EXPRESSION OF INTEREST FOR PROFESSIONAL DESIGN SERVICES FOR AN ACCESS ROAD, UTILITY UPGRADE, AND ROUGH SITE GRADING FOR THE CHARLESTON ARMORY COMPLEX KANAWHA COUNTY, WEST VIRGINIA

RFQ NO. DEFK11024

Prepared for:

West Virginia Army National Guard Joint Forces Headquarters (WV-JFHQ)
Construction & Facilities Management Office (C&FMO)
1703 Coonskin Drive
Charleston, West Virginia 25311

Prepared by:

Potesta & Associates, Inc.
7012 MacCorkle Avenue, SE
Charleston, West Virginia 25304
Phone: (304) 342-1400 Fax: (304) 343-9031
E-mail: potesta@potesta.com

CONTACT: Mr. Dana Burns, Vice President

Signature: Dana L. Burns

Project No. 0101-11-0013

January 24, 2011

POTESTA

POTESTA
Engineers and Environmental Consultants

TRANSMITTAL LETTER

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

To: Ms. Tara Lyle
WV Department of Administration
Purchasing Division, Building 15
2019 Washington Street, East
Charleston, West Virginia 25305-0130

Date: January 25, 2011
Project No.: 0101-11-0013

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

Quantity	Description
2	Expression of Interest for Professional Engineering Design Services for an Access Road, Utility Upgrade, and Rough Site Grading for the Charleston Armory Complex Project RFQ No. DEFK11024
1	CD – As Above
Remarks:	

By: Dana L. Burns/mh

c: _____

EXPRESSION OF INTEREST FOR PROFESSIONAL DESIGN SERVICES FOR AN ACCESS ROAD, UTILITY UPGRADE, AND ROUGH SITE GRADING FOR THE CHARLESTON ARMORY COMPLEX KANAWHA COUNTY, WEST VIRGINIA

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January 24, 2011

POTESTA

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APPENDICES

EXPRESSION OF INTEREST FOR PROFESSIONAL DESIGN SERVICES FOR AN ACCESS ROAD, UTILITY UPGRADE, AND ROUGH SITE GRADING FOR THE CHARLESTON ARMORY COMPLEX KANAWHA COUNTY, WEST VIRGINIA RFQ NO. DEFK11024

1.0 INTRODUCTION

Potesta & Associates, Inc. (POTESTA) is pleased with the opportunity to present our qualifications to provide professional design services to the West Virginia Army National Guard Joint Forces Headquarters (WV-JFHQ), Construction & Facilities Management Office (C&FMO). These services will result in the development of engineering drawings, contract specifications, and other contract documents as may be required for the design of an access road, utility upgrade, and rough site grading to the Charleston Armory Complex to provide for future building sites located in Kanawha County, West Virginia.

We understand that required services may include, but are not limited to, planning and evaluations, preliminary design; detailed design; preparation of construction plans and specifications, and bidding documents; assistance during bidding; and construction services. POTESTA has a thorough understanding and experience with various Federal and State agencies and the private sector regarding storm water and erosion control requirements, access roadway design, coordination and design of utility services with utility providers, general site development planning and design, and a proven track record of assisting agencies in obtaining regulatory permits as needed.

2.0 QUALIFICATIONS

2.1 Corporate History and Experience

POTESTA is an engineering and environmental consulting firm providing professional services to deliver innovative, cost-effective solutions to complex problems. Our firm is multi-disciplinary and has a diversified practice covering engineering (civil, chemical, environmental, geotechnical, mechanical, and mining), permitting, site characterization and remediation, and general environmental consulting. Civil/site and geotechnical engineering are areas of extensive expertise at POTESTA. We have worked on numerous large projects (coal reclamation to power plant foundations) throughout the region. Our 17 registered professional engineers have over 300 years of experience among them and are supported by a large group of engineers, designers, surveyors and a landscape architect. Regulatory liaison and environmental compliance are areas of exceptional strength for POTESTA as the President of the company is a former director of the West Virginia Department of Natural Resources, and a Vice President is a former director of the West Virginia Division of Environmental Protection (WVDEP).

Our clients include state, local, and federal government agencies, mining companies, manufacturers, utility companies, waste management companies, chemical companies, architects, attorneys, financial institutions, insurance companies, land developers, and construction companies.

We carry a full line of insurance coverage including general liability, errors and omissions, and workers' compensation; Insurance and Workers Compensation Certificates are included in **Appendix A**. We also have quality control procedures to assist in providing our clients with quality projects.

POTESTA offers the following professional services.

- 404 Permit Preparation and Negotiation
- Acid Mine Drainage Control
- Asbestos Inspection
- Benthic and Biological Studies
- CADD Services (AutoCAD 2000, Various Software Design Packages, Digitizing and Plotting)
- Chemical Engineering
- Civil Engineering
- Clean Air Act Compliance
- Construction Monitoring
- Corporate Environmental Management
- Design of Slurry Impoundments and Refuse Disposal Sites
- Dewatering Plans
- Environmental Engineering
- Environmental Impact Studies
- Environmental Site Assessments
- Environmental Audits
- Environmental Engineering
- Erosion and Sedimentation Control Plans
- Expert Witness and Litigation Support
- Feasibility Studies
- 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 and Land Use and Natural Resource Planning
- Landfill Closure Plans
- Land Use and Natural Resource Planning
- Mining Engineering
- Multimedia Sampling (Air, Fly Ash, Rock, Soil, Water)
- Pollution Prevention and Waste Minimization Planning
- Permitting (Air, FERC, Fly Ash Haulback, Mining, NPDES, Quarry and Solid and Hazardous Waste)
- Post Reclamation Land Uses
- Pre-Blast and Pre-Subsidence Surveys
- Preparation of Construction Documents (Calculations Brief, Construction Drawings, Contractor's Bid Sheet, Engineer's Cost Estimate, QA/QC Manual and Technical Specifications)
- 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
- Sewer Line Design
- Site Characterization and Remediation Planning
- Site Design/Planning
- Soil Science/Agronomy
- Spill Prevention Control and Countermeasure Plans
- Stabilization and Closure of Waste Impoundments
- Stormwater Management and Permitting
- Stream Benthic Macro-Invertebrate Surveys and Toxicity Evaluations
- Stream and Water Restoration
- Subsidence Studies
- Subsurface Investigations
- Surface and Groundwater Monitoring, Statistical Analysis and Reporting
- Surveying (Traditional and Global Positioning System)
- UST Closure and Site Remediation
- UST Installation Monitoring
- Waste Facility Permitting and Design

- Waste Disposal Design
- Water Line Design
- Water/Wastewater Treatment Design
- Wetland Investigation and Delineation, Mitigation Design and Monitoring

POTESTA has the following staff in our Charleston, West Virginia office:

19	Engineers, Including 17 Professional Engineers
13	Scientists (Biologists, Ecologists, Environmental Scientists, Etc.)
3	Geologists/Hydrogeologists/Geological Scientist
1	Hydrologist
8	Surveyors
6	CADD Operators/Designers
9	Technicians/Construction Monitors
1	Chemists
15	Support and Other Staff

POTESTA, since starting in 1997, has grown to almost 100 employees in three offices. Included are 17 registered professional engineers (R.P.E.), three registered professional licensed land surveyors (P.L.S.), one registered professional geologist, and two PhDs whose specialties include aquatic biology and water quality.

POTESTA will perform the work for this project from our Charleston, West Virginia office. Our proximity to WV-JFHQ's Charleston office will facilitate immediate response to your needs and allow meetings to be attended within minutes notice. POTESTA emphasizes that we will make a priority commitment to this project.

POTESTA has completed projects involving Civil, Structural, Geological, Hydrological and Reclamation Engineering; Land Use and Natural Resource Planning; Soil Science/Agronomy; Hydrology/Geology; Stream and Water Restoration; and Post Reclamation Land Uses. In addition, POTESTA is currently a contractor to the WVDEP Landfill Closure Assistance Program (LCAP) for surveying, geotechnical and other engineering services for preparing construction documents for reclamation of landfills, and for closure and remediation of underground storage tanks (UST's). We also have open ended statewide contacts with the West Virginia Division of Highways (WVDOH) for survey services and asbestos inspection services. In addition, we have the preeminent staff in West Virginia for addressing issues regarding water quality and regulatory issues since (a) two of our principals are former heads of the state environmental regulatory agency and one was also chief of the water quality regulatory agency, and, (b) we have several PhDs and others with degrees whose specialty is water quality. As a result, POTESTA will provide the required expertise to complete this project in a timely, economical, and efficient manner.

POTESTA has 10+ employees with experience on various site development and highway construction and relocation projects. POTESTA employees have worked on and have experience in the following types of projects:

- Diversion of Stormwater
- Highway and Roadway Design (State and Private Development)
- Landslides
- Site Development (Sub-divisions, Schools, Industrial Parks, etc.)
- Water Treatment and Collection Systems (Storm, Sanitary and Potable Water)
- Stream Relocations
- Subsidence Assessment and Remediation
- USCOE Permitting
- Wetland Assessments
- Erosion and Sediment Control for Construction Development

POTESTA has completed or is working on numerous civil/site projects and highway construction and relocation projects. These projects include design, preparation of construction documents, permitting, surveying and construction administration and observation for the development of industrial parks, schools, residential and commercial sites, reclamation of WVDEP, LCAP and landslides sites. POTESTA has also designed and prepared construction and right-of-plans for the WVDOH on various highway construction and relocation projects. Geotechnical subsurface investigation, surveying, earthwork and site grading, drainage, erosion and sediment control, stormwater structures, roadway layout and design and utility relocations are generally included within POTESTA's scope of services.

Appendix B contains the executed Request for Quotation form and Purchasing Affidavit form.

The following describes POTESTA's qualifications for the surveying, subsurface exploration, civil/site design, and laboratory services necessary for this project:

POTESTA proposes to use our own survey crews, if required, on this project. POTESTA will perform all of the surveying required for this contract using in-house personnel. POTESTA has three licensed professional surveyors with over 50 years of combined surveying experience. Our surveyors are experienced in all aspects of surveying such as topographic mapping, boundary and property surveys, and construction surveys for layout of work, record drawings, and quantity measurements.

POTESTA's surveyors use state-of-the-art "Field to Finish" equipment such as total station instruments, data collectors, AutoCAD 2007, Autodesk Land Desktop 2007 and Autodesk Civil 3D 2008 design software, computer hardware for data management, and a Hewlett Packard Designjet 5500 color ink jet plotter.

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.

POTESTA uses state of the art computers and hardware, networked through Windows NT, for interfacing of drafting and surveying departments. Thus, drawing and surveying data files can be shared efficiently.

Surveys and mapping are completed to the standards as outlined by the National Map Standards as well as other applicable quality standards.

2.2 Experience, Qualifications, and Performance Data of Primary Staff

POTESTA has a staff of almost 100 technical and support personnel. POTESTA is exceptionally well suited to: (1) complete surveying and mapping that may be required; (2) perform geotechnical services including subsurface exploration, laboratory or field testing; (3) provide roadway design including drainage structures such as channels and culverts; (4) develop site grading plans; (5) provide coordination with utility providers for relocations and upgrades associated with the project; (6) develop erosion and sediment plans and permit applications; (7) develop engineering drawings, contract specifications, permit applications and other related contract documents; and (8) attend pre-bid meeting and preconstruction conferences as may be required for the Charleston Armory Complex Access Road and Utility Upgrade Project. POTESTA can conduct all design engineering work required for this project with present personnel. POTESTA will also conduct construction phase services as needed for the project.

Primary staff POTESTA commits to this contract and their roles are as follows:

Mr. Dana L. Burns, PE, Vice President at POTESTA, will serve as principal-in-charge for this project. Mr. Burns' experience includes 30 years of civil and environmental engineering and related projects including roadway, siting design and permitting of industrial, commercial educational and residential developments, detailed design, and preparation of construction drawings, specifications, and bid documents. Mr. Burns will ensure that the workload is properly supported.

Mr. Mark Kiser, P.E., will serve as a design team leader/project manager. Mr. Kiser has served as a project manager/project engineer/expert witness concerning projects in the utility, highway design, site development, abandoned mine lands, and development field in West Virginia for approximately 27 years. His experience in civil and environmental engineering projects including evaluation, design, preparation of plans and specifications, and construction administration and expert witness testimony. Mr. Mark Kiser, P.E. is POTESTA's chief engineer. He performs constructability reviews on our projects during and after design. Mr. Kiser will ensure that the WV-JFHQG is satisfied with POTESTA's work by ensuring that proper QA/QC and timeliness are adhered to.

POTESTA's project manager will be supported by a team of engineers, scientists, surveyors, hydrologists, geologist/hydrogeologists, biologists, CADD operators, and other support personnel from POTESTA's staff. project engineers such as Robert Ammirato, P.E., Jarrett Smith, P.E., and Kenneth Kinder, P.E.; Vince Ammirato, P.E., a civil engineer with an emphasis in structural engineering who has extensive experience in design of reinforced concrete and steel structures; Bill Drinkard, P.E., a mining engineer whom has worked on numerous projects involving earthwork,

site drainage, calculations, plans and specifications and construction administration; Victor Dawson, P.L.S., who has worked on developing mapping or performing construction layout on projects dating back into the late 1980s; and POTESTA's team of CADD Operators whom have also worked on drainage and earthmoving projects.

In addition to the above individuals, POTESTA has an additional project manager/project engineer in Mr. Chris Grose who has worked on numerous earthwork projects. Mr. Grose will serve as POTESTA's geotechnical scientist for work on this contract. Mr. Grose currently oversees aspects of geotechnical work at POTESTA. Mr. Grose will evaluate slope stability issues with respect to regraded drainage and slope stability issues.

Abbreviated personal history statements of primary staff and more detailed descriptions of staff experience are presented in **Appendix C**.

Additional information is included in Section 2.3 "Management Plan and Location of Facilities."

Our corporate and staff's experience involves civil/site design, structural, geological, hydrological, environmental, mining, geotechnical, and reclamation engineering; land use and natural resource planning; soil science/agronomy; hydrology/geology; surface/underground coal mining; environmental and ecological principles in land reclamation, stream and water restoration, and post reclamation land uses; and contract administration. Our capabilities, qualifications and expertise in design of projects are further exemplified in **Appendix D - Service Briefs** and **Appendix E- Project Abstracts**.

POTESTA provides multi-disciplinary services and can perform all of the professional services required under this contract.

2.3 Management Plan and Location of Facilities

Management Plan

POTESTA's proposed project organization chart including key staff is shown by Figure 1 in **Appendix F**. Work will be performed at POTESTA's Charleston, West Virginia office or on-site as may be required. Our Charleston location is convenient with respect to WV-JFHQG 's Charleston office.

