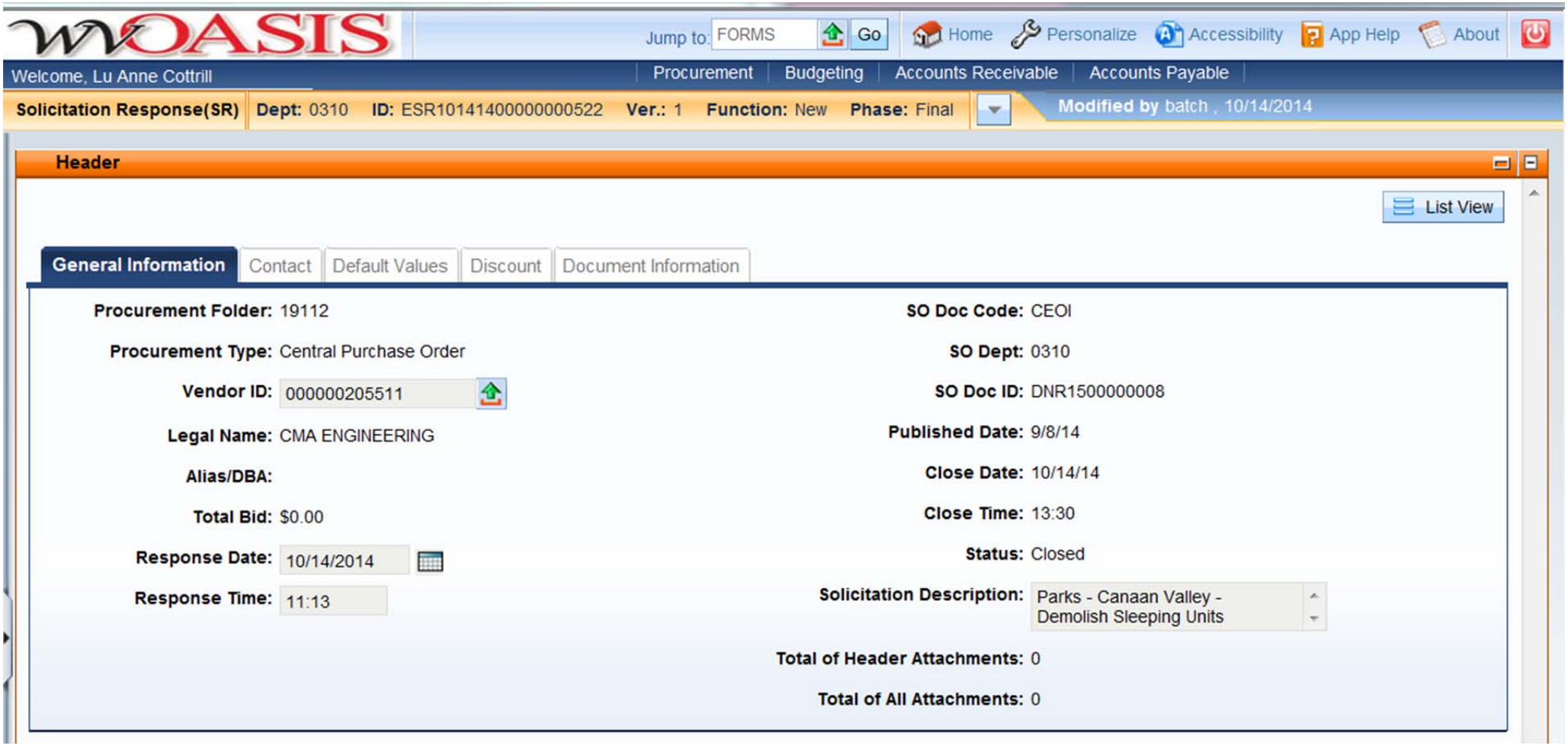
The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at ***wvOASIS.gov***. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at ***WVPurchasing.gov*** with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.


wvOASIS
Jump to: FORMS Go
Home
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About
Welcome, Lu Anne Cottrill
Procurement
Budgeting
Accounts Receivable
Accounts Payable
Solicitation Response(SR) Dept: 0310 ID: ESR10141400000000522 Ver.: 1 Function: New Phase: Final
Modified by batch , 10/14/2014
Header
List View
General Information
Contact
Default Values
Discount
Document Information
Procurement Folder: 19112
Procurement Type: Central Purchase Order
Vendor ID: 000000205511
Legal Name: CMA ENGINEERING
Alias/DBA:
Total Bid: $0.00
Response Date: 10/14/2014
Response Time: 11:13
SO Doc Code: CEOI
SO Dept: 0310
SO Doc ID: DNR1500000008
Published Date: 9/8/14
Close Date: 10/14/14
Close Time: 13:30
Status: Closed
Solicitation Description: Parks - Canaan Valley - Demolish Sleeping Units
Total of Header Attachments: 0
Total of All Attachments: 0

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

State Of West Virginia
Solicitation Response

Proc Folder : 19112

Solicitation Description : Parks - Canaan Valley - Demolish Sleeping Units

Proc Type : Central Purchase Order

Date issued	Solicitation Closes	Solicitation No	Version
	2014-10-14 13:30:00	SR 0310 ESR10141400000000522	1

VENDOR

000000205511

CMA ENGINEERING

FOR INFORMATION CONTACT THE BUYER

Dean Wingerd

(304) 558-0468
dean.c.wingerd@wv.gov

Signature X **FEIN #** **DATE**

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

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
2	Parks - Canaan Valley - Sleeping Unit Demo				$0.00

Comm Code	Manufacturer	Specification	Model #
81101508			

Extended Description : Demolition of three 50 unit modular sleeping units and related infrastructure relocations, changes and improvements at Canaan Valley State Park.

EOI
WEST VIRGINIA
DIVISION OF NATURAL RESOURCES
CANAAN VALLEY RESORT STATE PARK
DNR1500000008

ARIC MARGOLIS ARCHITECTURE PLLC

CMA ENGINEERING

POTESTA

ARIC MARGOLIS ARCHITECTURE, PLLC 602 VIRGINIA ST. E SUITE 102 CHARLESTON, WV 25301
p. 304.343.9080 email: Aric@MargolisArch.com

602 Virginia St. E. Suite 102
Charleston, WV 25301
Phone: 304.343.9080
Email: Aric@MargolisArch.com

October 14, 2014

Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

Dear Review Committee:

Aric Margolis Architecture and its selected design team is pleased to have the opportunity to submit this proposal for providing architectural / engineering services for the proposed demolition of 50 unit modular sleeping units and related infrastructure relocations, changes and improvements at Canaan Valley Resort State Park. We feel confident our design team is uniquely qualified to provide design services for the project and feel a team approach between WV DNR and its architects / engineers is the key to the successful completion of your project.

Aric Margolis Architecture is pleased to present a proposal outlining technical expertise, management, staff capabilities and experience for providing high quality architectural services. Our approach will offer advantages in methodology and delivery that will guarantee the success of your project both now and for years to come. My firm is capable of providing full architectural design services and has a long list of sub-consultants that provide civil, mechanical and electrical engineering services to complete the design package. I have provided full architectural design services to multiple State Agencies. During that time, I have had the opportunity to complete many building designs as represented in the enclosed profiles.

As with many architectural firms in West Virginia, Aric Margolis Architecture has teamed with consultants for the required various trades to provide the owner with a complete turnkey project. These consultants have been selected based on past performance, design expertise and familiarity with the region to provide a cost affective, efficient and reliable team. The team consists of Postesta and Associates for Civil / Site design services. CMA Engineering will provide Plumbing, Mechanical and Electrical Engineering services. Their profiles are included in this package.

Based on the expression of interest, this project is more heavily weighed to civil design and infrastructure. As the Architect, it will be my job to facilitate and coordinate those trades, assemble the bid documents as well as providing architectural services to finalize the project.

Teamwork is the spirit and foundation of a successful project. We acknowledge the importance of a quick turnaround and excellent quality of services which our administrative procedures, overall organization and depth of experience provides you. As you will see from our resumes and company experience, we are uniquely qualified to offer the professional services required and to ensure that your project becomes a success. We want to emphasize that your project is very important to our design team and look forward to personally discussing our qualifications to complete this project to the very highest standards, on time and within budget. Should you have any questions regarding this proposal, please do not hesitate to contact us.

