1700000002	1

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

VENDOR
 Vendor Name, Address and Telephone Number:
 Potesta & Associates, Inc.
 7012 MacCorkle Avenue, SE
 Charleston, WV 25304
 (304) 342-1400

FOR INFORMATION CONTACT THE BUYER
 Guy Nisbet
 (304) 558-2596
 guy.l.nisbet@wv.gov

Signature X *Dana L Burns* FEIN # 311509066 DATE October 26, 2016

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

ADDITIONAL INFORMATION:

Expression of Interest

The West Virginia Purchasing Division is soliciting Expression(s) of Interest for the Agency, The Division of Natural Resources WVDNR, from qualified firms to provide Architectural/Engineering and other related professional services to design and provide construction contract administration services for design of boat ramps, courtesy docks, access roads, and parking areas at sites located in the Town of Winfield and near the mouth of the Guyandotte River in Huntington, WV.to as defined herein.

*Online submissions are prohibited for Expression of Interest *

INVOICE TO:		SHIP TO:	
DIVISION OF NATURAL RESOURCES WILDLIFE RESOURCES SECTION 324 4TH AVE CHARLESTON WV25305 US		DIVISION OF NATURAL RESOURCES WILDLIFE RESOURCES SECTION 324 4TH AVE SOUTH CHARLESTON WV 25303 US	

Line	Comm Ln Desc	Qty	Unit Issue
1	Professional engineering services		

Comm Code	Manufacturer	Specification	Model #
81100000			

Extended Description :

A/E services necessary to design and construct boating facilities in the Town of Winfield into the Kanawha River and in the City of Huntington into the Ohio River.

DNR170000002	Document Phase Final	Document Description A & E SVC's for Winfield & Huntington Boating Facilities	Page 3 of 3
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ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions

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

Dana L. Burns
 (Name, Title)
 Dana L. Burns, PE, 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, PE, Vice President Dana L. Burns
 (Authorized Signature) (Representative Name, Title)

Dana L. Burns, PE, Vice President
 (Printed Name and Title of Authorized Representative)

October 26, 2016
 (Date)

(304) 342-1400 / (304) 343-9031
 (Phone Number) (Fax Number)

ADDENDUM ACKNOWLEDGEMENT FORM

SOLICITATION NO.: CEOI 0310 DNR1700000002

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)

(No addenda received.)

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

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

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

Potesta & Associates, Inc.

Company

Dana L. Burns

Authorized Signature

October 26, 2016

Date

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

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

MANDATE: 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 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 Z. Burns* Date: October 26, 2016

State of West Virginia

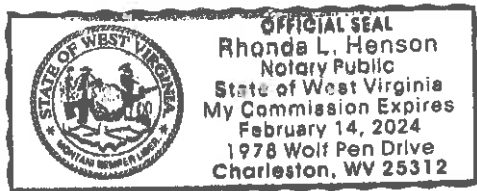
County of Kanawha, to-wit:

Taken, subscribed, and sworn to before me this 26th day of October, 2016.

My Commission expires February 14, 2024.

AFFIX SEAL HERE

NOTARY PUBLIC *Rhonda L. Henson*



Purchasing Affidavit (Revised 08/01/2015)

POTESTA & ASSOCIATES, INC.

Civil Engineering and Design

Potesta & Associates, Inc. (POTESTA) helps clients evaluate and plan projects by completing the following types of preliminary evaluations and analyses.

- Phase I Environmental Site Assessments
- Floodplain Determination
- Geotechnical Explorations Including Soil, Bedrock, and Groundwater Characterization
- Foundation Recommendations
- Monitoring Well Systems and Site Characterization Plans
- Boundary, Topographical and Photogrammetric Surveys
- Utility Planning
- Earthwork Evaluations Including Volume Analysis
- Opinion of Probable Costs/Engineer's Construction Cost Estimates

Once the project has been determined feasible, POTESTA's design professionals complete preliminary and final designs. Frequent communication is made with the client and any other design professionals to review completed activities and obtain input for the design process. Our goal is to provide our services to achieve or exceed our clients' expectations.