POTESTA's professional, technical, and support staff have extensive experience on civil/site design and earthmoving projects. We are well qualified to serve WV-JFHQG on this project. We stand ready to commit the personnel and resources required to complete this project in a timely, technically sound, and cost-efficient manner. POTESTA's large staff size will allow us to work on this project on an accelerated schedule if necessary.

As shown by Figure 1 in **Appendix F**, POTESTA's principal-in-charge will be responsible for contract management (administration) and shall coordinate and direct all aspects of the project. The

principal-in-charge will review the proposed project, meet with the project manager, assemble a project team and appoint key staff to develop a proposed scope of work. The principal-in-charge and project manager will visit the site with the WV-JFHQG to review site conditions and the proposed services to be completed and guide the preparation of a detailed proposal and cost estimate. A written proposal including a detailed scope of work and an associated manhour and cost estimate will then be prepared and submitted to WV-JFHQG for review. The project manager will review the proposal with the WV-JFHQG including a task-by-task discussion of work items and the related costs. Upon WV-JFHQG's approval of the proposal, the project manager will arrange for the start of project activities. The principal-in-charge will provide the project manager the required staff necessary to complete the project activities, will review the project budget and schedule during performance of the project, and will provide a final QA/QC review of the documents prior to submittal to the WV-JFHQG. Mr. Dana Burns, P.E. will serve as the principal-in-charge on this project. Day-to-day project activities, including quality assurance/quality control, for this project will be performed under the direction of Mr. Mark Kiser, P.E., who will serve as project manager. Mr. Kiser will develop a detailed step-by-step project work plan so that the project activities are completed in a correct manner, on-budget, and on-time. Messrs. Burns and Kiser will also review work products at intermediate points and prior to project completion. They will conduct project status reports which may include weekly meetings, memos, or telephone calls with the WV-JFHQG project manager as required. The project manager will supervise the day-to-day work in progress, will coordinate with POTESTA's subcontractors to provide necessary services, and review work products at intermediate points and prior to submittal to the WV-JFHQG.

POTESTA will utilize the appropriate classification of staff to conduct activities required for the project. 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 offers a large staff with the efficiency and rates normally associated with a small firm.

Project Budget Control

The project manager will be responsible for monitoring the project budget and keeping the principal-in-charge informed of its status. POTESTA's staff enters time into POTESTA's Timetrax computer system on a daily and/or weekly basis. POTESTA's project managers can access Timetrax at any time, thus allowing "real-time" control of project 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 a discrepancy between our field representative's pay items and our subcontractor's invoice.

Schedule Control

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

Location of Facilities

POTESTA will complete the work under this contract in our Charleston, West Virginia office. Charleston office will allow the project to be completed in a timely, economical manner as well as provide WV-JFHQG with easy access to us.

Quality Assurance/Quality Control

Submittals to the WV-JFHQG will be reviewed and commented on by the project manager and the principal-in-charge prior to submittal to the WV-JFHQG. POTESTA utilizes standardized Quality Assurance/Quality Control (QA/QC) practices such as consistency checks, color coding of checked copies/calculations, and review of method of measurements versus quantity tallies to insure QA/QC expectations are met.

3.0 CLOSING

We look forward to serving WV-JFHQG on the Charleston Armory Complex Access Road and Utilities Upgrade Project. Our commitment is to provide quality service, rapid response and project completion, and to exceed your expectations for services performed under this project. We believe the track record of our professionals demonstrates our ability and commitment.

ACORD CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YY): 3/09/10

PRODUCER

Wells Fargo Ins. Services
of West Virginia, Inc.
P.O. Box 1551
Charleston WV 25325-1551
(304) 346-0611

INSURED

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

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

COMPANIES AFFORDING COVERAGE

COMPANY A: Travelers Indemnity Company

COMPANY B: Farmington Casualty Company

COMPANY C: American Safety Indemnity Co

COMPANY D:

COVERAGES

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.

CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS		
A	GENERAL LIABILITY	6802343N448T1A09	3/07/10	3/07/11	GENERAL AGGREGATE	$	2,000,000
	X COMMERCIAL GENERAL LIABILITY				PRODUCTS-COMP/OP AGG	$	2,000,000
	CLAIMS MADE X OCCUR				PERSONAL & ADV INJURY	$	1,000,000
	OWNER'S & CONTRACTOR'S PROT				EACH OCCURRENCE	$	1,000,000
					FIRE DAMAGE (Any one fire)	$	300,000
					MED EXP (Any one person)	$	5,000
A	AUTOMOBILE LIABILITY	BA2344N19309GRP	3/07/10	3/07/11	COMBINED SINGLE LIMIT	$	1,000,000
	X ANY AUTO				BODILY INJURY (Per person)	$	
	ALL OWNED AUTOS				BODILY INJURY (Per accident)	$	
	SCHEDULED AUTOS				PROPERTY DAMAGE	$	
	X HIRED AUTOS						
	X NON-OWNED AUTOS						
	GARAGE LIABILITY				AUTO ONLY - EA ACCIDENT	$	
	ANY AUTO				OTHER THAN AUTO ONLY:		
					EACH ACCIDENT	$	
					AGGREGATE	$	
A	EXCESS LIABILITY	CUP-2583T455	3/07/10	3/07/11	EACH OCCURRENCE	$	3,000,000
	X UMBRELLA FORM				AGGREGATE	$	3,000,000
	OTHER THAN UMBRELLA FORM					$	
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY	XFUB-2584T34-7-09 VIRGINIA/WEST VIRGINIA	3/07/10	3/07/11	X WC STATUTORY LIMITS / OTHER		
	THE PROPRIETOR/ PARTNERS/EXECUTIVE OFFICERS ARE: INCL / EXCL				EL EACH ACCIDENT	$	1,000,000
					EL DISEASE-POLICY LIMIT	$	1,000,000
					EL DISEASE-EA EMPLOYEE	$	1,000,000
	OTHER						
C	Pollution Liability	TBD	3/15/10	3/15/11	$1,000,000/$3,000,000 - $5,000 ded.		
C	Professional Liability	TBD	3/15/10	3/15/11	$1,000,000/$3,000,000- $10,000 ded.		

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/SPECIAL ITEMS

CERTIFICATE HOLDER

Evidence of Insurance
00000

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO MAIL ____ DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE

CERTIFICATE: 016/001/ 00140

IMPORTANT

If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

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).

DISCLAIMER

The Certificate of Insurance on the reverse side of this form does not constitute a contract between the issuing insurer(s), authorized representative or producer, and the certificate holder, nor does it affirmatively or negatively amend, extend or alter the coverage afforded by the policies listed thereon.

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

Request for Quotation

RFQ NUMBER	PAGE
DEFK11024	1

ADDRESS CORRESPONDENCE TO ATTENTION OF:
TARA LYLE
304-558-2544

VENDOR
RFQ COPY
TYPE NAME/ADDRESS HERE

SHIP TO
DIV ENGINEERING & FACILITIES
ARMORY BOARD SECTION

1707 COONSKIN DRIVE
CHARLESTON, WV
25311-1099 304-341-6368

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
12/14/2010				

BID OPENING DATE: 01/25/2011 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	JB		906-00-00-001		

ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL

EXPRESSION OF INTEREST (EOI)

THE WEST VIRGINIA PURCHASING DIVISION, FOR THE AGENCY, DIVISION OF ENGINEERING & FACILITIES, WV ARMY NATIONAL GUARD, IS SOLICITING EXPRESSIONS OF INTEREST FOR PROFESSIONAL ARCHITECTURAL ENGINEERING DESIGN SERVICES FOR AN ACCESS ROAD, UTILITY UPGRADES AND ROUGH SITE GRADING TO THE CHARLESTON ARMORY COMPLEX, PER THE FOLLOWING BID REQUIREMENTS ADN THE ATTACHED SPECIFICATIONS.

BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THE STATE MAY DEEM THE CONTRACT NULL AND VOID, AND TERMINATE SUCH CONTRACT WITHOUT FURTHER ORDER.

CANCELLATION: THE DIRECTOR OF PURCHASING RESERVES THE RIGHT TO CANCEL THIS CONTRACT IMMEDIATELY UPON WRITTEN NOTICE TO THE VENDOR IF THE COMMODITIES AND/OR SERVICES SUPPLIED ARE OF AN INFERIOR QUALITY OR DO NOT CONFORM TO THE SPECIFICATIONS OF THE BID AND CONTRACT HEREIN.

TECHNICAL QUESTIONS CONCERNING THIS SOLICIIATION MUST BE SUBMITTED IN WRITING TO TARA LYLE VIA MAIL AT THE ADDRESS SHOWN IN THE BODY OF THIS EOI, VIA FAX AT 304-558-4115, OR VIA EMAIL AT TARA.L.LYLE@WV.GOV.

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
Dana L. Burns	(304) 342-1400	January 24, 2011

TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE
Vice President	31-1509066	

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

GENERAL TERMS & CONDITIONS
REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)

1. Awards will be made in the best interest of the State of West Virginia.

2. The State may accept or reject in part, or in whole, any bid.

3. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required $125 fee.

4. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods this Purchase Order/Contract becomes void and of no effect after June 30.

5. Payment may only be made after the delivery and acceptance of goods or services.

6. Interest may be paid for late payment in accordance with the ***West Virginia Code***.

7. Vendor preference will be granted upon written request in accordance with the ***West Virginia Code***.

8. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.

9. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.

10. The laws of the State of West Virginia and the ***Legislative Rules*** of the Purchasing Division shall govern the purchasing process.

11. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.

12. BANKRUPTCY: In the event the vendor/contractor files for bankruptcy protection, the State may deem this contract null and void, and terminate such contract without further order.

13. HIPAA BUSINESS ASSOCIATE ADDENDUM: The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, is available online at **www.state.wv.us/admin/purchase/vrc/hipaa.htm** and is hereby made part of the agreement. Provided that the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.

14. CONFIDENTIALITY: The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures, and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf.

15. LICENSING: Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, and the West Virginia Insurance Commission. The vendor must provide all necessary releases to obtain information to enable the director or spending unit to verify that the vendor is licensed and in good standing with the above entities.

16. ANTITRUST: In submitting a bid to any agency for the State of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the State of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the State of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership, or person or entity submitting a bid for the same material, supplies, equipment or services and is in all respects fair and without collusion or Fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

INSTRUCTIONS TO BIDDERS

1. Use the quotation forms provided by the Purchasing Division. Complete all sections of the quotation form.

2. Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as **EQUAL** to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.

3. Unit prices shall prevail in case of discrepancy. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.

4. All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications: Department of Administration, Purchasing Division, 2019 Washington Street East, P.O. Box 50130, Charleston, WV 25305-0130

5. Communication during the solicitation, bid, evaluation or award periods, except through the Purchasing Division, is strictly prohibited (W.Va. C.S.R. §148-1-6.6).

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

Request for Quotation

RFQ NUMBER	PAGE
DEFK11024	2

ADDRESS CORRESPONDENCE TO ATTENTION OF:
TARA LYLE
304-558-2544

VENDOR
RFQ COPY
TYPE NAME/ADDRESS HERE

SHIP TO
DIV ENGINEERING & FACILITIES
ARMORY BOARD SECTION

1707 COONSKIN DRIVE
CHARLESTON, WV
25311-1099 304-341-6368

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
12/14/2010				

BID OPENING DATE: 01/25/2011 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT

DEADLINE FOR ALL TECHNICAL QUESTIONS IS 01/06/2011 AT THE CLOSE OF BUSINESS. ANY TECHNICAL QUESTIONS RECEIVED WILL BE ANSWERED BY FORMAL ADDENDUM ISSUED BY THE PURCHASING DIVISION AFTER THE DEADLINE HAS LAPSED.

NOTICE

A SIGNED BID MUST BE SUBMITTED TO:

DEPARTMENT OF ADMINISTRATION
PURCHASING DIVISION
BUILDING 15
2019 WASHINGTON STREET, EAST
CHARLESTON, WV 25305-0130

THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:

SEALED BID

BUYER:----------TL/32----------

RFQ. NO.:----------DEFK11024----------

BID OPENING DATE:------01/25/2011----------

BID OPENING TIME:------1:30 PM----------

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
Dana L. Burns	(304) 342-1400	January 24, 2011

TITLE	FEIN	
Vice President	31-1509066	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

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

Request for Quotation

RFQ NUMBER	PAGE
DEFK11024	3

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304-558-2544

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25311-1099 304-341-6368

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12/14/2010				

BID OPENING DATE: 01/25/2011 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT

PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID:

(304) 343-9031

CONTACT PERSON (PLEASE PRINT CLEARLY):

Dana L. Burns

****** THIS IS THE END OF RFQ DEFK11024 ****** TOTAL:

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

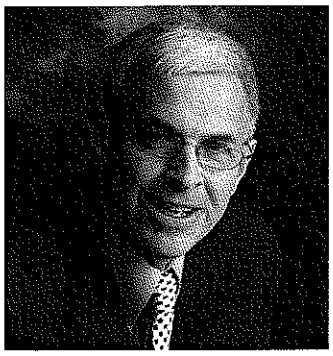
SIGNATURE	TELEPHONE	DATE
Dana L. Burns	(304) 342-1400	January 24, 2011

TITLE	FEIN	
Vice President	31-1509066	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

DANA L. BURNS, P.E.

Vice President



PROFESSIONAL REGISTRATION

Professional Engineer - West Virginia, Illinois

OSHA 40-Hour Health and Safety Training

EDUCATIONAL BACKGROUND

B.S. Civil Engineering, 1978
West Virginia University

M.S. Civil Engineering, 1979
West Virginia University

EMPLOYMENT HISTORY

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

PROFESSIONAL AFFILIATIONS

American Society of Civil Engineers
National Society of Professional Engineers
WV Association of Consulting Engineers

HONORS

Tau Beta Pi/Chi Epsilon

AREAS OF SPECIALIZATION

Management of design and permitting of civil, roadway, 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 roadway design and hydrologic and hydraulic analyses. Expert witness testimony.

PROFESSIONAL EXPERIENCE

- Managed design of numerous industrial access roads. Roadways were designed for the private sector. Design was coordinated with and approved by the West Virginia Division of Highways and roadways were accepted into the state transportation system.
  - Relocation of State Route 80 for construction of new elementary and high schools at Bradshaw in McDowell County, ZMM Architects.
  - Double C industrial park access road and County Route __ upgrade at Kenna, WV, Jackson County Development Authority and Double C Enterprises.
  - National Industrial Lumber access road, Amma, WV, Roane County Economic Development Authority.
  - Tucker County Industrial Park access road, Davis, WV, Tucker County Development Authority.
  - Luigino's access road, Parkersburg, WV, Wood County Development Authority.
  - Design of new entrance road to University of Charleston and redesign of MacCorkle Avenue (State Route 61) intersection/turn lanes, Charleston, WV, University of Charleston.
  - Entrance road, bus loop, and emergency exit roadway for new Sissonville Middle School, Sissonville, WV, N-Visions Architects.
  - Entrance road and bus loop for Trap Hill Middle School, Raleigh County, WV.

