



# TRANSMITTAL LETTER

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

To: Mr. Chuck Bowman  
WV Department of Environmental Protection  
Purchasing Division  
2019 Washington Street, East  
Charleston, West Virginia 25305-0130

Date: October 21, 2008  
Project No.: 0101-08-0542

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

Quantity	Description
2	Expression of Interest for Mapping Services for the Northern Counties of West Virginia, RFQ No. DEP14385 (One Original and One Copy)
1	CD of Expression of Interest for Mapping Services for the Northern Counties of West Virginia, RFQ No. DEP14385
<b>Remarks:</b>	

By: Dana L. Burns/clr

c: \_\_\_\_\_

**ORIGINAL**

**EXPRESSION OF INTEREST  
FOR MAPPING SERVICES FOR  
THE NORTHERN COUNTIES  
OF WEST VIRGINIA  
RFQ NO. DEP14385**

*Prepared for:*

**West Virginia Department of Environmental Protection**  
Office of Abandoned Mine Lands & Reclamation  
601 57<sup>th</sup> Street, SE  
Charleston, West Virginia 25304

*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. 0101-08-0542

**POTESTA**

## **WHY HIRE POTESA & ASSOCIATES, INC.?**

- ◆ **We provide timely and responsive services for a reasonable price.**
- ◆ **We are a West Virginia-owned and operated firm, located in nearby Charleston as well as Morgantown, West Virginia and Winchester, Virginia.**
- ◆ **We have surveyed sites throughout West Virginia including AML sites and understand the various issues that need assessed.**
- ◆ **Work completed within schedule and budget.**
- ◆ **We will listen to you!**
- ◆ **We want to continue to work with you!**

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**EXPRESSION OF INTEREST  
FOR MAPPING SERVICES FOR  
THE NORTHERN COUNTIES  
OF WEST VIRGINIA  
RFQ NO. DEP14385**

**1.0 INTRODUCTION**

Potesta & Associates, Inc. (POTESTA) is pleased with the opportunity to present our qualifications to provide professional services for the proposed West Virginia Department of Environmental Protection's (WVDEP) mapping project in the northern counties of West Virginia. We anticipate that required services may require conventional traverse surveying, GPS surveying, aerial photography and mapping.

**2.0 STATEMENT OF QUALIFICATIONS**

**2.1 Corporate Overview**

POTESTA is an engineering and environmental consulting firm located in Charleston, West Virginia providing professional services to deliver innovative, cost-effective solutions to complex problems. We have branch offices in Morgantown, West Virginia and Winchester, Virginia. Our firm is multi-disciplinary and has a diversified practice covering surveying, engineering (civil, chemical, environmental, geotechnical, and mining), landscape architecture, permitting, site characterization and remediation, and general environmental consulting. Services associated with surveying are an area of strength for POTESTA. We have worked on numerous large and small projects throughout West Virginia. Our two Licensed Land Surveyors have over 50 years of experience and our 13 registered professional engineers have over 150 years of experience among them. Both are supported by a large group of engineers, designers, and surveyors. POTESTA's large staff of over 100 engineers, surveyors, designers and support personnel will ensure that the project is adequately staffed with experienced design professionals.

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

We carry a full line of insurance coverage including general liability, errors and omissions and workers' compensation; Insurance and Workers' Compensation Certificates are included in Appendix A. Appendix B contains the executed Request for Quotation form and Purchasing Affidavit form, as well as the Vendor Preference Certificate and Bid Schedule. We use stringent

quality control procedures to provide our clients with quality projects. POTESTA offers the following professional services.

- ▶ Water/Wastewater Storage Tank Design
- ▶ Water/Wastewater Treatment Design
- ▶ Water Line Design
- ▶ Construction Monitoring/Administration
- ▶ Sanitary/Storm Sewer Separation
- ▶ Preparation of Construction Documents (Calculations Brief, Construction Drawings, Contractor's Bid Sheet, Engineer's Cost Estimate, QA/QC Manual and Technical Specifications)
- ▶ Surveying (Traditional and Global Positioning System)
- ▶ Subsurface Investigations
- ▶ Feasibility Studies
- ▶ 404 and 401 Permit Preparation and Negotiation
- ▶ PLC Permit Preparation and Negotiation
- ▶ Acid Mine Drainage Control
- ▶ Asbestos Inspection
- ▶ Benthic and Biological Studies
- ▶ CADD Services (AutoCAD 2002, Microstation, Various Software Design Packages, Digitizing and Plotting)
- ▶ Chemical Engineering
- ▶ Civil Engineering
- ▶ Clean Air Act Compliance
- ▶ Corporate Environmental Management
- ▶ Design of Slurry Impoundments and Refuse Disposal Sites
- ▶ Dewatering Plans
- ▶ Environmental Engineering
- ▶ Environmental Impact Studies
- ▶ Environmental Site Assessments
- ▶ Environmental Audits
- ▶ Erosion and Sedimentation Control Plans
- ▶ Expert Witness and Litigation Support
- ▶ Foundation Design
- ▶ Geological Services
- ▶ Geotechnical Engineering
- ▶ Ground and Surface Water Sampling
- ▶ Groundwater Investigation and Remediation
- ▶ Groundwater Protection Plans
- ▶ Hazardous Waste Management
- ▶ Hydrologic and Hydraulic Evaluations
- ▶ In-Situ and Ex-Situ Biostimulation/Bioaugmentation
- ▶ Landfill Design
- ▶ Landfill Closure Plans
- ▶ Mining Engineering
- ▶ Multimedia Sampling (Air, Fly Ash, Rock, Soil, Water)
- ▶ Permitting (Air, FERC, Fly Ash Haulback, Mining, NPDES, Quarry and Solid and Hazardous Waste)
- ▶ Pollution Prevention and Waste Minimization Planning
- ▶ Pre-Blast and Pre-Subsidence Surveys
- ▶ Reclamation Design and Planning
- ▶ Reclamation Liability Assessments
- ▶ Regulatory Liaison Services
- ▶ Risk-Based Environmental Assessment
- ▶ SARA Title III, TIER II and Form R Inventory and Reporting
- ▶ Site Characterization and Remediation Planning
- ▶ Site Design/Planning
- ▶ Spill Prevention Control and Countermeasure Plans
- ▶ Stabilization and Closure of Waste Impoundments
- ▶ Stormwater Management and Permitting
- ▶ Stream Benthic Macro-Invertebrate Surveys and Toxicity Evaluations
- ▶ Subsidence Studies
- ▶ Surface and Groundwater Monitoring, Statistical Analysis and Reporting
- ▶ UST Closure and Site Remediation
- ▶ UST Installation Monitoring
- ▶ Waste Facility Permitting and Design
- ▶ Waste Disposal Design
- ▶ Wetland Investigation and Delineation, Mitigation Design and Monitoring

POTESTA takes pride in our ability to provide clients with concise mapping in a timely manner that will allow more of your money to be spent on actual construction rather than surveying fees.

POTESTA will perform surveying required for this project using in-house personnel and subcontract aerial photography from Environmental Research, Inc. located in Linden, Virginia. POTESTA has two licensed professional surveyors. Our surveyors are experienced in all aspects of surveying, such as topographic mapping, boundary and property surveys, courthouse research, rights of way, and construction surveys for layout of work, record drawings, and quantity measurements.

The project manager will be responsible for monitoring the project budget. POTESTA's staff submits time sheets on a weekly basis. All charges including labor hours and other project expenses are compiled in our accounting center and distributed to the project manager during the following week. In this manner, the project manager can keep close track of costs. In addition, field representatives routinely keep track of subcontractor costs on a daily basis. Thus we can, in effect, keep track of the total project costs on a weekly basis.

## **2.2 Qualifications of Personnel Proposed for Project**

POTESTA's survey group is under the control and supervision of Mr. Dana Burns, PE, PS, Vice President. Mr. Burns has 29 years of experience in managing engineering and survey projects. As principal-in-charge, Mr. Burns will ensure that adequate numbers of experienced staff and the necessary equipment are available for the project.

Mr. Victor Dawson has more than 25 years of survey experience. He has extensive experience in performing and managing field surveys. His experience includes ground control surveys; field editing of topographic mapping; stakeout of borings, reference points, and right-of-ways; creation of topographic mapping from field survey; utility locations; as-built and record surveys; flood elevation surveys; ALTA surveys; boundary surveys; and other related items. Mr. Dawson has been involved in the majority of DOH roadway and bridge survey projects on which POTESTA has provided surveying services for the last five years.

Messrs. Brad Starky, Charles Shaffer, Bracci Davis, Jamie Driggs, and Michael Kennedy are survey crew chiefs for POTESTA. They have survey experience on roadway, bridge, site development, and utility projects. They are experienced with ground control surveys, development of topographic mapping, boring stakeout, centerline stakeout, utility locations, property boundary determination, setting reference points and benchmarks, and other related activities.

In addition, most of the above key survey staff have completed OSHA 40-hour HAZWOPER training allowing them to work on contaminated areas.

POTESTA currently operates three survey crews with the ability to operate five survey crews when necessary. Information on survey crew chiefs and key staff follows:

Name	Position	Years Experience	Registration
Dana Burns	Vice President	29	Professional Surveyor – WV (1414) Professional Engineer – WV (9859) and IL (062-048286)
Victor Dawson	Professional Surveyor/ Crew Chief	25	Professional Surveyor – WV (956), NC (L-3240), SC (14526)
Brad Starkey	Survey Coordinator	8	None
Bracci Davis	Survey Technician	9	None
Charles Shaffer	Crew Chief	10	None
Todd Cadle	Survey Technician	5	None
Michael Kennedy	Survey Technician	3	None
James Driggs	Crew Chief	15	None
Chris Lewis	Survey Technician	3	None
Robert Shirk	Survey Technician	1	None
David Allen	Survey Technician	1	None

Appendix E of this proposal includes resumes of key individuals who are anticipated to work on this project.

### 2.3 Experience in Surveying for This Type Project

POTESTA's staff have extensive experience in providing the services necessary for this project. Services being provided on these projects include conventional traverse and GPS surveying for developing mapping, ground control, boring location, utility location, structure location, cross sections, and boundary survey. POTESTA also has worked with Environmental Research, Inc. for aerial photography and mapping of sites.

Relevant examples of our work are as follows:

- ◆ Jessop Highwall: POTESTA was retained by the WVDEP, Office of Abandoned Mine Lands (AML) to create a mine closure plan, geotechnical exploration, drainage, and drainage structures for the 35-acre site. Surveying required for this project included aerial mapping with confirmation cross sections and location of borings, structures, and boundaries.