Our design services include:

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

POTESTA offers experienced environmental engineers and scientists to prepare applications for various environmental permits that may be required. These services include:

- Stormwater Management Permit/Erosion and Sediment Control Plans
- Office of Air Quality Permit to Construct
- Wetland Delineation and Permits
- National Pollutant Discharge Elimination System (NPDES) Permits
- Floodplain Management Permits
- Groundwater Protection Plans
- Spill Prevention, Control and Countermeasure Plans
- Environmental Site Assessments
- Environmental Impact Statements

POTESTA routinely provides professional services throughout construction of our projects. These services include survey layout, construction management, construction monitoring, record drawing preparation, and bid evaluation assistance.



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Regional Offices: Morgantown, WV and Winchester, VA

Potesta & Associates, Inc. (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 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 activities and documenting compliance. 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 anticipated 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 form 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 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, videotape 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.



POTESTA & ASSOCIATES, INC.

Surveying and Mapping

Our surveyors are experienced in many aspects of surveying such as topographic mapping, boundary surveys (rural/farms, city lots, and subdivisions), ALTA surveys, control surveys, flood certificate surveys, well location surveys, construction surveys for layout of work, record drawings, and quantity measurements. Related areas include courthouse research, preparation of right-of-way plans, and verification of property owners. Potesta & Associates, Inc. (POTESTA) has licensed professional surveyors registered in West Virginia, North Carolina, South Carolina, Ohio, Virginia, and Pennsylvania. Their total combined surveying experience comes to well over 50 years.

POTESTA's surveyors use state-of-the-art equipment such as Topcon total stations, Trimble R-8 GNSS, and SMI data collectors with SMI software. Autodesk Civil 3D reduction and design software is used.

POTESTA is equipped with modern surveying instruments, allowing efficient data processing and accurate gathering of field information. Total station instruments equipped with data collectors are utilized for complete field-to-office automation allowing for high levels of productivity in the field. The latest versions of software are then used to process survey data and create drawings or required end products. These products can be supplied to our clients in AutoCAD and/or Microstation format.

Small topographic mapping projects can be completed in-house using the aforementioned process. Larger projects are better suited for mapping using aerial photography.

POTESTA can provide the necessary surveying required for establishing ground control for aerial mapping. As a quality control measure, aerial mapping is field checked for accuracy by surveying cross sections or random points.



Surveys completed by POTESTA are performed by or under the direction of a professional licensed surveyor. Surveys and mapping are completed to the standards outlined by the National Map Standards, as well as other applicable quality standards.

Our staff is experienced in global positioning surveys (GPS). GPS equipment, Trimble R-8 GNSS, and existing base stations are among POTESTA's surveying tools. Based upon the site location and ultimate use of the survey information, a recommendation is made to the client as to whether or not traditional survey or GPS is most applicable to their project.



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GRANVILLE BOAT RAMP MONONGAHELA RIVER

*Town of Granville
Monongalia County, West Virginia*

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



Monongahela River— Project Site Before Construction

- **Surveying** – Topographic mapping of the project area.
- **Coordination and Consulting** with Various Groups/Agencies – Working with the City of Morgantown Floodplain Coordinator, coordination with landowner(s), the Army Corps of Engineers, and contractors to facilitate communication and compliance during the design process. Also, attendance of pre-bid and pre-construction meetings to assist the client in bid review and decision making.
- **Civil Site Design and Construction Documents** – Entrance/roadway design and grading plan including cut/fill for the construction site, roadway and boat ramp profile, and construction documents.
 - Construction Detail Drawings – Site plan and profile; ArmorFlex® paving section and profile; pavement plan and detail; dry-hydrant plan, profile, and pipe trench detail; erosion and sediment control details.
 - Engineer's Cost Estimate – Probable estimate of construction costs, including line items and estimated unit prices, and miscellaneous costs to estimate the total cost of project completion.
 - Technical Specifications – For project work/materials such as asphalt pavement, ArmorFlex® paving, dry hydrant assembly, earthwork, drainage, and expectations of the contractor.
 - Bid Documents – Preparation of bid tables, contract documents, and review of contractors' bids.
- **Construction Observation/Administration** – Various services during the construction phase including shop drawing review, schedule coordination between client and contractor(s), review of pay applications, and on-site inspection and materials testing (compaction, concrete, etc.).