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

- Managed numerous projects performed for the WV Division of Highways under open-end agreements for:
  - Landslides and slope stability projects (currently in seventh year)
  - Surveying (currently in second year)
  - Asbestos services (currently in third year)

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

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

- Coordination for Environmental Impact Statement for Route 19 upgrade from Summersville to Interstate 79 in Braxton County and New River Parkway from Sandstone Falls on I-64 to near Athens on I-77.
  - West Virginia Division of Highways

- Subsurface investigations, subsidence monitoring, review of a coal reserve analysis, site plans, preblast/presubsidence surveys, hydrologic analyses, preparation of mining permits, and design and permitting of coal slurry impoundments for coal mining companies in West Virginia, Virginia, Kentucky, Ohio, and Maryland.
  - Peabody Coal Company
  - Eastern Associated Coal Company
  - Southern Ohio Coal Company
  - Island Creek Corporation
  - Massey Coal Services
  - Appalachian Mining Inc.
  - Oneida Coal Company
  - Old Ben Coal Company
  - Mettiki Coal Company

- Management of fly ash utilization permits for various coal companies.
  - Rawl Sales, Inc.
  - Elk Run Coal Company
  - Appalachian Mining, Inc.
  - Peerless Eagle Coal Company

- Managed subsurface investigation, foundation design and development of mine stabilization program for NASA's Independent Verification and Validation Center in Fairmont, WV.

- Management of pump tests.
  - Peabody Coal Company - Bim, WV
  - Southern Ohio Coal Company - Meigs County, Ohio
  - Rhone-Poulenc Ag Company - Institute, WV

- Management of certified emission statements for 11 coal preparation plants and air emission inventories for 8 coal preparation plants for submittal to the West Virginia Office of Air Quality.
  - Eastern Associated Coal Corp.

- Development of reclamation plans for more than 60 projects including landslides, mine fires, acid mine drainage, mine subsidence, refuse piles, water supply systems and asbestos abatement. Projects include the following:
  - Grass Run Refuse
  - Allen Sheridan Hazardous Facility (asbestos)
  - Elk City - Century - Volga Phase I/II Water Study
  - Camp Mohonegan Regrade
  - Comfort Run Coal Company (asbestos)
  - Allen AMD
  - Turner Douglas Complex
  - Buffalo Creek No. 5 Refuse
  - Dawmont Mine Facility
  - Helen (Lewis) Refuse
  - Upshur 10/15 Drainage
  - Phase I Water Studies Brooke and Fayette Counties
    - Gauley River PSD - Belva
    - Hammond PSD - Wellsburg
    - New Haven Chamber of Commerce - Hico
  - Mill Creek Regional Water Project Phase II Water Study (Boone, Lincoln and Logan Counties)
  - Godby Branch Phase II Water Study
  - Madison Street Portals/Fairview Route 218 Portals
  - Summerlee Refuse Pile (project won 1996 southern reclamation award)
  - Putnam County Phase I Water Studies
    - Heizer Creek
    - Manila Creek
  - Boone County Phase I Water Studies
    - Jeffery Area
      - Jeffery
      - Hewett Creek
      - Seacoal
    - Ottawa Area
      - Ottawa
      - Greenview
      - Missouri Fork
      - Meadow Fork
      - Aleshire Branch
      - Dent Fork
      - Mike's Fork
    - Duncan Hill Subsidence
    - Phase II Water Feasibility Studies: Logan County
      - Cow Creek
      - Crooked Creek
      - Upper Rum Creek
    - Cora Mine Drainage No. II
    - Covey Creek Mine Fire
    - Phase I Water Studies for Logan County
      - Pecks Mill - Godby Heights Communities
      - Cow Creek - Sarah Ann - Crystal Block Communities

- Upper Rum Creek Community
- Clothier Community
- Crooked Creek Community
- Godby Branch
- Whitman Creek - Holden Project

- Vivian Refuse Pile
- Kimball Refuse Pile (project won 1995 southern reclamation award)
- Hampden (Smith) Landslide
- Bear Run Refuse (project won 1994 Ducks Unlimited award)
- Beaver Creek Waterline Extension: Phase III Water Project
- Charleston (Ratcliffe) Landslide
- Garrison Complex
- Cassity Fork Water Supply Extension: Phase III Water Project
- Mulberry Fork (Stover) Landslide
- Beckley Subsidence
- Courtright Highwall
- Jonben (Haga) Subsidence
- Belle Landslide
- Holden (Padgett) Subsidence
- Minden Drilling
- Kitchen/Gibson Landslide
- Gray and Iaquinta Subsidence
- St. John's Road Subsidence
- High Coal Tipple
- Route 19/28 Subsidence
- Omar Refuse Pile (project won reclamation of the year award)
- Mt. Hope Subsidence
- Morgantown Airport Drainage/Subsidence
- Logan Drainage
- Huffman Street Subsidence
- Switzer Adams/Robinson Drainage
- Follansbee Drainage
- Fairmont East Subsidence
- Fairmont IV Subsidence
- Hawkins AMD
- Vargo Drainage
- Duck Creek Landslide
- Kistler Mine Fire
  - West Virginia Division of Energy and West Virginia Division of Environmental Protection
  - Ohio Department of Natural Resources

D. MARK KISER, P. E.

Chief Engineer, Licensed Remediation Specialist

PROFESSIONAL REGISTRATION

Professional Engineer, West Virginia
Licensed Remediation Specialist, West Virginia

PROFESSIONAL CERTIFICATION

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

EDUCATIONAL BACKGROUND

B.S. Civil Engineering, 1984
West Virginia University

EMPLOYMENT HISTORY

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

HONORS

Chi Epsilon
Tau Beta Pi
American Society of Military Engineers Scholarship

AREAS OF SPECIALIZATION

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 lands reclamation projects; sludge stabilization and basin/pond closure projects; environmental sampling and remedial programs; environmental permitting; hydrologic and hydraulic analyses; quality assurance/quality control monitoring.

PROFESSIONAL EXPERIENCE

- Final design and preparation of construction drawings, detailed technical specifications, and engineer's construction cost estimate for the construction of a 1.9-million gallon double-lined pond and 5 acres of a landfill liner system. This project included development of an ultimate facility layout plan, a two year detailed development plan, and construction monitoring. Project also included negotiations with regulatory agency to obtain approval of the permit.
  - Client Confidential

- Design; preparation of drawings, technical specifications, contractor's bid sheet, engineer's cost estimate, contract, and cap acceptability evaluation; evaluation of contractor bids, and construction monitoring associated with the capping and closure of a 2.5-acre cell of an industrial waste landfill facility. Cap included a multi-layer geocomposite system to minimize infiltration and the production and leachate to improve the areas groundwater quality.
  - Client Confidential

- Design; preparation of drawings, technical specifications, and contract/bid documents; construction monitoring; air monitoring; sludge sampling; and analysis; review and approval of a detailed health and safety plan; permitting; and other miscellaneous engineering services for the stabilization and closure of a 3-acre sludge basin and a 1-acre sludge pond. The project included management of a pilot-scale demonstration, procurement of stabilization reagents from multiple providers, and development of an adjacent soil borrow area.
  - Client Confidential

- Response to regulatory agency review comments and redesign of a pond liner system and piggyback landfill liner system for a 20-acre landfill in West Virginia.
  - Client Confidential

- Consulting regarding the design of a final cover/cap for an industrial waste landfill located in West Virginia.

- DuPont Environmental Remediation Services

- Project manager/engineer for independent quality assurance/quality control monitoring associated with closure of a three acre SWMU consisting of a waste impoundment. Project included construction of an earthen buttress to improve slope stability, in-place waste stabilization using fly ash and kiln dust, and construction of a RCRA cap. Responsible for field design revisions to overcome problems, conformance testing, and preparation of certifications and a summary report. Project included sampling and analysis of raw and stabilized sludge.
  - American Cyanamid Company

- Field (construction) monitoring for development of a residual waste landfill including compaction testing for heavy earth moving, synthetic (PVC) liner installation, concrete testing, and other miscellaneous testing.
  - Pennsylvania Electric Company

- Design and permitting for a proposed industrial solid waste landfill. Project included complete hydrogeologic evaluation including several borings and installation of seven monitoring wells; documentation of soils, geology, water quality and hydrogeology; detailed site design of leachate ponds, liner system, stormwater collection system, access road, and capping/closure system. Multi-volume permit application prepared including Operations Manual, Quality Assurance/Quality Control Plan, Technical Specifications, Permit Application, and Design Drawings.
  - Rhone-Poulenc Ag Company

- Leachate Minimization Study for a RCRA Hazardous Waste Landfill. Project included assessment of existing landfill operation and recommendations to reduce quantity of contaminated runoff from over 8 million gallons per year (MGY) to between 2 and 3 MGY. Detailed staging and operating plan, stormwater management plan, and cost estimates prepared.
  - Rhone-Poulenc Ag Company

- Closure plan and permit application for closure of a three acre surface impoundment containing sludge and tar. Stability concerns for an existing embankment containing the waste lead to the development of a lightweight cap. Subsurface investigation and field surveying completed. Closure application as required by the West Virginia Division of Environmental Protection provided.
  - American Cyanamid Company

- Evaluation of an emergency fly ash pond for a chemical plant in Institute, West Virginia. Recommendations, including conceptual design drawings and an engineer's cost estimate, to increase the settling efficiency of the pond. Special design elements, including a polymer feed system, submerged manifold pipe, splitter dike, and an overflow weir.
  - Rhone-Poulenc AG Company

- Engineer responsible for expansions, planning, and upgrades for the Monongalia County Sanitary Landfill from 1990 through 1992. Activities included three expansions (7 acres total) of the landfill liner and leachate collection system including grading, groundwater collection drains, landfill liner system and leachate drains, protective cover and surface drainage control; construction monitoring and certification of landfill expansions; construction of a 1.6 million gallon leachate storage basin including clay liner, double synthetic liner, synthetic drainage layer, protective cover, drainage control devices; annual landfill volume reports including surveyed cross sections; two borrow area investigations to identify clay liner sources; feasibility study for expansion and continued operation of the facility; and a final closure plan for the facility including a multi-layered cap and drainage control plan.

- 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.

- Storm water 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.

- Consulting and permitting for the development of seven coal-based synthetic fuel manufacturing plants in West Virginia, Indiana, Kentucky, and Illinois. Project included obtaining pre-construction and operating permits for air, water and mining for the manufacturing plants and the feedstock coal recovery operations. Assignments included permit application preparation, assistance in locating and evaluating coal feedstock sites, construction monitoring, Phase I environmental site assessments, and other miscellaneous engineering consulting functions.
  - Pace Carbon Fuels, L.L.C.

- Site reconnaissance, development of alternative capping/closure systems, and preparation of engineer's cost estimates for the closure of two West Virginia municipal waste landfills in support of rate making testimony and hearings.
  - West Virginia Public Service Commission

- Consultant for site development and construction of a fly ash disposal facility including a review of site operations, developing a maintenance program, compaction testing and review, and problem shooting.
  - Virginia Power Company

- Yearly construction designs for lined coal ash and coal refuse disposal sites at the Keystone and Conemaugh power stations, including a synthetic liner system, ground-water and surface-water control, leachate collection, landfill development, and haul road design. Construction quantity and cost estimates

and development of IBM-PC software for evaluating the storage capacity of the disposal sites.
  - Pennsylvania Electric Company

- Preparation of solid waste disposal permit applications for the Monroeville Landfill, Monroeville, Pennsylvania, and the Southern Alleghenies Landfill, Cambria County, Pennsylvania, both of which include a double synthetic liner system combined with a drainage net leak detection system to conform to Pennsylvania DER regulations.
  - Chambers Development Company

- Coordination of field activities associated with construction monitoring and laboratory testing for RCRA hazardous waste impoundment (the first permitted and constructed in EPA Region III) in Willow Island, West Virginia, including earth moving, construction of a soil-bentonite liner, monitoring of three, sealed double-ring infiltrometers, and construction of an HDPE double-lined impoundment.
  - American Cyanamid Company

- Responsible for hydrogeologic investigation and preparation of the WVDEP Part A Solid Waste Disposal Permit Application for the Sycamore Scenic Landfill in Putnam County, West Virginia. Work included coring, test pit, and laboratory analysis of soils; review of existing ground water data; and analysis and evaluation of data for completing the Part A Application.

- Responsible for detailed hydrogeologic investigation and preparation of a major portion of the WVDEP Part A Solid Waste Disposal Permit Application for the Northfork Landfill near Wheeling, West Virginia. Project included field reconnaissance and mapping of existing site conditions, rock corings, test pits, laboratory analysis of soils for potential construction materials, installation of four monitoring wells, and the corresponding analysis and evaluation of data for completing the Part A Application.

- Project manager/engineer for the West Virginia Division of Environmental Protection's landfill closure assistance program for 1993 through 1995. Responsible for conceptual design, field investigation, construction drawings, specifications, permit applications, etc., for the following projects.
  - Wyoming County Landfill
  - Jackson County Landfill
  - Kanawha Western Landfill
  - Monongalia County Sanitary Landfill
  - Fayette County Landfill

- Quality assurance/quality control monitoring for closure of a 10-acre SWMU containing biological treatment sludge. The contents of the basin were stabilized by mechanical mixing. Activities included supervision of testing, data evaluation, and a revised interim grading and drainage plan. Report and certification provided for WVDEP-OWM.
  - Cytec Industries

- Closure plan and permit application for closure of a 5-acre industrial waste landfill. Steep slopes over a portion of the landfill necessitated the design of an innovative cap system and leachate collection system. Project also included closure and capping of a small pit containing tar residue.
  - Cytec Industries

- Project engineer/project manager for finalizing a permit application for the S&S Landfill near Clarksburg, West Virginia. Components of the plan included a detailed staging and closure plan to comply with sediment control and leachate storage requirements. Successfully represented the landfill in a permit appeal hearing before the Water Resources Board. Prepared two construction/bid packages for constructing the initial 10 acres of the landfill.
  - Eastern Environmental Services, Inc.

