



**Expression of Interest  
West Virginia National Guard  
Camp Dawson Cottage Renovation  
CEOI ADJ2000000004  
February 13, 2020**



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WV PURCHASING  
DIVISION

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



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February 14, 2020

State of West Virginia  
Department of Administration, Purchasing Division  
2019 Washington St. E.  
Charleston, WV 25305

**Subject: Cottage Renovation Design Camp Dawson EOI, CEI ADJ2000000004**

Dear Sirs and Madams,

Montum Architecture, LLC is pleased to submit this Statement of Qualifications to provide architectural and engineering services. Montum is headed by Tom Pritts, an architect with 15 years of experience designing a multitude of project types. He will be the primary contact for the duration and provide all architectural design and construction administration services. Tom has extensive experience in major projects, including efforts for Wyoming County Schools, WVU, WV Division of Natural Resources, and Clear Mountain Bank.

Montum has teamed with Miller Engineering, Inc. to provide mechanical, electrical, and plumbing design services. Experience-based design is a keystone to their approach to your project.

Blaine Accord of EarthRes will be the structural engineer for the project. Tom and Blaine have a common employment history, completing dozens of designs together.

Potesta & Associates will provide geotechnical and utility location services as needed as part of this team. Potesta has vast experience working at Camp Dawson and are a great resource for knowing the utilities at the site.

Thank you for taking the time to review the attached information about the design team and we are grateful for your consideration.

Respectfully submitted,  
**Montum Architecture LLC**

  
Thomas Pritts, AIA, CSI-CCS, LEED-AP

*Montum* Architecture, LLC

37 ER Path, Keyser, WV 26726 • 304-276-7151 • tom@montumarch.com  
montumarch.com



## TAB 1 –FIRM QUALIFICATIONS





### **Montum Architecture**

Montum Architecture, LLC was founded in 2017 to provide architectural design services to clients in West Virginia and western Maryland. Staff includes one licensed architect performing all tasks and duties. This ensures the utmost coordination of building plans and specifications with minimal potential for miscommunication.

### Legal Organization

Montum Architecture is a Limited Liability Corporation initially filed in the State of West Virginia. The company is also registered in the State of Maryland as a foreign LCC.

### Communication

Tom Pritts will be the primary point of contact for Montum's architectural services. Montum will manage communications with sub-consultants on this project.

### Project Budget

Previous work experience has shown a consistent +/-2% bid-to-budget ratio.

### Project Schedule

Montum will monitor and adjust the design tasks in order to complete the design work on the established timetables. They will also work diligently during project construction to maintain the contractual constraints placed as part of the contractor's bid.

### Design Software

Montum utilizes Autodesk Revit for all design projects incorporating three-dimensional modeling and parametric reporting.



### Firm Profile

*MILLER ENGINEERING is a solely held (S) corporation owned by Craig Miller PE, President. The corporation maintains a Certificate of Authority with the WV State PE Board and has carried professional liability insurance since its inception. Neither the firm nor its professional engineers have ever faced disciplinary action in any form from the states in which they are registered.*

*Our engineered solutions involve a detailed assessment process. We approach each and every project with the guiding principle that buildings are designed to be livable and function in their intended purpose with reasonable maintenance. Neither the firm nor its professional engineers have ever faced disciplinary action in any form from the states in which they are registered.*

*Over the past 17 years Miller Engineering, Inc. (MEI) has engineered solutions in MEP system upgrades, repairs and renovations for projects of all scopes and sizes, with clients ranging from private owners to local and state governments. With a strict attention to detail and commitment to delivering a job done well and done right the first time, every time, **MEI has accumulated a change order percentage of less than 0.1% over the past 10 years.***

*Our team has unique skill-sets regarding engineered renovation solutions. Each member of the team has hands-on mechanical system experience including installation, construction, design and facilities operations.*

*Miller Engineering takes pride in being **different by design**, and that difference shines through in all phases of our work and continued relationships with our clients.*

#### Additional Benefits

- Experienced and Licensed Professional Engineers
- Quality, Value-Engineered Project Delivery
- Qualified Construction Representative on Staff
- LEED-AP Certified
- Below Industry Change Order Status
- Building Information Modeling
- Interactive Solutions Provider
- Emergency Facility Response



### Engineering Design and Consultation

- Mechanical
- Electrical
- Plumbing
- HVAC Design
- Renovation
- New Construction
- Building Information Modeling

#### HVAC Design

Commerical, Institutional  
Educational

Bldg, and District Chiller Plants  
Pklumbing and Piping

#### Construction Administration

Maintenance/Facility Plans  
Contract Administration  
Code Observation

#### Communication System

Intercomm & Public Address  
Voice/Data/CATV

#### Energy

Power Supply (Main/ Standby)  
Green & Renewable Consulting  
Systems Utilization & Upgrades  
Emergency Power systems

#### Facility Utilization

Energy Conservation Projects  
Adpative Re-use

Planning/Life-Cycle Control  
Engineered Replacement

Life Safety, Fire Alarm/ Sprinkler  
Access Control

Emergency Response

#### Industry Experience

Education

Local & State Government

Commercial Development

Healthcare

Department of Parks &

Recreation

Industrial

# CORPORATE PROFILE

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



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



## Offices in:

### **CHARLESTON**

7012 MacCorkle Avenue, SE  
Charleston, WV 25304  
(304) 342-1400

### **MORGANTOWN**

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

### **WINCHESTER**

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

## 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 79 experienced engineers, scientists, and support personnel with branch offices in Morgantown, West Virginia, and Winchester, Virginia. 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
- Asbestos Inspection
- Biological and Toxicological
- Civil Engineering and Site Design
- Coal Supply and Procurement
- CADD
- Construction Monitoring
- Environmental Emergency Response
- Environmental Site Assessment
- Geographic Information Systems
- Geotechnical Engineering
- Groundwater
- Hydrology and Hydraulics
- Landfills and Solid Waste
- Litigation Support
- Marcellus Shale Natural Gas
- Mining
- Mixing Zone Analysis
- Occupational Safety and Health
- Oil and Natural Gas
- Permitting
- Remedial
- Roadway Engineering
- Stream Restoration
- Storage Tanks
- Surveying and Mapping
- Water Quality Studies
- Water and Wastewater
- Wetlands



## Experienced Professionals



Ronald R.  
Potesta  
President

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.