- ◆ Sundial AML: POTESTA was retained by the WVDEP, AML to create a mine closure plan, drainage, and drainage structures for the 100-acre site. Surveying required for this project included confirmation cross sections at 300-foot intervals down the mountain and location of borings, structures and boundaries.
- ◆ George's Creek (Lucas) Landslide Maintenance: POTESTA was retained by the WVDEP, AML to evaluate and perform geotechnical engineering services for a landslide related to historic mining activity. The surveying for this project included development of topographic mapping and location of borings.
- ◆ Williamson (Hatfield) Nursing Home Landslide Maintenance: POTESTA was retained by the WVDEP, AML to evaluate and perform geotechnical engineering services for a landslide at a former WVDEP reclamation site. The surveying for this project included development of topographic mapping and location of borings.
- ◆ Fleming Sanitary Landfill Site Characterization: POTESTA was retained by the WVDEP to complete a site characterization including surveying, subsurface investigation, water sampling, groundwater user survey, review of historical records, site reconnaissance, and development of a conceptual site closure plan. Surveying included ground control, aerial mapping, and location of borings, utilities, seeps, structures and boundaries.

Other example projects are presented in the project abstracts in Appendix D.

## **2.4 Similar Projects Currently Working On**

POTESTA is not working on AML surveying jobs at this time. This will allow POTESTA to place the most experienced AML surveyors on work that would be required by the WVDEP.

## **3.0 CLOSING**

POTESTA is excited about the possibility of working with the West Virginia Department of Environmental Protection on mapping projects located in the northern counties of West Virginia. POTESTA's staff of experienced surveyors will allow us to assemble an experienced project team and complete this project in a timely and efficient manner. 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. POTESTA is a West Virginia owned and operated firm.

We look forward to meeting with the West Virginia Department of Environmental Protection to better acquaint you with our qualifications and experience for the proposed projects.

# ACORD™ CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YY)

7/23/08

**PRODUCER**

Wells Fargo Ins. Services  
of West Virginia, Inc.  
P.O. Box 1551  
Charleston WV 25326-1551  
(304) 346-0611

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 Co of Amer
- COMPANY  
**B** Travelers Property Cas Ins Co
- COMPANY  
**C** Travelers Indemnity Company
- COMPANY  
**D** American Safety Indemnity Co

**INSURED**

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

**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 <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> OWNER'S & CONTRACTOR'S PROT	680-1672M318	3/07/08	3/07/09	GENERAL AGGREGATE \$ 2,000,000 PRODUCTS-COMP/OP AGG \$ 2,000,000 PERSONAL & ADV INJURY \$ 1,000,000 EACH OCCURRENCE \$ 1,000,000 FIRE DAMAGE (Any one fire) \$ 300,000 MED EXP (Any one person) \$ 5,000
B	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input checked="" type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS	8A-1603M466	3/07/08	3/07/09	COMBINED SINGLE LIMIT \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE \$
	GARAGE LIABILITY <input type="checkbox"/> ANY AUTO				AUTO ONLY - EA ACCIDENT \$ OTHER THAN AUTO ONLY: EACH ACCIDENT \$ AGGREGATE \$
C	EXCESS LIABILITY <input checked="" type="checkbox"/> UMBRELLA FORM <input type="checkbox"/> OTHER THAN UMBRELLA FORM	CUP-92714081	3/07/08	3/07/09	EACH OCCURRENCE \$ 3,000,000 AGGREGATE \$ 3,000,000
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY THE PROPRIETOR/PARTNERS/EXECUTIVE OFFICERS ARE: <input type="checkbox"/> INCL <input type="checkbox"/> EXCL	680-1672M318	3/07/08	3/07/09	<input checked="" type="checkbox"/> WC STATU- IORY LIMITS <input type="checkbox"/> OTH- ER EL EACH ACCIDENT \$ 1,000,000 EL DISEASE-POLICY LIMIT \$ 1,000,000 EL DISEASE-EA EMPLOYEE \$ 1,000,000
D	OTHER Professional Liability	PPL018828-0801	3/15/08	3/15/09	\$3,000,000 Professional Liability
D	Pollution Liability	PPL018828-0801	3/15/08	3/15/09	\$10,000 Each Wrongful Act \$3,000,000 Pollution Liability \$5000 Each Occurrence

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 30 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

## 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.



**PRODUCER:**

BrickStreet Mutual Insurance Company  
400 Quarrier Street  
Charleston, WV 25301

**CERTIFICATE HOLDER:**

POTESTA & ASSOCIATES INC  
7012 MACCORKLE AVE SE  
CHARLESTON, WEST VIRGINIA, 25304-0000

**INSURED:**

POTESTA & ASSOCIATES INC  
7012 MACCORKLE AVE SE  
CHARLESTON, WEST VIRGINIA, 25304-0000

## CERTIFICATE OF INSURANCE

The policy of insurance listed below has been issued to the insured named above for the policy period and coverage indicated. 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 policy below. Coverage is contingent on the insured's compliance with policy conditions and premium payment.

If the policy is canceled before the expiration date, BrickStreet Mutual Insurance Company will endeavor to mail a written notice to the certificate holder within 30 days of cancelation. Failure to mail the notice shall impose no obligation or liability of any kind upon BrickStreet Mutual Insurance Company.

**POLICY NUMBER: WC10013153-05**

**DATE CERTIFICATE ISSUED: 3-31-2008**

**POLICY EFFECTIVE DATE: 4-1-2008**

**EXPIRATION DATE: 4-1-2009**

### WORKERS COMPENSATION AND EMPLOYERS LIABILITY

#### LIMITS / COVERAGE

**WORKERS COMPENSATION - STATUTORY LIMITS**

**EMPLOYERS LIABILITY LIMITS:**

<b>BODILY INJURY BY ACCIDENT:</b>	<b>\$ 100,000.00</b>	<b>EACH ACCIDENT</b>
<b>BODILY INJURY BY DISEASE:</b>	<b>\$ 500,000.00</b>	<b>POLICY LIMIT</b>
<b>BODILY INJURY BY DISEASE:</b>	<b>\$ 100,000.00</b>	<b>EACH EMPLOYEE</b>

**WV BROAD FORM EMPLOYERS LIABILITY ENDORSEMENT -  
COVERAGE FOR WV CODE 23-4-2(d)(2)(ii)**

**FEDERAL COAL MINE HEALTH AND SAFETY ACT COVERAGE ENDORSEMENT -  
COVERAGE FOR WV CODE 23-4b-1 - FEDERAL BLACK LUNG COVERAGE**

**SPECIAL PROVISIONS IF ANY:**



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  
**DEP14385**

PAGE  
**1**

ADDRESS CORRESPONDENCE TO ATTENTION OF  
**CHUCK BOWMAN  
 304-558-2157**

**RFQ COPY**

**TYPE NAME/ADDRESS HERE**  
 Potesta & Associates, Inc.  
 7012 MacCorkle Avenue, SE  
 Charleston, WV 25304

**ENVIRONMENTAL PROTECTION  
 DEPARTMENT OF  
 OFFICE OF AML&R  
 601 57TH STREET SE  
 CHARLESTON, WV  
 25304 304-926-0499**

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
10/01/2008				

BID OPENING DATE: **10/21/2008** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	JB		962-52		
<p><b>MAPPING SERVICES FOR NORTHERN COUNTIES</b></p> <p>THE WEST VIRGINIA PURCHASING DIVISION, FOR THE AGENCY, THE WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION'S OFFICE OF ABANDONED MINE LANDS &amp; RECLAMATION, IS SOLICITING BIDS FROM INTERESTED VENDORS QUALIFIED TO PROVIDE MAPPING SERVICES IN THE NORTHERN COUNTIES OF WEST VIRGINIA PER THE FOLLOWING SPECIFICATIONS, TERMS &amp; CONDITIONS, BID REQUIREMENTS, SCOPE OF WORK, AND THE FOLLOWING BID SCHEDULE.</p> <p>THESE MAPPING SERVICES WILL RESULT IN THE DEVELOPMENT OF CONTRACT DOCUMENTS FOR DESIGN &amp; CONSTRUCTION PROJECTS THROUGHOUT THE NORTHERN COUNTIES OF WEST VIRGINIA INDICATED HEREIN.</p> <p>EXHIBIT 3</p> <p>LIFE OF CONTRACT: THIS CONTRACT BECOMES EFFECTIVE UPON AWARD AND EXTENDS FOR A PERIOD OF ONE (1) YEAR OR UNTIL SUCH "REASONABLE TIME" THEREAFTER AS IS NECESSARY TO OBTAIN A NEW CONTRACT OR RENEW THE ORIGINAL CONTRACT. THE "REASONABLE TIME" PERIOD SHALL NOT EXCEED TWELVE (12) MONTHS. DURING THIS "REASONABLE TIME" THE VENDOR MAY TERMINATE THIS CONTRACT FOR ANY REASON UPON GIVING THE DIRECTOR OF PURCHASING 30 DAYS WRITTEN NOTICE.</p> <p>UNLESS SPECIFIC PROVISIONS ARE STIPULATED ELSEWHERE IN THIS CONTRACT DOCUMENT, THE TERMS, CONDITIONS AND PRICING SET HEREIN ARE FIRM FOR THE LIFE OF THE</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Dana L. Burns</i>	TELEPHONE (304) 342-1400	DATE October 21, 2008
TITLE Vice President	FEIN 311509066	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

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**ENVIRONMENTAL PROTECTION**  
**DEPARTMENT OF**  
**OFFICE OF AML&R**  
**601 57TH STREET SE**  
**CHARLESTON, WV**  
**25304**      **304-926-0499**

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BID OPENING DATE: **10/21/2008**      BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
<p><b>CONTRACT.</b></p> <p><b>RENEWAL: THIS CONTRACT MAY BE RENEWED UPON THE MUTUAL WRITTEN CONSENT OF THE SPENDING UNIT AND VENDOR, SUBMITTED TO THE DIRECTOR OF PURCHASING THIRTY (30) DAYS PRIOR TO THE EXPIRATION DATE. SUCH RENEWAL SHALL BE IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF THE ORIGINAL CONTRACT AND SHALL BE LIMITED TO TWO (2) ONE (1) YEAR PERIODS.</b></p> <p><b>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.</b></p> <p><b>OPEN MARKET CLAUSE: THE DIRECTOR OF PURCHASING MAY AUTHORIZE A SPENDING UNIT TO PURCHASE ON THE OPEN MARKET, WITHOUT THE FILING OF A REQUISITION OR COST ESTIMATE, ITEMS SPECIFIED ON THIS CONTRACT FOR IMMEDIATE DELIVERY IN EMERGENCIES DUE TO UNFORESEEN CAUSES (INCLUDING BUT NOT LIMITED TO DELAYS IN TRANSPORTATION OR AN UNANTICIPATED INCREASE IN THE VOLUME OF WORK.)</b></p> <p><b>QUANTITIES: QUANTITIES LISTED IN THE REQUISITION ARE APPROXIMATIONS ONLY, BASED ON ESTIMATES SUPPLIED BY THE STATE SPENDING UNIT. IT IS UNDERSTOOD AND AGREED THAT THE CONTRACT SHALL COVER THE QUANTITIES ACTUALLY ORDERED FOR DELIVERY DURING THE TERM OF THE CONTRACT, WHETHER MORE OR LESS THAN THE QUANTITIES SHOWN.</b></p> <p><b>ORDERING PROCEDURE: SPENDING UNIT(S) SHALL ISSUE A WRITTEN STATE CONTRACT ORDER (FORM NUMBER WV-39) TO THE VENDOR FOR COMMODITIES COVERED BY THIS CONTRACT. THE ORIGINAL COPY OF THE WV-39 SHALL BE MAILED TO THE</b></p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Dana L. Burns</i>	TELEPHONE (304) 342-1400	DATE October 21, 2008
TITLE Vice President	FEIN 311509066	ADDRESS CHANGES TO BE NOTED ABOVE