- Project engineer/project manager for the West Virginia Division of Environmental Protection's abandoned mine lands reclamation open-end contract from 1988 through 1995. Responsible for conceptual design, permit applications, etc. for the following projects.
  - Turner Douglas Complex
  - Omar Refuse Piles (project won reclamation of the year award)
  - Bear Run Refuse (project won 1994 Ducks Unlimited award)
  - Kimberly Refuse Pile (project won 1995 southern reclamation award)
  - Vivian Refuse Pile
  - Duncan Hill No. 1 and No. 2 Subsidence
  - Urso Subsidence
  - Summerlee Refuse Pile
  - Godby Branch Water Extension
  - Jonben Subsidence
  - Williamson (Elias) Landslide
  - Lefthand Fork Burning Refuse
  - Belle Landslide
  - Doug Gray Subsidence
  - Harris Acid Mine Drainage
  - Numerous Phase I and Phase II Water Quality Studies/Surveys

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

- Detailed design and preparation of construction drawings, specifications, contractor's bid sheet, and engineer's cost estimate for a half-mile water line extension to serve Beaver Creek near Junior in Randolph County.
  - WVDEP-AML

- Management of four Phase II water studies and five Phase I water studies to determine if water supplies had been affected by coal mining. Work included

resident interviews, mine map searches, area reconnaissance, obtaining water samples, reviewing water analysis data, preparing conceptual designs and associated costs and preparation of summary report.
  - WVDEP-AML

- Design for waterline extension projects including preparation of construction drawings, specifications, and engineer's cost estimates for the West Virginia Division of Environmental Protection, Office of Abandoned Mine Lands and Reclamation.
  - Cassity Fork Waterline
  - Beaver Creek Waterline Extension
  - Godby Branch Waterline Extension

- Soundings and sampling of 3 basins containing sludge. Two basins contained sludge from secondary biological treatment of industrial wastewater. One basin contained petroleum product sludges. Sludge quantities determined from soundings and cross sections prepared. Samples obtained for laboratory analysis.
  - Rhone-Poulenc Ag Company
  - Ashland Petroleum Company

- Closure of thirteen aboveground RCRA storage tanks. Closure services included review of agency approved closure plan to determine compliance items, visual inspection of tank interiors and earthen containment berm areas, review of rinsate analyses, review of soils testing analysis from berm areas, and preparation of closure documentation and certification.
  - Rhone-Poulenc AG Company
  - American Cyanamid Company

- Phase I environmental assessment for the West Virginia Regional Jail and Correctional Facility Authority to document potential liability for a potential regional jail site in Kanawha County, West Virginia. Activities included historic records search, interviews, and site reconnaissance with a report prepared documenting the findings.

- Geotechnical investigation for two proposed above-ground reinforced concrete tanks to serve as secondary wastewater treatment unit. Investigation included soil drilling, sampling, laboratory analysis for engineering properties, and analysis for contamination. Field survey completed to locate existing structures. Report prepared outlining soils/geology and foundation recommendations.
  - Rhone-Poulenc AG Company

- 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.
  - Massey Coal Services, Inc.

- 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. Results presented in a report.
  - Rhone-Poulenc AG Company

- 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. Involvement included responsibility for hazardous waste section and general data.
  - West Virginia Division of Highways

- Project manager/engineer for the preparation of coal ash utilization permits for West Virginia mining operations. Permits included placing ash in the embankment of refuse disposal sites and placing ash with spoil backfill.
  - Elk Run Coal Company
  - Appalachian Mining, Inc.
  - Peerless Eagle Coal Company
  - Rawl Sales and Processing Company

- Coal ash utilization study including five mining operations and four coal ash sources in Virginia and West Virginia. Study evaluated both surface and underground beneficial uses of ash to neutralize acidic drainage.
  - Eastern Associated Coal Corp.

- Project manager for in-house consulting services provided for environmental reports and permit applications for natural gas pipeline transmission projects.
  - Columbia Gas Transmission Corp.

- Numerous Phase I Environmental Site Assessments including reclamation liability assessments for mining and industrial properties in West Virginia and Kentucky.
  - Client Confidential

- Assistance with site design and engineer's construction cost estimate for the remedial design of a CERCLIS waste disposal facility.
  - Virginia Electric Power Company

- QA/QC monitoring oversight for a municipal waste landfill in Tazwell County, Virginia.
  - Tazwell County, Virginia

- 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.
  - Columbia Gas Transmission Corporation

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

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

- Business development, preparing proposals, and scheduling of staff for a 25-person office in Charleston, West Virginia.

- Cum Laude Graduate of Introduction to Professional Practice Course developed by Institute for Professional Practice. Topics included risk management, contract administration, communications, and other aspects associated with consulting and professional practice.

- 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.

- Completion of eight Phase I environmental site assessments for nursing and rehabilitation care facilities in West Virginia.
  - The Multicare Companies, Inc.

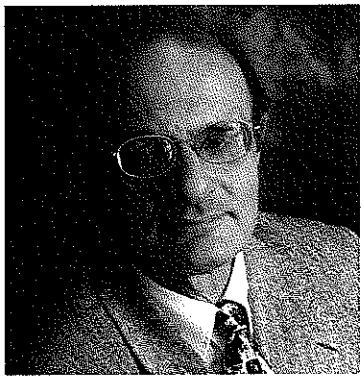
- Abandoned underground storage tank investigation including sampling of tank contents, geoprobe investigation, and field and laboratory analysis of soil samples.
  - Cannelton, Inc.

- Phase 2 environmental site assessment to characterize contamination at an abandoned mine facility. Concerns included underground storage tanks, extensive surface hydrocarbon contamination, PCBs, and asbestos concerns.

- Phase I environmental site assessment for property proposed for development as a strip mall.
  - DiMucci Development

VINCENT J. AMMIRATO, P. E.

Senior Engineer



PROFESSIONAL REGISTRATION/CERTIFICATION

Professional Engineer - West Virginia, Ohio, Pennsylvania, Virginia and Georgia

OSHA 30 Training

EDUCATIONAL BACKGROUND

B. S. Civil Engineering, 1970
Rose-Hulman Institute of Technology
Terra Haute, Indiana

EMPLOYMENT HISTORY

2000-Present	Potesta & Associates, Inc.
1973-2000	Columbia Gas Transmission Corporation
1969-1974	Consumers Power Company

AREAS OF SPECIALIZATION

Conceptual and final design of gas compressor and treatment plants, gas engine and dehydration emission control systems, environmental permitting and programs, Spill Prevention Control and Countermeasure (SPCC) Plans. Thirty years experience in the natural gas industry.

PROFESSIONAL EXPERIENCE

- Provided detailed engineering design for more than 20 natural gas compressor unit installations (additions and new station construction) including preparing scopes of work, construction estimates, equipment specifications and selection, site and plant layout. Responsibilities included all phases of planning, design, and project management. Designs were performed for engine/compressor unit cooling, lubrication, fuel gas, hydraulic, exhaust and air intake systems. Plant piping designs were performed for acoustic pulsation damping., vibration reduction and pipe flex analysis, flow and pressure drop calculations. Design calculations were performed for building and equipment foundations, structural steel and pressure piping and vessels. Equipment specifications and selection included heat exchanger, air intake and exhaust systems, main and auxiliary buildings, HVAC, control valves, air compressors and driers.

- Provided detailed engineering design for natural gas dehydration and treatment facilities. Responsibilities included equipment specification and selection, site planning, construction budgeting and scheduling.

- Permitted new and modified air sources in 14 states, including engines, turbines, heaters, generators, gas processing plants and emission control devices. Permits were for major and minor applications, PSD review, BAT, RACT, MACT and LEAR reviews and Title V. Also, responsibilities included preparing permit assessments allowing the operating company to install or modify equipment that would meet construction schedules and budgets.

- Installation of emission control equipment on existing natural gas compressor engines to comply with RACT requirements under Title I of the Clean Air Act Amendment of 1990. Project elements were determining regulatory requirements, determining existing equipment emission rates, obtaining air permits, and selecting and installing emission control equipment. Responsibilities included assessing all existing gas engines located in non-attainment areas, establishing and managing the program budget, working with state regulatory agencies, contracting and managing installation of equipment and compliance testing. This program resulted in installation of Nox emission control systems on 15 engines.

- Installation of emission control equipment on existing natural gas dehydration units to comply with MACT requirements under Title III of the Clean Air Act Amendment of 1990. Project Required evaluation of all dehydration plants in

the operation selection and construction of control equipment, obtaining air permits, establishing and managing a construction budget and schedule. Results of the program were installation of 20 systems for the control of hazardous air pollution.

- Developed an integrated environmental compliance management program for permit compliance, including testing, regulatory analysis, monitoring, record keeping, report writing, equipment and emission inventories and permit compliance testing. Additionally, a computer database program was developed to maintain and collect equipment specifications, operating and emission data and for notifying, tracking and reporting permit compliance tasks requirements for completion.

- Performed regulatory review of new and pending regulations with potential to affect the natural gas industry and developed an assessment of its impact on company operations. Significant amount of work was conducted on review of Nox and MACT emission control requirements. Work included preparing and submitting comments and meeting with state and federal regulatory agencies.

- Established a program for Columbia Gas to join USEPA's Natural Gas STAR program. This required developing, assessing and reporting on methods of achieving reductions of methane emissions. As a result of the effort, the USEPA selected Columbia as winner of the "Partner of the Year" award in its first year of participation.

- Evaluated underground and aboveground storage tanks for compliance with state and federal regulations and implementing corrective measures when needed. Project Scoipe covered inventorying and assessing over 2,400 tanks located in five states.

- Provided expert witness testimony involving foundation stability.

- Prepared hydraulic and hydrologic analysis and design for townhouse development in St. Albans, WV.

- Prepared hydraulic and hydrologic analysis for pending court case involving landslide damage to landowner's property.

- Hydraulic and hydrologic analysis for NPDES Permit for 327-acre site development required for a new highway and high school.

- Design of sanitary water system for recreational housing development and motel to be located in Tucker County, West Virginia.

- Prepare analysis of underground gasoline pipe failure for pending court case.

- Conduct Phase I Environmental Site Assessment for vacation home housing development in Greenbrier County.

- Prepared insurance damage assessment for medical office building resulting from a fire.

- Prepared insurance damage assessment for medical office building following a hot water boiler failure.

- Conducted a site assessment of a sports complex that was being purchased by a high school for use as a gymnasium.

- Prepared construction and right-of-way drawing in accordance with the West Virginia Division of Highways Standards and Specifications for 0.625 miles of access road for an industrial park located in Wood County, WV.

- Served as Project Manager for CQA of a sanitary landfill located in Brooke County, WV.

- Structural design for repair to retaining wall using rock tie-back anchors. A section of a 200-foot long steel soldier beam and concrete lagging retaining wall had exhibited signs of movement. A system of rock tie-back anchor was designed and installed to secure the wall.

- Project Manager/Project Engineer for wastewater projects involving evaluation of treatment systems, facility design, permitting and construction of sanitary wastewater collection and treatment systems, including pretreatment, wastewater treatment plants (WWTP), sludge management and effluent outfalls. Tasks included client/contract management, mapping development, hydraulic design, geotechnical investigations, site and facility layout, preparation of drawings, specifications, and cost estimates. Permitting activities included preparation of permit applications for West Virginia Department of Environmental Protection NPDES WWTP discharge and construction permits, State of West Virginia Office of Environmental Health Services, Public Lands Corporation, U.S. Army Corp of Engineers, West Virginia Department of Highways and Rail Road Crossing. Reviewed contractor submittals, and contractor pay requests and preparation of record drawings. Project specific details on wastewater projects are listed below:

  - Old Standard Subdivision – A new residential subdivision located in Jefferson County, West Virginia included 7,300 feet of force main and 4370 feet of gravity main, a WWTP and 1,380 feet of effluent line to an outfall at the Shenandoah River. The WWTP for this project is based on an activated sludge membrane bioreactor (MBR) process designed to meet Chesapeake Bay Standards. The plant is designed to treat a daily average flow of 50,000 gallons per day (gpd) and is expandable to 250,000 gpd.

  - Charles Town Races & Slots – A new WWTP to provide service at the race track and gaming facility in Jefferson County, West Virginia. The WWTP for this project is based on a sequencing batch reactors (SBR) process supplied by Aqua-Aerobics Systems, Inc. Tertiary filtration and chemical treatment (ferric chloride and polymer) is provided to meet Chesapeake Bay standards for nutrient removal. Initial design flow is for 250,000 gpd which is expandable to 325,000 gpd. An effluent line to an outfall to at Flowing Springs Run was provided from the WWTP.

- Highland Farms Subdivision – A new residential subdivision located in Jefferson County, West Virginia included 3,700 feet of gravity main, a WWTP and 1,091 feet of effluent line to an outfall at the Shenandoah River. The WWTP for this project is based on an activated sludge membrane bioreactor (MBR) process designed to meet Chesapeake Bay Standards. The plant is designed to treat a daily average flow of 250,000 gpd and is expandable to 500,000 gpd.

- Tackley Mill Development – A new residential/commercial development located in Jefferson County, West Virginia including a WWTP and approximately 2.3 miles of effluent force main to an outfall on Elk Branch. The WWTP for this project is based on an activated sludge membrane bioreactor (MBR) process designed to meet Chesapeake Bay Standards. The plant is designed to treat a daily average flow of 706,000 gpd and is capable of being expanded to 1,000,000 gpd. The WWTP will be constructed in phases of 250,000 gpd, 500,000 gpd and 706,000 gpd.

- Coolfont Village Development – A new residential/commercial development located in Morgan County, West Virginia including a WWTP and approximately 106 feet of effluent gravity main to an outfall on Sir John's Run. The WWTP for this project is based on an activated sludge membrane bioreactor (MBR) process designed to meet Chesapeake Bay Standards. The plant is designed to treat a daily average flow of 440,000 gpd. The WWTP will be constructed in phases of 100,000 gpd, 250,000 gpd and 440,000 gpd.

• Developed, prepared and certified over 100 Spill Prevention Containment and Countermeasure Plan for the following industrial sectors:

  - Natural Gas Compressor Stations
  - Natural Gas Storage Fields
  - Bulk Oil Storage Facilities
  - Coal Mining Operations
  - Coal Processing Facilities
  - Wood Processing Operations
  - Industrial Manufacturing Plants
  - Asphalt Batch Plants

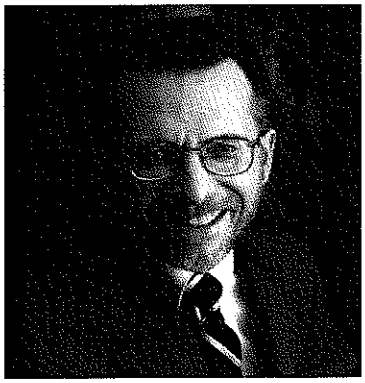
• Project Manager/Project Engineer for site development plans for public housing complexes for the Charleston Housing Authority in Charleston, West Virginia. The project involved preparation of site grading plans, storm water management, retaining walls, utility plans and profiles, access roadway, construction drawings and specifications. Housing complexes developed include:

  - Renaissance Townhomes
  - Patrick Street
  - Jarrett Terrace
  - Orchard Manor

- Project Manager/Project Engineer for site development plans for three new residence halls and a new dining hall for Marshall University in Huntington, West Virginia. The project involved preparation of site grading plans, storm water management, utility plans and profiles, construction drawings and specifications.