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WATERFRONT MARINA

Paradigm Architecture

Morgantown, West Virginia

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

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



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



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WEST FORK RIVER WATERSHED SURVEY

Client Confidential

West Fork River - Lewis, Harrison and Marion Counties, West Virginia

Potesta & Associates, Inc. was retained to assess the water quality and determine potential sources of impairment in a 73-mile reach of the West Fork River. A survey of the West Fork River watershed was conducted to determine potential sources of impairment to the water quality and biota in the river. The basin wide study involved water quality and benthic macroinvertebrate surveys throughout the watershed, as well as compilation and review of historical water quality and flow data. A compilation of existing data from the US Army Corps of Engineers and the USGS gaging stations on the river show a significant correlation between flow and some water chemistry parameters which may result in impairment of the in-stream biological community. The historical data which has been compiled will be compared with ongoing monitoring in the watershed to establish water quality trends in the West Fork River.



This project illustrates POTESTA's ability to develop and implement watershed scale monitoring programs. The ongoing monitoring in the watershed further illustrates our ability to develop and implement monitoring programs which are acceptable to the regulatory agencies.

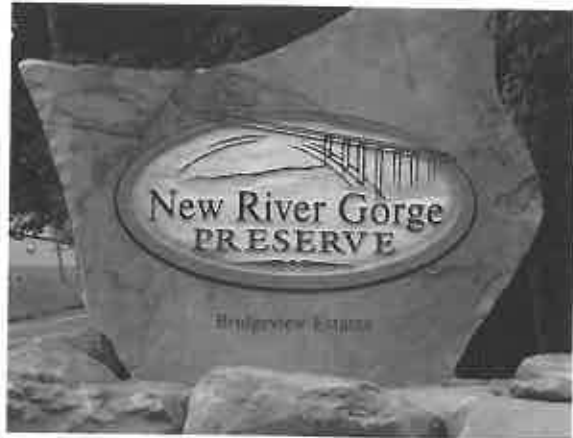
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FAYETTE COUNTY RESIDENTIAL DEVELOPMENT

*New River Ledges Associates, LLC
Fayette County, West Virginia*

Potesta & Associates, Inc. (POTESTA) was retained by New River Ledges Associates, LLC to provide survey and preliminary site design services for the purchase of a large tract of undeveloped land on the plateau overlooking the New River Gorge near Fayetteville, West Virginia.

POTESTA surveyed and developed topographic mapping of the site and produced a preliminary subdivision layout for the property, including roads, utilities and lots, as well as an initial cost estimate.



POTESTA also provided support with various governmental agencies during the acquisition of the property, as well as an evaluation of the town's existing sanitary sewer system and its capacity.

A Phase I Environmental Site Assessment was also performed on a 1,600-acre tract for the client.



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CHARLESTON GREENSPACE PROJECT

*Charleston Area Alliance
Charleston, West Virginia*

Potesta & Associates, Inc. (POTESTA) completed grading plan development, geotechnical design, and coordination/design of required utility relocations/services for the Charleston Area Alliance. POTESTA's services were provided under a design team which was managed by Andropogon Landscape Architecture in Philadelphia, Pennsylvania. POTESTA worked with both the City of Charleston and the West Virginia Division of Highways to prepare design plans for the construction of an approximately 1-acre greenspace area to be constructed near the corner of Leon Sullivan Way and Washington Street in Charleston, West Virginia. The plan called for the installation of several terraced retaining walls, a recirculating stream feature and a reflection pool. Additional requirements included surface treatments such as stone pavers, concrete walkways and site lighting.

Plans for the water feature included the collection of storm water runoff from an adjacent commercial building roof. This water was collected and routed into a buried cistern system which was designed by POTESTA to provide a water source for the recirculation to feed the water feature constructed at the site. POTESTA also worked with the landscape architecture firm to provide geotechnical design recommendations related to several retaining walls which were incorporated into the design.

POTESTA prepared both design plans and specifications for this project and was also involved in the bidding and permitting phases of the project.