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



State of West Virginia  
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 OFFICE OF AML&R  
 601 57TH STREET SE  
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 25304 304-926-0499**

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BID OPENING DATE: **10/21/2008** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>VENDOR AS AUTHORIZATION FOR SHIPMENT, A SECOND COPY MAILED TO THE PURCHASING DIVISION, AND A THIRD COPY RETAINED BY THE SPENDING UNIT.</p> <p>BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THIS CONTRACT IS AUTOMATICALLY NULL AND VOID, AND IS TERMINATED WITHOUT FURTHER ORDER.</p> <p>THE TERMS AND CONDITIONS CONTAINED IN THIS CONTRACT SHALL SUPERSEDE ANY AND ALL SUBSEQUENT TERMS AND CONDITIONS WHICH MAY APPEAR ON ANY ATTACHED PRINTED DOCUMENTS SUCH AS PRICE LISTS, ORDER FORMS, SALES AGREEMENTS OR MAINTENANCE AGREEMENTS, INCLUDING ANY ELECTRONIC MEDIUM SUCH AS CD-ROM.</p> <p>REV. 04/11/2001</p> <p>EXHIBIT 10</p> <p>REQUISITION NO.: DEP14385</p> <p>ADDENDUM ACKNOWLEDGEMENT</p> <p>I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.</p> <p>ADDENDUM NO.'S:</p> <p>NO. 1 .....</p> <p>NO. 2 .....</p> <p>NO. 3 .....</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Dana L. Burns</i>	TELEPHONE (304) 342-1400	DATE October 21, 2008
TITLE Vice President	FEIN 311509066	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  
**DEP14385**

PAGE  
**4**

ADDRESS CORRESPONDENCE TO ATTENTION OF  
**CHUCK BOWMAN**  
**304-558-2157**

**RFQ COPY**  
**TYPE NAME/ADDRESS HERE**

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

**ENVIRONMENTAL PROTECTION**  
**DEPARTMENT OF**  
**OFFICE OF AML&R**  
**601 57TH STREET SE**  
**CHARLESTON, WV**  
**25304**      **304-926-0499**

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
10/01/2008				

BID OPENING DATE: **10/21/2008**      BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
	NO. 4 .....					
	NO. 5 .....					
<p>I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF BIDS.</p> <p>VENDOR MUST CLEARLY UNDERSTAND THAT ANY VERBAL REPRESENTATION MADE OR ASSUMED TO BE MADE DURING ANY ORAL DISCUSSION HELD BETWEEN VENDOR'S REPRESENTATIVES AND ANY STATE PERSONNEL IS NOT BINDING. ONLY THE INFORMATION ISSUED IN WRITING AND ADDED TO THE SPECIFICATIONS BY AN OFFICIAL ADDENDUM IS BINDING.</p> <p style="text-align: right;">.....  <i>Dana L. Burns</i>            SIGNATURE</p> <p style="text-align: right;">.....            Potesta &amp; Associates, Inc..            COMPANY</p> <p style="text-align: right;">.....            October 21, 2008.....            DATE</p>						
<p>REV. 11/96</p> <p style="text-align: center;">NOTICE</p> <p>A SIGNED BID MUST BE SUBMITTED TO:</p> <p style="text-align: center;">DEPARTMENT OF ADMINISTRATION            PURCHASING DIVISION            BUILDING 15            2019 WASHINGTON STREET, EAST            CHARLESTON, WV 25305-0130</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Dana L. Burns</i>	TELEPHONE (304) 342-1400	DATE October 21, 2008
TITLE Vice President	FEIN 311509066	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  
 DEP14385

PAGE  
 5

ADDRESS CORRESPONDENCE TO ATTENTION OF  
 CHUCK BOWMAN  
 304-558-2157

**RFQ COPY**

**TYPE NAME/ADDRESS HERE**

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

VENDOR

ENVIRONMENTAL PROTECTION  
 DEPARTMENT OF  
 OFFICE OF AML&R  
 601 57TH STREET SE  
 CHARLESTON, WV  
 25304 304-926-0499

SHIP TO

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
10/01/2008				

BID OPENING DATE: 10/21/2008 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:</p> <p>SEALED BID</p> <p>BUYER: CB-23</p> <p>RFQ. NO.: DEP14385</p> <p>BID OPENING DATE: 10/21/2008</p> <p>BID OPENING TIME: 1:30 PM</p> <p>PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID:            --- (304) 343-9031 ---</p> <p>CONTACT PERSON (PLEASE PRINT CLEARLY):            --- Dana L. Burns ---</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Dana L. Burns</i>	TELEPHONE (304) 342-1400	DATE October 21, 2008
TITLE Vice President	FEIN 311509066	ADDRESS CHANGES TO BE NOTED ABOVE

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

STATE OF WEST VIRGINIA  
Purchasing Division**PURCHASING AFFIDAVIT****VENDOR OWING A DEBT TO THE STATE:**

**West Virginia Code §5A-3-10a** provides that: No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owed is an amount greater than one thousand dollars in the aggregate.

**PUBLIC IMPROVEMENT CONTRACTS & DRUG-FREE WORKPLACE ACT:**

**West Virginia Code §21-1D-5** provides that: Any solicitation for a public improvement construction contract shall require each vendor that submits a bid for the work to submit at the same time an affidavit that the vendor has a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the West Virginia Code. A public improvement construction contract may not be awarded to a vendor who does not have a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the West Virginia Code and who has not submitted that plan to the appropriate contracting authority in timely fashion. For a vendor who is a subcontractor, compliance with Section 5, Article 1D, Chapter 21 of the West Virginia Code may take place before their work on the public improvement is begun.

**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 materials, 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.

**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, West Virginia Insurance Commission, or any other state agencies or political subdivision. Furthermore, 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.

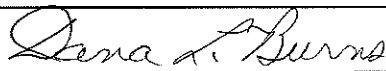
**CONFIDENTIALITY:**

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. Vendors should visit [www.state.wv.us/admin/purchase/privacy](http://www.state.wv.us/admin/purchase/privacy) for the Notice of Agency Confidentiality Policies.

Under penalty of law for false swearing (West Virginia Code §61-5-3), it is hereby certified that the vendor acknowledges the information in this said affidavit and is in compliance with the requirements as stated.

Vendor's Name: Potesta & Associates, Inc. - Dana L. Burns

Authorized Signature: \_\_\_\_\_

Date: October 21, 2008

Rev. 09/08

State of West Virginia  
**VENDOR PREFERENCE CERTIFICATE**

Certification and application\* is hereby made for Preference in accordance with *West Virginia Code*, §5A-3-37. (Does not apply to construction contracts). *West Virginia Code*, §5A-3-37, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the *West Virginia Code*. This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Resident Vendor Preference, if applicable.

1. **Application is made for 2.5% resident vendor preference for the reason checked:**  
 Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; or,  
 Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or 80% of the ownership interest of Bidder is held by another individual, partnership, association or corporation resident vendor who has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or,  
 Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; or,
2. **Application is made for 2.5% resident vendor preference for the reason checked:**  
 Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
3. **Application is made for 2.5% resident vendor preference for the reason checked:**  
 Bidder is a nonresident vendor employing a minimum of one hundred state residents or is a nonresident vendor with an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia employing a minimum of one hundred state residents who certifies that, during the life of the contract, on average at least 75% of the employees or Bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
4. **Application is made for 5% resident vendor preference for the reason checked:**  
 Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; or,
5. **Application is made for 3.5% resident vendor preference who is a veteran for the reason checked:**  
 Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; or,
6. **Application is made for 3.5% resident vendor preference who is a veteran for the reason checked:**  
 Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.

Bidder understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the requirements for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a penalty against such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency or deducted from any unpaid balance on the contract or purchase order.

By submission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and authorizes the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid the required business taxes, provided that such information does not contain the amounts of taxes paid nor any other information deemed by the Tax Commissioner to be confidential.

Under penalty of law for false swearing (*West Virginia Code*, §61-5-3), Bidder hereby certifies that this certificate is true and accurate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate changes during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.

Bidder: Potesta & Associates, Inc.

Signed: Dana L. Burns

Date: October 21, 2008

Title: Vice President

\*Check any combination of preference consideration(s) indicated above, which you are entitled to receive.

**RFQ# DEP14385****BID SCHEDULE**Company Name: Potesta & Associates, Inc.Address: 7012 MacCorkle Avenue, SECharleston, WV 25304

The DEP reserves the right to request additional information and supporting documentation regarding unit prices when the unit price appears to be unreasonable.

ITEM NO.	QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT
1.0	60	2-Man Surveying Crew (per hour)	\$ 85	\$ 5,100
2.0	20	3-Man Surveying Crew (per hour)	\$ 95	\$ 1,900
3.0	50	Aerial Photograph Production (per sheet)	\$ 1,000	\$ 5,000
4.0		Topographic Mapping from Aerial Photography (per acre)		
		(List only one rate for each category)		
	25	0-50 Acres	\$ 20	\$
	75	51-100 Acres	\$ 20	\$
	101	101 and Up Acres	\$ 20	\$
5.0		Professional Rates (Listed Disciplines Only) (per hour)		
	80	Licensed Land Surveyor	\$ 75	\$ 6,000
	30	CAD Operator	\$ 70	\$ 2,100
	30	Draftsperson	\$ 60	\$ 1,800
	8	Secretary	\$ 60	\$ 480
	8	Word Processor	\$ 50	\$ 400
6.0		Travel and Per Diem		
	7	Per Diem (Rate/Person/Day)	\$ 100	\$ 700
<b>TOTAL</b>				<b>\$</b>

\*Quantities listed for bid evaluation purposes only.

# POTESTA & ASSOCIATES, INC.

## *Surveying and Mapping*

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

POTESTA's surveyors use state-of-the-art equipment such as Topcon total stations, Trimble R-8 GNSS, and SMI Version 8 data collectors with SMI software. Reduction and design software used includes AutoCAD, Softdesk Civil/Survey design, Autodesk Land Design, Microstation, and InRoads design software.

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

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

photography.

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

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



applicable quality standards.