WILLIAM F. DRINKARD, III, P. E.

Senior Engineer I



PROFESSIONAL REGISTRATION

Professional Engineer - West Virginia
Professional Surveyor - West Virginia

CERTIFICATIONS

Nuclear Density Gauge Operator
Foreman Certification - Coal
Coal Refuse Impoundment Inspector and Instructor
Certified Welder

EDUCATION

M. S. EnvironmentalEngineering, Marshall University, 2003

M.B.A. Masters Business Administration, 1981, Marshall University

B. S. Mining Engineering, 1980 Virginia Tech

EMPLOYMENT HISTORY

2000-Present Potesta & Associates, Inc.
1995-2000 Massey Coal Company
Marfork Coal Company
Massey Coal Services
Elk Run Coal Company
1994-1995 Mingo Logan Coal Company
1975-1994 Westmoreland Coal Company

AREAS OF SPECIALIZATION

Environmental permitting, hydrologic and hydraulic analysis, project management, impoundment design, site development, storm water management and surveying.

PROFESSIONAL EXPERIENCE

INDUSTRY:

- Coal industry construction project management experience:
  - Project manager for 15 deep mine face-up projects varying in size from 10,000 cubic yards to 500,000 cubic yards.
  - Major coal preparation plant upgrade: railroad loadout, railroad yard upgrade, coal preparation plant upgrade, two coal silo construction projects, coal screening and handling facility and conveyor belt system additions.
  - Approximately 20 pond construction projects.
  - Mine facility utility installations: power lines, water supply and treatment systems, sewage treatment systems, and communications.
  - Fifteen years experience as supervisor of construction crews and contractors working on field implementation of the following projects: surface drainage system construction and maintenance, numerous landslide remediation projects, mine subsidence remediation, surface mine reclamation, and road construction.
  - Start-up of the Brushy Fork Coal Refuse Impoundment.
- Management and preparation of environmental and health permits and responsibility for routine permit reporting requirements.
  - Hampton Division, Westmoreland Coal Company
  - Mingo Logan Coal Company
  - Marfork Coal Company, Massey Coal Company
  - Elk Run Coal Company, Massey Coal Company
- Responsible professional engineer for five coal refuse facilities.
  - Bean Hollow Refuse Facility, Westmoreland Coal Company
  - Ben Creek Slurry Impoundment, Mingo Logan Coal Company
  - Low Gap Refuse Facility, Marfork Coal Company
  - Brushy Fork Impoundment, Marfork Coal Company
  - Elk Run Coal Refuse Impoundment, Elk Run Coal Company

- Twenty years of coal industry experience in development of construction drawings, technical specifications, contractor's bid sheet, and engineer's cost estimate for a variety of construction projects, including all aspects of refuse impoundment facilities, pond construction, access and haul roads. Coal refuse related activities include: daily refuse placement, installation of internal drainage systems, haulroad construction and maintenance, surface drainage system construction and maintenance, contact for governmental regulatory agents, regulatory compliance activities, including paperwork and "on the ground" compliance. Responsible for management of daily surface surveying activities for coal industry engineering office.

- Responsible for daily supervision of work activities of Environmental Construction Crew, Westmoreland Coal Company. The Environmental Construction Crew completed all work associated with pond construction, road maintenance, drainage structure construction and maintenance, and a coal refuse disposal facility.

- Prepared for hearings and served as principal witness for two West Virginia Surface Mine Board hearings.

- Five years industrial engineering experience. This work included performance of underground and surface operation time studies, equipment downtime records and reporting, comprehensive underground mining operation evaluations, and preparation of in-depth capital improvement economic justifications.

- Participated in the Cooperative Education program while attending Virginia Tech. This work included working for Westmoreland Coal Company from 1975 through 1978 as an underground coal miner in the positions of general laborer and equipment operator. Upon graduation from Marshall University in 1981, I worked for twelve months as an underground Scoop Operator on an underground pillar section.

CONSULTING:

- Oversight of compaction compliance and permitting activities for the New West Hollow Coal Refuse Impoundment, Kanawha Eagle Coal Co.

- Oversight for the Elkem Metals Company L.P., Jarrett Branch Landfill. Responsibilities included preparation of permit modification, preparation of construction bid documents, and quality control monitoring and certification for a new cell installation.

- Oversight of routine maintenance for municipal landfill, Nicholas County Landfill, Nicholas County, West Virginia.

- Preparation of plans, specifications, and permits for site development for Trap Hill Middle School, Raleigh County, West Virginia.

- Preparation and review of Spill Prevention, Control and Countermeasure Plans (SPCC) for numerous coal industry sites, Go Mart, Inc., Columbia Gas Transmission Corporation, Flexsys America L.P. and BASF Corporation.

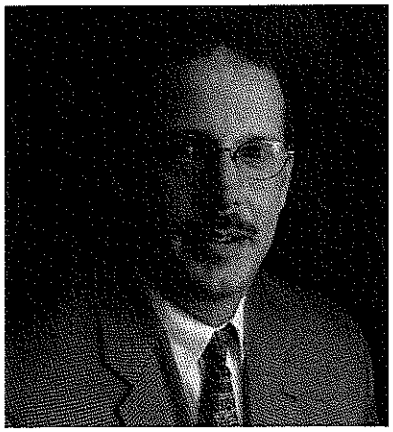
- Preparation of Phase I Environmental Site Assessment for Peabody Coal Company and Greer Limestone.
- Preparation of Environmental Site Assessment for the 6,000 acre Chicopee Coal Company operation and for an underground injection well installation for Plum Creek Land Company.

- Preparation of a Risk Management Program plan for an ammonia tank installation.

- Expert witness for dispute regarding excessive sedimentation of a farm pond.

CHRISTOPHER A. GROSE

Senior Engineering Associate I, Licensed Remediation Specialist



PROFESSIONAL REGISTRATION/CERTIFICATION

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

EDUCATIONAL BACKGROUND

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

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

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 (summer)	Clint Bryan & Associates Architects

PROFESSIONAL AFFILIATIONS

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

AREAS OF SPECIALIZATION

Surface and subsurface hydrology and hydrogeology including contaminant transport and groundwater flow modeling. Hazardous waste remediation, including CERCLA/SARA, RI and FS report compilation. Geological and geotechnical aspects of the siting and design of municipal and industrial waste landfills, foundation recommendations and cut slope designs in soil and rock.

PROFESSIONAL EXPERIENCE

- Engineering design for the closure of a chemical waste landfill in Parkersburg, WV. Completion of a settlement analysis to determine the expected consolidation of waste during dewatering. Cover design incorporated a composite liner system with synthetic drains. The cap utilized synthetic reinforcement to minimize consolidation-induced stresses on the synthetic liner.
  - American Cyanamid

- Operation and maintenance of several groundwater remediation systems including pump and treat and sparge systems for a large chemical manufacturer in Nitro, West Virginia. The pump and treat technology is designed to recover kerosene in one instance and TCE in another. Both systems are safety oriented and are fully automatic. The sparge system is a study/field test to determine the impact that oxygen injection will have on the degradation of phenolic compounds existing in the groundwater.
  - Nitro, West Virginia

- Responsible for the design and implementation of drilling and sampling programs for several Phase I and Phase II environmental assessments.

- Permit completion for closure of a chemical sludge impoundment near Parkersburg, WV. Analysis of existing monitoring well configuration.
  - American Cyanamid

- Analysis and study of elevated levels or organic constituents and elevated pH values in existing monitoring wells. Study to determine if well construction techniques or development procedures contributed to the presence of these constituents.
  - Rhone Poulenc Ag Company

- Design and completion of several monitoring wells to monitor an abandoned fly ash disposal area. Included hydrologic analysis of site geology to determine major aquifers present in the area.
  - Union Carbide Corporation

- Completion of several groundwater contamination studies in West Virginia. Contaminates included diesel fuel, gasoline, chlorobenzene and benzene. Studies included field exploration utilizing various methods including air and mud rotary drilling. Responsible for the setup, calibration and analysis of groundwater computer models to lend insight into the flow regimes and dispersion characteristics of the potentially affected areas.

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

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

- Evaluation of numerous failed soil fill slopes to determine probable failure mechanisms in order to develop and remediation alternatives. Responsible for the development of regrading plans which included subsurface drains, benching schemes and toe buttresses.

- Design of final landfill closure for an abandoned solid waste facility for the WVDEP-Closure Assistance Program. Design included diversion and collection channels, cap design, leachate collection system and 150,000 gallon leachate storage tank.
  - Montgomery, WV

- Permit completion for a new municipal landfill, including design and construction of monitoring wells monitoring several aquifers.
  - North Fork Landfill, Wheeling, WV

- Part I permit completion, design and implementation of a drilling program, including evaluation of an existing monitoring well configuration. Testing of existing site soils for suitable liner material sources.
  - Sycamore Landfill, Hurricane, WV

- Completion of several Part I Solid Waste Facility permits including the design and implementation of drilling programs, formal geological studies, hydrogeological analysis of the proposed sites, and locations and development of upgradient and downgradient groundwater monitoring wells. Design, Construction, and development of seven monitoring wells for a proposed 13-acre industrial waste disposal facility near Institute, WV.
  - Rhone Poulenc Ag Company

- Responsible for the development and design of several interim or maintenance related items associated with drainage at the Monongalia County Landfill. Included the design and upgrade of both new and existing channels, diversions or berms to minimize surface water infiltration and minimizing the amount of leachate generation.
  - Morgantown, West Virginia
  - West Virginia Division of Environmental Protection

- Design, management and project oversight during construction for the closure of a 7-acre biological sludge pond in Nitro, West Virginia. Preliminary design studies included the completion of batch tests to evaluate stabilization materials. Also handled the development and submittal of several permits associated with the project including erosion and sediment control plan, Army Corps of Engineers permit and a wetland's investigation and nationwide 404 permit.
  - Nitro, West Virginia

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

- Underground storage tank contamination study in Jesse, WV. Delineation of a subsurface hydrocarbon contamination plume as well as possible flow directions to determine potential receptors.
  - West Virginia Division of Natural Resources

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

- Foundation design for a proposed 100,000 gallon potable water storage tank and valve pit near Cassidy, WV.
  - West Virginia Division of Environmental Protection

- Engineering evaluations, including collection and analysis of core samples, for possible subsidence-related fracturing of several areas potentially affected by mining subsidence.
  - West Virginia Division of Environmental Protection

- Evaluation of numerous groundwater monitoring wells to determine the direction of migration and the feasibility of utilizing them in a planned pump and treat recovery system. The site was an active compressor facility located in Eastern Kentucky.
  - Columbia Gas Transmission Corporation

- Subsidence evaluation and slope monitoring, using extensometers and tilt plates located on the slope face, of a 60-foot road cut experiencing subsidence-induced fracturing near Koppeston, WV.
  - Peabody Coal Company

- Engineering design of several wetland habitat areas relating to the effective remediation of a coal refuse disposal site in Glenville, WV.
  - West Virginia Division of Environmental Protection

- Completion of formal subsidence control plan for a proposed 14,000-acre longwall mining operation at the Mountaineer Mine, Wharncliff, WV.
  - Mingo Logan Coal Company

- Preparation of several article 3 surface mining permit applications for various West Virginia Coal Companies:
  - Proposed deep mine using longwall mining techniques in Boone County, West Virginia located in the Eagle coal seam.
    - Eastern Associated Coal Corporation
  - Deep mine using conventional mining techniques near Madison in Boone County, West Virginia. Located in the No. 2 Gas (Campbell Creek) coal seam.
    - Hobet Mining, Inc.
  - Deep mine using conventional mining techniques near Logan in Logan County, West Virginia. Located in the Alma coal seam.
    - Rum Creek Coal Sales
  - Surface mine using mountain top removal techniques near Twilight in Boone County, West Virginia. Located in the Coalburg and Lower Kittanning seams.
    - Eastern Associated Coal Corporation

- Completion of several environmental assessments for coal properties. Work included emphasis on both environmental and reclamation liabilities associated with pre and post SMCRA sites on the properties.
  - Massey Coal Services, Inc.
  - Eastern Associated Coal Corporation

- Preparation of Phase I, II and III water studies throughout the state of West Virginia for the West Virginia Division of Environmental Protection, AML section. Work items included interview of area residents to determine major quality and quantity problems, field and records research to determine the location of known pre-law mining activity which could potentially affect groundwater quality, collection of groundwater samples and design of water distribution facilities.

- 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.

- Preparation of several spill prevention control and countermeasure plans for gas storage well sites in Pennsylvania and West Virginia.
  - Columbia Gas Transmission Corporation

- Design of stream relocation plans including preparation and coordination of applicable environmental permits. The relocation was required due to an adjacent gas pipeline near the stream.
  - Columbia Gas Transmission Corporation

- Development of closure design for a 14-acre inactive waste water treatment pond. Responsibilities included evaluation of sludge stabilization technologies, types of reagent and mixing ratios to achieve the required in-place strengths. Conducted contractor interviews with the owner, as well as providing assistance to the owner during preparation of the construction contract. During construction, conducted weekly safety meetings on-site with the contractor. This project was also expanded to provide stabilization of a 1.5-acre digester basin adjacent to 14-acre pond. The original contract was extended to cover stabilization of this pond. Stabilization efforts included submittal of an Army Corps of Engineers' nationwide permit to stabilize the bank of the Kanawha River and application of a West Virginia NPDES General Stormwater Construction Permit.
  - Nitro, West Virginia

POTESTA & ASSOCIATES, INC.

Civil Engineering and Design

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

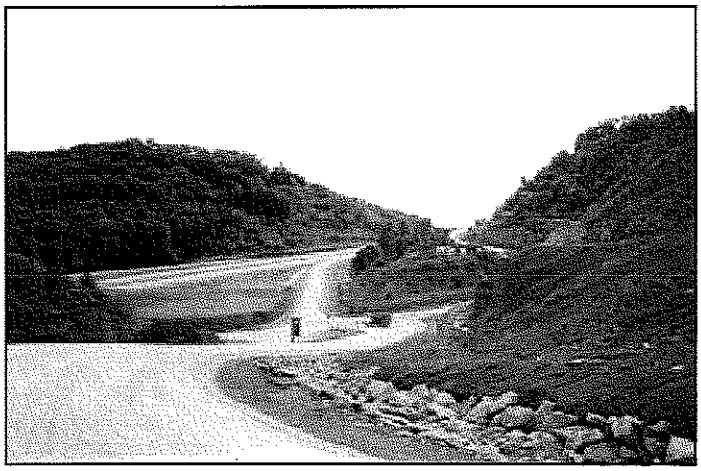
Our **design services** include:

- 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.