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Project Abstract

CITY OF THOMAS DEVELOPMENT PLAN

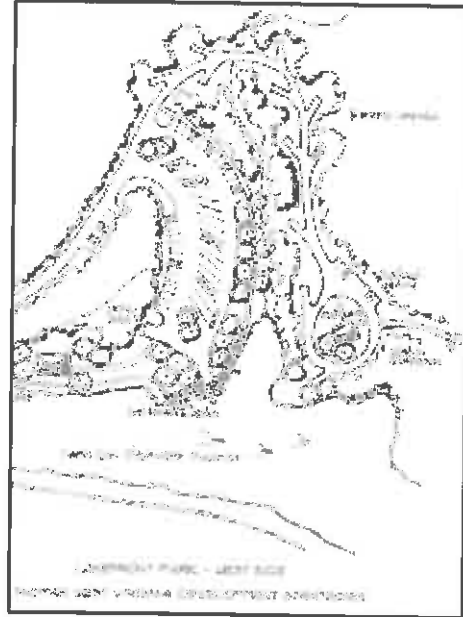
Thomas Point Associates

Thomas, West Virginia

The City of Thomas had a planning study completed in 1998 identifying strategies for the revitalization of the city. Thomas is one of the gateway communities for tourists coming into the Canaan Valley/Blackwater Falls area. It has a significant industrial heritage, having been the second largest producer of coke in the state for most of the early part of the twentieth century.

A portion of the coke making area is still visible in the city and the U. S. Forest Service applied for and received national historic designation for this industrial complex which extends throughout the Blackwater Canyon. This development plan, of which Potesta & Associates, Inc. (POTESTA) is a planning team member, takes several of the key strategies and further develops the plan into schematic design.

These strategies include developing a trailhead plan in Thomas for the Highland Scenic Trail running from Elkins to Mount Storm, West Virginia, and a schematic design for possible recreation considerations on land owned on the west side of the North Fork of the Blackwater River.



These design considerations will be evaluated with the preferred routing of Corridor H (U.S. Route 33) through the area.

*A view of the City of Thomas
from across the river*

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UNIVERSITY PLACE PARKING GARAGE

*Paradigm Architecture/University Place, LLC/WVU
University Avenue, Morgantown, West Virginia*

Potesta & Associates, Inc. (POTESTA) was retained by the owner/developer and the architect to provide civil engineering design services for the University Place Parking Garage in Morgantown, West Virginia. The 6-story parking garage structure includes 390 parking spaces, 3 ground-level retail locations, and is situated on University Avenue. The Parking Garage will accommodate parking for the University Place/West Virginia University (WVU) Student Housing and includes two entrances from public roadways, multiple retaining walls, underground storm water retention system, as well as retail patios, pedestrian access, and landscaping.



Specific services provided by POTESTA on this project included:

- Surveying - topographic mapping, property and right-of-way boundaries, and utility locations.
- Grading plan including cut/fill for the building site, integrated Civil 3D/Revit modeling, entrance/roadway design, retail patio and pedestrian access design, ADA compliant sidewalk ramp and crosswalk design.
- Storm water collection system design including underground retention system, water quality units, curb inlets, catch basins, and connection to the City of Morgantown's existing storm water system.
- Utility extension/connection designs including sanitary sewer, storm sewer/potable water, and fire service.
- Permitting and coordination services including coverage of site development through WVDEP Construction Storm Water Permit, Morgantown Utility Board's MS4 Storm Water Permit, City of Morgantown right-of-way coordination, as well as coordination with the owner, architect, structural engineer, and contractors.



- Technical Specifications including storm water piping, subdrainage, earthwork, concrete and asphalt paving.
- Construction administration services including pre-bid meetings, pre-construction meetings, shop drawing submittal review, site progress meetings.
- Construction observation/testing including concrete testing for caisson foundations and lightweight concrete decking, as well as density testing for subgrade soils.



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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

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.

PROFESSIONAL EXPERIENCE

Civil/Site Design

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

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

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

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

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

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

The Villages at Coolfont – Principal-in-Charge to provide environmental and engineering consulting services for the redevelopment of the Coolfont Recreation property in

Morgan County, West Virginia to create a second home community with high-end amenities.

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

Principal-in-Charge for site grading plans, stormwater management system, site surveying, roadway/parking lot design, wetland delineation/mitigation, and construction monitoring for the 400,000 square foot Coldwater Creek distribution center in Parkersburg, West Virginia.

Principal-in-Charge 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.

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.

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

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.

NPDES Industrial/Municipal Permitting

Completed NPDES renewal permitting and associated agency negotiations for several facilities.

Plasma Processing Corporation – Management of numerous projects in Ravenswood, West Virginia including:

- Subsurface exploration and preparation of soils report
- NPDES Permit
- Development of sampling program for Plasma to follow in obtaining samples for NPDES Stormwater Analyses
- Development of hazardous waste operations manual
- Acquisition of WV Air Pollution Commission permits
- Environmental audit of facility operations

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, South Carolina
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.