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



**POTESTA & ASSOCIATES, INC.**

7012 MacCorkle Avenue, S.E. • Charleston, West Virginia 25304

Phone: (304) 342-1400 Fax: (304) 343-9031 • [www.potesta.com](http://www.potesta.com)

Regional Offices: Morgantown, West Virginia and Winchester, Virginia

# POTESTA & ASSOCIATES, INC.

## *Computer Aided Drafting and Design*

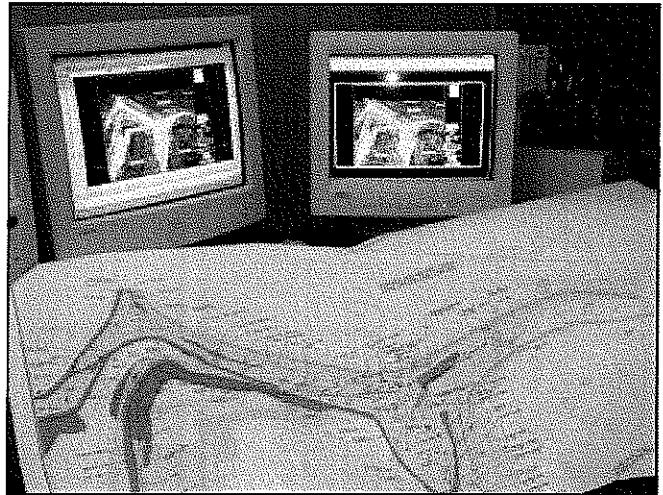
The Potesta & Associates, Inc. (POTESTA) computer-aided drafting and design (CADD) department provides state-of-the-art design and drafting services for in-house engineering and environmental consulting projects. We also provide personnel to clients who have a temporary need for additional drafting manpower. 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



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Regional Offices: Morgantown, West Virginia and Winchester, Virginia

*Project Abstract*

# FLEMING SANITARY LANDFILL SITE CHARACTERIZATION

West Virginia Department of Environmental Protection

*Sissonville, West Virginia*

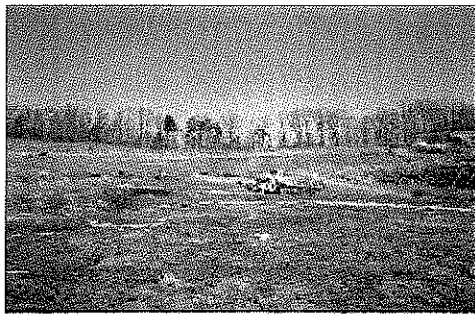
Potesta & Associates, Inc. (POTESTA) was retained by the West Virginia Division of Environmental Protection (WVDEP) to complete a site characterization for the Fleming Sanitary Landfill. The site characterization included surveying; subsurface investigation including auger and rock core borings; leachate and surface water sampling; groundwater user survey including sampling of water wells; review of historical records; site reconnaissance; assessment of the site's compliance with the Solid Waste Management Rules; and development of a conceptual closure plan.



*Portions of the landfill were steeply sloped which presented a challenge in designing the geosynthetic cap system.*

POTESTA completed surveying to edit existing historical topographic mapping to reflect earthwork completed after the mapping was developed. POTESTA also located test pits, borings, leachate seeps, existing structures, and the property boundaries of the landfill property.

Water sampling included establishment of upstream and downstream monitoring points, sample acquisition, and analysis to evaluate the landfill's impact upon receiving streams. POTESTA also obtained and analyzed leachate samples from numerous locations in order to evaluate and select appropriate leachate management strategies.



*Prior to capping, the landfill area was poorly vegetated and experienced much erosion.*

POTESTA performed a groundwater user survey for residents utilizing private water supplies within a 1-mile radius of the landfill. POTESTA selected ten representative residents to include in the survey, conducted interviews with these ten residents, sampled wells/springs, analyzed results, and prepared a report to assess impacts of the landfill on the private water supplies.

POTESTA excavated test pits on and around the landfill to determine soil cover thickness, to locate the edge of solid waste, and to evaluate potential soil borrow areas. Soil borrow area samples were tested for Standard Proctor, Atterberg limits, grain size, permeability, pH, and nutrients.

POTESTA completed a subsurface investigation including auger borings and rock coring to evaluate subsurface conditions at the landfill. POTESTA developed a conceptual closure plan for the site including upgrades of the existing sediment ponds, run-on and run-off control channels, leachate collection underdrains, proposed 200,000-gallon leachate storage tank, access roads, final cap and cover, and a sewer line to convey leachate to the Guthrie Public Service District wastewater treatment system.

**POTESTA & ASSOCIATES, INC.**

Charleston, WV • Morgantown, WV • Winchester, VA  
(304) 342-1400/[www.potesta.com](http://www.potesta.com)

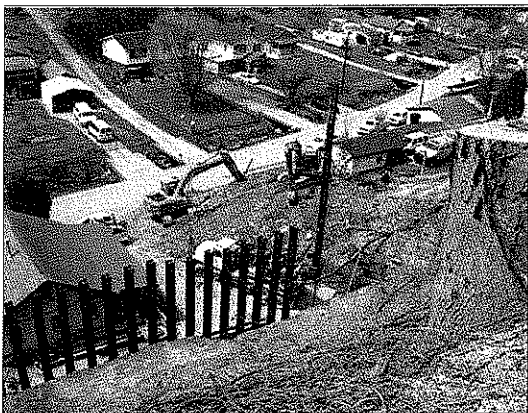
*Project Abstract*

# **GEORGE'S CREEK (LUCAS) LANDSLIDE MAINTENANCE**

## **West Virginia Department of Environmental Protection- Office of Abandoned Mine Lands**

### *Kanawha County, West Virginia*

POTESTA was retained by the West Virginia Department of Environmental Protection - Office of Abandoned Mine Lands (WVDEP) to evaluate and perform geotechnical engineering services for a landslide related to historic mining activity which was threatening a nearby residential structure.



A portion of the existing hillside immediately adjacent to the rear of the residential structure was excavated prior to construction of the structure to a near vertical slope exposing weathered shale and a coal seam near the slope's base. The exposed coal seam was determined to be the No. 2 Gas seam which was reportedly mined in the 1950s. Some drainage was noted flowing from the coal seam and the resulting water was conveyed through a nearby culvert to Georges Creek. Attempts were made by WVDEP to excavate loose rock and soil from the hillside in an effort to improve stability of the slope. Following this initial work the slope continued to slough with periodic small slides and slope

movement believed to be caused by continued subsidence of the underground mine works.

POTESTA performed a subsurface exploration to assist in evaluating the landslide condition, including the type and condition of the rock located in the slope as well as the attitude, thickness and condition of the underlying coal seam. POTESTA survey crews also completed a topographic survey of the affected area including the surrounding residential structure, drains and wooded hillside. The remedial measures to correct the landslide area included the design of a 25-foot high steel soldier beam and concrete lagging retaining wall with sloped, compacted backfill constructed from on-site materials. The retaining wall design required the application of a rock anchor tie-back system due to mine voids existing at the base of the hillside slope that were encountered during the subsurface exploration.

As part of the project, POTESTA assisted the WVDEP with contract administration and performed construction observation services during the construction phase.

**POTESTA & ASSOCIATES, INC.**  
Charleston, WV • Morgantown, WV • Winchester, VA  
(304) 342-1400/www.potesta.com



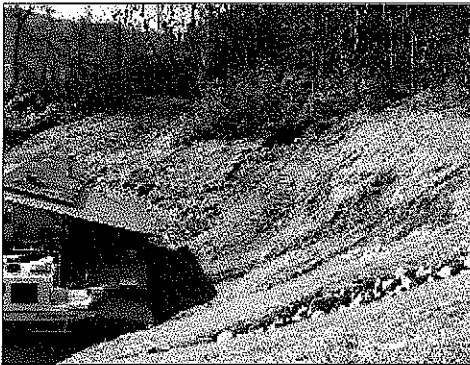
*Project Abstract*

# **WILLIAMSON (HATFIELD) NURSING HOME LANDSLIDE MAINTENANCE**

**West Virginia Department of Environmental Protection-  
Office of Abandoned Mine Lands**

*Williamson, West Virginia*

POTESTA was retained by the West Virginia Department of Environmental Protection - Office of Abandoned Mine Lands (WVDEP) to evaluate and perform geotechnical engineering services for a landslide below the parking lot of the Mingo Manor Nursing Home and above the Hatfield residence. The project area was the site of a former WVDEP reclamation project 15 years earlier. The previous project included regrading of the mine spoil that had been formerly disposed of in this area as well as drainage improvements.



A landslide occurred in the hillside in December 2003, threatening damage to the residence at the base of the hillside, as well as causing damage to the nursing home parking lot at the top of the hillside and potentially threatening damage to structures at the nursing home facility.

POTESTA performed a subsurface exploration to assist in evaluating the landslide condition. The remedial measures to correct the landslide area included the design of a 456-foot steel soldier beam and concrete lagging retaining wall. The retaining wall included a rock anchor tie-back system to minimize the potential for additional settlement of the nursing home parking lot area and potential future damage to the structures within the nursing home facility.



As part of the project, POTESTA assisted the WVDEP with contract administration and performed construction observation services during the construction phase of the project.

**POTESTA & ASSOCIATES, INC.**

Charleston, WV • Morgantown, WV • Winchester, VA  
(304) 342-1400/[www.potesta.com](http://www.potesta.com)

*Project Abstract*

# **MINE DRAINAGE TREATMENT SYSTEM**

## **Elk Run Coal Company**

*Boone County, West Virginia*

Potesta & Associates, Inc. (POTESTA) was retained by a large coal company to design a collection and treatment system for mine seeps from a previously reclaimed surface mine site. The mine seepage had levels of iron and manganese above allowable discharge levels, and the downstream area below the valley fill was limited in space available for treatment. POTESTA assisted the company in locating the problem seepage and designing a proposed treatment system. POTESTA's scope of work included:

- ▶ Field walkovers.
- ▶ Record and data reviews.
- ▶ Topographic surveying of the area proposed for the treatment system and location of the seeps.
- ▶ Measurement of seep flow rates.
- ▶ Detailed hydrologic and hydraulic modeling of the contributing watershed and anticipated base flow of mine seepage. Based on the initial calculations and space available on interconnected system of seven ponds was proposed. Interconnected pond hydraulic modeling was performed to determine the appropriate spillway sizes and estimated 100-year, 24-hour storm elevation.
- ▶ Excavation/grading plans for the seven pond systems including pond storage volumes and excavation quantities.
- ▶ Calculation of required liming rates to reduce iron and manganese to acceptable concentrations.
- ▶ Design of the pumping and piping network to collect the problem seepage and direct it to the proposed pond treatment system.

**POTESTA & ASSOCIATES, INC.**

Charleston, WV • Morgantown, WV • Winchester, VA  
(304) 342-1400/[www.potesta.com](http://www.potesta.com)

*Project Abstract*

# **RED JACKET REFUSE PILE CONSTRUCTION LAYOUT-AML RECLAMATION PROJECT**

**Thaxton Construction Company**

*Mingo County, West Virginia*

Potesta & Associates, Inc. (POTESTA) was retained by Thaxton Construction Company to provide construction layout for the Red Jacket Refuse Pile AML Project in Mingo County, West Virginia. Thaxton Construction Company was contracted by the West Virginia Division of Environmental Protection (WVDEP) Office of Abandoned Mine Lands and Reclamation (AML) to perform reclamation on an AML refuse pile.

Proposed reclamation included regrading a 500-foot long coal refuse pile and revegetation. Construction documents were prepared by others.

POTESTA's tasks for the project include:

1. Survey of "pre-construction" and "post-construction" cross sections.
2. Computation of (or assistance with) certain as-built quantities, including earthwork and revegetation.
3. Submittal of "post-construction" cross section drawings depicting existing and final grades.