Sincerely,

Aric L. Margolis, AIA

about

Aric Margolis Architecture, PLLC was founded in the Fall of 2012. Aric has worked in the field of architecture for over 18 years and has a tremendous amount of experience in a variety of areas and in different capacities. A native Charlestonian, Aric's office is conveniently located in the historic Woodrums Building in downtown Charleston. Aric is licensed to practice in West Virginia, Kentucky and is NCARB certified, allowing licensure in other states. Aric has worked on projects throughout the State of West Virginia. He is dedicated to enhancing the beauty of our state through his craft, and he loves what he does for a living. Aric earned a Bachelor of Environmental Design in Architecture from the University of Colorado. While at Colorado, he entered the Denmark International Study program and spent 6 months studying in Europe. Aric also earned a Bachelor of Architecture from North Carolina State University and returned to West Virginia in 1996. Aric has served on the City of Charleston Municipal Planning Commission since 2002. He is also past members of the Friends of Clay Center Board, Big Brothers Big Sister Myrtle Beach Dinner Dance, and Museum in the Community.

design approach

Aric Margolis Architecture, PLLC believes in client-centered representation. Flexible and accessible, Aric will work tirelessly to ensure client satisfaction. Aric feels design is not a one size fits all. Every project brings unique situations. It is important to listen and understand the problems before coming to the solution. All projects must begin with a development of a compilation of the needs and wants of the client. Through dialogue, the owner and architect create an understanding of the important parameters within a project. Within those parameters, the Architect is charged with developing aesthetically pleasing, cost-conscious solutions.

collaboration

Like most architectural firms, Aric has developed strong relationships with several engineering firms. He considers all talented firms and tailors firm selections based on the specific project.

COMMERCIAL · MEDICAL · EDUCATIONAL · RETAIL · RELIGIOUS · MULTIFAMILY · RESIDENTIAL

ARIC MARGOLIS ARCHITECTURE, PLLC 602 VIRGINIA ST. E SUITE 102 CHARLESTON, WV 25301
p. 304.343.9080 email: Aric@MargolisArch.com

PROJECT PROFILES

602 VIRGINIA ST. E SUITE 102
CHARLESTON, WV 25301
p. 304.343.9080
email: Aric@MargolisArch.com
www.MargolisArch.com

St. Johns United Methodist Church

New Muti-Purpose Building & Entrance
13,200 Square Feet of New + 26,800 Square Feet of Renovated Construction
The church was in need of expanded facilities. This project re-purposed existing space in order to save cost so that a new Multi-purpose building could be constructed. Project is currently under construction
Aric Margolis Architecture, PLLC was the Project Architect

CAMC: Parking lot Expansion

New 185 Car Parking lot
Aric Margolis Architecture oversaw the Coordination, Bidding & Construction of the much needed parking lot expansion for CAMC. Project also used rain garden principals to minimize effects of run-off
Aric Margolis Architecture, PLLC was the Project Architect

Glenville State College: Goodwin Hall

New 6 Story - 484 Bed Residence Hall
120,566 Square Feet
This project, built on a steep hill, was constructed of light gauge steel framing as well as load bearing concrete and steel framing. The project provided much needed, updated housing for the campus. Construction Cost over $20 million
Aric Margolis was Project Architect while at Associated Architects.

photo not available

DNR: Cabwaylingo

KITCHEN & DINING HALL
3062 Square Feet
New construction of Dining Hall and Kitchen replacing previous structure that was too dated to be renovated
Aric Margolis was Project Architect while at Associated Architects.

Glenville State College: Pioneer Center

2 Story, 120,000 Square Feet
3000 seat gymnasium and education building
This project was a new multi-purpose facility housing locker rooms, Athletic offices, weight room, indoor walking track, presidents suite and semi-attached 2 story education building.
Aric Margolis was Project Architect while at Associated Architects.

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PROJECT PROFILES

602 VIRGINIA ST. E SUITE 102
CHARLESTON, WV 25301
p. 304.343.9080
email: Aric@MargolisArch.com
www.MargolisArch.com

University of Charleston: East Hall

New 4 Story - 49 Apartments & 524 car parking
This project provided new apartment style housing and much needed parking for the Campus. The design wrapped the apartment building around 3 sides of the parking structure while maintaining the campus aesthetics. Each floor of the garage aligns with the apartment floors, allowing for direct access.
Aric Margolis was Project Manager while at Associated Architects.

Charleston Medical Center Housing Corporation

Jefferson Place
24 Unit Apartment Building .
This complex serves resident doctors for CAMC. Project incorporated materials from the surrounding neighborhood to give it a classic feel.
Aric Margolis was Project Manager while at Associated Architects.

Other notable projects while at Associated Architects:
As Project Architect:

- University of Charleston: Renovations for New Physicians Assistant program
- CAMC Orthopedic Trauma Group: 8000 Square Feet expansion of existing Office Space
- Dr. Grant Mason: Renovation to existing facility for Dental office
- Raleigh Regional Cancer Center: Renovations to existing building
- Crestview: New 3 Story, 48 - Unit Apartment Building, 49,473 Square Feet
- Willow Tree II: New 3 Story, 48 - Unit Apartment Building, 47,581 Square Feet
- Lowenstein Building: Renovations to historic building for Commercial & Residential use
- Kanawha Stone: New 2 Story Office Building
- Dollar General Washington St. E: New Retail Store
- Raleigh Mall: Demolition and Renovation to Existing Facility

As Project Manager:

- University of Charleston: Middle Hall - 5 Story - 240 bed residence hall, 62,715 Square Feet
- DEP: New 3 Story - 120,000 Square Feet Office Building, LEED Silver
- University of Charleston: Ratrie Hall - 4 Story - 180 bed residence hall, 47,352 Square Feet
- B'nai Jacob Synagogue: - 1 Story addition used for Meeting & Dining Space
- Marshall University Parking Garage: 5 Story - 1009 car parking
- Joe Holland Service Center: 1 Story 44,000 square foot service center
- Northgate Business Park: Sports Medicine, Ticketmaster, Thrasher Engineering, Forbes Building

References:
Tom Ratliff - Glenville State College - Director of Facilities - 304.462.6241
Cleta Harless - University of Charleston - VP Admin. & Finance - 304.357.4736
Karen Seim - CAMC - Property Management - 304.388.9660

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RESUME

Aric L. Margolis

AIA, NCARB
Principal, Owner

Professional Experience

Aric Margolis Architecture, PLLC
Principal, Owner (August 2012 - Present)

Associated Architects, Inc.
Project Architect (1996 - 2012)

Education

Bachelor of Architecture
North Carolina State University - 1996

Bachelor of Environmental Design in Architecture
University of Colorado - 1994

Denmark's International Study Program in Architecture - 1993

Organizations

Licensed Architect - West Virginia, Kentucky
American Institute of Architects
National Council Architecture Registration Board

Community Service

City of Charleston - Municipal Planning Commission: 2002 - Present
Past Member:
Friends of Clay Center Board;
Museum in the Community Board;

Significant Projects:

Aric Margolis Architecture, PLLC:
- SJUMC: 13,200 SF New Mutlipurpose Bldg & Entry, 26,800 SF of renovation
- CAMC: Enlarged 185 Car parking lot

As Project Architect at Associated Architects:
- Glenville State College: New 6 Story - 484 bed residence hall, 120,566 SF
- Glenville State College: New Performance Gym & Education Building, 130,704 SF
- CAMC Northgate: Office building for Information Services and other dept, 69,000 SF
- University of Charleston: Renovations for New Physicians Assistant program
- Lowenstein Building: Commercial & Residential renovations to historic building.
- Smith Motors: Renovation and Additions for Mercedes and Land Rover Dealerships

As Project Manager at Associated Architects:
- University of Charleston: East Hall & Parking garage - 49 Apartments, 524 cars
- Equity House: Renovations to 5 story historic building downtown for office use
- Jefferson Place: 24 Unit Apartment Building for CMCHC
- University of Charleston: Middle Hall - 5 Story - 240 bed residence hall, 62,715 SF
- DEP: New 3 Story - 120,000 Square Feet Office Building, LEED Silver
- Marshall University Parking Garage: 5 Story - 1009 car parking
- Northgate Business Park Multiple Projects:
  Sports Medicine, Ticketmaster, Thrasher Engineering, Forbes Building

ARIC MARGOLIS ARCHITECTURE PLLC

CMA
ENGINEERING

Canaan Valley Ski Rescue Patrol

Services

CMA Engineering is a West Virginia based small business firm, providing services in the areas of HVAC, plumbing, fire protection and electrical engineering. Incorporated in 1986, our firm has always believed that a successful project requires a comprehensive approach. This includes all facets of project development, starting with master planning, working closely with the client, developing the completed construction documents, and working with contractors during the bidding and construction administration phases. However, our depth of expertise goes far beyond the traditional design/bid/build service. CMA Engineering is a proven leader in the design/build delivery method. From developing the performance design criteria for owners to designing the mechanical, electrical and plumbing systems for contractors, CMA has an impressive portfolio of design/build experience.

CMA Engineering maintains its reputation of design and service quality by keeping informed of the latest innovations and technical trends regarding energy-efficiency and sustainability in mechanical, electrical and plumbing design. CMA is the engineer on record for the new West Virginia Consolidated Department of Environmental Protection Office Building, the first LEED certified building in the State. Our staff includes an accredited professional for the Leadership in Environmental and Energy Design (LEED AP BD+C) and we incorporate the most efficient and sustainable "green" designs in all of our projects.

Chief Logan Lodge

History

CMA Engineering has provided engineering design services on numerous projects of varying size and complexity. Clients include architects, contractors, developers, engineers, governmental agencies and private organizations. With offices strategically located in Charleston and Morgantown, our professional staff can provide clients with exceptional hands-on services for planning, meetings, site visits and construction administration without effecting the projects budget.