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

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

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

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

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

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

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

Utility relocation plans required for site development, waterline, and sewer construction projects. Projects included determination of utility locations by records review, utility contacts, and surveying. Designs were prepared including locations, details, and pavement replacement. Design also included obtaining approvals

from West Virginia Division of Highways and the owners of the utilities.

Environmental Assessments/Impact Statements

Rhone-Poulenc AG Company – Management and oversight of environmental assessment to identify any liabilities or soil/water degradation for a proposed industrial solid waste landfill. Investigation included drilling, sampling, monitoring well sampling, site reconnaissance, and historic records research to establish baseline soils and groundwater conditions. Results presented in a report.

West Virginia Division of Highways – Environmental Assessment for a 1.25-mile proposed four-lane divided highway in Bridgeport, West Virginia.

West Virginia Division of Highways – Environmental Impact Statement (EIS) for proposed Route 19 upgrade from Summersville, West Virginia to Interstate 79 in Braxton County, West Virginia. Project included evaluation of three alternatives over approximately 25 mile length. Responsibilities included hazardous waste section collection of general data used by other scientists, field reviews, and public meeting participation.

Assessment of environmental and reclamation liabilities associated with over 40 surface mine permits in western Virginia. Evaluation included PCB concerns, reclamation costs, underground and aboveground storage tanks, and acid mine drainage.

Massey Coal Service, Inc. – Assessment of environmental liabilities associated with a large tract of property including over 25 permitted mines and a coal preparation plant. Investigation included a review of permits and requirements, past environmental compliance record, walkover of each site, and development of estimated reclamation costs for each site. Report prepared to document results of the liability assessment.

Completion of environmental assessments and a preliminary design report for two inactive commercial solid waste disposal landfills located in Kanawha and Wyoming County, West Virginia. The environmental assessment included completion of a groundwater user's survey for residents located within ½ mile of each facility, drilling shallow groundwater monitoring wells to monitor flow along the soil/bedrock interface downgradient of each landfill, an extensive geotechnical

soils/rock investigation, assessment of each facilities compliance with the solid waste management rules, and developing recommendations for a preliminary closure plan.

Stormwater

Expert witness for plaintiff damaged as a result of flooding caused by lack of maintenance at a culvert system in Westoreland, Wayne County, West Virginia.

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

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.

Stream/Wetland Delineation, Permitting, and Mitigation

Columbia Gas Transmission Corp – Design of stream stabilization and restoration plan for a section of East Fork of Queer Creek in Hocking County, Ohio. Project included obtaining 401/404 certification and preparation of a detailed construction plan.

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. Geological study of hazardous waste remediation sites, CERCLA/SARA, RI, and FS report compilation, geological and geotechnical aspects of siting and design of municipal and industrial waste landfills.

PROFESSIONAL EXPERIENCE

Geotechnical

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

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

Responsible for development of geotechnical and geological recommendations as well as development of stabilization designs for a number of 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 insitu 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.

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 require 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.

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

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

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

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

Rhone Poulenc Ag Company – Subsurface sample collection, resistivity measurements, explosivity measurements, and decontamination procedures for an organic contamination study at Institute, West Virginia.



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

Environmental Assessments/Impact Statements

Environmental site assessments, including record searches and field investigations, for numerous sites in West Virginia, Virginia, Ohio, and North Carolina.

Specialization in large acre tracts, typically ranging from 1,000 acres to 65,000 acres, including coal properties.

- Dominion Resources
- Goldman Associates
- DiMucci Development
- FDIC
- Rhone-Poulenc Ag Company
- GSA
- General Electric
- West Virginia University
- Peabody Coal Company
- Massey Coal Services
- Kanawha County Solid Waste Authority
- Capel, Incorporated
- Plasma Processing Corporation
- Sun Bank South Florida
- Vaughan Railroad Company
- Foodland
- Jackson & Kelly
- Spilman, Thomas and Battle

University of North Carolina – Preparation of an Environmental Assessment showing no significant environmental impact for a proposed 1,400-foot television tower near Chapel Hill, North Carolina.

West Virginia Division of Highways – Project Engineer for completion of hazardous waste portion of environmental assessment for 22 miles of proposed upgrade to US 19, north of Summersville, West Virginia. Included site reconnaissance, interviews, and records search to identify potential hazardous waste sites along path of proposed upgrade.