POTESTA

POTESTA & ASSOCIATES, INC.
7012 MacCorkle Avenue, S.E. • Charleston, West Virginia 25304
Phone: (304) 342-1400 Fax: (304) 343-9031 • www.potesta.com
Regional Offices: Morgantown, West Virginia and Winchester, Virginia

POTESTA & ASSOCIATES, INC.

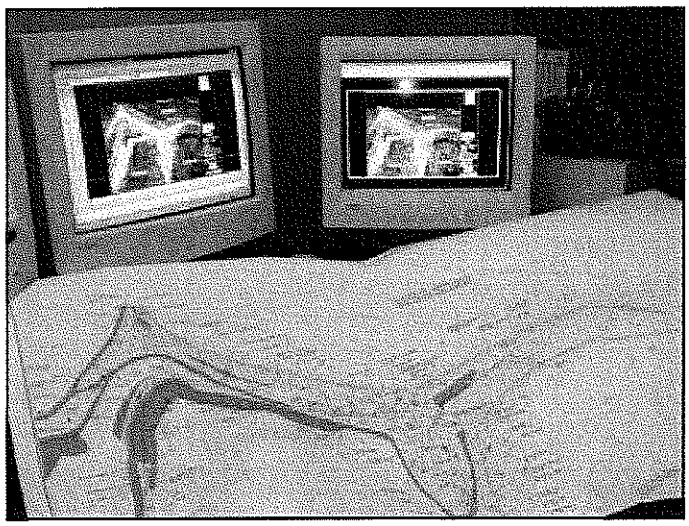
Computer Aided Drafting and Design

The Potesta & Associates, Inc. (POTESTA) computer-aided drafting and design (CADD) department provides state-of-the-art design and drafting services for in-house engineering and environmental consulting projects. We also provide personnel to clients who have a temporary need for additional drafting manpower. These services may be performed at your location or our office as required.

The CADD department utilizes the latest drafting/design software and computer hardware to maintain productivity at the high levels that clients demand and expect. We utilize AutoCAD, AutoCAD Land Development Desktop 3 civil/survey design software, and Microstation to prepare, revise, and manipulate drawings and engineering data efficiently. Drawings and figures are produced using a Hewlett Packard 1050c Plus color ink jet plotter. POTESTA's experienced and trained professionals allow clients' projects and assignments to be completed rapidly and at reasonable cost.

Our CADD services include:

- Survey data manipulation including development of topographic mapping, cross sections, profiles, isopach drawings, etc.
- Site design including grading plans, drainage plans, utilities plans, right-of-way plans, etc.
- Roadway design
- Water and sewer design
- Permit drawings, maps, and exhibits
- Earthwork and planimetric quantity development
- Two and three dimensional graphics



POTESTA

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Regional Offices: Morgantown, West Virginia and Winchester, Virginia

POTESTA & ASSOCIATES, INC.

Construction Monitoring

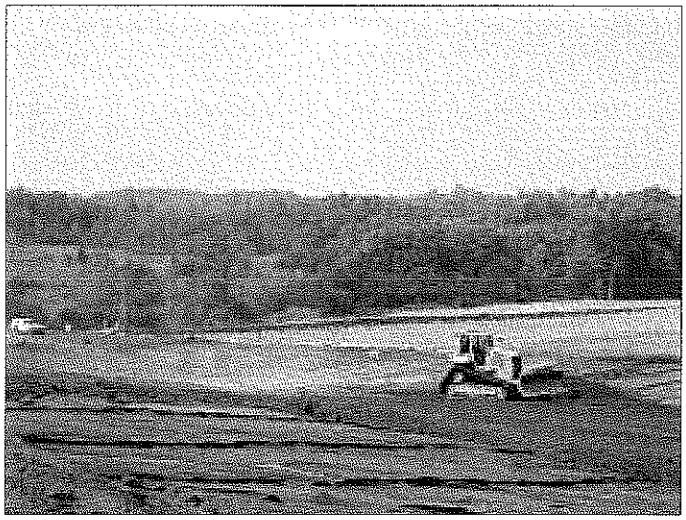
Potesta & Associates, Inc. (POTESTA) provides construction monitoring and construction management services to assist clients in achieving regulatory and contractual compliance; to document that contractor activities are in compliance with design requirements; and to serve as an extension of clients' 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

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Regional Offices: Morgantown, West Virginia and Winchester, Virginia

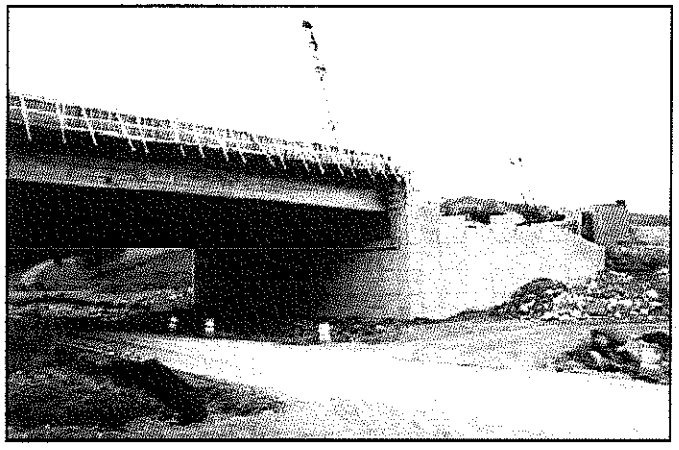
POTESTA & ASSOCIATES, INC.

Geotechnical Engineering

Potesta & Associates, Inc.'s (POTESTA) engineers and geologists have extensive experience related to the geotechnical engineering and geological disciplines. These areas include subsurface investigations, monitoring well and piezometer installations, foundation design recommendations, slope stability analysis, and remedial designs as they relate to construction, mining, waste disposal, environmental remediation, and other projects.

SUBSURFACE INVESTIGATIONS

POTESTA's diverse staff of engineers and geologists is experienced in the many different facets of subsurface investigations. Our usual procedure is to attend an initial meeting with the client to establish requirements and expectations, conduct a preliminary site reconnaissance, and develop a recommended exploration program for your review and approval. Supplemental information from the local area is then obtained from readily available sources to assist the engineer or geologist in making final recommendations.



POTESTA can provide field engineers and geologists who are knowledgeable using the latest technologies to assist in collecting and analyzing samples. Our knowledge of the proper procedures and familiarity with local conditions allows office and field personnel to adjust the investigative plan if unanticipated field conditions are found.

Our staff is familiar with the following items which can be associated with subsurface exploration:

- Drilling and Rock Coring Techniques (augers, rotary bits, Geoprobe™ , etc.)
- Sample Collection Methods (split spoons, shelby tubes, Geoprobe™ sleeves, etc.)
- Classification and Logging of Soil and Rock Samples
- Monitoring Well and Piezometer Installation

SLOPE STABILITY ANALYSIS AND REMEDIAL DESIGN

Slope stability is often a major concern during the design and construction phases of many projects, especially those located in the Appalachian terrain. POTESTA's engineers are familiar with the various methods utilized to predict slope stability and are capable of performing the related analyses. Slope stability is critical for many projects such as analysis of existing or proposed soil embankments, rock fills, dam analysis and design, landfill design and operation, estimating the causation of slope failure, and designing remedial measures. Analyses can involve circular or sliding block methods, interface friction angles, and estimation of the strength parameters of the soil or rock. Slope stability analyses are performed on one of the most technologically advanced computer programs available and can be modified using site specific data.

(see next page)

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POTESTA & ASSOCIATES, INC.

Site Design

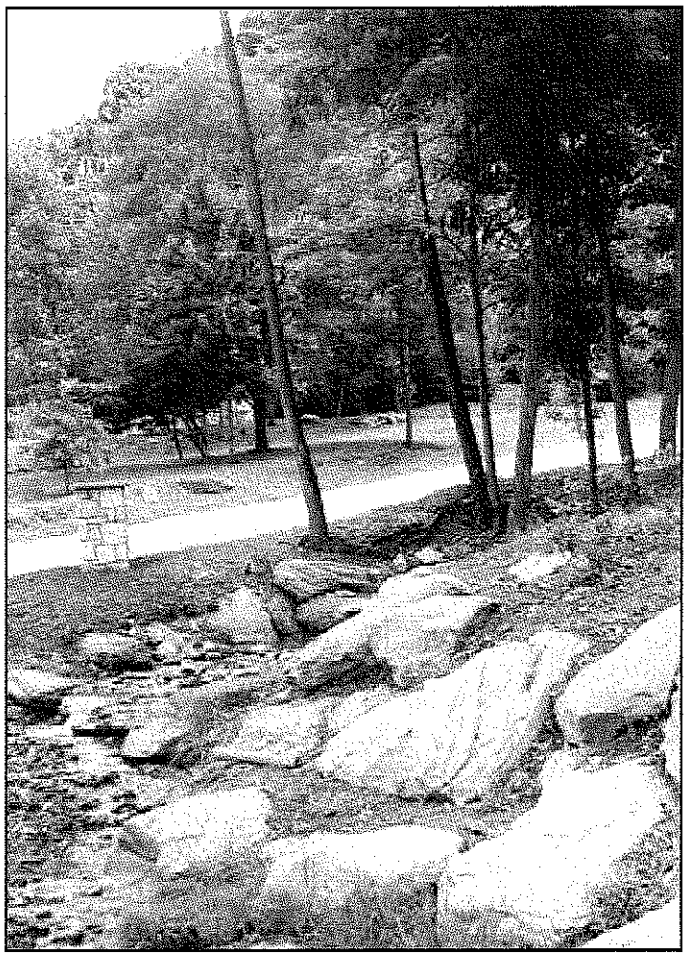
Potesta & Associates, Inc. has a significant body of work in site design for residential, commercial and industrial clients. Projects range from power plant siting to subdivision design. We have assisted numerous developers and development agencies with the creation of business industrial parks throughout West Virginia, and have been part of design teams for elementary, secondary and collegiate projects primarily associated with new building construction.

Our staff of civil, environmental, and geotechnical engineers; surveyors and environmental scientists can provide the following site planning and design services.

- Surveying - topo and boundary
- Base mapping from aerial photography
- Geotechnical engineering
- Land planning
- Environmental issues evaluation and mitigation
- Site grading
- Vehicular and pedestrian circulation
- Utility design
- Site features
- Stormwater management plans

Some clients who have used our site design services include:

- West Virginia Development Office
- Development Authorities: Tucker, Wood and Roane Counties
- Bright Enterprises
- BIDCO (Capital Area Development Corporation)
- University of Charleston
- Timberwolf Development Corporation
- West Virginia Department of Environmental Protection
- West Virginia Division of Natural Resources
- Marshall University
- Architects: Associated Architects, Bastian & Harris, Architects, SEM Partners



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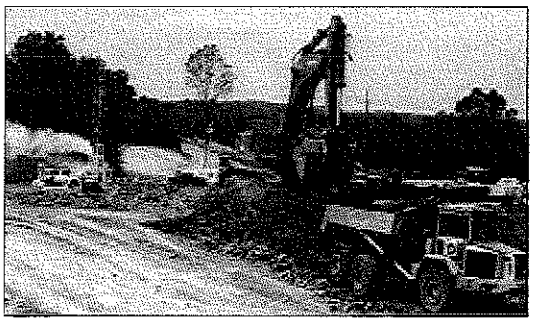
Project Abstract

COLDWATER CREEK DISTRIBUTION CENTER
ALSC Architects/Parkersburg-Wood County Area Development Corporation

Parkersburg, West Virginia

Aerial view of facility in late summer. The 8.5-acre distribution center under construction is located in the upper right corner with parking areas to the left. A 7.5-acre wetland mitigation area was designed and constructed between Interstate 77 and the new facility. Future expansion area was also brought up to grade allowing Coldwater Creek to potentially double their building size with minimal earthwork activities.

Potesta & Associates, Inc. (POTESTA) was retained by ALSC Architects and the Parkersburg/Wood County Area Development Corporation (PWCADC) to prepare a site preparation plan and perform permitting services for a new 8.5-acre distribution center. The proposed 65-acre site was located in Parkersburg, West Virginia and contained several difficult site constraints including moisture sensitive soils, wetlands, areas below the 100-year flood plain, relocation of high voltage power lines, springs and perched groundwater conditions. In addition, the construction schedule required ground breaking in early winter. POTESTA designed and bid the project in six weeks and construction started in early January. The building pad was completed by March and the remainder of construction by July. The project, in general, involved clearing and grubbing, approximately 350,000 cubic yards of excavation, an extensive stormwater collection and detention system, a constructed wetland and other miscellaneous improvements. The project was completed below the engineer's cost estimate and within the project budget allotted by PWCADC. In fact, POTESTA's engineer's estimate was within 4 percent of the average of all bids received for the project.



Excavation was performed with a variety of excavators, articulated trucks and large bulldozers. POTESTA's earthwork estimate was within 2 percent of actual excavation based on field cross sections, and resulted in a balanced site.

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Project Abstract

COPPER BEECH STUDENT HOUSING
Copper Beech Townhome Communities, LLC

Morgantown, West Virginia

Potesta & Associates, Inc. (POTESTA) was retained by Copper Beech Townhome Communities, LLC to prepare design plans and specifications for a proposed 40-acre student housing development, containing 31 proposed residential buildings, clubhouse, and parking. The project consisted of various constraints, such as a West Virginia County highway bordering the north side of the site, existing townhome development to the south, and an existing perennial stream bisecting the project. Also to be considered were related wetlands and ephemeral/intermittent stream channels.

In addition, many of the natural slopes on the project site in areas not affected by the stream/wetlands were two horizontal to one vertical.

POTESTA's work began with an existing layout provided by a previous design firm and moved through conceptual layout and grading activities to reduce impacts to the existing stream and wetland areas. Roughly 11,250 linear feet of retaining walls ranging up to 50 feet in height were proposed to aid in the creation of proposed roadway, parking, or building locations, while remaining out of the environmentally sensitive areas. POTESTA performed a geotechnical evaluation of the site's subsurface conditions to gather information for use with various aspects of POTESTA's scope of work.