Commitment

Present staffing allows CMA to complete work in a timely manner without limiting our ability to perform our on-going work. The staff of CMA is large enough to handle any size project, yet small enough for direct input and supervision by key personnel.

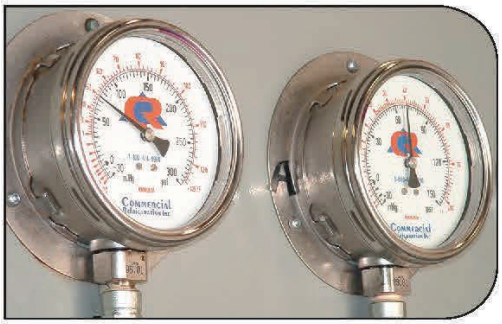
Experience

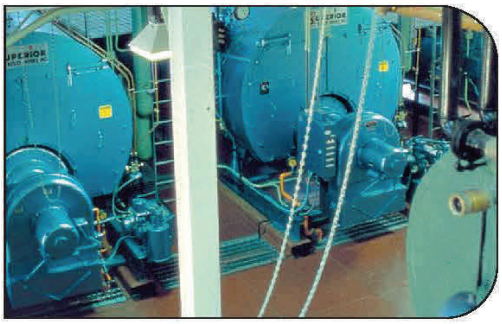
CMA has provided design for multiple WV DNR projects. Projects include the electrical upgrades to Canaan Valley Ski Resort, new cabins , bathhouse, camping sites and sewage treatment system at Beech Fork State Park, electrical upgrades to the Lodge at Cacapon State Park and mechanical, electrical and plumbing design for the Lodge and Conference Center at Chief Logan State Park.

Clingenpeel/McBrayer & Associates, Inc.

824 Cross Lanes Drive Charleston WV, 25313
(304) 343-0316 phone (304) 343-5146 fax

5 Riddle Court Morgantown, WV 26505
(304) 598-2558 phone (304) 598-2472 fax





(top) **Ruby Memorial Hospital—Morgantown, WV**
HVAC Exhaust System

(middle) **Memorial Ice Rink—South Charleston, WV**
Refrigerant Pressure Gages

(bottom) **Alderson Federal Correctional Facility—Alderson, WV**
Steam Plant

M E C H A N I C A L

CMA Engineering experience includes:

- Constant Volume Air Handling Systems
- Variable Volume Air Handling Systems
- Demand Control Ventilation Systems
- Natatorium Dehumidification Systems
- Building Energy and Management Control Systems
- Industrial Ventilation and Exhaust Systems
- Steam and Condensate Systems
- Cooling Plants and Distribution
- Heating Plants and Distribution
- Energy Recovery Systems
- Water Source Heat Pump Systems
- Low, Medium and High Pressure Air Distribution Systems
- Direct Digital, Pneumatic and Hybrid Control Systems
- Kitchen Ventilation and Exhaust Systems

CMA
ENGINEERING

Clingenpeel/McBrayer & Associates,Inc.

824 Cross Lanes Drive
Charleston, West Virginia 25313
(304) 343-0316 tel
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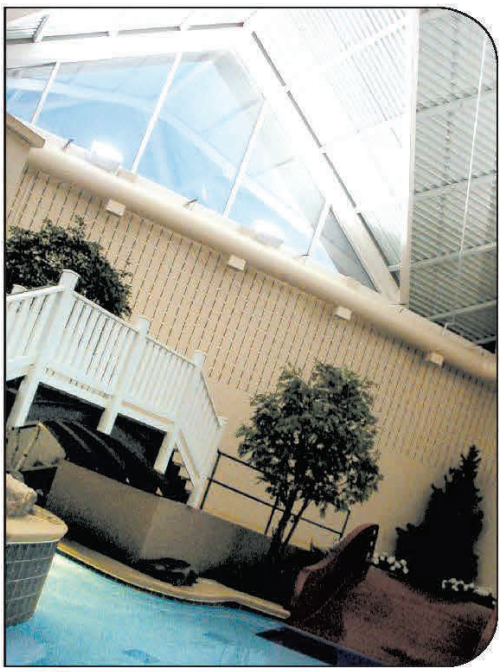
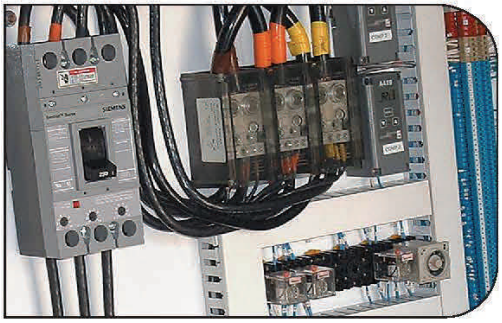
5 Riddle Court
Morgantown, West Virginia 26505
(304) 598-2558 tel
(304) 598-2472 fax

www.cmawv.com





(above) **Split Rock Pools—Snowshoe, WV**
Indirect Lighting System

(below) **Memorial Ice Rink—South Charleston, WV**
Chiller Power and Control Panel

E L E C T R I C A L

CMA Engineering experience includes:

- Underground Ducts and Utility Structures
- Intrusion Detection
- Closed Circuit Television
- Cable and Master Antenna Television
- Medium Voltage Distribution and Substations
- Secondary Voltage Distribution
- Engine Generators and Battery Inverters
- Transient Voltage Suppression
- Interior Lighting
- Exterior Lighting
- Sports Lighting
- Theatrical Lighting
- Lighting Control
- Uninterruptible Power Supply Systems
- Lightning Protection
- Intercommunications Systems
- Nurse Call
- Voice and Data Systems
- Fire Detection Systems

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ENGINEERING

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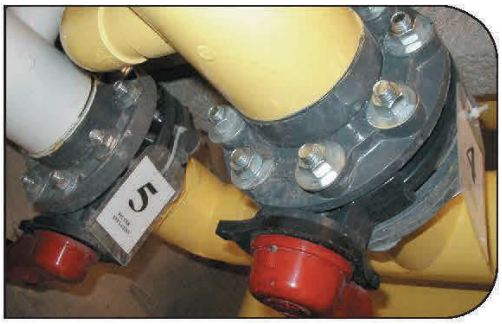

(top) **Split Rock Pools—Snowshoe, WV**
Piping & Pump Room

(middle) **Memorial Ice Rink—South Charleston, WV**
Piping & Chilling

(bottom) **Alderson Federal Correctional Facility—Alderson, WV**
Steam Piping

PLUMBING & PIPING

CMA Engineering experience includes:

- Sanitary Sewer Systems
- Storm Sewer Systems
- Natural Gas Distribution
- LP Gas Distribution
- Fuel-Oil Distribution
- Compressed Air Systems
- Vacuum Systems
- Chemical Waste Systems
- Process Water Systems
- Deionized Water Systems
- Domestic Water Systems
- Helium Distribution Systems
- Domestic Water Pumping Systems
- Sewage Pumping Systems
- Water Heating
- Automatic Fire Sprinkler Systems
- Standpipe Systems
- Fire Pumps, Storage Tanks, Service Mains
- Medical Gas Systems

CMA
ENGINEERING

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5 Riddle Court
Morgantown, West Virginia 26505
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www.cmawv.com

Timothy L. Cox, P. E., CBCP

President
Mechanical Engineer
(304) 598-2558
tcox@cmawv.com

Education

University of Colorado

Boulder, Colorado

Bachelor of Science in Mechanical Engineering

Registrations/Professional Affiliations

Registered Professional Engineer in WV, VA, MD, KY

Association of Energy Engineers-CBCP

CPD (Certified in Plumbing Engineering)

Member of ASHRAE

American Society of Plumbing Engineers

National Association of Fire Protection Engineers

WV Society of Healthcare Engineers

WV Chapter of A.I.A.

Experience

Timothy Cox, President and Senior Mechanical Engineer of CM Engineering, brings 30 years of mechanical and plumbing design experience to our clients. Timothy is a Certified Building Commissioning Professional through Association of Energy Engineers.

Project Experience

Davis Memorial Hospital

New 70,000sf Outpatient and Physicians Office Addition

Facility Main Boiler Replacement

Laundry Facility Renovation

WV Department of Corrections

St. Mary's Correctional Facility-Additions and Renovations

Industrial Home for Youth– Renovations and Upgrades

Martinsburg Eastern Regional Jail– Renovations and Upgrades

West Virginia University-Open End Contract since 1999

Coliseum Life Safety Renovations

New Soccer Stadium

New Wrestling Training Facility

Engineering Science Building Addition & Renovations

Military Experience

New Moorefield Readiness Center

New Elkins Readiness Center

Gassaway Armory Addition & Renovations

Mylan Pharmaceuticals, Morgantown, WV

Various projects including HVAC plumbing, fire sprinkler and controls for new North Plant expansion, office building, fluid bed addition, parking garage and weighing and packaging. Renovations include laundry facility renovations, Mylan Beads Facility chiller loop replacement and various mechanical, electrical and plumbing upgrades to the Main Plant, QC facility, Solvent Storage and Collins Ferry Facility.