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.

Ranger Fuel Corporation – Design of an access road for a new deep mine portal at the Clinton No. 4 Mine in Boone County, West Virginia. Project included site grading, hydrology calculations, channel and culvert design, cut/fill balance, and selection of road surfacing material. Deliverables included drawings and specifications. Regulatory approval was obtained.



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

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.

EDUCATION

A.S. Transportation Engineering Technician
Fairmont State College, 2002

Charleston High School, 1989
WVWEA O&M Short School

EMPLOYMENT HISTORY

2003-Present Potesta & Associates, Inc.
2002 CTL Engineering, Inc.
2000-2001 Site-Blauvelt Engineers
1998-2000 Triad Engineering, Inc.
1989-1998 Kroger Company

PROFESSIONAL CERTIFICATION

Certified Technician by the West Virginia Transportation
Engineering Technician and Bridge Safety Inspector
Certification Board

WVDOH Compaction Inspector
WVDOH Concrete Technician
WVDOH Concrete Inspector
WVDOH Asphalt Technician
WVDOH Aggregate Inspector
ACI Concrete Technician Grade 1

AREAS OF SPECIALIZATION

Quality Assurance/Quality Control (QA/QC) construction
monitoring for both public and private construction,
including observation/evaluation for bearing capacity,
foundation, water and sewer line construction, pre- and
post-blast, reinforcement locations, concrete and asphalt
drilling, structural steel and footing, wall and slab.

Sampling and testing of materials, including soils and
concrete. Testing includes nuclear density, compaction
testing of soil, stone and asphalt; one point proctor
determinations, sand cone density tests, concrete/grout
testing and cylinder/cube fabrication. Lab work includes
standard proctors, gradations, 200 washes, sieves, liquid
and plastic limits, moistures, hydrometers, soil
classification, sample logging, and compressive strength
testing.

PROFESSIONAL EXPERIENCE

Construction Monitoring

West Virginia American Water – Resident Project
Representative (RPR) and QA/QC for sludge treatment
facility at the Kanawha Valley Water Treatment Plant.
Tasks included observation and testing for concrete, soil,
block, steel, and utilities.

Buckskin Council of Boy Scouts of America – Steel
inspection for the new headquarters facility of Buckskin
Council in Charleston, West Virginia.

West Virginia Division of Highways (WVDOH) –
QA/QC and testing for compaction of soil, stone, and
asphalt at the Gilmer County Maintenance Garage.

Lakin Correctional Center – QA/QC and testing for soil,
concrete, asphalt, and utilities at the multi-security female
correctional facility in West Columbia, West Virginia.

WVDOH – Consultant Inspector to West Virginia
WVDOH overseeing work and progress of contractors to
assure that projects meet WVDOH specifications. Duties
included preparing daily reports, documentation of
payable quantities of completed items (e.g., 200 LF of 24"
RCP @ \$5/LF = \$1,000), contractor progress, time and
material monitoring of additional work not included in the
contract, file maintenance, receiving documents, attending
meetings and maintaining public safety, as well as field
inspection. Projects included Dry Run Bridge job and I-64
Institute to Dunbar project (including four bridges).

Western Regional Jail and Correctional Facility– QA/QC
and testing of concrete at one of the largest jails in the
state of West Virginia located in Barboursville.

Fleming Landfill – RPR for installation of approximately
6,225 feet of 8-inch gravity line, 43 manholes (both less
and greater than 8 feet in depth), a new pump station, and
3,500 feet of 4-inch force main the Sewer Line Project in
Kanawha County, West Virginia. Construction included
installation of an 8-inch HDPE effluent line and flow
metering manhole to convey leachate from the Fleming
Landfill to the local PSD, upgrade an existing pump
station to handle the increased demand, and abandonment
of an outdated pump station and force main.

West Virginia-American Water Company – RPR for Residuals project serving as a liaison to contractor and monitoring work for owner and engineer. Work included receiving materials, reviewing submittals and progress payments, drafting and issuing change orders, and preparing daily logs summarizing construction. Construction work included installation of sludge pumping station, 1,000,000 gallon concrete gravity thickener, plate settler, two 2.2-meter belt filter presses, chemical feed systems and conveyors, and a building to house equipment. Included was monitoring of pipe installation (e.g. backfill placement, pressure testing) for 25 different subsurface piping systems.