Dana L. Burns  
Vice  
President

Our firm is managed by two 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 Dana L. Burns, P.E., Vice President of Engineering, has more than 39 years experience with civil, geotechnical, mining, and environmental engineering projects.

### FIRM HIGHLIGHTS:

Established in 1997

Experienced Staff of 79

Corporate Office in  
Charleston, WV

Regional Offices in  
Morgantown, WV  
Winchester, VA

Primarily Serve Clients  
East of the  
Mississippi River

Carry a Full Line of  
Insurance Coverage

Stringent Internal  
Quality Control System





**Thomas Pritts, AIA, LEED-AP, CSI-CCS**

Tom founded Montum Architecture in 2017. He has more than 15 years experience in design, specification, and project management. During his former employment, Tom has designed and managed dozens of built projects. His experience encompasses a wide range of projects including K-12 and higher education facilities, financial Institutions, emergency services buildings, and automotive dealerships. A native of Mineral County, Tom is member of the West Virginia Chapter of American Institute of Architects and was involved in the establishment of the US Green Building Council's West Virginia chapter. He is highly skilled in the design of complex building systems, technical construction detailing and specifying, and construction contract administration. These skills were critical in the development and maintaining of many multi-year, multi-project relationships with Clients in his previous employment.

**Project Role: Relationship Manager – Primary Point of Contact**

- Principal in Charge
- Design and Project Management
- Concept and Construction Design
- Quality Assurance and Control

**Professional History**

2017- Present	Montum Architecture	Architect
2004-2017	Alpha Associates	Associate and Architect
2003	Marshall Craft Associates	Architectural Intern

**Education**

2004	Virginia Tech	Bachelors of Architecture
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**Licenses and Certifications**

- Licensed Architect (West Virginia, Maryland)
- NCARB Certificate
- Construction Specifier Institute – Certified Construction Specifier
- LEED-AP Certified
- Part 107 Remote Pilot
- 30-hour OSHA Card

**Associations and Memberships**

- American Institute of Architects
- Mineral County Chamber of Commerce – 1<sup>st</sup> Vice President

**Professional Project Highlights**

- Potomac State College – Bachelor of Nursing Renovation
- Wyoming East High School HVAC Renovation – Wyoming County Schools, WV
- Mountainview and MTEC HVAC Renovation – Monongalia County Schools, WV
- Berkeley Springs State Park – Pool Bathhouse Roof Replacement
- Berkeley Springs State Park – Old Roman Bath Renovation
- Blackwater Falls State Park – Boiler Room Renovation
- Our Lady of the Mountains Parish – Bathroom Renovation
- Mountain View Assembly of God – Rec Hall Ceiling Design

**Professional Project Highlights (former employment built projects)**

# Montum

## Architecture

- Potomac State College – ADA Connector Building, Church-McKee Plaza, Shipper Library Façade
- WVU Engineering Sciences Building – East Wing Addition, 10<sup>th</sup> Floor Fit-Out, Basement Renovation
- WVU Engineering Research Building – G07 & G08 Renovation
- WVU Equine Education Center
- WVU College of Physical Activities and Sports Sciences/ Student Health Center
- WVU Center for Alternative Fuel Engines and Emissions
- WVU Colson Hall Water Infiltration Repairs
- WVU Mountainlair Water Infiltration Repairs
- WVU Chemistry Research Laboratories Fit-Out
- WVU Creative Arts Center Wheelchair Lift
- Alderson Broaddus University – Pyles Arena Deck Replacement
- Glenville State College – Morris Stadium Skybox
- Washington High School, Jefferson County Schools, WV
- Pineville Elementary School, Wyoming County Schools, WV
- Huff Consolidated School, Wyoming County Schools, WV
- Aurora School Addition, Preston County Schools, WV
- Riverview High Field House Design-Build, McDowell County Schools, WV
- Safe School Entries, Monongalia County Schools, WV
- Morgantown High Elevator, Monongalia County Schools, WV
- 2010 Comprehensive Education Facilities Plan- Monongalia County Schools, Wyoming County Schools
- Clear Mountain Bank Branches, Oakland, MD - Reedsville, WV - Kroger-Sabraton, WV
- Grant County Bank, Petersburg, WV
- Fairmont Federal Credit Union, Bridgeport, WV
- Freedom Ford, Kia, and Volkswagen Automotive Dealerships, Morgantown and Clarksburg, WV
- Jenkins Subaru Addition, Bridgeport, WV
- Elkins Fordland Renovation - Elkins Chrysler Dealership, Elkins, WV
- Harry Green Nissan Design-Build, Clarksburg, WV
- Cool Green Automotive Addition and Renovation, Shepherdstown, WV
- Veteran's Affairs – OI&T Office Fit-Out, Shepherdstown, WV
- OPM, Eastern Management Development Center Addition, Shepherdstown, WV
- National Energy Technology Laboratory – Building B-8 Roof Replacement, Morgantown, WV
- US Coast Guard – Conference Room Renovation, Martinsburg, WV
- Eastern Panhandle Transit Authority Addition, Martinsburg, WV
- Cacapon State Park – Old Inn HVAC and Interior Renovation
- WV National Guard - Armory Office Fit-out, Parkersburg, WV
- South Berkeley Fire Station, Inwood, WV
- Jefferson County Emergency Services Agency – New Headquarters
- Berkeley County Ambulance Authority – South Station Renovation and Addition
- Poolhouse Renovation, McMechen, WV
- Community Center, Ridgeley, WV
- Wastewater Treatment Plant Renovations, Martinsburg, WV
- Public Works Building, Fairmont, WV
- Oatesdale Park Little League Fields, Martinsburg, WV
- St. Luke Canopy Replacement, Morgantown, WV
- Freshwater Institute – Aquaculture Building, Shepherdstown, WV
- Clarion Hotel Renovation, Shepherdstown, WV
- Shenandoah Village Apartments – Façade and Deck Replacement, Martinsburg, WV
- Regional Eye Associates/ Surgical Eye Center, Morgantown, WV
- Bavarian Inn – Infinity Pool/ Pool Bar, Shepherdstown, WV