Daniel L. Ellars, P. E., LEED AP BD+C

Principal
Electrical Engineer
(304) 343-0316
dellars@cmawv.com

Education

West Virginia University Institute of Technology

Montgomery, WV

Bachelor of Science in Electrical Engineering

West Virginia State University

Institute, WV

Bachelor of Science in Business Administration

Registrations/Professional Affiliations

Registered Professional Engineer in WV, PA

Leadership in Energy & Environmental Design-

Accredited Professional-Building Design and Construction

U..S. Green Building Council

Member of ASHRAE

National Fire Protection Association

Institute of Electrical & Electronics Engineers

WV Chapter of A.I.A.

Experience

Daniel Ellars, senior electrical engineer for CMA Engineering, brings 25 years of electrical design and project management experience to our clients.

Project Experience

Recreational Facilities

Summit Bechtel National Scout Reserve-Electrical Site Utilities

Canaan Valley Ski Resort Electrical Upgrades to Ski Lift

Educational Experience

New Talcott Elementary School

New Fairdale Middle School

Chamberlain Elementary-Elevator Addition

East Bank Middle School HVAC and Lighting Renovations

New Pikeview Middle School

Nitro High School Commons Area Renovations

Military Experience

New Moorefield Readiness Center

New Elkins Readiness Center

St. Albans Armory-Addition and Renovations

Gassaway Armory-Addition and Renovations

Welch Armory Electrical Upgrades

Bluefield Armory Electrical Upgrades

Dunbar Armory Electrical Upgrades

WV Department of Transportation

New District 1 Administration Building

New District 8 Administration Building

Statewide Facilities Electrical Analysis

Matthew C. Corathers, P.E.

Mechanical Engineer
(304) 598-2558
mcorathers@cmawv.com

Education

West Virginia University

Morgantown, WV

Bachelor of Science in Mechanical Engineering

Registrations/Professional Affiliations

Registered Professional Engineer in WV

ASHRAE

WV Society of Healthcare Engineers

Experience

Matthew Corathers, mechanical engineer, has nine years of experience in design and project management.

Project Experience

West Virginia University

New two-story Child Care Facility

Engineering Science Building– Laboratory Renovations

Housing

Genesis Youth Facility-New Facility

Fairfield Inn-New Marriott

Hospital Experience

Davis Memorial Hospital-New Addition

United Hospital Center-New MRI facility

VA Hospital, Clarksburg, WV-Renovations to Dental Lab

Mercer County Nursing Home-Addition

Military Experience

WVNG New Moorefield Readiness Center

WVNG Gassaway Armory Renovations

WVNG St. Albans Armory Addition & Renovations

WVANG Helicopter Fueling Renovations

Court Houses

Randolph County Courthouse-Mechanical design for completion of two-story addition and modifications of the existing second floor to be used by the Family Court

Monongalia County Family Court-Renovations

Larry A. Weese

Plumbing Designer
(304) 343-0316
lweese@cmawv.com

Education

West Virginia University

Morgantown, WV

Master of Science, Bachelor of Science-

Division of Forestry

Professional Development

Various seminars and technical sessions

Experience

Larry Weese brings 20 years of mechanical and plumbing design and project management experience to our clients.

Project Experience

Residential

Silver Tree Suites, Deep Creek, MD

Jefferson Place, Charleston, WV

Red Spruce Townhouse

Greenbrier Sporting Lodge

WV Department of Highways

New District 1 Administration Building

New District 8 Administration Building

Military Facilities

St. Albans Armory Addition and Renovations

Gassaway Armory Renovations

New Elkins Readiness Center

New Moorefield Readiness Center

Emergency Response Facilities

Randolph County 911-New Facility

Mason County 911-New Facility

Raleigh County 911-New Facility

Orchard Manor Fire Station-New Facility

Commercial Experience

Bobcat of Advantage Valley-New Facility

Allegheny Springs Restaurant

J. C. Penney Piping Analysis

CMA ENGINEERING

Canaan Valley Ski Resort

Unit A

Ski Rescue Patrol

Unit B

CMA Engineering provided the electrical designs and specifications for the renovations and upgrades for the winter ski facilities at Canaan Valley Resort and Conference Center. The improvements included interior remodeling of three of the existing buildings for skier services and support adjacent to two of the three main lift stations, plus a new skier warming and rest station for the relocated tube run park. Interior remodeling work included lighting, HVAC and plumbing fixture replacements. Exterior work included renovations of an outdoor plaza for skiers with pole lights and a fire pit. Two new skier conveyors were added at the site, one for a new beginners slope area and one for the new tube run park. Exterior, weatherproof, pad-mounted 480-volt, three-phase switchgear was installed at the base of the two main lifts to serve the new conveyor, site lighting and new snow making equipment for the ski slopes and at a water booster pumping station at the mid-point elevation. Similar switchgear and a transformer were installed to serve the new buildings at the tube run park, site lighting, conveyor and snowmaking equipment for the tube run slopes. New exterior lighting fixtures and hinged poles were installed adjacent to the new conveyors to provide night use of the facilities. Two existing 208-volt, three-phase power services were upgraded for the improvements. Power services for the existing buildings were upgraded to provide both ground-fault and surge protection. CMA worked closely with Monongahela Power, the local power utility, on the power services and improvements and coordinated with another electrical design consultant at the site to provide new fiber-optic telecommunications services between the ski area facilities and the Park's main lodge while other renovations were in progress at the lodge.

Owner Contact: Bradley S. Leslie, P.E.
WV Division of Natural Resources
(304) 558-2764 Ext. 51823

Clingenpeel/McBrayer & Associates, Inc.

824 Cross Lanes Drive Charleston WV, 25313
(304) 343-0316 phone (304) 343-5146 fax

5 Riddle Court Morgantown, WV 26505
(304) 598-2558 phone (304) 598-2472 fax

CMA
ENGINEERING

Summit Bechtel National Scout Reserve Scout Camp

CMA Engineering provided the electrical designs and specifications for the recently completed Summit Bechtel National Scout Reserve (SBNSR) at Mount Hope, WV. SBNSR is to serve as the new permanent home and headquarters for the Boy Scouts of America (BSA) for their quadrennial National and World Jamborees and for their annual High Adventures and other various activities and events. CMA was instrumental in the early design phases of the project to ascertain the specific needs of the BSA for the facility, to identify required power loads, and to prioritize these loads in order of their necessity. Working closely with the BSA, with a host of their national and international consultants, and with American Electric Power (AEP), CMA compiled load data and made calculations of various power scenarios for the campus. A maximum of 7 MegaWatts was allowed for the facility and the designs were completed based on value. As a result, over 20 miles of single-phase and three-phase medium-voltage cables and the associated conduits were installed underground along the roadways for the new campus comprising six different campsites and a core area spread over more than 1,000 acres. When completed, the core area is to include an amphitheater, bus terminals, visitor's center, zip-line stations, and a museum and headquarters office building for the BSA. Three separate medium-voltage circuits were provided to the west end of the site by AEP and a switching station was set up at the east end to serve the dozens of loop-fed, pad-mounted transformers which were distributed around the site at key locations to minimize voltage drop and to provide a high level of power reliability. All power and telecommunications cabling and conduits are underground. Six cellular towers on the site work in conjunction with 125 individual wireless stations at the campsites to provide wireless capabilities to all of the occupants. CMA also provided lighting and power design for the 375 bath houses on site and coordinated the interconnections between them and the campus infrastructure. The BSA christened the site in the summer of 2013 with its first National Scout Jamboree.

Owner Contact: Ken Davis
(817) 694-3042
ken@kdatexas.com

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5 Riddle Court Morgantown, WV 26505
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CMA
ENGINEERING

New Construction

Design Build- Criteria Development

West Virginia University Intermodal Parking

CMA Engineering is provided engineering services to develop performance criteria data for a new intermodal parking facility located on the Health Sciences Campus in Morgantown, WV. The initial phase of the project is to create a 500 space parking garage expandable to 1500 spaces with offices, retail and storage space.

Morgantown Events Center

CMA Engineering provided engineering services for the criteria development and preparation of RFP for Design/ Builders for new 80,000sf multi-purpose event center and parking structure.

Yeager Airport-Parking Garage

CMA Engineering provided mechanical, electrical and plumbing design services for developing the design criteria for the new design/build multi-tiered parking facility with new toll booths and employees comfort area.

Jefferson County Community Center

CMA Engineering provided mechanical, electrical and plumbing design services for developing the design criteria for new18,900sf community center which included gymnasium with bleacher seating, lobby area, activity rooms, office space, a full service kitchen,

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CMA
ENGINEERING

New Construction

University Point-Concord University

In 2009, CMA provided mechanical, electrical and plumbing engineering services for the new 16,118sf facility which houses the Erickson Alumni Center, the Wilkes Family Chapel and Wilkes Museum.