RPR for installation of approximately 9,000 linear feet of water line, a booster station, and a water storage tank at a coal mine complex in Logan County, West Virginia. Maintained daily logs of construction activities, verified pay requests, served as liaison with client, and developed record drawings.

RPR for installation of approximately 14,000 feet of 8-inch water line for the Fisher Ridge Phase II waterline extension in Putnam County, West Virginia. Maintained daily logs of construction activities, verified pay requests, served as liaison with client, and developed record drawings.

RPR for installation of approximately 11,000 feet of 8-inch, 6-inch, and 2-inch water line for the Mifflin-Sharples waterline extension in Logan County, West Virginia. Included were upgrades to existing water line, a railroad crossing, and connections to the existing Logan County Public Service District Sharples system. Maintained daily logs of construction activities, verified pay requests, served as a liaison with client, and developed record drawings.

3M – Project Field Superintendent for West Virginia Turnpike 3M striping contract for the last four years. Oversees the striping and legend work for the 87-mile toll road. As Field Superintendent, verifies the materials, quantity and quality control. Coordinates work of the contractor with WVDOH, West Virginia Turnpike and West Virginia State Police. Handles all communications between the parties.

RPR for installation of approximately 3,700 feet of 12-inch and 8-inch HDPE subsurface effluent piping system. Tasks included verifying that bedding and backfill compaction requirements were met, along with

requirements for pressure testing of installed pipeline and vacuum testing of manholes. Also, maintained daily logs of construction activities, informed client of progress and/or complications and developed record drawings.

Kokosing/Frucon – Field technician testing soil and concrete for Marmet Lock and Dam project. Also supervised Soils Lab. Field duties included job site documentation, sampling and testing of materials. Conducted nuclear density tests, sand cone density tests, one-point proctor determinations, concrete/grout testing and cylinder/cube fabrication.

Completed the following types of inspections:

- Asphalt placement and compaction
- Clearing and grubbing
- Concrete
- Fill placement and backfill
- Free draining base trench
- MSE wall
- Pipe installation, backfill and testing
- Piling
- Structure demolition
- Subgrade placement and compaction
- Superstructure steel
- Traffic control

Inspected and tested asphalt placement, concrete placement, soil and aggregate compaction.

Conducted core drilling, jobsite documentation, lab work, density tests, operating nuclear density gauges, fabricating concrete cylinders and conducting roller passes on stone.

Yeager Airport – Concrete experience includes inspection and testing of concrete treated base (CTB) and Rapid Set Concrete in Charleston, WV.

Drilling experience includes logging split spoons and rock core samples, pumping water and reclaiming drill sites.

Civil/Site Design

Work experience includes various site development projects including placement of water, sewer, gas, electrical and storm water utilities associated with development.

Surveying

Assisted with surveying projects, running levels, conducting right-of-way surveys, locating utilities, houses, buildings and driveways on plans, searching property deeds and will books, setting property and centerline stakes, TBMs and hard points. Also worked as a rodman.

EDUCATION

Spencer High School
Spencer, West Virginia

EMPLOYMENT HISTORY

2015-Present	Potesta & Associates, Inc.
2002-2013	S&S Engineers
2005-2006	Boyles & Hildreth Consulting Engineers
2003-2004	Thrasher Engineering
1999-2001	LedCor/360 Communications
1997-1998	Bilco Construction
1995-1996	ST Pipeline, Inc.
1994-1995	Carl E. Smith, Inc.
1993-1994	CJ Hughes, Inc.
1991-1993	A&L Underground

AREAS OF SPECIALIZATION

Solid background in utilities construction and project supervision. Interpret specifications, track cost estimates and perform liaison activities between engineer, contractors as well as the public. Ability to make on site decisions for contractors when field adjustments need to be implemented during project construction. Complete monthly pay estimates and other management reports as needed. Obtain necessary permissions for construction on public & private land & utilities. Strong history of pipeline, utilities & telecommunications installation. Consistently exceed timelines & budget goals set by project engineer. Skilled in developing and implementing standardized policies and procedures.