**POTESTA & ASSOCIATES, INC.**

Charleston, WV • Morgantown, WV • Winchester, VA  
(304) 342-1400/[www.potesta.com](http://www.potesta.com)

*Project Abstract*

**LYNN BROOK (BOYD) DRAINAGE AML  
RECLAMATION PROJECT  
J&B Excavating, Inc.**

*Kanawha County, West Virginia*

Potesta & Associates, Inc. (POTESTA) was retained by J&B Excavating, Inc. to provide construction layout for the Lynn Brook (Boyd) Drainage AML Project in Kanawha County, West Virginia. J&B Excavating, Inc. was contracted by the West Virginia Division of Environmental Protection (WVDEP) Office of Abandoned Mine Lands and Reclamation (AML) to perform reclamation on an AML landslide.

Proposed reclamation included mobilization and demobilization, construction layout, clearing and grubbing, unclassified excavation, permanent erosion control matting, channels, mine seals, subsurface drain, manhole, culvert headwall, sediment control, and revegetation. Total proposed excavation was approximately 5,540 cubic yards. Construction documents for the project were prepared by another consultant.

POTESTA's tasks for the project include:

1. Construction layout of lines/grades for earthwork, including survey of "pre-construction" and "post-construction" cross sections.
2. Computation of (or assistance with) certain as-built quantities, including earthwork, channels, and revegetation.
3. Submittal of "post-construction" cross section drawings depicting existing and final grades.

**POTESTA & ASSOCIATES, INC.**

Charleston, WV • Morgantown, WV • Winchester, VA  
(304) 342-1400/[www.potesta.com](http://www.potesta.com)

*Project Abstract*

# **MAHAN TIPPLE AND REFUSE AML MAINTENANCE PROJECT**

## **Thaxton Construction Company**

*Fayette County, West Virginia*

Potesta & Associates, Inc. (POTESTA) was retained by Thaxton Construction Company to provide construction layout for the Mahan Tipple and Refuse Maintenance AML Project in Fayette County, West Virginia. Thaxton Construction Company had been contracted by the West Virginia Division of Environmental Protection (WVDEP) Office of Abandoned Mine Lands and Reclamation (AML) to perform maintenance on an AML refuse pile, originally reclaimed in the late 1980's, that had a significant failure near the toe of the refuse pile.

Proposed maintenance included excavation of material near the toe, installation of a rock buttress at the toe (approximately 1,000 cubic yards), installation of two grouted riprap channels totaling approximately 300 feet, and regrading and revegetation. Total proposed excavation was approximately 10,000 cubic yards. Construction documents for the project were prepared by another consultant.

POTESTA's tasks for the project included:

1. Construction layout of lines/grades for earthwork, including survey of "pre-construction" and "post-construction" cross sections.
2. Construction layout of proposed channels.
3. Computation of (or assistance with) certain as-built quantities, including earthwork, channels, and revegetation.
4. Submittal of "post-construction" cross section drawings depicting existing and final grades.

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*Project Abstract*

# **JACKSON COUNTY SANITARY LANDFILL SITE CHARACTERIZATION**

**West Virginia Department of Environmental Protection**

*Jackson County, West Virginia*

Potesta & Associates, Inc. (POTESTA) was retained by the West Virginia Division of Environmental Protection (WVDEP), 1356 Hansford Street, Charleston, West Virginia 25301, (304) 558-6350, to complete a site characterization for the Jackson County Landfill. The site characterization included surveying; development of topographic mapping; subsurface investigation including auger and rock core borings; leachate and surface water sampling; groundwater user survey including sampling of water wells; review of historical records; site reconnaissance; assessment of the site's compliance with the Solid Waste Management Rules; and development of a conceptual closure plan.

POTESTA provided surveying to establish ground control for aerial mapping, and to locate test pits, borings, leachate seeps, and existing features. POTESTA also located property boundaries since some problem areas were in close proximity to the property line. POTESTA developed topographic mapping from aerial photography for approximately 110 acres.

Water sampling included surface water samples to evaluate the landfill's impact on the receiving stream. POTESTA also obtained and analyzed samples of leachate in order to evaluate leachate treatment options and requirements.

POTESTA completed a groundwater user survey for residents utilizing private water supplies within 1-mile of the landfill. POTESTA selected ten representative residents to include in the survey, conducted interviews with these ten residents, sampled wells/springs, analyzed results, and prepared a report to assess impacts of the landfill on the private water supplies.

POTESTA excavated test pits on and around the landfill to determine soil cover thickness, to locate the edge of solid waste, and to evaluate potential soil borrow areas. Soil borrow area samples were tested for Standard Proctor, Atterberg limits, grain size, permeability, pH, and nutrients. POTESTA also completed a subsurface investigation including auger borings and rock coring to evaluate subsurface conditions at the landfill.

POTESTA developed a conceptual closure plan for the site, including upgrades of the existing sediment ponds, run-on and run-off control channels, leachate collection underdrains, proposed leachate storage tank, access roads, final cap and cover, and a sewer line to convey leachate to the Ripley wastewater treatment system.

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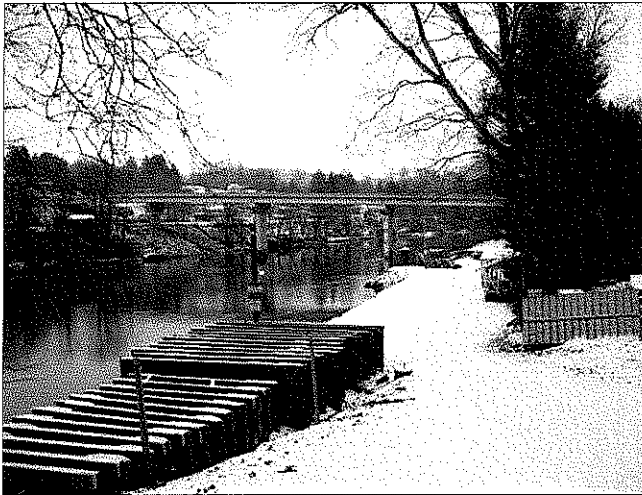
*Project Abstract*

## **BENTON'S FERRY BRIDGE**

### **West Virginia Division of Highways**

*Marion County, West Virginia*

Potesta & Associates, Inc. (POTESTA) provided field survey services to develop topographic mapping for the Benton's Ferry Bridge project, including the existing abandoned span and related approaches. The structure is located in Marion County, West Virginia and spans the Tygart River.



POTESTA provided field survey services and prepared topographic mapping of the site. POTESTA also provided cross sections of the river, centerline stakeout, location of geotechnical borings and location of property boundaries and ownership research.

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*Project Abstract*

# **YORKTOWNE SUBDIVISION**

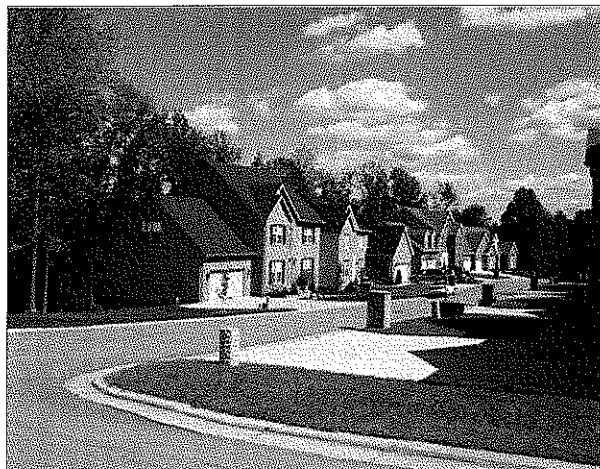
## **Timberwolf Development Corporation**

*Charleston, West Virginia*

Timberwolfe Development Corporation, with the assistance of Potesta & Associates, Inc. (POTESTA), developed a new residential community on 30 acres within a half mile of the Southridge retail center off U. S. Route 119. The development of the 50 homesites for single family residential use was part of an overall master plan for this land, a mixed use, retail, commercial office and residential development on the southwest side of Charleston.



POTESTA prepared designs for lot layout, streets, storm, sanitary and water utility extensions, and a sanitary sewer lift station. POTESTA provided survey platting of the subdivision, represented the developer before the Charleston Planning Commission, West Virginia Public Service Commission and the Charleston Sanitary Board, and obtained the necessary permits from the West Virginia Department of Health and Charleston Sanitary Board.

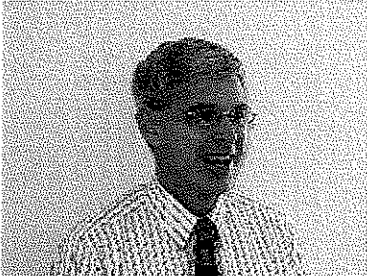


Construction monitoring of the utilities and road work was also provided.

**POTESTA & ASSOCIATES, INC.**

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**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, environmental, geotechnical, and mining engineering projects. Siting, design and permitting of industrial and municipal waste disposal sites; reclamation of abandoned mine lands; and development of stormwater management plans and groundwater sampling programs. Environmental/reclamation liability assessments. Development of site plans for commercial and industrial facilities including hydrologic and hydraulic analyses. Expert witness testimony.

**PROFESSIONAL EXPERIENCE**

- Municipal Solid Waste:
  - ▶ West Virginia Solid Waste Management Board/Monongalia County Sanitary Landfill - Morgantown, WV
  - ▶ Northfork Landfill - Wheeling, WV
  - ▶ Disposal Service, Inc. Landfill - Hurricane, WV
  - ▶ Sycamore Landfill, Inc. - Hurricane, WV
  - ▶ City of Charleston Landfill - Charleston, WV
  - ▶ WVDEP's Landfill Closure Assistance Program
    - Montgomery Sanitary Landfill - Montgomery, W
    - Wyoming County Sanitary Landfill - Pineville, WV
    - Jackson County Sanitary Landfill - Ripley, WV
    - City of Moundsville Landfill - Charleston, WV
  - ▶ Mingo County Landfill
  - ▶ Omar Landfill - Omar, WV
  - ▶ Pocahontas County Landfill - Marlinton, WV
  - ▶ HAM Sanitary Landfill - Peterstown, WV
  - ▶ Kanawha-Western Landfill - Cross Lanes, WV
  - ▶ S&S Landfill - West Milford, WV
- Industrial Solid Waste:
  - ▶ Mobay Hazardous Waste Landfill - Natrium, WV
  - ▶ American Cyanamid (4 Projects) - Willow Island, WV
  - ▶ Client Confidential - Parkersburg, WV
  - ▶ Monsanto Company - Nitro, WV (Multiple Projects)
  - ▶ Harrison Power Station - Haywood, WV
  - ▶ Fort Martin Power Station - Morgantown, WV
  - ▶ Mount Storm Power Station - Mount Storm, WV
  - ▶ Keystone Power Station - Elderton, PA
  - ▶ New Castle Power Station - New Castle, PA
  - ▶ Conemaugh Power Station - New Florence, PA
  - ▶ Alcoa Corporation - Newburgh, IN
  - ▶ Portsmouth Power Station - Portsmouth, VA
  - ▶ F. B. Culley Power Station - Newburgh, IN
  - ▶ Hatfield Power Station - Masontown, PA