Specific services associated with POTESTA's scope include:

- Stream and wetland delineation and report
- U.S. Army Corps of Engineers (USACE) conceptual and compensatory mitigation plan
- USACE 404/WV State 401 Permit
- WV Department of Environmental Protection WV/NPDES construction storm water permit
- Preparation of construction drawings and technical specifications
- Geotechnical evaluation through field underground exploration and report
- Storm water design and incorporation into WV/NPDES Permit
- Utility coordination-including sewer main line relocations
- Bridge design coordination for project onsite crossing of stream
- Construction stakeout of retaining walls, roadways, buildings, utilities and curbing.
- Construction observation and soils testing for walls
- FEMA Letter of Map revision due to fill (LOMR-F)
- Flood Plain permit through Monongalia County Planning Commission

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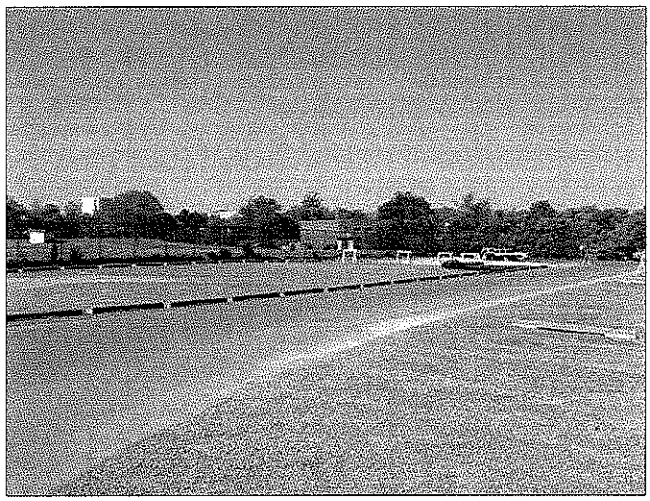
Project Abstract

EVANSDALE PARKING EXPANSION
West Virginia University

Morgantown, West Virginia

Potesta & Associates, Inc. (POTESTA) was retained by the West Virginia University Facilities Management Department (WVU) to provide civil engineering services relative to an approximately 105-space parking lot expansion along Birch Street at the University's Evansdale Campus. POTESTA received a preliminary parking layout as a beginning point, and then provided site surveying, limited geotechnical review (test pits), civil/site design, permitting services, and construction stakeout and observation. POTESTA prepared a storm water permit for submittal to the Morgantown Utility Board (MUB) for review and approval.



MUB provides storm water regulation for the watersheds within the city limits of Morgantown, as well as university properties. This permit involved the design and construction of underground storm water detention systems capable of controlling the project site's storm water to below pre-development flow rates for the two, ten, and 25-year design storms. The project was designed with sufficient flexibility for the project's storm water structures to be adequate if the parking area becomes paved in the future. WVU has not yet determined the long-term plan for the site, given its ongoing expansion at each campus and through the Morgantown area. The project was completed in fall 2005.

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Project Abstract

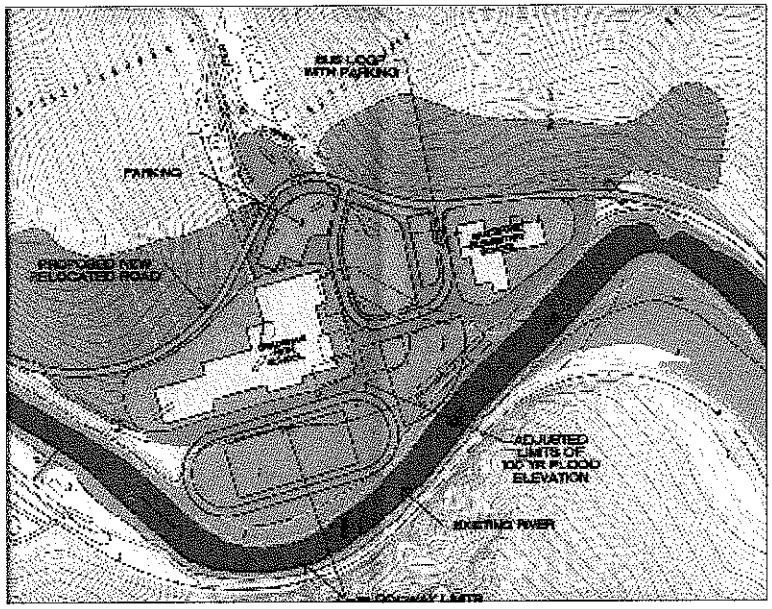
NEW ELEMENTARY AND HIGH SCHOOLS
ZMM, Inc.

Bradshaw, West Virginia

Potesta & Associates, Inc. (POTESTA) was retained by ZMM, Inc., a Charleston, West Virginia architectural firm whose client, the McDowell County Board of Education, is developing four new schools in McDowell County at a total cost of more than $50 million. POTESTA's project involves the site design and engineering for a new elementary school and new high school in Bradshaw, WV on the site of an existing elementary school.

Other significant elements of this challenging project will be the demolition of the existing elementary school and other structures in the area, relocation of approximately 2,000 linear feet of West Virginia Route 80, the relocation of approximately 1,000 linear feet of Oozley Branch, and the site development of the two schools, including the site layout of buildings, school access road, bus loop, parking, athletic fields and stadium and playground for the elementary school.

POTESTA will provide flood plain modeling of the site with the proposed development and prepare all the necessary federal and state permits for the site design.



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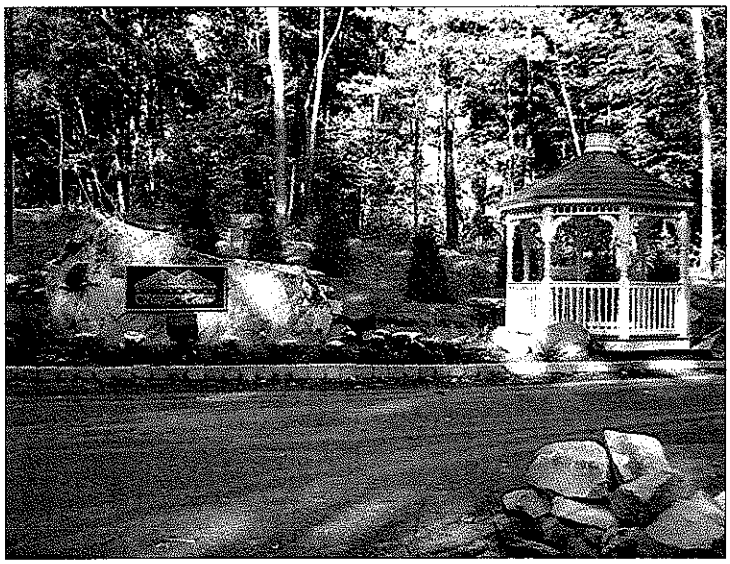
Project Abstract

THE VILLAGE AT SLEEPY HOLLOW
Roundtable Corporation

Morgantown, West Virginia

Potesta & Associates, Inc. (POTESTA) assisted the Roundtable Corporation with development of a 74-acre subdivision near Morgantown, West Virginia. The development consists of 15 home sites within Phase 1, along with 50 home sites through additional phases and potential future development remaining.

POTESTA participated in the pre-project planning phase and coordinated efforts with the project's landscape architect. POTESTA completed an alternatives analysis and a socio-economic justification and worked with the West Virginia Department of Environmental Protection to obtain approval to install a wastewater collection and treatment system. POTESTA prepared NPDES construction storm water permit applications and an encroachment permit application for the West Virginia Division of Highways. POTESTA prepared construction drawings including bidding and contract documents. Design work included 6,000 feet of storm sewer, stormwater retention systems, roadway design and utilities, including 6,000 feet of sanitary sewer lines.



POTESTA performed surveying associated with boundaries, lot layout, roadway staking and merging aerial topographic mapping with property lines.

POTESTA also performed construction observation services and the coordination of and placement of the wastewater treatment plant.

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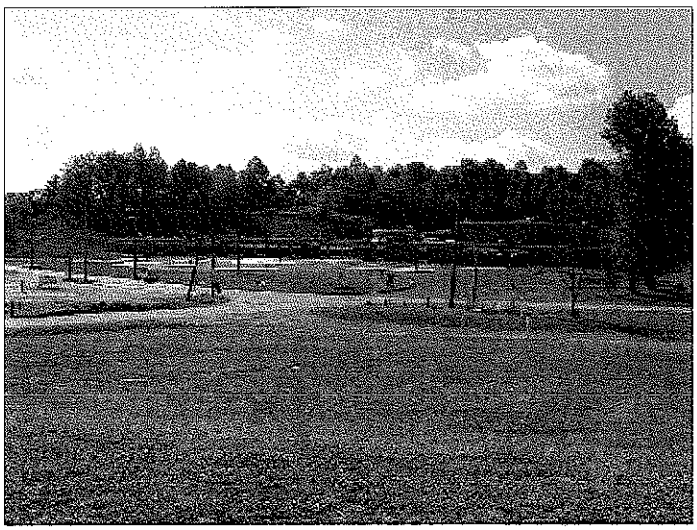
Project Abstract

TRAP HILL MIDDLE SCHOOL

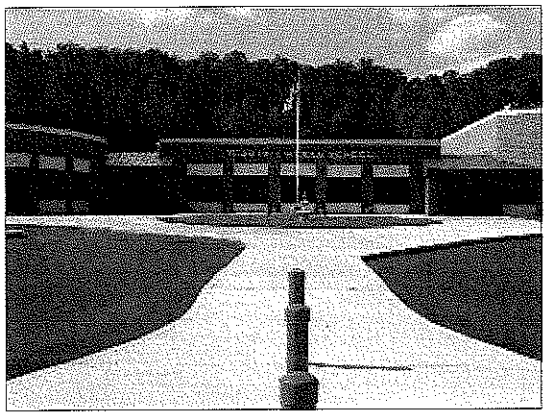
SEM Partners

Daniels, West Virginia

Potesta & Associates, Inc. (POTESTA) was retained by SEM Partners, the architect for the new school, to provide environmental review, survey, site design and engineering for the school site. Analysis indicated there were wetlands on the property. After delineation by POTESTA and review by the West Virginia Department of Environmental Protection (WVDEP), it was concluded that the loss was insufficient to trigger further permitting and mitigation.



POTESTA prepared construction documents for the site development, including layout for roads, parking and adjoining play/field spaces, grading plan and site utilities. The sewer line required an on-site lift station, as well as coordination with CSX Transportation for both sewer and gas line crossings.



Sewer design was coordinated with the local public service district and the school's access road and bus loop were designated to meet WVDOH requirements for accepting the road into the state's system. POTESTA also prepared the WVDEP NPDES permit for sediment and erosion control.

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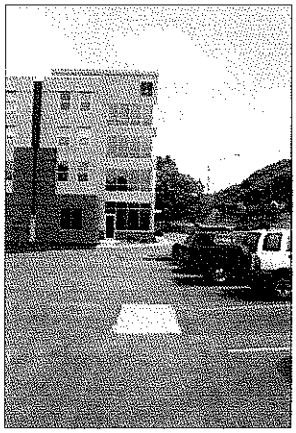
Project Abstract

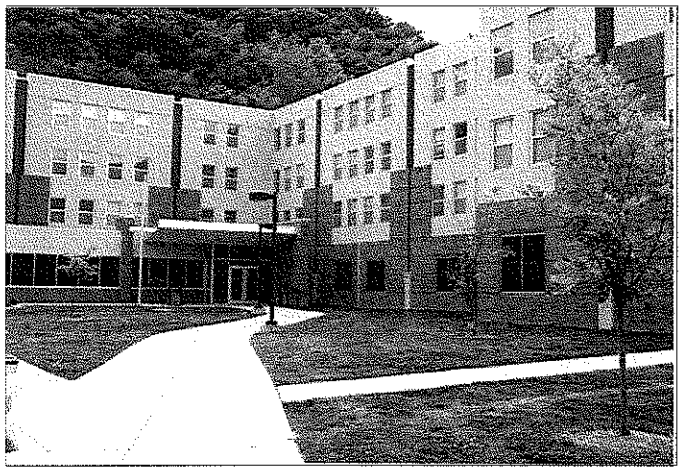
BROTHERTON RESIDENCE HALL
University of Charleston /Pray Construction Company

Charleston, West Virginia



With the University of Charleston's first residence hall construction in over three decades, the design/build team looked to Potesta & Associates, Inc. (POTESTA) to assist with the typical site-related design associated with new building construction, as well as the most difficult siting problems.

Because the residence hall was sited on the edge of the campus abutting both residential properties and MacCorkle Avenue, the desires of the adjoining homeowners weighed heavily in the design of the vehicular and pedestrian circulation for the hall. A design team of personnel from POTESTA and the architectural firm presented several alternate schemes to meet the concerns of both the University and nearby homeowners.



After reaching consensus with these two groups, POTESTA provided assistance which resulted in receiving a favorable review of the plans by the City Planning and Engineering Departments. POTESTA prepared construction documents for the site layout, grading, storm drainage and utility extensions for this four-story structure.

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Project Abstract

CHEAT LANDING AT COLE'S RUN

Blue Ridge Development Group

Monongalia County, West Virginia

Potesta & Associates, Inc. (POTESTA) was retained by the Blue Ridge Development Group to prepare design plans for Cheat Landing at Coles Run Development. The development consists of 55 single family homes, 25 multi-family homes and several commercial sites. Specific services include:

- Design of over 3,000 feet of storm sewer ranging in size from 12 inch diameter to 24 inch diameter.
- Design of sediment and erosion control plans throughout the site to include sediment traps and diversion ditches.
- Design of two stream crossings utilizing prefabricated bridge sections, including HEC- RAS analysis of an unnamed tributary..
- Grading of roadways throughout the development.
- Analysis of Cole's Run using HEC-RAS stream modeling to site proposed nearby homes.
- Coordination with various public utility agencies to provide sanitary sewer, water, electric, gas, phone and cable to the development.
- Performed wetland and stream delineation and obtained permit from U.S.Army Corps of Engineers for proposed impacts.
- Obtained storm water construction permit from West Virginia Department of Environmental Protection to address erosion and sediment control.
- Completed traffic impact analysis and design of two turn lanes into the development. Also coordinated a State Division of Highways development agreement executed by three parties.

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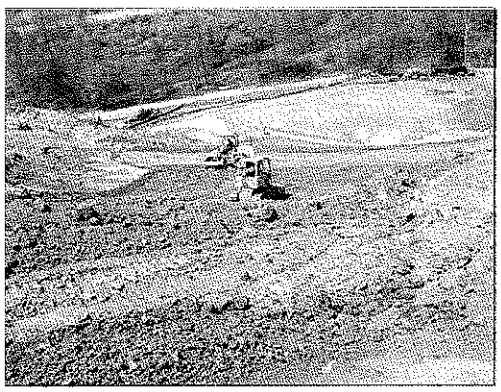
Project Abstract

KENNA RIDGE BUSINESS PARK

Double C Enterprises/Jackson County Development Authority

Kenna, West Virginia



Potesta & Associates, Inc. (POTESTA) was retained by Double C Enterprises and the Jackson County Development Authority to prepare a site development plan and to perform permitting, geotechnical design and construction survey stakeout services for an approximately 65-acre development near Kenna, West Virginia.