Student Union-Fairmont State University

CMA Engineering provided mechanical, electrical, plumbing, fire protection and communication systems for new 115,000sf student center. Facility includes 2 court gymnasium, indoor track, training & aerobics area, indoor pool, kitchen, lounge, information center, pro-shop, multi-purpose & meeting room space and administration area.

Fairfield Inn, Morgantown, WV

CMA Engineering provided HVAC, fire sprinkler, fire alarm, plumbing, electrical lighting/power and communications design for new 95 room facility of approximately 50,000sf with a 10,000sf open commons area.

Silver Tree Suites, Deep Creek, MD

CMA provided mechanical, electrical, plumbing, fire protection and fire detection design services for new 30,000sf residential complex consisting of four floors.

Jefferson Place, Charleston, WV

CMA Engineering provided mechanical, electrical, plumbing and fire protection design services for new medical apartment complex consisting of 24 units of one, two and three bedroom apartments.

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CMA
ENGINEERING

New Construction

Chief Logan State Park

CMA Engineering provided mechanical, electrical, plumbing and fire protection design services for the new lodge and the new conference center.

Snowshoe Mountain Resort

CMA Engineering provided design for HVAC, electrical, plumbing , fire alarm and fire sprinkler systems for new Allegheny Springs Lodge. CMA also provided engineering services for the fit-out of such restaurants as the Foxfire Grille, Junction Restaurant and Village Bistro located at the Village in Snowshoe.

Camp 4, Snowshoe, WV

CMA Engineering provided mechanical, electrical, plumbing and fire protection design services for townhouse complex consisting of four buildings with four 1,600sf units per building.

Beech Fork State Park

CMA Engineering providing mechanical, electrical and plumbing design services for 8 new cabins, a new bathhouse, 237 camping sites and sewage treatment system.

New River Gorge

CMA Engineering provided mechanical, electrical and plumbing design services for the new Visitors Center at the New River Gorge.

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CMA
ENGINEERING

New Construction

West Virginia University Child Care Center

CMA Engineering provided the design of HVAC, fire sprinkler, fire alarm, plumbing, electrical lighting/power and communications systems for the new two story child care facility at 201 Laurel Street, Morgantown, WV.

Sissonville Middle School, Kanawha County

CMA Engineering provided mechanical, electrical, plumbing, sprinkler, and data/communication/alarm/control engineering design services for the new, approximately 80,000sf facility, consisting of administrative areas, commons, auditorium, media/technology, sixth, seventh and eighth grade educational areas, laboratories, special education, food services and physical education areas.

Talcott Elementary School, Summers County

CMA Engineering provided construction documents for HVAC, plumbing, fire sprinkler, fire alarm, communication, lighting and electrical power systems for new 26, 000sf elementary school, consisting of administration areas, pre-kindergarten to fifth grade classrooms, special education, art/music, multi-purpose, dining kitchen and toilet rooms.

Comvest Office Building

CMA Engineering provided mechanical, electrical and plumbing design services for new two-story, 5,400sf office facility in Bridgeport, WV.

Ayash Community Center, St. Albans

CMA Engineering provided design for HVAC, plumbing, fire sprinkler, fire alarm systems, communication systems, lighting and electrical power for new 26,900sf community center which included gymnasium, wrestling room, fitness room, locker rooms and an open area for aerobics, dance and gymnastics.

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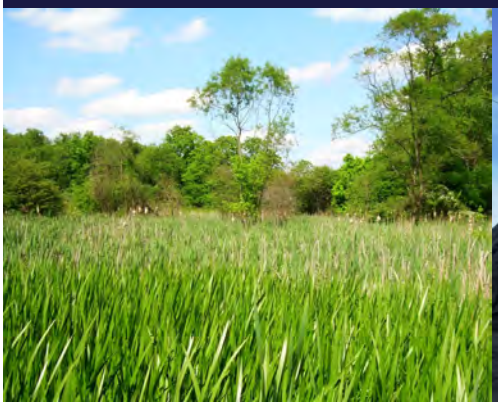
POTESTA
Engineers and Environmental Consultants

CORPORATE PROFILE

Providing Innovative, Timely, Cost-Effective Engineering and Environmental Solutions

Engineering • Mining • Remediation • Oil & Natural Gas • Environmental



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

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

CAMBRIDGE
841 Steubenville Avenue
Cambridge, Ohio 43725
(740) 432-6555

Additional information on our services and capabilities can be found on our corporate website: www.potesta.com. POTESTA

Company Overview

FIRM HISTORY

Potesta & Associates, Inc. (POTESTA) was founded in 1997 as a full service engineering and environmental consulting firm headquartered in Charleston, West Virginia. We have now expanded to a diverse staff of more than 100 experienced engineers, scientists, and support personnel with branch offices in Morgantown, West Virginia, Winchester, Virginia and Cambridge, Ohio. Our clients include mining, manufacturing and chemical companies; utility companies; waste management companies; colleges/universities; land developers; attorneys; financial institutions; insurance companies; local, state and federal agencies; construction companies and architects.

SERVICES

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

Experienced Professionals

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

Our firm is managed by three principals driving POTESTA forward with their experience and emphasis on exceeding expectations. Ronald R. Potesta, President, is a former Director of the West Virginia Division of Natural Resources and Dr. L. Eli McCoy, Vice President of Environmental, is a former Director of the West Virginia Department of Environmental Protection. Dana L. Burns, P.E., Vice President of Engineering, has more than 30 years experience with civil, geotechnical, mining and environmental engineering projects.

FIRM HIGHLIGHTS:

Established in 1997

Staff of More Than 100

Corporate Office in Charleston, WV

Regional Offices in Morgantown, WV Winchester, VA Cambridge, OH

Primarily Serve Clients East of the Mississippi River

Carry a Full Line of Insurance Coverage

Stringent Internal Quality Control System

POTESTA & ASSOCIATES, INC.

Site Design

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

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

- Surveying – Topo and Boundary
- Base Mapping from Aerial Photography
- Geotechnical Engineering
- Land Planning
- Environmental Issues Evaluation and Mitigation
- Site Grading
- Vehicular and Pedestrian Circulation
- Utility Design
- Site Features
- Stormwater Management Plans

Some clients who have used our site design services include:

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

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POTESTA & ASSOCIATES, INC.

Civil Engineering and Design

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

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

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

Our design services include:

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

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

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

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

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POTESTA & ASSOCIATES, INC.

Geotechnical Engineering

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

SUBSURFACE EXPLORATIONS

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

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

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

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

SLOPE STABILITY ANALYSIS AND REMEDIAL DESIGN

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

POTESTA's engineers can also develop preventive measures during initial project design or recommendations to repair slope failures. Based upon the project circumstances, our engineers will consider various remedial measures such as regrading the site to obtain more suitable conditions, management of groundwater, and design of retaining structures. Our staff is familiar with a wide variety

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of retaining structures, including gabion baskets, soldier beam and lagging walls, sheet piles, reinforced concrete and reinforced earth slopes.

FOUNDATION DESIGN RECOMMENDATIONS

POTESTA's staff has experience with various types of foundations and will recommend the appropriate type of foundation given the anticipated application and site conditions. The different types of foundations with which our staff is familiar are spread and strip footings, steel piles, auger-cast concrete piles, drilled piers, and reinforced mats.

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

The final recommendation can include construction drawings, technical specifications, recommendations for allowable bearing capacity, engineer's construction cost estimate, and contractor's bid sheet.

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POTESTA & ASSOCIATES, INC.

Construction Monitoring

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

Regulatory compliance is often best documented by providing full-time construction monitoring services for a construction project. POTESTA can assist clients in observation of construction activities and documenting compliance. Our typical involvement in such projects includes:

- Conducting a pre-construction review of design and contract documents to identify potential problem areas, and consultation with the owner or client to develop strategies or procedures to avoid anticipated problems.

- Assistance in contractor selection. POTESTA can recommend construction contractors who specialize in the type of work associated with the project and can assist in bid evaluation by reviewing proposed quantities, unit costs, lump sum costs, and any proposed exceptions or qualifiers for the project. POTESTA can conduct pre-bid conferences to help contractors understand project requirements. We can also conduct pre-construction conferences prior to the start of the project to help establish lines of communication, review detailed plans, discuss testing requirements and establish proper reporting procedures.

- POTESTA can provide surveying for construction layout, measurement for payment quantities, and documentation of as-built conditions. Survey results are downloaded to form computer-aided drafting (CAD) drawings allowing the efficient preparation of record drawings and any subsequent evaluations required.

- Construction monitoring can include field testing to document compliance such as field density tests, concrete testing, sampling of materials for laboratory analysis, and documentation of site conditions and work performed on a daily basis or as required.

- Preparation of summary of construction reports, including photographs, videotape documentation, test results, daily construction logs, industrial hygiene monitoring, and other documentation as may be required by the client.

- Preparation of certifications as may be required.

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POTESTA & ASSOCIATES, INC.