PROFESSIONAL EXPERIENCE

Construction Monitoring

Huntington Sanitary Board – Resident project representative for construction work at the Huntington Waste Water Treatment Plant (WWTP). The project included construction of a septage receiving and vacuum truck discharge station; replacement of 54-inch prestressed concrete cylinder pipe force main over a flood levee (prior to the force main entering the WWTP); replacement of 24-inch ductile iron force main; replacement of 30-inch magmeter and vault and bypass; and construction of a 48-inch waste water treatment plant discharge pipe and pipe diffuser, concrete overflow channel, and other associated manholes, piping, etc. The project required installing a

major bypass to continue flow from the City of Huntington to the WWTP during the time of construction. Work tasks included:

- Acting as a liaison to the contractor and monitoring construction work for the Owner, specifically informing the construction manager of progress and project issues
- Reviewing material and equipment submittals
- Reviewing change orders
- Preparing daily logs summarizing construction
- Monitoring pipe testing
- Performing testing of concrete and soil backfill

Public water and sewer construction oversight:

- Assisted engineering and other personnel to solve operating problems.
- Conduct engineering site audits to collect structural and related site information.
- Conferred with engineering and technical personnel to resolve design, research and testing problems.
- Established and maintained relationships with engineering services, government agencies and public.
- Liaison for local contacts and engineering company.
- Monthly reporting of construction progress.
- On-site decisions of field adjustments.

Surveying

Bridge construction and layout for public use:

- Assisted engineer in obtaining correct property lines and layout.
- Tested concrete samples for maintaining state and federal guidelines for bridge construction.
- Recorded measurements used E.D.M for stakeouts and grade setting.

Additional Experience

Fiber optic installation:

- Communicated operational issues and changes to supervisor on regular basis.
- Understood and followed railway safety policies and procedures.

- Collaborated with other team members to ensure smooth work flow and efficient organization operations.
- Troubleshoot electrical and mechanical issues to ensure proper installation of fiber optic cable.

**West Virginia Department of Natural Resources
Public Access Facilities for Fishing and Boating**

Principal-in-Charge

Dana Burns, PE – 37 Years Experience

Technical Support QA/QC Review

Terrence C. Moran, PE – 27 Years Experience

Chief Engineer/Project Manager

D. Mark Kiser, PE – 32 Years Experience

Engineering

Field Reconnaissance, Site Characterization,
Design Engineering, Preparation of Construction
Documents, and Related Tasks

Christopher Grose, LRS – 26 Years Experience
Jarrett Smith, PE – 15 Years Experience
Jason Gandee – 12 Years Experience
Robert Ammirato, PE – 16 Years Experience
Patrick Taylor, PE – 24 Years Experience
Mark Isabell – 10 Years Experience
John Spencer – 35 Years Experience
Jordan Beard – 2 Years Experience
Jessica Boggs – 4 Years Experience
Angela Pugh – 8 Years Experience

CADD Designers

Michael Sankoff – 26 Years Experience
Russ Lester – 27 Years Experience
Brian Leedy – 20 Years Experience
Joe Martin – 22 Years Experience
Chuck Willis – 39 Years Experience
Chuck Bird – 23 Years Experience

Surveying

Victor Dawson, PS – 35 Years Experience
Brad Starkey – 28 Years Experience
Charles Shaffer – 17 Years Experience
Rusty Hunter – 34 Years Experience
Howard Samples – 18 Years Experience
Richard Smith – 4 Years Experience
Greg Hodges – 21 Years Experience

QA/QC Monitors

QA/QC Monitoring of Cap

Robert Lamm – 18 Years Experience
Gary Bridgette – 13 Years Experience
Bill Cox – 18 Years Experience
Paul Kinzer – 2 Years Experience
Mike Whitman – 26 Years Experience

Clerical

Charlene Racer
Melissa High
Rhonda Henson



TRANSMITTAL MEMO

7012 MacCorkle Avenue, SE, Charleston, WV 25304 • Phone: (304) 342-1400 • Fax: (304) 343-9031

To: Mr. Guy Nisbet
State of West Virginia
Department of Administration
Purchasing Division
2019 Washington Street East
Charleston, West Virginia 25305

Date: October 26, 2016
Project No.: 0101-16-0360

Sent Via: Mail Federal Express United Parcel Service
 Hand Carried Other: _____

Quantity	Description
1	Expression of Interest for Engineering and Consulting Services for Design and Construction of Boating Facilities in the Town of Winfield and Improvements of the Boating Facilities in the City of Huntington, Solicitation No. CEOI 0310 DNR1700000002
Remarks:	

By: Dana L. Burns/clr
c: _____