**B. Craig Miller, PE**

Craig founded Miller Engineering in 2003, and serves as President and Principal Engineer. He has more than 20 years experience in design, specification, operations and project management. During his employment with WVU, Craig was directly involved with approximately \$130 million in new capital construction. His experience with a wide range of projects including HVAC, electrical, plumbing, infrastructure upgrades, building automation, energy efficiency and maintenance/renovation, among others, allows him to serve in multiple capacities within a given project. Craig will serve as the “Relationship Manager” for Miller Engineering as the main communication interface between the Owner, the design team, contractors and end users.

**Project Role: Relationship Manager – Primary Point of Contact**

- Engineer in Responsible Charge
- Design and Project Management of Mechanical, Electrical, Plumbing Projects
- Concept and Construction Design
- Business Operations and Financial Management Oversight
- Quality Assurance and Control

**Professional Project Highlights**

- Morgantown High School Area 4 HVAC Renovations
- WVU Life Sciences Building and Student Recreation Center – Owner’s Engineer
- Hawks Nest/Twin Falls HVAC
- Mapletown High School HVAC Replacement Phase I & II
- Advanced Surgical Hospital
- Pipestem McKeever Lodge HVAC Piping Replacement
- Beech Fork State Park – MEP New Construction Design
- Cheat Lake Elementary & Middle School Renovations

**Professional History**

2003- Present	Miller Engineering, Inc.	President, Relationship Manager
2002-2003	Casto Technical Services	Existing Building Services Staff Engineer
2001-2002	Uniontown Hospital	Supervisor of Engineering
1995-2001	West Virginia University	Staff Engineer
1990-1995	BOPARC	Caretaker – Krepps Park
1983-1988	University of Charleston	Electrician/HVAC Mechanic

**Education**

1995	West Virginia University	BS- Mechanical Engineering
1988	University of Charleston	BA- Mass Communications

**Licenses and Certifications**

- Professional Engineer (West Virginia, Pennsylvania, Maryland, and Ohio)
- Licensed Master Plumber
- LEED-AP Certified



**Travis Taylor, PE**

Experience in project management facilitates Travis’s ability to create and design constructible projects. Prior to joining the Miller Engineering team he was directly responsible for managing \$10 million in electrical construction budgets. His experiences encompass both new construction and renovation. Travis maintains professional competencies by attending seminars and continuing education classes. These include local ASHRAE classes in addition to classes on electrical systems, and also steam systems through Shippenburg Pump Company. As lead engineer he provides HVAC, mechanical, plumbing, and electrical design solutions and services for our clients. In addition, he is part of our team’s complete assessment process in both planning and MEP design through construction administration.

**Project Role: Lead MEP Engineer**

- Design of Mechanical, Electrical, and Plumbing Systems
- Building Information Modeling - Revit
- Constructible Materials Evaluation
- Site Evaluation and Mechanical System Review
- Submittal and RFP Review
- RFI Coordination, Review, and Response
- Construction Observation

**Professional Project Highlights**

- Blackwater Falls Lodge Boiler Replacement
- MTEC Welding Shop
- Camp Dawson FMS4 Fire Protection
- WV State Building 22 2nd Floor Renovations
- WV State Building 25 HVAC Piping Replacement
- Morgantown High School Area 4 HVAC Renovation
- Bobtown Elementary School HVAC Upgrades
- Holly River State Park Primary Electric Service Replacements Phase I & II
- Pipestem Lodge McKeever Lodge HVAC Piping Replacement

**Professional History**

2011-Present	Miller Engineering, Inc.	Staff Engineer
2006-2011	Tri-County Electric, Co.	Project Manager
2006-2006	Schlumberger	Field Engineer Trainee - MWD

**Education**

2006 West Virginia University, BS – Mechanical Engineering

**Licenses and Certifications**

- Professional Engineer - State of West Virginia
- OSHA 10-hour Course: Construction Safety & Health



## **Joseph Machnik**

Joe has experience with AutoCAD, MEP and Revit MEP. He provides design modeling, drafting and supervised design services and construction support for Miller Engineering.