Environmental Site Assessment and Remediation

During the transaction of business, whether involving property transfers or the completion of environmental audits, it may be necessary to perform environmental site assessment (ESA) activities to identify actual and potential environmental liabilities and perform remediation to mitigate these liabilities. Potesta & Associates, Inc. (POTESTA) professionals have performed numerous Phase I and Phase II site assessments designed to assist clients with property assessments and are experienced with many different remediation technologies. These activities are completed in accordance with applicable environmental regulations, American Society for Testing and Materials (ASTM) guidelines and other accepted industry practices.

PHASE I: INITIAL SITE EVALUATION

The All Appropriate Inquiry (AAI) Rule (effective November 1, 2006) requires that Phase I ESAs be performed according to guidance outlined by the U.S. Environmental Protection Agency (USEPA) for the user to potentially qualify for the innocent landowner defense. POTESTA professionals conduct Phase I site assessments in accordance with ASTM Standard Number E 1527-05, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process," the standard compliant with the AAI Rule. Phase I assessments generally involve only non-intrusive methods such as deed and tax searches, review of Sanborn maps, site visits, review of regulatory files for the site and surrounding properties, and interviews with individuals knowledgeable of site history and activities.

PHASE II: SITE INVESTIGATION WITH SAMPLING

Phase II site assessments involve sampling and are generally conducted when potential contaminants or sources of contaminants have been identified during the Phase I process. Samples may be collected from structural materials (such as asbestos sampling), containers (such as drums, tanks and transformers), soil, surface water or groundwater. A Phase II site assessment may involve placement of groundwater monitoring wells.

Soil samples are typically collected with a hand auger, rotary drill rig and split spoon sampler or a direct-push sampling rig. Groundwater samples may be collected from direct-push sample borings, temporary piezometers, or groundwater monitoring wells. Established sampling methods, preservation and decontamination procedures are strictly adhered to during sampling events. Samples are submitted to a qualified laboratory and analyzed for potential contaminants identified during the Phase I process or field observations. POTESTA professionals review the analytical results to determine if additional site assessment is necessary. Data generated during the Phase I and Phase II assessment processes are utilized to establish the nature and extent of environmental liabilities.

Phase I and Phase II activities may be combined to increase efficiency and reduce overall cost.

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REMEDIATION

The presence of regulated contaminants exceeding regulatory limits may require the development of a remedial action plan. Our staff utilizes data generated during the Phase I and Phase II activities to develop cost-effective remedial alternatives based on site-specific criteria. Interaction with regulatory agencies is often vital to the success of remedial activities.

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POTESTA & ASSOCIATES, INC.

Asbestos Abatement Services

Potesta & Associates, Inc. (POTESTA) is an engineering and environmental consulting firm whose staff of professionals has completed numerous asbestos abatement services. Our qualified personnel can assist you with:

- Building Inspections for Asbestos-Containing Building Materials
- Liaison with Regulatory Agencies
- Completion and Submittal of Notification of Abatement, Demolition and Renovation Forms to the Appropriate Regulatory Agencies
- Project Abatement Design Plans
- Selection of Qualified Asbestos Abatement Contractors
- Preparation of Bidding and Contract Documents
- Participation in Pre-Bid and Pre-Abatement Meetings
- Monitoring of Contractor Work Procedures During Completion of Asbestos Abatement Activities

BUILDING INSPECTIONS

State and federal regulations require that an asbestos inspection be performed by a licensed asbestos inspector prior to abatement, demolition or renovation activities. POTESTA has West Virginia and Virginia Licensed Asbestos Inspectors on staff that have conducted several hundred asbestos inspections and produced reports presenting the results of these inspections.

REGULATORY ASSISTANCE

A Notification of Abatement, Demolition and Renovation form must be completed and submitted to appropriate regulatory agencies prior to project start-up. POTESTA has developed strong working relationships with these agencies and can assist you in producing notification forms for your asbestos abatement projects.

PROJECT ABATEMENT DESIGN PLANS

State and federal regulations require that a project abatement design plan be developed by a licensed asbestos abatement project designer. The design plan establishes procedures for abatement of asbestos-containing materials and methods for protecting workers, the public and the environment from releases of asbestos fibers. POTESTA currently has a West Virginia Licensed Project Designer on staff who has been involved in the development of several asbestos abatement design plans.

ENGINEERING AND PROJECT MONITORING ASSISTANCE

POTESTA's asbestos abatement services also include preparing specifications, cost estimates, and bidding documents; soliciting bids from qualified contractors; assisting in the selection of a contractor; providing project management during completion of abatement activities; and monitoring contractor adherence to specifications, verifying pay quantity, and participating in dispute resolution.

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VARIOUS STRUCTURES SCHEDULED FOR DEMOLITION ON HIGHWAY RIGHTS-OF-WAY

West Virginia Department of Transportation, Division of Highways
Various Locations in West Virginia

Potesta & Associates, Inc. (POTESTA) is currently under contract to the West Virginia Department of Transportation, Division of Highways (WVDOH) to perform asbestos inspection services on structures scheduled for demolition on highway rights-of-way. The following services are being provided by POTESTA.

POTESTA performs asbestos inspection of structures identified by the WVDOH and produces reports detailing findings of the inspections. These reports include tables listing sampling locations, number of potential asbestos containing materials (pacm), samples collected from each homogeneous area, estimated amount of pacm for each homogeneous area, and laboratory analytical results for each sample. Color photographs of the sample locations are also included in the reports. These reports are included in the bid package provided to prospective demolition contractors.

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Charleston, WV • Morgantown, WV • Winchester, VA • Cambridge, OH
(304) 342-1400 • www.potesta.com

Project Abstract

DOCTOR'S MEMORIAL BUILDING DEMOLITION
Marshall University

Huntington, West Virginia

Potesta & Associates, Inc. (POTESTA) worked under contract to Marshall University to prepare plans and specifications related to the demolition of the Doctor's Memorial Building located on 6th Avenue in Huntington, West Virginia. The masonry building was constructed in several phases and, as a result, contained a variety of construction materials. POTESTA worked with the University to prepare a bid package for the work, including specifications and contractor requirements to ensure that the razed debris was adequately handled, transported and disposed of in a permitted facility. Key personnel involved in the project attended both the pre-bid and pre-construction meetings to provide technical assistance to the owner.

POTESTA also prepared a post-demolition site grading plan which included the placement of compacted clean backfill in voids resulting from the demolition of basement areas and foundation elements of the structure. The site was cleared to provide access for the construction of a surface parking lot. POTESTA made recommendations for temporary surface water collection structures at the site. These structures were connected to the adjacent municipal storm sewer system. Future plans are to pave the parking lot and to construct permanent storm water drainage and control structures at that time.

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Project Abstract

ASBESTOS INSPECTION AND SAMPLING PRESTONIA PREPARATION PLANT
Juliana Mining Company, Inc.

Webster County, West Virginia

Potesta & Associates, Inc. (POTESTA) was retained by Juliana Mining Company, Inc. to perform an asbestos inspection and sampling of the Prestonia Prep Plant located north of the community of Erbacon, Webster County, West Virginia.

POTESTA's tasks for the project include:

1. The inspection for suspected asbestos containing materials (ACM) was conducted by a West Virginia licensed asbestos inspector and included nine structures:

   - two loadout/transfer facilities,
   - one maintenance shop,
   - one bathhouse,
   - one truck loadout facility,
   - one main 6-story coal preparation plant building,
   - two rail loadout facilities, and
   - one restroom facility.

   The inspected structures are located in Braxton and Webster counties.

2. Selection of a West Virginia certified laboratory to analyze samples for asbestos by polarized light microscopy (PLM) with dispersion staining techniques according to United States Environmental Protection Agency (USEPA) "Interim Method For Determination of Asbestos in Bulk Insulation Samples, July 1993" (EPA/600/r-93/116).

3. Quantify and characterize identified ACM.

4. Recommend proper handling procedures and disposal methods for ACM disturbed during renovation and demolition activities.

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Project Abstract

PHASE I AND LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT INCLUDING PRELIMINARY ASBESTOS SURVEY

Jackson County Newspaper

Ravenswood, West Virginia

Jackson County Newspaper Printing Facility

Potesta & Associates, Inc. (POTESTA) performed a Phase I and Limited Phase II Environmental Site Assessment (ESA) and preliminary asbestos survey at the Jackson County Newspaper property located at Race Street in Ravenswood, Jackson County, West Virginia. The site is comprised of two separate parcels. Parcel 1 is a vacant lot, encompassing approximately 0.75 acres. Parcel 2 is approximately 0.371 acres, and is the location of the newspaper publishing building. POTESTA completed the ESA as an inquiry designed to identify recognizable environmental conditions that may pose a threat to the character of the property, facilities and individuals. POTESTA's scope of services consisted of the following components: (1) records review, (2) site reconnaissance, (3) interviews, (4) subsurface sampling, (5) preliminary asbestos survey, and (6) evaluation and report.

POTESTA conducted a site reconnaissance of the property in December 2001. POTESTA observed stained concrete in the dark room. Floor drains were observed in the basement of the facility. Staining was not evident near these drains. POTESTA conducted subsurface sampling in the area of the sanitary sewer line exiting at the facility. POTESTA did not observe permitted storm water discharge points during the site reconnaissance.