POTESTA prepared the topographic mapping for the project from ground survey information. The project included the design of four valley fills and a single side hill fill to accommodate approximately 740,000-cubic yards of excavated soil and rock.

The fill locations were evaluated for geotechnical stability following the completion of test pits and borings. Project staff completed environmental permitting for the project including the preparation and submittal of NPDES construction stormwater permits and U.S. Army Corps of Engineers Section 404 permits.

POTESTA also prepared access roadway plans for the business park entrance. This work was coordinated through the West Virginia Division of Highways to meet current design standards for the Jackson County Development Authority. POTESTA personnel provided daily construction observation of construction efforts involving survey stakeout, soil density testing and sediment pond installation.

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Project Abstract

SOUTH CHARLESTON CAMPUS PARKING AND VEHICLE CIRCULATION

Marshall University

South Charleston, West Virginia

Potesta & Associates, Inc. (POTESTA) was retained by Marshall University to examine vehicular circulation and parking around the university's South Charleston campus. The campus primarily serves a transient student body and is seeking to develop more on-site parking while improving some of the horizontal road alignment to allow for better flow of traffic.

POTESTA developed several alternatives and prepared cost opinions for construction of the various alternatives.

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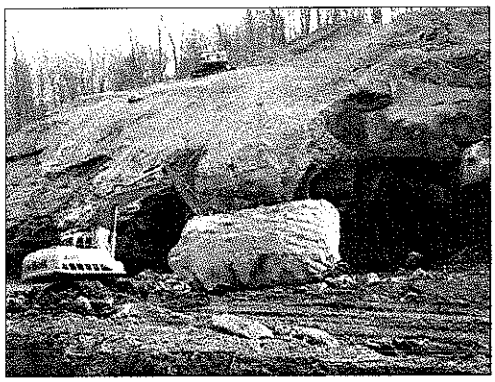
Project Abstract

SUMMIT AT CHEAT LAKE SUBDIVISION
Summit at Cheat Lake, LLC

Cheat Lake, Monongalia County, West Virginia



Potesta & Associates, Inc. (POTESTA) has been retained by the Summit at Cheat Lake, LLC for engineering consulting services relating to their 120-acre subdivision overlooking Cheat Lake near Morgantown, West Virginia. The project site varies in existing conditions, ranging from pasture to dense woods and with slope ranging from gentle to very steep near the lake. Other existing aspects of the site included areas of previous surface mine operations, deep mine workings, and a West Virginia Department of Environmental Protection-AML acid mine drainage treatment facility.

POTESTA completed an extensive drilling program to allow for preparation of a mine evaluation report which was used during the preliminary design process to determine project feasibility. This program utilized available deep mine maps to approximate locations for drilling and underground camera operations to estimate the potential for subsidence due to the undermined nature of portions of the site.

POTESTA developed a grout stabilization plan for several sections of the subdivision using the information gathered from the mine evaluation reports. The grouting provided stabilization for residential housing construction by **Heartland Homes**, a nationally acclaimed homebuilding company located near Pittsburgh, Pennsylvania. Several other areas of the subdivision also required stabilization as a result of the abandoned deep mining activities. This involved sections of the main access road into the development and other support areas.

POTESTA also developed plans to collect and transport acid mine drainage (AMD) runoff from the abandoned deep mining operations to an off-site location for final treatment. The plan required input and coordination with the West Virginia Department of Environmental Protection-Special Reclamation Division and the owner-developer of the subdivision.

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Project Abstract

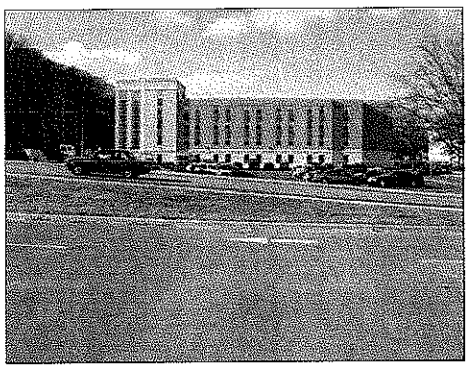
UNIVERSITY OF CHARLESTON NEW RESIDENCE HALL

BBL Carlton, LLC

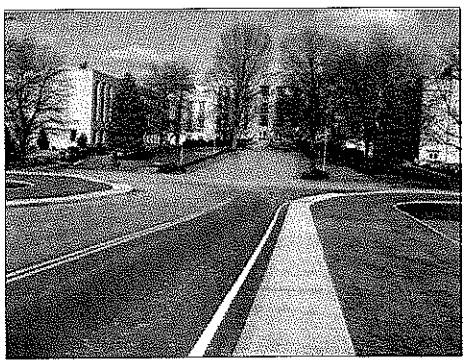
Charleston, West Virginia

The University of Charleston master plan recommended replacement of existing outdated dormitories with new facilities to attract more students to live on campus. The first new dormitory, Brotherton Hall, was completed in 1999. The second one, New Hall, was completed in January 2004. It is a 180-bed, four-story structure.

This project was a fast-tracked design-build project led by the building contractor, BBL Carlton, LLC. The contractor led the project team of architects, engineers and subcontractors in designing and building the structure in a little more than one year. Potesta & Associates, Inc. (POTESTA) provided surveying and civil engineering for the dormitory. Also as part of the building's construction, a new access road into the university had to be designed and built in accordance with the West Virginia Division of Highways' (WVDOH) specifications because the dormitory's location was within the existing access road.



The dormitory was constructed in two phases. The first phase broke ground in April 2003 with this construction completed on the first two floors for student occupancy by August 14, 2003. Also at that same time, the new access road and modifications to the MacCorkle Avenue (WV61) campus entrance had to be completed. POTESTA provided survey, design, permit preparation and construction document preparation in accordance with WVDOH standards for the access road and MacCorkle Avenue modifications.



As part of the second phase of dormitory construction, a new sanitary lift station was required to eliminate a long-term maintenance problem for the university which would have become acute without this facility. POTESTA, again as part of the design build team prepared flow monitoring information to the Charleston Sanitary Board, provided survey and prepared construction documents for this sanitary lift station. The project has met all its aggressive milestone dates on schedule and within the budget.

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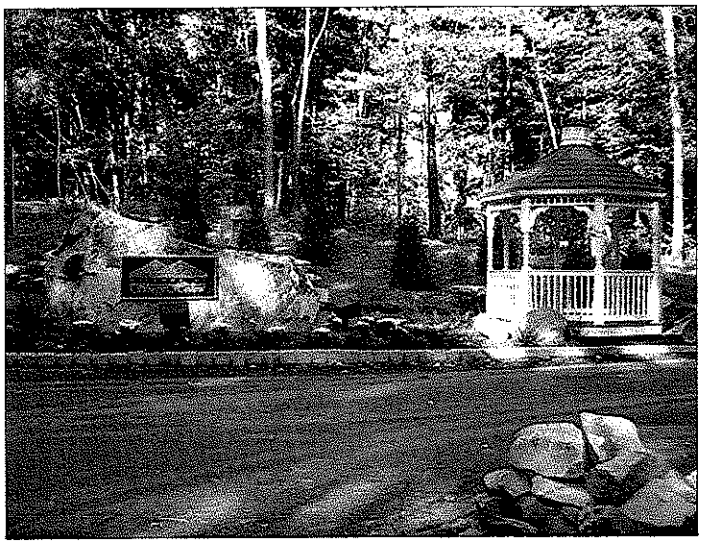
Project Abstract

THE VILLAGE AT SLEEPY HOLLOW
Roundtable Corporation

Morgantown, West Virginia

Potesta & Associates, Inc. (POTESTA) assisted the Roundtable Corporation with development of a 74-acre subdivision near Morgantown, West Virginia. The development will contain 68 single-family residences and 18 "patio home" residential structures.

POTESTA participated in the pre-project planning phase and coordinated efforts with the project's landscape architect. POTESTA completed an alternatives analysis and a socio-economic justification and worked with the West Virginia Department of Environmental Protection to obtain approval to install a wastewater collection and treatment system. POTESTA prepared NPDES construction storm water permit applications and an encroachment permit application for the West Virginia Division of Highways. POTESTA prepared construction documents for Phases 2 and 3, including bidding and contract documents. Design work included 6,000 feet of storm sewer, stormwater retention systems, roadway design and utilities, including 6,000 feet of sanitary sewer lines.



POTESTA performed surveying associated with boundaries, lot layout, roadway staking and merging aerial topographic mapping with property lines.

POTESTA also performed construction observation services and the coordination of and placement of the wastewater treatment plant.

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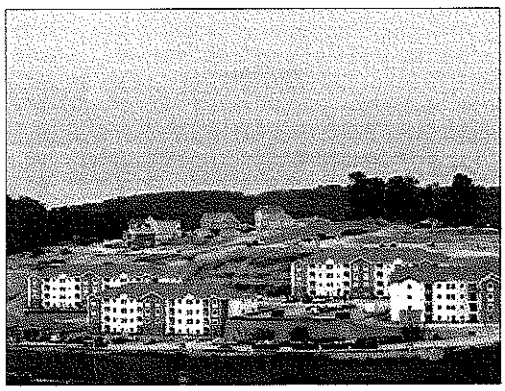
Project Abstract

WEST RUN STUDENT HOUSING
West Run Student Housing Associates, Inc.

Morgantown, West Virginia

Potesta & Associates, Inc. (POTESTA) was retained by West Run Student Housing Associates, Inc. of Pittsburgh, Pennsylvania to provide environmental consulting services as well as civil and geotechnical engineering for the West Run Student Housing project located at Morgantown, West Virginia. This proved to be a complex grading/site design project, as it involved 944 student beds in 17 buildings and more than 1,000 parking spaces, plus a clubhouse and basketball courts.

The site is approximately 20 acres in size and most of the property is on a natural 20 percent slope. POTESTA's services included roadway design and permitting, including upgrade of approximately 1/4 mile of a county road; storm water management and permitting, including conveyance systems, a storm water management pond and erosion and sediment control; and site design, including building placement and conceptual design of more than 50,000 square feet of segmental retaining walls. The site also includes a reinforced soil slope that reaches more than 35 feet in height and is more than 800 feet in length.



Other project services performed by POTESTA included a Phase I Environmental Site Assessment, and evaluation of a coal seam located on the property, geotechnical drilling and recommendations, an ALTA survey, preparation of contract and bidding documents, and construction administration.

The project design was completed on an accelerated schedule to allow the developer to secure financing and begin construction within a few months after receiving a purchase option on the project. The construction phase of the project has been sequenced to allow for occupancy of the first seven buildings within eight months after the contractor received notice to proceed.

The first phase of the project is to be completed in 2007, while the anticipated completion date is 2008.

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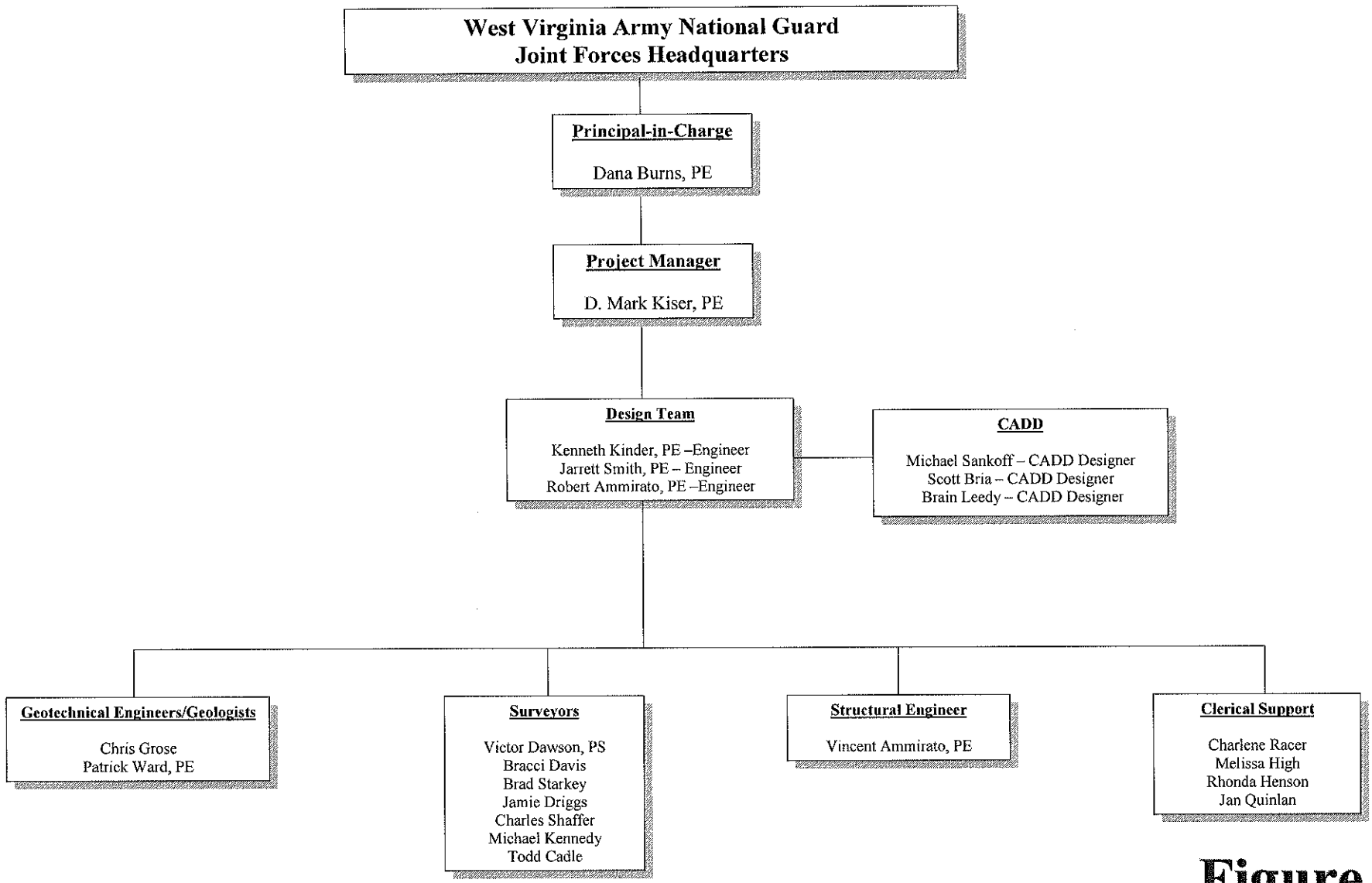
Project No. 0101-11-0013

January 24, 2011



Potesta & Associates, Inc.

Figure 1