### **Project Role: MEP Designer**

- *Revit/CADD Coordination of New Construction and Renovation Designs*
- *Building Information Modeling Specialist*

### **Professional Project Highlights**

- Bobtown Elementary HVAC
- WV State Building 25 HVAC Piping Replacement
- Blackwater Falls Boiler Replacement
- Suncrest Middle Gym HVAC
- North Elementary Gym HVAC
- Graftek Steam Systems Evaluations and Modifications
- WV State Building 25 HVAC Piping
- Pipestem Lodge HVAC Piping Replacement
- Westwood Middle Cooling Tower

### **Professional History**

2010 – Present Miller Engineering, Inc. MEP Designer

### **Education**

2008 Penn State – Fayette, AS - Building Engineering Systems Technology: *Building Environmental Systems Technology*

2007 Penn State – Fayette, AS - Building Engineering Systems Technology: *Architectural Engineering Technology*

### **Additional Training**

2016 – Shippenburg Pump Company – Steam Systems Training



## **Eyad Alhalabi**

Eyad joined Miller Engineering in June 2019. A recent graduate of West Virginia University, he has been eager to learn the means and methods of MEP consulting. Eyad assists the MEP design team with design calculations and is rapidly learning design software such as Autodesk REVIT. He is also learning construction administrations along with building codes and standards. Eyad is currently preparing to take the Fundamentals of Engineering exam.

### **Project Role: Junior Engineer**

- *Design Calculations*
- *Drafting of MEP Systems*
- *Assist with Construction Administration*

### **Professional Project Highlights**

- Morgantown ALC
- WVDA Ripley Warehouse Electrical Upgrades
- Huntington 8th & 10th Street Pump Stations
- Huntington Floodwall Pump Station Automation

### **Professional History**

2019- Present                      Miller Engineering, Inc.      Junior Engineer

### **Education**

2019      West Virginia University, BS - Mechanical Engineering

### **Licenses and Certifications**

- ASHRAE Student Member

# DAVID B. SHARP, P.E.

*Branch Manager/Senior Engineer*



and right-of-way plans; and municipal water and wastewater projects.

## PROFESSIONAL EXPERIENCE

### 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:

- MedExpress Administrative Office – Morgantown, WV
- Chemours Fire Station – Washington, WV
- Camp Dawson Two New Buildings – Kingwood, WV
- Dental Spa – Morgantown, WV
- Marshall University Baseball Stadium – Huntington, WV
- Citizen's Bank – Buckhannon, WV
- Miners & Merchants Bank – Davis, WV
- Davis & Elkins College Myles Center Addition – Elkins, WV
- Buzz Foods Addition – Charleston, WV
- Solvay Wastewater Treatment Plant Clarifier – Marietta, OH
- Black Oak Office Building – Morgantown, WV
- Davis & Elkins College Harper McNeeley Waterproofing – Elkins, WV
- Family Dollar Store – Berkeley Springs, WV
- Rubbermaid Distribution Center Addition – Winchester, VA
- WVU Transportation Center/Parking Garage – Morgantown, WV
- 4 West Water Treatment Plant – Greene County, PA
- CA Ventures (9 story student housing building) – Morgantown, WV
- Copper Beech Student Housing (included 31 buildings, parking areas, and 11,250 linear feet of retaining walls) – Morgantown, WV
- Sunnyside Commons Student Housing (included three multi-story buildings, parking, and 43,000 sq. ft. of retaining walls) – Morgantown, WV

## 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 REGISTRATIONS

Professional Engineer – West Virginia, Virginia

## PROFESSIONAL CERTIFICATIONS

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

## AREAS OF SPECIALIZATION

Involved with 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; transportation/highway projects, including geotechnical

- WVU Engineering Building East Addition – Morgantown, WV
- Potomac State College Admissions Building Addition – Mineral County, WV
- Glenville State College Health & Sciences Building – Gilmer County, WV
- Glenville State College Residence Hall – Gilmer County, WV
- Christy Street Office Building – Morgantown, WV
- Harry Green Nissan Dealership Building Addition – Harrison County, WV
- Elkins Dodge Dealership – Randolph County, WV
- Sam's Club Fueling Station – Clarksburg, WV
- Wal-Mart Fueling Station – Connellsville, PA
- Cheat Lake Elementary School Building Addition – Monongalia County, WV
- Churchhill Village Housing Project – Monongalia County, WV
- R.E. Michel HVAC Commercial Building – Monongalia County, WV
- ICM Islamic Center – Morgantown, WV
- Catlettsburg Refining Company – Alkylation and Wastewater Control Room – Catlettsburg, KY
- WVARNG Camp Dawson Fueling System – Kingwood, WV
- MEPCO Dock Expansion Project – Morgantown, WV
- West Run Student Housing (includes 16 buildings, parking areas, and 50,000 sq. ft. of retaining walls) – Morgantown, WV
- Fairmont Federal Credit Union – Bridgeport, WV
- Morgantown Waterfront Marina – Morgantown, WV
- Residence Inn – Morgantown, WV
- Suncrest Executive Office Plaza and Parking and Garage – Morgantown, WV
- WVU Research Park – Morgantown, WV
- View at the Park Apartment Complex – Morgantown, WV
- Marriott Hotel – Morgantown, WV
- Bucks Tavern – Morgantown, WV
- Stouts Run United Methodist Church Addition – Parkersburg, WV
- Fairfield Inn Hotel – Fairmont, WV
- Wendy's Restaurant – Morgantown, WV
- Sunoco Service Station – Robinson Township, PA
- St. Stephen Baptist Church – Morgantown, WV
- Islamic Center – South Charleston, WV
- Oak Hill Public Library – Oak Hill, OH
- Westside High School – Oceana, WV
- WVARNG Readiness Center – Summersville, WV
- Student Housing Facility, Parking Garage, Library/Information Center, Student Center Addition, Jomie Jazz Center, and Child Care Center for Marshall University – Huntington, WV
- U.S. Equipment Distributors – Huntington, WV
- PC WV #2 and #3 – Pace Carbon Fuels – Summersville and Eckman, WV
- WVU Luxury Box for Mountaineer Field – Morgantown, WV
- Marshall University Mid-Ohio Valley Center – Point Pleasant, WV
- Arbor Terrace Assisted Living Facility – Charleston and Huntington, WV
- Pocahontas County PSD Wastewater Treatment Plant – Snowshoe, WV
- Pt. Marion Water Tank Replacement – Pt. Marion, PA
- Monongalia General Hospital and Access Road – Morgantown, WV
- Kasson Elementary/Middle School Repair Project – Kasson, WV
- North Marion Vocational/Technical Center School Repair Projects – Marion County, WV
- Monongalia County Public Office Building – Morgantown, WV
- Numerous Cell Phone Towers in WV, PA, and MD
- Numerous Natural Gas Compressor Stations Pads and Additions:
  - EQT – Logansport Compressor Station Addition – Wetzel County, WV
  - EQT – Plasma Compressor Station Pad – Monroe County, OH
  - EQT – Corona Compressor Station Pad – Wetzel County, WV
  - EQT – Gemini Compressor Station – Geotechnical Feasibility – Marion County, WV
  - EQT – Gemini Interconnect Pad – Marion County, WV
  - Basic Systems, Inc. – Waynesburg Compressor Station Addition – Greene County, PA
  - Basic Systems, Inc. – Gettysburg Compressor Station Addition – Adams County, PA
  - Basic Systems, Inc. – Greencastle Compressor Station Addition – Franklin County, PA
  - Basic Systems, Inc. – Files Creek Compressor Station Addition – Randolph County, WV
  - Basic Systems, Inc. – Smithfield Compressor Station Addition – Wetzel County, WV
  - Dominion Transmission – Crayne Compressor Station – Green County, PA
- Numerous Marcellus Well Pad Sites – Northern WV:
  - Stone Energy – Mills Wetzel #3 Well Pad – Wetzel County, WV