- ▶ Armstrong Power Station - Armstrong County, PA
- ▶ Cheswick Power Station - Springdale, PA
- Development of construction drawings, technical specifications, contractor's bid sheet and engineer's cost estimate for closure of Montgomery Sanitary Landfill. Work included leachate collection system, cap and double walled leachate tank.
  - ▶ WVDEP - Office of Waste Management
- Development of construction drawings, technical specifications, contractor's bid sheet, and engineer's cost estimate for final closure of the Wyoming County Landfill. Work included site assessment, double walled leachate tank, pump station and connection of leachate line to the Center Public Service District sanitary sewer.
  - ▶ WVDEP - Office of Waste Management
- Development of interim closure plans including leachate collection system, adequacy of groundwater monitoring wells and soil cover for the Jackson County Landfill and the City of Moundsville Landfill.
  - ▶ WVDEP - Office of Waste Management
- Management of three liner expansions, borrow area determination, minor permit modifications, 1.6 MG double-lined leachate pond design, construction monitoring, and investigation of future alternatives for the WV Solid Waste Management Board's Monongalia County Sanitary Landfill.
- Evaluation of landfill expansion and leachate minimization. Preparation of permit application for Phase I Cell 3 and Phase II including drawings, specifications and CQA manual. Preparation of construction drawings for Phase I Cell 3 Stage 1 and management of construction monitoring. Preparation of erosion and sedimentation control plan, soldier beam and lagging retaining wall, gabion basket retaining wall, and assistance on FERC permit to relocate gas line.
  - ▶ Disposal Services, Inc. - Hurricane, WV
- Preparation of Landfill Expansion Revisions, permit revisions and permit negotiation. Detailed review of hydrogeology and groundwater flow regime. Management of QA/QC for landfill expansion including clay/synthetic liner system, double walled leachate tank, sedimentation pond, drainage channels and associated facilities.
  - ▶ S&S Landfill - Harrison County, WV
- Management of miscellaneous services including preliminary closure plan, evaluation of leachate treatment alternatives, repair of tear in synthetic liner, preparation of annual reports, and surveying for Pocahontas County Landfill.
  - ▶ Pocahontas County Solid Waste Authority - Marlinton, WV
- Investigation of potential landfill fire at Kanawha Western Landfill-Kanawha County Solid Waste Authority.

- Detailed geologic and hydrologic studies, monitoring well installation, and preparation of associated sections of landfill permits.
  - ▶ North Fork Landfill - Wheeling, WV
  - ▶ Sycamore Landfill - Hurricane, WV
- Management of non-hazardous industrial landfill design project involving design report, technical specifications, construction drawings, QA/QC manual, operation manual, permit application, and environmental assessment. Included meetings with EPA Region 3 and WV Division of Natural Resources. Also three site selection studies. Complete geologic and hydrogeologic investigations including installation of monitoring wells.
  - ▶ Rhone-Poulenc Ag Company
- Design, permitting, economic analyses, and preparation of construction bid documents for coal ash/refuse sites including HDPE and PVC liner systems.
  - ▶ Virginia Electric and Power Company
    - Portsmouth Power Station ash pond to dry fill conversion project
    - Mount Storm Interim Ash Site
  - ▶ Pennsylvania Electric Company
    - Keystone Coal Ash/Coal Refuse Site
  - ▶ Allegheny Power System
    - Hatfield Ash Site
- Siting studies, including environmental impacts and economic analyses, for industrial waste and coal ash/refuse sites.
  - ▶ Peabody Coal Company - slurry impoundment
  - ▶ Rhone-Poulenc Ag Company - 3 sites for industrial landfill
  - ▶ Virginia Electric and Power Company - Mt. Storm Power Station
  - ▶ Southern Indiana Gas and Electric Company - 4 sites at F.B. Culley Station
  - ▶ Alcoa Generating Corporation - 7 sites at Warrick Station
- Preparation of permit applications for the New Castle ash site and Mitchell scrubber sludge disposal site.
  - ▶ Pennsylvania Power Company
  - ▶ Allegheny Power System
- Evaluation of natural and synthetic liner systems for coal ash/coal refuse sites.
  - ▶ Pennsylvania Electric Company
- Management of QA/QC monitoring program for first RCRA industrial waste impoundment in EPA Region 3. Composite liner system consisted of 3-foot soil-bentonite liner and two 60-mil HDPE synthetic liners separated by an HDPE drainage net. Provided on-site testing laboratory. Daily and weekly project reports were provided. Prepared summary report and necessary "certifications" for submittal to WV Division of Natural Resources and EPA.
  - ▶ American Cyanamid Company-Willow Island, WV

- Management of QA/QC monitoring program for a stormwater retention basin consisting of a 3' soil bentonite liner with a concrete overlay. Daily, weekly, and project summary reports were prepared.
  - ▶ American Cyanamid Company-Willow Island, WV
- Preparation of plans, specifications, and permit application for the closure of an industrial waste disposal site. The capping system included geogrid to assist in supporting the overlying HDPE liner and soil cap.
  - ▶ American Cyanamid Company-Willow Island, WV
- Management of QA/QC monitoring for closure of a 3-acre hazardous waste disposal area with sludge stabilization and an HDPE cap. Provided an on-site testing laboratory, daily and weekly project reports, a summary report and agency required certifications.
  - ▶ American Cyanamid Company-Willow Island, WV
- Management of the QA/QC monitoring for the stabilization and capping of 10-acre hazardous waste equalization basin.
  - ▶ American Cyanamid Company-Willow Island, WV
- Management of monitoring well installations.
  - ▶ North Fork Landfill
  - ▶ Rhone-Poulenc Ag Company
- Coordinator of the compilation of data for a RCRA Part B permit application for a hazardous waste transfer facility in Parkersburg, WV including SPCC plan.
- Preparation of the Coal Ash Disposal Manual and various manuals for the High Volume/Low Technology Fly Ash Utilization Program.
  - ▶ Electric Power Research Institute
- Investigation of contamination from underground storage tanks and hydrocarbon spills. Included preparation of necessary regulatory forms, sample acquisition and analyses, and meetings with regulatory agency.
  - ▶ West Virginia Division of Natural Resources
  - ▶ Goldman Associates
  - ▶ Vandalia Mining Company
- Development of reclamation plans for over 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 Iaquina 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
- 
- 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

- Preliminary and detailed air pollution modeling for Pittsburgh's convention center complex and for the Washington Heights development.
  - ▶ Urban Redevelopment Authority of Pittsburgh
- 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.
- Operation permit from West Virginia Air Pollution Control Commission for cement/grout portable batch plant for mine subsidence control project in Follansbee, West Virginia.
  - ▶ Nicholson Construction Company
- Management of numerous environmental assessments for property transactions.
  - ▶ 70-acre parcel of land adjacent to Kanawha - Western Landfill for Kanawha County SWA
  - ▶ 65,000 acre Environmental/Reclamation Liability Assessment for A.T. Massey Coal Company
  - ▶ Environmental/Reclamation Liability Assessment involving 56 coal permits in KY for A.T. Massey Coal Company
  - ▶ General Electric Company - Nitro, WV
  - ▶ K-Mart in Parkersburg, WV
  - ▶ Mac's Body Shop for use as recycling center - KCSWA
  - ▶ 1200 acres for Island Creek Coal Co. in KY
  - ▶ South Central Regional Jail site near Charleston, WV
  - ▶ 300 acre coal property in Logan County for FDIC
  - ▶ 180 acre parcel of land for potential landfill developments
  - ▶ Rhone-Poulenc Ag Company - Institute, WV
  - ▶ Laboratory/office building for Eastern Associated Coal Corporation - Beckley, WV
  - ▶ Environmental/Reclamation Liability Assessment involving 27 coal permits in southern WV
  - ▶ Environmental/Reclamation Liability Assessment for 24,000 acre coal property in southern WV for Eastern Associated Coal Corporation
  - ▶ Environmental/Reclamation Liability Assessment involving 11 coal permits in southern WV
  - ▶ Environmental/Reclamation Liability Assessment for 37 permits covering 7,000 acres for Massey Coal Services in WV
  - ▶ Environmental/Reclamation Liability Assessment for 28 permits covering 6,300 acres for Massey Coal Services in WV
  - ▶ Environmental/Reclamation Liability Assessment for 7,000 acres in southern WV for Massey Coal Services
- Development of alternative truck transportation cost schemes:
  - ▶ Industrial and Hazardous Waste Management Study, Allegheny County, PA
  - ▶ Holcomb, KA, Power Station, Sunflower Electric Cooperative
  - ▶ Portsmouth Station remote ash structural fill, Virginia Electric and Power Company

- Development of a computer program that provides a detailed cost estimate for a coal ash disposal area.
  - ▶ Electric Power Research Institute
- Evaluation of settling characteristics for an emergency fly ash disposal pond and design of associated modifications at a plant in Institute, WV.
  - ▶ Rhone-Poulenc Ag Company
- Sampling/sounding of two basins containing sludge from secondary biological treatment of industrial wastewater and subsequent determination of sludge quantities.
  - ▶ Rhone-Poulenc Ag Company
- 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.
- Development of specification manual for conducting soil and groundwater sampling programs for Rhone-Poulenc Ag Company, Institute, WV. Manual detailed decontamination methods and proper handling/disposal methods.
- Development of fly ash flowable fill specification for submittal to WV Division of Highways.
  - ▶ Monongahela Power Company-Fairmont, WV
- Hydrologic and hydraulic analyses of South Ruffner Watershed. Project analyzed various storm events and presented conceptual recommendations to reduce effects of these storms.



- ▶ City of Charleston, WV
- Management of numerous projects at Plasma Processing Corporation's aluminum reprocessing facility near Ravenswood, WV.
  - ▶ Subsurface investigation and preparation of soils report
  - ▶ NPDES Permit
  - ▶ Development of sampling program for Plasma to follow in obtaining samples for NPDES Stormwater Analyses
  - ▶ Development of hazardous waste operations manual
  - ▶ Acquisition of WV Air Pollution Commission permits
  - ▶ Environmental audit of facility operations
- Internal and external methane gas monitoring at nursing home facility in Boone County, WV.
- Inspection and preparation of rehabilitation design for Parking Garage No. 1 for City of Charleston.
- Sludge sampling programs at the Institute, WV plant of Union Carbide Corporation and at the Tri-State Terminal of Ashland Petroleum Company.
- Economic analyses of wet versus dry disposal processes, including conveyor belts, trucks, and sluicing by pipe, for fly ash and bottom ash.
  - ▶ Tennessee Valley Authority
- Groundwater sampling programs:
  - ▶ Herr's Island, Urban Redevelopment Authority of Pittsburgh
  - ▶ Robertshaw Controls in New Stanton, PA
  - ▶ New Castle Power Station
  - ▶ Pennsylvania Power Company
  - ▶ Portsmouth Power Station
  - ▶ Virginia Electric and Power Company
  - ▶ Rhone-Poulenc Ag Company, Institute, WV
- Management of pump tests.
  - ▶ Peabody Coal Company - Bim, WV
  - ▶ Southern Ohio Coal Company - Meigs County, Ohio
  - ▶ Rhone-Poulenc Ag Company - Institute, WV
- Closure of above ground storage tanks. Included preparation of documentation for regulatory agency and sample acquisition and analyses.
  - ▶ Rhone-Poulenc Ag Company - Institute, WV
  - ▶ American Cyanamid Company - Willow Island, WV
- Design of a holding tank and ventilation system vault near Houston, PA.
  - ▶ Washington County Industrial Development Agency
- Development of specifications for a sand mound treatment system at the U.S. Air training center near Pittsburgh, PA.