Soil Boring During Limited Phase II ESA

POTESTA advanced a total of 11 soil borings at the site, collected soil and groundwater samples, and submitted selected samples for laboratory analyses. Limited Phase II ESA methodology was developed based on three potential sources of impact to soil and/or groundwater at the site. These included potential impact to soil and groundwater from Underground Storage Tanks (USTs) and former USTs near the site, PCE contaminated groundwater in the City of Ravenswood, and current and historical site activities.

POTESTA did not identify evidence of recognized environmental conditions in connection with the subject property.

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

Project Abstract

PHASE I & II ENVIRONMENTAL SITE ASSESSMENT - KELLY FIELD TRACT

City of Charleston, Sanitary Board

Potesta & Associates, Inc. (POTESTA) performed a Phase I Environmental Site Assessment (ESA) in general accordance with the scope and limitations of the American Society for Testing and Materials (ASTM) Standards for the Union Carbide Corporation (UCC) Kelly Field Tract (site). POTESTA submitted a report, *Phase I Environmental Site Assessment, Union Carbide Corporation, Kelly Field Tract - Western Section.* The purpose of the Phase I ESA was to conduct an inquiry designed to identify recognizable environmental conditions associated with the property through record reviews, site reconnaissance and interviews with appropriate individuals. The assessment was conducted in general accordance with practices commonly accepted by professionals in the field of assessments for real estate transactions.

In the Phase I ESA, POTESTA recommended further environmental testing be performed on the Western Section due to the potential for the site to be impacted by organic and inorganic contaminants. One of POTESTA's Licensed Remediation Specialists (LRSs) then prepared a Phase II Environmental Site Assessment Work Plan (Work Plan) that would meet the requirements of the West Virginia Voluntary Remediation Program (VRRP). The scope of the Work Plan included soil sample collection, field screening, installation of monitoring wells, groundwater sampling, and laboratory analyses. The purpose of the Phase II ESA was to determine the current environmental condition of the site via soil and groundwater sampling.

Groundwater Sampling at MW-10

Drilling at MW-11

POTESTA used a Geoprobe® direct-push unit mounted on a 4x4 truck to advance 23 soil borings using a Macro Core sampler (1.5" I.D.). Fifty-one (51) soil samples collected from 23 soil borings on the site were submitted for laboratory analysis for the Contaminants of Potential Concern (COPCs). Results were compared to the Residential and Industrial Risk-Based Concentrations (RBCs) listed in the Voluntary Remediation and Redevelopment Act (60CSR3).

Four monitoring wells were installed on-site using rotary drilling techniques. Water levels in the monitoring wells were used to determine the direction of groundwater flow. Analytical results for samples collected from the four monitoring wells were compared to the Groundwater Risk-Based Concentrations. The Interim Final Phase II ESA Report was submitted to the Charleston Sanitary Board. Based on the results of this assessment, POTESTA recommended continued groundwater monitoring to further evaluate and track groundwater quality at the site.

DANA L. BURNS, P.E.
Vice President

EDUCATION

M.S. Civil Engineering, 1979
West Virginia University

B.S. Civil Engineering, 1978
West Virginia University

EMPLOYMENT HISTORY

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

PROFESSIONAL REGISTRATION

Professional Engineer – West Virginia, Illinois

PROFESSIONAL CERTIFICATION

40-Hour Health and Safety Training

PROFESSIONAL AFFLIATIONS

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

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

Vice President of Engineering

Directs engineering division including day-to-day operation of headquarters and three branch offices concerning staffing, coordination, training, business development; safety education and overall management of technical and support staff concerning water and waste water, municipal, solid waste management, hazardous waste management; geotechnical, general civil and environmental engineering; mining and reclamation, etc.

Former Consulting Experience

Vice President of Engineering (Terradon Corporation) and Branch Manager (GAI Consultants) within the consulting engineering industry with the responsibility of overall management of office including technical and support staff. Mr. Burns directed design, staffing, coordination, training, business development; safety education and overall management regarding the office's expertise within water and waste water, municipal, solid waste management, hazardous waste management; geotechnical, general civil and environmental engineering; and mining and reclamation disciplines.

CHRISTOPHER A. GROSE

Senior Engineering Associate, Licensed Remediation Specialist

EDUCATION

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

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

EMPLOYMENT HISTORY

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

PROFESSIONAL REGISTRATIONS

Licensed Remediation Specialist – West Virginia

PROFESSIONAL CERTIFICATIONS

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

PROFESSIONAL AFFILIATIONS

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

AREAS OF SPECIALIZATION

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

PROFESSIONAL EXPERIENCE

Geotechnical

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

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

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

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

ESAs (Phase I, II, and III)

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

DAVID B. SHARP, P.E.

Branch Manager

EDUCATION

M.S. Civil Engineering, 1995
West Virginia University

B.S. Civil Engineering, 1993
West Virginia University

EMPLOYMENT HISTORY

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

PROFESSIONAL REGISTRATION

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

AREAS OF SPECIALIZATION

Involved in many aspects of civil engineering with a special interest in the geotechnical/environmental aspects. Responsibilities have included projects involving civil site design, geotechnical design, solid waste management facility design including geosynthetic applications, hydrologic and hydraulic design, transporation/highway projects, including geotechnical and right-of-way plans, and municipal water and wastewater projects.

PROFESSIONAL EXPERIENCE

Civil/Site Design

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

- West Run Student Housing – 1,000 bed student housing project in Morgantown, West Virginia
- Copper Beach – 1,000 bed student housing project in Morgantown, West Virginia
- Summit at Cheat Lake Residential Development in Morgantown, West Virginia
- WVU Beechhurst Parking Lot in Morgantown, West Virginia
- Morgantown Technical Services Industrial Expansion in Mt. Morris, Pennsylvania
- Jos' Globe Floodplain Development in Morgantown, West Virginia
- Churchhill Village Complex in Morgantown, West Virginia

Geotechnical

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

- WVU Potomac State Building Addition in Keyser, West Virginia
- WVU Engineering Sciences, East Wing Addition in Morgantown, West Virginia
- Suncrest Executive Office Plaza and Parking Garage in Morgantown, West Virginia
- Morgantown Waterfront Marina in Morgantown, West Virginia
- West Run Student Housing in Morgantown, West Virginia
- Sunoco Service Station in Robinson Township, Pennsylvania

VICTOR M. DAWSON
Professional Surveyor

EDUCATION

A.S. Land Surveying, 1983
Glenville State College

EMPLOYMENT HISTORY

1998-Present	Potesta & Associates, Inc.
1993-1998	Dunn Engineers
1998-1993	Woolpert Consultants
1986-1988	W.K. Dickson and Company
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 REGISTRATION

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

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, Board of Directors 2005-2006

AREAS OF SPECIALIZATION

Expert Witness/Case Preparation and Accident Surveys, ground control, construction stakeout, topographic mapping, boundary and property surveys including ALTA surveys, and construction surveys for layout of work, record drawings, and quantity measurements. Related areas include courthouse research, location/verification of utilities, preparation of right-of-way plans, and verification of property owners.

PROFESSIONAL EXPERIENCE

Surveying

Office, Business, and Industrial

- Wal-Mart – Construction layout for parking, roadways, curb and gutter, and utilities for new store in Barboursville, West Virginia.
- National Lumber Plant Site – Crew Chief/Survey Supervisor for boundary and topographic survey, construction stakeout for plant site in Roane County, West Virginia.
- BIDCO – Boundary and topographic survey of several parcels in the development and stakeout of spec building and parking lots in Kanawha County, West Virginia.

Construction Stakeout

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

ALTA Land Title Surveys

- Coolfont Resort – Project Manager for boundary survey on 920 acres in Morgan County, West Virginia.
- Pison Development – Crew Chief/Project Manager for ALTA survey and construction layout for six housing development in Kanawha, Mason, Randolph, and Ritchie Counties, West Virginia.
- Emmanuel Baptist Church – Crew Chief/Project Manager for church in Charleston, West Virginia.

JARRETT M. SMITH
Senior Engineer

EDUCATION

B.S. Civil Engineering, 2002
West Virginia University Institute of Technology

A.S. General Science, 2000
West Virginia University

EMPLOYMENT HISTORY

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

PROFESSIONAL REGISTRATION

Professional Engineer – West Virginia

PROFESSIONAL CERTIFICATION

40-Hour Hazardous Waste Training
Troxler Nuclear Density Equipment Operator

AREAS OF SPECIALIZATION

Involved in many areas of civil engineering. Project responsibilities include civil site design, hydrologic and hydraulic design, grading plans, water line plans, sewer line plans, roadway layout, utility design, and stormwater management plans.

PROFESSIONAL EXPERIENCE

Civil/Site Design

Development of grading plans, cut/fill analysis, utility design/layout, engineer's cost estimates, preparation of permit applications, consulting with clients, architects, regulatory agencies, and municipalities.