- Stone Energy – Conley Well Pad – Wetzel County, WV
- Stone Energy – Langmyer Pad – Wetzel County, WV
- Mountaineer Keystone – Mackey-Wolfe Well Pad – Barbour County, WV
- Chesapeake Energy – Rayle Coal Co. Well Pad – Ohio County, WV
- Numerous Residential Geotechnical Projects – Charleston and Morgantown, WV
- Geotechnical Recommendations for Natural Gas Transmission Lines including Horizontal Directional Drilling Projects:
  - EQT Midstream – H-310 Coal Refuse Area – Monroe County, OH
  - EQT Midstream – Harrison County HDD – Harrison County, WV
  - EQT Midstream – Ohio River HDD – Wetzel County, WV and Monroe County, OH

Responsible for the coordination of subsurface investigation, laboratory testing program, slope stability analysis, and preparation design documents associated with the repair of landslide at various site throughout West Virginia. Representative designs have included soldier beam and lagging retaining walls, gabion basket retaining walls, segmental block retaining walls, rock toe keys and buttresses, and drainage improvements. The following provides a list of representative projects:

- Kinetic Park Landslide Repair – Huntington, WV
- Morgantown Parking Authority Armory Lot Retaining Wall – Morgantown, WV
- Bowser Street Landslide Repair – Town of Granville – Monongalia County, WV
- Marshall Portal Access Road Landslide Repair – Greene County, PA
- Weekley Well Pad Landslide Repair – Wetzel County, WV
- Shupbach Ridge Road Landslide Repair – Wetzel County, WV
- Mills Wetzel #2 Well Pad Landslide Repair – Wetzel County, WV
- Mills Wetzel #2 Road Landslide Repair – Wetzel County, WV
- Potts Well Pad Landslide Repair (2 separate landslides) – Wetzel County, WV
- Haynes Branch Gas Line Landslide Repair – Wetzel County, WV
- Decker's Creek Mine Stockpile Area Landslide Repair – Preston County, WV
- Wentz Freshwater Impoundment Embankment Stability Repair – Barbour County, WV

- Columbia Gas Transmission – Well #7331 Slide Repair – Elkview, WV
- Cline Tower Landslide – Winfield, WV
- Wellford Tower Landslide – Clendenin, WV
- Massie Ridge Tower Landslide – Camp Creek, WV
- Fisher Landslide – Elkview, WV
- Kennawa Landslide – Charleston, WV
- Burlew Landslide – Charleston, WV
- Lee Landslide – South Charleston, WV
- Fairmont North Tower Landslide – Fairmont, WV
- 6<sup>th</sup> Street Tower Landslide – Huntington, WV
- Joyce Landslide – Chesapeake, OH
- WVAML Tupper's Creek Emergency Landslide – Tupper's Creek, WV
- Schmidt Landslide – Gallipolis, OH
- Disposal Service, Inc. Landslide – Hurricane, WV
- Wellston High School Landslide Repair – Wellston, OH
- Ribble Tank Landslide Repair – New Martinsville, WV
- Potokoczny Well Pad Landslide Repair – Marion County, WV
- Ridgepoint Landslide Repair – Morgantown, WV

Involved with the layout of the boring plan, staking borings in the field, preparation of the boring contract documents, soliciting bids, awarding drilling contracts, monitoring of drilling operations, coordination of laboratory testing programs, preparation of boring diagrams, and preparation of subsurface exploration report foundation recommendations and slope reviews for various West Virginia Department of Transportation Projects:

- Platinum Drive Urban Connector – Bridgeport, WV
- Segment of WV State Route 2 – Moundsville, WV
- Segment of National Road – Wheeling, WV
- Segment of North Bridgeport Bypass – Bridgeport, WV
- Corridor H, Section IV – Davis, WV
- Sulphur Springs Bridge – Hundred, WV
- Dry Run Interchange – Martinsburg, WV
- Interstate 81 Hainsville, Bessemer and Tuscorora Creek Bridges – Martinsburg, WV
- County Route 24 Bridge Replacement – Jackson County, WV
- County Route 3 Temporary Bridge – Jackson County, WV

- County Route 56 Temporary Bridge – Wetzel County, WV
- County Route 28 Bridge Replacement – Ritchie County, WV
- County Route 3 Temporary Bridge – Roane County, WV

**Expert Witness**

Served as Expert Witness in numerous cases involving geotechnical, earthwork construction, and/or drainage issues. Many of these cases involved a review of available information, development of professional opinions, issuance of an expert report, depositions, and expert testimony.

- Solem v. Highlands of the Potomac, LLC – Shuman McCuskey Slice, PLLC – Circuit Court Berkley Co. – Civil Action 18-C-408 – Flooding (Defense)
- Liston v. Frontier West Virginia, Inc. – Bowles Rice – Circuit Court Monongalia Co. – Civil Action 16-C-279 – Flooding (Defense)
- Pauley v. Schumacher Homes of WV, Inc. – Bowles Rice – AAA – Case 01-18-0000-0240 – Foundation Construction (Defense)
- Logan County Board of Education – Bowles Rice – Circuit Court Logan County – Civil Action 17-C-11-B – Geotechnical (Plaintiff)
- JKLM Energy, LLC et. al. vs. Big Level Wind, LLC, John Hancock Life Insurance et. al. Court of Common Places of Potter County, Pennsylvania No. 86 CD 2017 – Construction, geotechnical and civil/site design associated with gas well pads (Defense)
- Wilkins, Scott v. R&R Holdings – Civil Action 15-c-295 – Flooding and drainage (Defense)
- Larry Rine, et. al. vs. Chesapeake Appalachia, LLC. Robinson & McElwee – Civil Action No. 5:11-CV-4 – Landslide on Natural Gas Well Pad (Defense)
- Bisacca v. Pennsylvania Department of Transportation, Thomas J. Dempsey, Attorney at Law – Earthwork Construction Practices (Plaintiff)
- Sven Verlinden and Lisa Verlinden v. Morgantown Utility Board, et. al. Shuman, McCuskey & Slicer, PLLC – Civil Action No. 11-C-573 – Combined Sewer Flooding (Defense)
- Russell D. Kitchen and Suzanne G. Kitchen v. Morgantown Utility Board – Shuman, McCuskey & Slicer, PLLC – Civil Action No. 11-C-745 – Combined Sewer Flooding (Defense)
- Darin O. Arnold and Sarif J. Arnold v. Morgantown Utility Board – Shuman, McCuskey & Slicer, PLLC – Civil Action No. 11-C-749 – Combined Sewer Flooding (Defense)
- Rider v. Fairmont Homes, LLC. – Flaherty, Sensabaugh & Bonasso, PLLC – Claim No. 1012802 – Landslide and Residential Construction Issues (Defense)
- Thomas A. Logston and Joanne C. Logston v. Charles E. Kolb d/b/a Kolb Excavating – A.D. Baker Homes, Inc. and Alan D. Baker, Bowles, Rice, McDavid, Graff & Love – Civil Action No. 10-C-116 – Landslide Resulting in Property Damage (Plaintiff)
- LJH, Inc. v. Quadruple S. Farms, LLC and Four-S-Development, Bowles Rice LLP – Civil Action No. 09-C-438 – Rockfall and Commercial Construction Practices (Plaintiff)
- Mingo County Airport Authority Claim Against Appalachian Paving & Aggregate, Inc. – Robinson & McElwee, PLLC – Earthwork and Construction Related Issues (Defense)
- Children’s Home of Wheeling v. Cast & Baker, et. al. Civil Action No. 06-CV-374W – Geotechnical (Plaintiff)
- Colaianni Construction, Inc. Claim for Cost Recovery Against Koker Drilling at Wetzel County Hospital, Wellness Center Addition – Spilman, Thomas & Battle – Retaining Wall Failure Resulting in Building Damage
- Hilling Enterprises, LLC et. al. v. Midtown Motors, Inc. et. al. – Civil Action No. 13-C-308 – Landslide Causing Property Damage (Defense)
- Stan-Corp v. Scott Properties, LLC. et. al – Bowles Rice LLC – Landslide Impacting Roadway and Property (Defense)
- Stephen C. Fish et. al. v. McCloy Construction et. al. – Bowles Rice, LLP – Civil Action 03-C-3050 – Structure Foundation Settlement (Plaintiff)
- Industrial Machine v. American Geotech – Bowles Rice, LLP – Civil Case 02-C-115 – Subsurface Exploration and Geotechnical Design (Defense)

- Pell, Robert K., et. al. v. SAMOA, LLC, et. al. – Claim No. 010510386236 – Drainage Related Claim (Defense)