- Computer modeling of groundwater movement of contaminants resulting from underground coal gasification.
- Determination of watershed areas along the Suwannee River Basin for the Jacksonville District, U.S. Army Corps of Engineers.
- Inspection of bridge and highway construction for the West Virginia Department of Highways.
- 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
- Management of stream stabilization and restoration plan for segment of East Fork of Queer Creek in Hocking County, Ohio.
  - ▶ Columbia Gas Transmission Corporation
- Management of consulting services for environmental report preparation and FERC permit applications for various natural gas pipeline projects.
  - ▶ Columbia Gas Transmission Corporation

# VICTOR M. DAWSON

Professional Surveyor

## PROFESSIONAL REGISTRATIONS

Registered Land Surveyor, North Carolina, South Carolina, West Virginia

## EDUCATIONAL BACKGROUND

A. S. Land Surveying  
Glennville State College  
Glennville, West Virginia

## EMPLOYMENT HISTORY

1998-Present Potesta & Associates, Inc.  
1993-1998 Dunn Engineers  
1888-1993 Woolpert Consultants  
1986-1988 W. K. Dickson and Company  
1986-1986 Clary-Miller and Associates  
1985-1986 William F. Knight Land Surveying  
1984-1985 Morris Exploration Company  
1983-1984 William F. Knight Land Surveying  
1981-1983 Columbia Gas Transmission Company

## PROFESSIONAL AFFILIATIONS

North Carolina Society of Land Surveyors  
South Carolina Society of Land Surveyors  
West Virginia Association of Land Surveyors  
American Congress on Surveying and Mapping  
West Virginia Association of Land Surveyors, Greater Kanawha Valley Chapter, President, 2003  
West Virginia Society of Professional Surveyors, 2005-2006

## PROFESSIONAL EXPERIENCE

### *Expert Witness/Case Preparation/Accident Surveys*

- Rutherford County Airport, Rutherford, NC. Expert witness – Flowe Construction v. Woolpett Consultants.
- Boundary dispute, Clay County, WV. Expert witness – Sizemore v. Carte.
- Boundary dispute, Putnam County, WV. Expert witness for case preparation over placement of gas well.
- Columbia Gas, Sissonville, WV. Expert witness for case preparation over a gas release and spill from a gas storage well.
- Boundary location settlement, Nicholas County, WV. Determine location of property line due to a tree falling, resulting in a death.
- Three-dimensional survey of a pallet crusher, Parkersburg, Wood County, WV. Survey of a piece of machinery and surrounding structures in a case resulting in a loss of legs.
- Boundary dispute, Pinch, WV. Conducted boundary survey and mapping for court documents over a disputed right-of-way through a piece of property to an adjoining tract.
- Three-dimensional survey of Huntington Bank parking garage to help determine cause of building collapse resulting in multiple deaths.

### *Hazardous Waste/Disposal Facilities:*

- Winfield ACF Site, ACF/Corps of Engineers, Winfield, WV. Work included Boundary, Topographic, Construction Layout and Sample Point Layout of 15 acres along the Kanawha River. This project had over 12,000 sample points laid out on a 3' grid.
- Fike/Artel Superfund Site, DeMaximus, Nitro, WV. Work included Boundary, Topographic and Sample Layout for the cleanup and monitoring of the Fike/Artel Site and surrounding properties. Surveying Supervisor.
- Phillips Lighting, Fairmont Site, Hampton Clark, Fairmont, WV. Work included Boundary, Topographic, Structure Location and Sample Layout of the Phillips Lighting glass collect pile and surrounding areas along the Monongahela River. Surveying Supervisor.
- Poor Charlie and Company, Riverside Site, Glasgow, WV; Poor Charlie, Sattes Site, Nitro, WV; Poor Charlie, Cramer Metals Site, Parkersburg, WV.

Work included Boundary, Topographic, Location and Boring Stakeout of various VERA sites and adjoining properties. Surveying Supervisor.

- Elkem Metals Disposal Facility, Elkem Metals, Alloy, WV. Work included Control Network, Boundary, Topographic Surveys, and yearly volume reports. Surveying Supervisor.
- Solutia, Nitro, WV. Work included Boundary, Topographic and Location Surveys for various projects, disposal facility caps, charcoal filtering systems, and monitoring well control network throughout the site and adjoining properties. Survey Supervisor.
- Nicholas County Landfill, Summersville, WV. Work included Control Network, Boundary and Topographic Surveys for expansion of cells and yearly volume reports. Survey Supervisor.
- Pocahontas County Landfill, Pocahontas County, WV. Work included Control Network, Boundary and Topographic Surveys for expansion cells and yearly volume reports. Survey Supervisor.
- Fleming Landfill, WVDEP, Sissonville, WV. Work included Boundary and Topographic Surveys, along with control network and baseline stakeout for landfill closure. Survey Supervisor.
- Cunard Landfill, WVDEP, Fayetteville, WV. Work included Topographic and Construction Layout for landfill closure. Survey Supervisor.
- City of Charleston Landfill, Charleston, WV. Construction layout for new waste cells.
- Putnam County Landfill, Hurricane, WV. Construction layout for new waste cells.
- Mingo County Landfill, J & B Contracting, Mingo County, WV. Work included Topographic and Construction Layout for landfill closure. /Survey Supervisor.
- Mercer County Landfill, Jimmy Dunn, Mercer County, WV. Work included Topographic and Construction Layout for landfill closure. Survey Supervisor.

*Transportation:*

- Merritt's Creek Connector Road, WVDOT, Barboursville, West Virginia. Preliminary route survey of 2.2 miles of four-lane roadway. Work included courthouse research, property owner questionnaires, stake proposed centerline, tie to properties, set and reference construction control points. Crew Chief/Project Manager.
- Benton's Ferry Bridge Replacement, WVDOH, Fairmont, West Virginia. Work included Topo survey of project area, property owner questionnaires, tie to property lines, river cross sections, stake and reference centerline and construction control points. Crew Chief/Project Manager.

- North Bridgeport Connector Road, WVDOH, North Bridgeport, West Virginia. Work included GPS control survey of project area, preliminary route survey of centerline, tie to property lines, stake and reference centerline and construction control points, courthouse research, property owner questionnaires. Crew Chief/Project Manager.
- Corridor H, WVDOH, Section 15, Elkins, West Virginia. Work included courthouse research, property owner questionnaires, GPS control of project area, preliminary route survey of 2.2 miles of centerline, tie to property lines, stake and reference centerline and construction control points. Crew Chief/Project Manager.
- Corridor D, WVDOH, Martown Section, Parkersburg, West Virginia. Work included courthouse research, property owner questionnaires, GPS control of project area, preliminary route survey of 2.2 miles of centerline, tie to property lines, stake and reference centerline and construction control points. Crew Chief/Project Manager.
- Martha Truss Bridge Replacement, WVDOH, Milton, West Virginia. Work included Topo survey of project area, property owner questionnaires, tie to property lines, river cross sections, stake and reference centerline and construction control points. Crew Chief/Project Manager.
- Martha Girder Bridge Replacement, WVDOH, Milton, West Virginia. Work included Topo survey of project area, property owner questionnaires, tie to property lines, river cross sections, stake and reference centerline and construction control points. Crew Chief/Project Manager.
- Smith Bridge, WVDOH, Wetzel County, West Virginia. Work included Topo survey of project area, property owner questionnaires, tie to property lines, river cross sections, stake and reference centerline and construction control points. Project Manager.
- Opaquen Bridge, WVDOH, Wetzel County, West Virginia. Work included Topo survey of project area, property owner questionnaires, tie to property lines, river cross sections, stake and reference centerline and construction control points. Project Manager.
- King Coal Highway, WVDOH, Mingo County, West Virginia. Work included courthouse research, property owner questionnaires, GPS control of project area, preliminary route survey of 2.2 miles of centerline, tie to property lines, stake and reference centerline and construction control points. Project Manager.
- Sharon Heights Connector Road, WVDOH, Mingo County, West Virginia. Work included courthouse research, property owner questionnaires, GPS control of project area, preliminary route survey of 2.2 miles of centerline, tie to property lines, stake and reference centerline and construction control points. Project Manager.

- Kanawha Turnpike, WVDOH, Charleston, West Virginia. Work included courthouse research, property owner questionnaires, GPS control of project area, preliminary route survey of 2.2 miles of centerline, tie to property lines, stake and reference centerline and construction control points. Project Manager.
- East Huntington Bridge, WVDOH, Huntington, West Virginia. Work included annual bridge inspection survey of cable stay bridge over the Ohio River. Crew Chief/Surveying Supervisor.
- Corridor H, WVDOT, Elkins, West Virginia. Section 16 preliminary route/design survey. Project Manager/Crew Chief.
- Route 265, VDOT, Danville, Virginia. Crew Chief/Project Manager.
- NC 218 Hydraulics, NCDOT, Wilkesboro, North Carolina. Crew Chief/Project Manager.
- B-1277 Bridge Hydraulics, NCDOT, Marion, North Carolina. Crew Chief.
- NC 1318 Bridge, NCDOT, Taylorsville, North Carolina. Crew Chief.
- Charlotte Outerloop Drainage, NCDOT, Charlotte, North Carolina - Crew Chief/Project Manager.
- NC 90 Drainage, NCDOT, Charlotte, North Carolina. Crew Chief.
- Sardis Monroe Intersection Widening, Charlotte, North Carolina. Crew Chief.
- Corridor G, WVDOT, Charleston, West Virginia. Crew Chief.
- Dame's Point Bridge, Florida DOT, Jacksonville, Florida. Crew Chief.
- St. George Harbor, Corps of Engineers, St. George Island, Alaska. Crew Chief/Quality Control Representative.

***Parks and Recreation:***

- Freedom Park, Charlotte, North Carolina. Crew Chief/Project Manager.
- Mallard Creek Park, Charlotte, North Carolina. Crew Chief/Project Manager.
- York Park, York, South Carolina. Crew Chief.
- Hargett Park, Rock Hill, South Carolina. Crew Chief.
- York Road Renaissance Park, Charlotte, North Carolina. Crew Chief.
- Lockrain Subdivision and Golf Course, Orange Park, Florida. Crew Chief.

- Amelia Island Golf Course, Amelia Island, Florida. Crew Chief.

*Aviation:*

- Yeager Airport, Charleston, West Virginia. Stake out P.A.P.I. lights for Runway 15. Crew Chief.
- Rutherford County Airport, Rutherford, North Carolina. Crew Chief/Project Manager.
- Seymour Johnson Air Force Base, Goldsboro, North Carolina. Crew Chief.
- Statesville Regional Airport, Statesville, North Carolina. Crew Chief.
- Asheville Regional Airport, Asheville, North Carolina. Crew Chief.
- Anderson County Airport, Anderson County, South Carolina. Crew Chief.