- Pison Development – 10 apartment complex projects
- Double C Enterprise – Kenna Ridge Business Park
- Tricor Development – Hurricane Market Place Parcels A and B
- Green Eagle Development – four residential site development projects
- Ervin Development – Woodstock commercial site development project
- MDG Development – Oakland subdivision

Detailed design, prepraration of construction drawings, technical specifications, cost estimate, contractor's bid documents, review and recommendation of contractor's bids, and review of shop drawings,

Tucker County Industrial Park – water and sewer line expansion
ZMM – Bradshaw High School project
Dunlap Builders – West Run Student Housing
Allegheny Energy Supply's Fort Martin Power Station – fly ash landfill expansion project

Flood Studies/Storm Water Managment

Development of hydraulic modeling of watersheds for existing and proposed conditions to determine flood levels and the impact on the properties of local residents, overseeing of cross sectional surveying and mapping development. Project's scope included fill within the floodplain, new residential and commercial development within the floodplain, obtaining the original computer model of floodplain data from the United States Army Corps of Engineers, and coordination with local floodplain manager.

Pison Development – Mineral Manor apartment complex
Cooper Beech – townhouse development project
Jo's Globe Distribution – expansion project
Blue Ridge Builders – Cheat Landing Development

PETER S. POTESTA
Engineer

EDUCATION

B.S. Civil Engineering, 2011
West Virginia University

B.A. Environmental Geosciences, 2007
West Virginia University

EMPLOYMENT HISTORY

2011-Present Potesta & Associates, Inc.
1999-2011 Potesta & Associates, Inc. (summers)

PROFESSIONAL CERTIFICATION

Troxler Moisture Density Gauge

AREAS OF SPECIALIZATION

Civil Engineering with a focus in geotechnical engineering, slope stability analysis, civil/site design, construction monitoring, and soil compaction testing.

PROFESSIONAL EXPERIENCE

Geotechnical

Working involving boring location layout, slope stability design, preparation of samples to laboratory, foundation recommendations, soil and rock visual classification, and soil slope reviews and recommendations.

- Pribble Tank Landslide Repair
- Potts Pad Landslide
- Huntington Giger Street Slip
- Potoczny Landslide Repair
- Pleasant Lane Landslide
- MW3 Intersection Landslide
- Vickie Moreland Retaining Wall
- Greer Rowlesburg site design and slip repair
- Bona Vista Retaining Wall
- City of Charleston – Grandview Slip Repair

Columbia Pipeline Partners, LP – Project Manager for geotechnical exploration and foundation recommendations for various Columbia compressor stations.

- Waynesburg, Pennsylvania
- Greencastle, Pennsylvania
- Gettysburg, Pennsylvania
- Strasburg, Virginia
- Files Creek, West Virginia

Aboveground Storage Tank Inspection and Registration for various clients.

Civil/Site Design

Development of grading plans, cut/fill analysis, utility design/layout, engineer's cost estimates, consulting with clients, architects, regulatory agencies, and municipalities.

Stone Energy – Conley Well Pad design
Antero – Cortese & Lockard Well Pad design
Stonerise Healthcare – Addition project

DENNIS L. LITWINOWICZ, LRS
Senior Scientist

EDUCATION

B.S. Geology and Mineralogy, 1980
The Ohio State University

EMPLOYMENT HISTORY

1999-Present	Potesta & Associates, Inc.
1995-1999	Pennzoil Company
1987-1995	W.E. Shrider Company
1982-1987	Geological Consultant
1980-1982	Hopco Resources

PROFESSIONAL REGISTRATION

Licensed Remediation Specialist, #89 – West Virginia
Certified Petroleum Geologist, #4844 – AAPG

PROFESSIONAL CERTIFICATION

OSHA 40-Hour Hazardous Waste Worker Training

PROFESSIONAL AFFILIATIONS

American Association of Petroleum Geologists
Ohio Geological Society
Ohio Oil and Gas Association
West Virginia Oil and Gas Association

AREAS OF SPECIALIZATION

Environmental permitting, assessment and remediation, environmental compliance, soil and groundwater investigations and remediation of contaminated sites, remediation project design, management and supervision, Phase I and II Environmental Site Assessments and remediation, site characterization (multimedia sampling plan design, human health and ecological risk assessment, risk based correction action, and voluntary remediation/brownfield projects.

PROFESSIONAL EXPERIENCE

Brownfields/VRRA

For multiple projects preparing and submitting Voluntary Remediation Applications, Voluntary Remediation Agreements (including client/agency coordination and input to develop project goals/timetables), site specific site assessment work plans, health and safety plans, quality assurance project plans, human health and ecological risk assessments, screening and selection of remedial/remedy alternatives, remediation works plans, and participation in community relations and stakeholder presentations.

ESAs (Phase I, II, and III)

Phase I Environmental Site Assessments on commercial and industrial properties. Several recommendations for Phase II ESA.

Phase II Environmental Site Assessments for commercial and industrial sites.

Site Charactertizations - Assessment of air, soil, ground and surface water, sediment through computer modeling, soil borings, piezometers and monitoring wells.

Experience with intrusive site sampling using Geoprobe®, drill augers, and trenching equipment.

Creation of Investigation Derived Waste Plans.

Partcipated in review of West Virginia CERCLIS files.

Site Assessment Work Pland and Quality Assurance Project Plan for potentially dioxin contiminated facility.

DAVID J. CORSARO, LRS
Senior Scientist

EDUCATION

M.S. Environmental Science, 2008
Marshall University

B.S. Safety Technology, 1999
Marshall University

EMPLOYMENT HISTORY

2000-Present Potesta & Associates, Inc.
1997-2000 Clearon Corporation

PROFESSIONAL REGISTRATION

Licensed Remediation Specialist – West Virginia
Certified Monitoring Well Drilling – West Virginia

PROFESSIONAL CERTIFICATION

40-Hour HAZWOPER
Method 9 Emissions Evaluation

AREAS OF SPECIALIZATION

Educational background in industrial health/safety and environmental science. Project management and field experience includes Phase I, Phase II, Voluntary Remediation, and LUST site assessments, remediation of various types of commercial and industrial sites, and environmental emergency response.

PROFESSIONAL EXPERIENCE

ESA's (Phase I, II, and III)

Numerous Phase I Environmental Site Assessments (ESA) (according to ASTM guidelines), including site reconnaissance and interview, regulatory records review, and subject property deed review. Examples of Phase I ESA experience includes:

- Small tracts of land for cell tower site leases
- Former and operating service stations and convenience stores
- Newspaper printing facility
- Apartment complex; used car dealership
- Former coal mining supply warehouse
- Former exterminator company office/facility
- Dry cleaning facility
- LUST sites

Numerous Phase II Environmental Site Assessments (ESA), including soil boring advancement and sampling, and monitoring well installation and groundwater sampling. Examples of Phase II ESA experience includes:

- Various commercial/industrial sites
- Newspaper printing facility
- Former exterminator company office/facility
- Former Department of Highways sign and paint shop
- UST/LUST site
- Metal scrap operations
- Glass plants

Participated in review of more than 1,000 state CERCLIS files as an audit for West Virginia Department of Environmental Protection file system.

Brownfields/VRRA

Completed site assessment reports for several sites enrolled in the Brownfield/Voluntary Remediation Program. The sites included:

- Former and active scrap metal recycling facilities
- Former glass manufacturing facilities
- UST/LUST sites
- Former zinc smelting plant

CHRIS C. JACKSON
Staff Scientist

EDUCATION

M.S. Environmental Science, 2006
Marshall University

B.S. Environmental Science with Geology Concentration, 2000
Marshall University

EMPLOYMENT HISTORY

1999-Present	Potesta & Associates, Inc.
1998-1999	Lowe's Home Improvement
1995-1996	Sheldon Burgess Community Center (summers)

PROFESSIONAL CERTIFICATION

Licensed Asbestos Inspector – West Virginia
OSHA 40-Hour HAZWOPER
Troxler Nuclear Gauge Density
Compaction/Radiation Training
Method 9 Visual Emissions

AREAS OF SPECIALIZATION

Phase I and Phase 11 site assessments, asbestos inspections and sampling events, construction monitoring/observation, voluntary remediation, LUST site assessments, remediation of various types of commercial and industrial sites, surveying, biological sampling, water chemistry sampling, and field testing of materials.

PROFESSIONAL EXPERIENCE

Asbestos

Performed building inspections, proposals, and report writing for more than 75 asbestos inspections in general accordance with the procedures contained in the National Emissions Standards for Hazardous Air Pollutants (NESHAP) standard, Title 40 Code of Federal Regulations Series 61, Subpart M and West Virginia Title 64 Code of State Regulations Series 63, "Asbestos Containing Materials (ACM)".

- West Virginia Department of Highways (statewide)
- Logan General Hospital properties – Logan, West Virginia
- URS Corporation, Inc. – Charleston, West Virginia
- Spelter Iron Smelting Plant – Clarksburg, West Virginia
- American Red Cross – Charleston, West Virginia
- Coal mine structures (including coal preparations plants and loadouts)
- Apartment complexes
- Motels
- Numerous commercial, industrial, and residential sites

Blue Creek and Alloy Mine Properties – Determined asbestos proposal and demolotion costs on several structures.