#### 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.:

- Appalachian Hotel – Kingwood, WV
- Davis & Elkins College Plaza Improvement – Elkins, WV
- Citizen's Bank – Buckhannon, WV
- Citizen's Bank – Elkins, WV
- Miners & Merchants Bank – Davis, WV
- Dental Spa – Morgantown, WV
- University Place Parking Garage – Morgantown, WV
- Sunnyside Commons Student Housing Project (included 5 multi-story buildings, 268 parking spaces, and 43,000 sq. ft. of retaining walls) – Morgantown, WV
- Coombs Farm Residential Development – Morgantown, WV
- Morgan Point Residential Subdivision – Morgantown, WV
- Town of Granville Boat Ramp Project – Granville, WV
- West Run Student Housing (1,000 bed student housing Project) – Morgantown, WV
- Copper Beech Student Housing (1,000 bed student housing project) – Morgantown, WV
- Summit at Cheat Lake Residential Development – Morgantown, WV
- Summit at Greystone Residential Development – Morgantown, WV
- Sleepy Hollow Residential Development – Morgantown, WV
- Shiloh Residential Development – Morgantown, WV
- Summerfield Residential Development – Morgantown, WV
- Mayfield Estates Residential Development – Morgantown, WV
- Cheat Landing Residential Development – Morgantown, WV
- Churchill Village Complex – Morgantown, WV

- Trinity Christian School Football Field – Morgantown, WV
- Morgantown Technical Services Industrial Expansion – Mt. Morris, PA
- WVU Beechhurst Parking Lot – Morgantown, WV
- Numerous Marcellus Well Pad Sites for Various Clients – Northern WV

#### Construction Monitoring

Project Manager/Engineer involved with and/or responsible for construction observation/testing on numerous construction projects. These projects routinely involved earthwork testing utilizing a nuclear density gauge and other test methods during earthwork placement and compaction. Many projects also included concrete testing including slump, comprehensive strength, air entrainment and/or floor flatness testing. The following is a summary of projects involving construction observation and testing:

- Sunnyside Commons Student Housing Project – Morgantown, WV
- Family Dollar Store – Smithfield, PA
- University Place Parking Garage – Morgantown, WV
- Church Hill Village Housing Project – Morgantown, WV
- Mills Wetzel #3 Well Pad – Wetzel County, WV
- Shubbach Ridge Road Landslide Repair – Wetzel County, WV
- Potts Landslide Repairs – Wetzel County, WV
- Pribble Tank Landslide Repair – Wetzel County, WV
- Potokczny Landslide Repair – Marion County, WV
- Tucker County Industrial Park – Tucker County, WV
- Pocahontas County Landfill Cell 3 Expansion – Pocahontas County, WV
- Disposal Services Landfill Expansion Area – Hurricane, WV
- Platinum Drive Urban Connector Landslide Repair – Bridgeport, WV
- Trinity Christian School Football Field – Morgantown, WV
- Kasson Elementary/Middle School Pyrite Remediation Project – Barbour County, WV

- City of Philippi Water Improvement Project – Barbour County, WV
- Mackey Wolfe Well Pad – Barbour County, WV
- Morgantown Technical Services Expansion – Mt. Morris, WV
- Lakin Correctional Center – Wood County, WV
- Western Regional Jail – Cabell County, WV
- Merrick Creek Farm Commercial Development – Cabell County, WV

Served as the Manager responsible for equipping and staffing a fully operational soils and concrete material testing laboratory to be used in support of construction observation projects. The laboratory became validated by the U.S. Army Corps of Engineers to perform approximately 45 ASTM test methods will under Mr. Sharp's direct supervision. Representative test methods included standard and modified proctors, Atterburg limits, grain size determination, aggregate sieve analysis, specific gravity, organic matter, lightweight particles, soil classification, compressive strength, and moisture content determinations. Establishment of the laboratory also included the preparation of a site-specific quality systems manual in accordance with ASTM guidelines.

#### Sewer Lines and WWTPs

Project Manager/Engineer on numerous public utility projects, such as sanitary sewer collection/treatment, as well as combined sewer/storm water improvements:

- Town of Marlinton CSO Project
- City of Buckhannon Sanitary Sewer Extension
- City of Glenville Infiltration/Inflow Study for the Sanitary Sewer
- Pocahontas County PSD Geotechnical and Environmental Permitting Services for Wastewater Improvement Project

#### Water Lines, Water Storage Tanks, and Water Treatment Plants

Morgantown Utility Board – Provide expert witness services on a routine basis.

Project Manager/Engineer on numerous public utility projects involving potable water supply. In most of the projects, it not only included the technical design, but also included assistance with funding applications, preparation of technical specifications and construction documents, assistance with bidding documents, and construction observation/administration.

- City of Wellsburg Water Improvement Project (plant upgrade and line extension) – Wellsburg, WV
- City of Glenville Water Improvement Project – Glenville, WV
- Preston County PSD #2 Howesville Water Improvement Project – Preston County, WV
- City of Philippi Water Improvement Project – Philippi, WV
- City of Philippi Water Tank Upgrade Project – Philippi, WV
- Town of Mill Creek Water Improvement Project – Mill Creek, WV
- Town of Marlinton Water Plant Assessment – Marlinton, WV
- Town of Huttonsville Water System Assessment – Huttonsville, WV
- Preston County PSD #2 Water Improvement Project – Preston County, WV

# TIMOTHY M. RICE, E.I.T.

Senior Engineer

## EDUCATION

B.S. Civil Engineering, 1982  
West Virginia University

## EMPLOYMENT HISTORY

2014-Present Potesta & Associates, Inc.  
2006-2014 Hatch Mott MacDonald  
1987-2006 CTL Engineering  
1978-1987 George E. Pigott & Associates

## PROFESSIONAL REGISTRATIONS

Engineer in Training – West Virginia

## TRAINING/RELEVANT COURSE WORK

Natural Stream Channel Design Levels I-IV

## AREAS OF SPECIALIZATION

Diversified experience with civil, environmental, surveying, and geotechnical engineering projects for public, state, and private clients with an emphasis on project management and coordination of engineering services and environmental services, to include: permitting and compliance, hydraulic and hydrological analysis, slope stability analysis, geotechnical design, Phase I Environmental Site Assessments, stormwater management, municipal water and sewer design, civil site design, water resources analysis/design, natural gas production well pads and roads, and construction monitoring/observation.