*Utilities:*

- Cogentrix Energy, Cogentrix, Marshall County, West Virginia. Work included GPS control survey of project area, boundary survey of 292 acres, topographic survey of 177 acres for site construction, courthouse research. Surveying Supervisor.
- Big Sandy Peaker Plant, Constellation Power, Cabell County, West Virginia. Work included GPS control survey of project area, boundary and topographic of 42 acres, boundary and route survey for 1 mile of transmission lines, construction stakeout. Crew Chief/Surveying Supervisor.
- Paintsville Power Plant, Energy Services, Paintsville, Kentucky. Work included control and topographic survey of an 180-acre site for proposed power plant, construction stakeout. Survey Supervisor.
- Greenbrier Pipeline, Dominion, West Virginia, Virginia, and North Carolina. Work included control and preliminary route survey of a 264-mile pipeline running from Corton, West Virginia to Raleigh, North Carolina. Survey Supervisor.
- Upshur County Power Plant, Dominion, Upshur County, West Virginia. Work included control survey and construction survey of a 170-acre power plant. Survey Supervisor.
- Cellular telephone tower sites, Nextel, West Virginia, Kentucky, and Ohio. Work included courthouse research, boundary and topographic survey for 86 tower locations. Crew Chief/Survey Supervisor.
- West Virginia-American Water Company. Work included boundary survey for 180 water tank sites throughout West Virginia. Crew Chief/Survey Supervisor.

- Little Sugar Creek Channel Improvements, Mecklenburg County, North Carolina. Crew Chief/Project Manager.
- Charlotte Storm Water Management, Charlotte, North Carolina. Crew Chief/Project Manager.
- Chester Waterline Extension, Chester, South Carolina. Crew Chief.
- Boy Scout Camp, Mecklenburg County, North Carolina. Crew Chief.
- Lancaster Sewer Extension, Lancaster, South Carolina. Crew Chief.
- Marshville Sewer, Marshville, North Carolina. Crew Chief.
- Sewer Route Survey for Norwood, Norwood, North Carolina. Crew Chief.
- Lenoir Water and Sewer Extension, Lenoir, North Carolina. Crew Chief.
- Manchester Creek HEC Study, Rock Hill, South Carolina. Crew Chief.
- Thermoco-Welco Water and Sewer, Kings Mountain, North Carolina. Crew Chief.
- Proposed Sewer Route Survey, Spencer, North Carolina. Crew Chief.
- Kings Mountain Route 75 Waterline Extension, Kings Mountain, North Carolina. Crew Chief.
- Moores Chapel, McIntyre East and West Plant Road, Hampton Park, Charlotte-Mecklenburg Utility Department, Charlotte, North Carolina. Crew Chief.
- Charlotte-Mecklenburg Utility Department, Charlotte, North Carolina. Crew Chief.

***Streetscapes:***

- Idlewild Road, Charlotte, North Carolina. Crew Chief.
- Streetscape Mapping Project, Charlotte, North Carolina. Crew Chief.
- Rock Hill Gateway, Rock Hill, South Carolina. Crew Chief/Project Manager.
- Boundary/Topographic Plans Crescent Gateway Project, Belmont, North Carolina. Crew Chief.

***Military:***

- Seymour Johnson Air Force Base, United States Air Force, Goldsboro, North Carolina. Crew Chief.



- St. George Harbor, U.S. Corps of Engineers, St. George Island, Alaska. Contractor Quality Control Representative.
- Camp Butner, United States Army, Durham, North Carolina. Crew Chief.

***Motel:***

- Knights Inn Motels, Statesville, Asheville, Gastonia, and Charlotte, North Carolina. Crew Chief.
- Fairfield Inn Motel, Charlotte, North Carolina. Crew Chief.

***Office, Business and Industrial:***

- National Lumber Plant Site, Roane County, West Virginia. Work included boundary and topographic survey, construction stakeout for plant site. Crew Chief/Survey Supervisor.
- Buckskin Council Boy Scout Camp, Boy Scouts of America, Pocahontas County, West Virginia. Work included topographic survey and construction stakeout for new water and sewer system. Survey Supervisor.
- Hampton-Clarke, Philips Lighting Company, Fairmont, West Virginia. Work included boundary and topographic survey, construction stakeout for cullet pile of hazardous waste site. Crew Chief/Survey Supervisor.
- BIDCO, Kanawha County, West Virginia. Work included boundary and topographic survey of several parcels in the development, also stakeout of spec building and parking lots.
- Bojangles, Sam Furr Road, Charlotte, North Carolina. Crew Chief/Project Manager.
- Lowe's of Pineville, Pineville, North Carolina. Crew Chief/Project Manager.
- Firestone Fibers and Textiles, Kings Mountain, North Carolina. Crew Chief/Project Manager.
- Rural Hills, Mecklenburg County, North Carolina. Crew Chief/Project Manager.
- Huntersville Business Park, Huntersville, North Carolina. Crew Chief/Project Manager.
- TransWest Office Building, Charlotte, North Carolina. Crew Chief.
- Chatham Properties, Charlotte, North Carolina. Crew Chief/Project Manager.
- WTVI Transmitter Tower, Charlotte, North Carolina. Crew Chief/Project Manager.
- Greenbrier Business Park, Charlotte, North Carolina. Crew Chief/Project Manager.

- Dickerson Carolina, Inc., Charlotte, North Carolina. Crew Chief/Project Manager.
- Oakboro Industrial Park, Oakboro, North Carolina. Crew Chief.
- Baxter Medical Warehouse, Charlotte, North Carolina. Crew Chief.
- TechPark Business Center, Rock Hill, South Carolina. Crew Chief/Project Manager.
- Coffey Creek II and III, Charlotte, North Carolina. Crew Chief.
- Red Fez Club, Lake Wylie, South Carolina. Crew Chief.
- Hickory Grove Business Park, Charlotte, North Carolina. Crew Chief.
- Minit Lube, Charlotte, North Carolina. Crew Chief.
- Crescent Gateway, Belmont, North Carolina. Crew Chief.
- Roto Rooter, Charlotte, North Carolina. Crew Chief.

***Ground Control:***

- Belmont Community Development, Charlotte, North Carolina. Crew Chief/Project Manager.
- Asheville Regional Airport, Asheville, North Carolina. Crew Chief/Project Manager.
- Lenoir Rhyne College Aerial Photo Control, Hickory, North Carolina. Crew Chief.
- Wilkinson Boulevard Aerial Photo Control, Charlotte, North Carolina. Crew Chief.
- Park Road Aerial Photo Control, Charlotte, North Carolina. Crew Chief.
- Beatties Ford Road Aerial Photo Control, Charlotte, North Carolina. Crew Chief.
- Freedom Park Aerial Photo Control, Charlotte, North Carolina. Crew Chief/Project Manager.
- ~~ERM Ground Control Survey, Aberdeen, North Carolina. Crew Chief/Project Manager.~~

***Housing:***

- Woodside Falls Subdivision, Pineville, North Carolina. Crew Chief/Project Manager.
- Amberwood Subdivision, Charlotte, North Carolina. Crew Chief/Project Manager.
- Thompson Plantation, Charlotte, North Carolina. Crew Chief.
- Wells Crossing Apartments, Orange Park, Florida. Crew Chief.
- Park Lake Apartments, Charlotte, North Carolina. Crew Chief.
- Lakes of Mayport Apartments, Mayport, Florida. Crew Chief.
- Cross Creek Apartments, Charlotte, North Carolina. Crew Chief.

***Hazardous Waste:***

- Winfield A.C.F. Site, Winfield, West Virginia. Crew Chief/Project Manager.

***Construction Stake-Out:***

- Charleston Federal Building, Charleston, West Virginia. Staked foundation, anchor bolts, interior and exterior wall lines. Crew Chief/Project Manager.
- Courthouse Parking Building, Charleston, West Virginia. Staked foundation and wall lines. Crew Chief.

***Colleges/Universities:***

- University of Charleston, Charleston, West Virginia. Work included boundary survey of several parcels of land for student housing and parking lot. Crew Chief/Survey Supervisor.
- Marshall University, Charleston, West Virginia. Work included boundary and location survey of research complex. Survey Supervisor.
- Marshall University, Huntington, West Virginia. Work included courthouse research, boundary and topographic survey of several city blocks for student housing and parking buildings. Crew Chief/Survey Supervisor.

***Landfills/Abandoned Mine Lands:***

- Jackson County Landfill, Jackson County, West Virginia. Work included GPS control survey, boundary and topographic survey, construction stakeout for landfill closure. Crew Chief/Survey Supervisor.
- Nicholas County Landfill, Nicholas County, West Virginia. Work included boundary and topographic surveys for biannually reports. Survey Supervisor.

- Pocahontas County Landfill, Pocahontas County, West Virginia. Work included boundary and topographic surveys for biannual reports and construction stakeout. Survey Supervisor.
- Mercer County Landfill, Mercer County, West Virginia. Work included GPS control survey, boundary and topographic survey, construction stakeout for landfill closure. Crew Chief/Survey Supervisor.

***Subdivisions:***

- Stonegate Subdivision, Putnam County, West Virginia. Work included boundary survey of exterior tract, construction stakeout of roads and utilities, stake boundaries of lots. Crew Chief/Survey Supervisor.
- Yorktowne Subdivision, Kanawha County, West Virginia. Work included boundary survey of exterior tract, construction stakeout of roads and utilities, stake boundaries of lots. Crew Chief/Survey Supervisor.

***Coal Mines:***

- Kanawha Eagle Mine, Kanawha County, West Virginia. Work included topographic and construction staking of refuse impoundments, drainage runoff ponds, stake clearing limits of new mine face. Crew Chief/Survey Supervisor.

**EMPLOYMENT HISTORY**

1999-Present Potesta & Associates, Inc.  
1998 Design Tech  
1993-1998 Tech Video

**AREAS OF SPECIALIZATION**

Surveying, construction observation and field work.

**PROFESSIONAL EXPERIENCE**

- Construction quality assurance monitoring for the Fleming Sanitary Landfill Closure Project, including construction of a 19-acre cap, geocomposite gas management layer, 40 mil VFPE geomembrane, geocomposite drainage layer, and soil cover layer.
  - West Virginia Department of Environmental Protection
- Construction observation of 60,000+ linear feet Poca River Road water line extension project in Putnam County, West Virginia.
  - West Virginia-American Water Company
- Construction observation for 12,000 linear feet Spite Road water line extension project in Putnam County, West Virginia.
  - West Virginia-American Water Company
- Construction observation for 33,000 linear feet Contract No. 7 water line extension project for Cabell County, West Virginia.
  - West Virginia-American Water Company
- Surveying for property transactions and proposed utility pipelines, highways, landfills and developments.
  - Allegheny Energy Supply
- Construction observation for installation of water line at a development at Glade Springs, Daniels, West Virginia.
  - West Virginia-American Water Company