## PROFESSIONAL EXPERIENCE

### Civil/Site Design

Project Manager/Senior Engineer with experience on numerous civil/site design projects involving various aspects of site development, permitting, and design of residential, commercial, and public development projects.

Lake Floyd Homeowners – Senior Engineer on dredging project for remediation of lake sedimentation at Lake Floyd in Harrison County, West Virginia. Project includes wetland and stream delineations, Section 404 Permitting, sediment disposal area design, and coordination of the most cost-effective method for construction.

Paradigm Architects – Project Manager for civil/site portion of the University Place Parking Garage project at West Virginia University, Morgantown, West Virginia. Project includes geotechnical investigations, surveying, permitting, construction specifications, design drawings, city planning and zoning, project coordination, and construction observation.

American Campus Communities – Project Manager for civil/site portion of Sunnyside Commons Student Housing project at West Virginia University, Morgantown, West Virginia. Project includes geotechnical investigations, surveying, permitting, construction specifications, design drawings, city planning and zoning, project coordination, and construction observation.

Mills Group – Project Manager for civil site design project at Davis and Elkins College in Elkins, West Virginia for the site development and permitting associated with a proposed amphitheater on campus.

Glenmark Corporation – Project Manager for the Greenbag Road project that included, surveying, mapping, geotechnical investigations and recommendations, Phase 1 Environmental Site Assessment, permitting, civil site design and storm water management.

Town of Granville – Project Manager for the Bowser Street Landslide Repair project that included surveying, mapping, geotechnical investigations/recommendations, and preparation of bid documents, contractor selection, and construction oversight.

Town of Granville – Project Manager for various engineering projects including surveying, street repaving, stormwater system evaluation, camera surveys, traffic studies, and mapping projects.

Cirrus Energy Group – Project Manager responsible for coordination and oversight of field and office activities associated with risk assessment study, environmental permitting, preliminary engineering studies, and conceptual planning for a 1,100-acre data center complex in Fox and Horton Townships in Elk County, Pennsylvania.

Harrison County Planning Commission – Project Manager responsible for the coordination and design of Phases 1 – 3 of the Rail Trail project in Harrison County,

West Virginia. Project included engineering design, modeling, permitting, and construction observation services.

### Construction Monitoring

Project Manager/Senior Engineer with an understanding of construction observation and testing, including concrete, mortar, grout, soils compaction, bearing capacity, bolt torque, and fireproofing testing on public, private and government construction projects.

Camp Dawson – Quality Control Manager during the construction phase of the Student Training Facility at Camp Dawson, Kingwood, West Virginia. The project included all quality control and construction monitoring for the six-building facility along the airstrip at Camp Dawson.

University Place, LLC – Project Manager responsible for construction monitoring and testing on the University Avenue Parking Garage at West Virginia University, Morgantown, West Virginia. Construction monitoring included the coordination, scheduling, and reporting of the concrete, soils, and fireproofing testing on site.

American Campus Communities – Project Manager responsible for the coordination, scheduling, and reporting of the construction monitoring and testing on the Sunnyside Commons Student Housing project at West Virginia University, Morgantown, West Virginia. Construction monitoring included concrete, mortar, soil compaction, and dynamic cone penetrometer testing.

### Oil & Gas

Various Shale Gas Clients – Project director/manager responsible for operational support as it relates to engineering and environmental projects, including: site selection; slope stabilization plans; construction bid documents; design of facility pads, water impoundments, and access roads; and environmental assessments/compliance for gas clients in West Virginia, Ohio, and Pennsylvania.

Project Manager for various shale gas and pipeline projects in West Virginia, Ohio, and Pennsylvania. Projects include facility pad designs, access road design, impoundment design, geotechnical, slope stability issues, surveying, permitting, and environmental compliance services.

- Antero Resources
- Stone Energy
- EQT Midstream
- Chesapeake Energy

Dominion Transmission, Inc., Clarrington Project in West Virginia and Ohio – Project Manager for the environmental tasks associated with the additional compression at two existing compressor station sites, upgrade of an existing meter station, and one new meter station. This FERC regulated project included preparation of resource reports 1 through 12, stream/wetland/T&E field surveys, wetland delineation reports, and earth disturbance permits.

Columbia Gas Transmission, LLC, Rockport Efficiency Project – Project manager responsible for the engineering and design services, including construction drawings and specifications for 13 different sites. These sites include the plugging and abandonment at existing wells, valve replacement, access road modifications, and well pad construction.

Williams Northeast G&P, Grassy Run Pipeline Project – Project Manager responsible for oversight of the environmental field and permitting activities associated with 6,447 feet proposed gas line installation, to include: RTE species review, Cultural Resources review, wetland/stream delineations, soil sampling, Chapter 105 permit application, ESCGP-2 permit application, E&S controls and inspection, and hydrostatic test permit application in Fayette County, Pennsylvania.

Consol Energy, Well Assessment Study – Project Manager responsible for oversight of approximately 400 existing gas and oil well assessments to determine the Greenhouse Gas inventory and general environmental condition of the well sites in West Virginia and Pennsylvania.

### Stream/Wetland Delineation, Permitting and Mitigation

Dominion Transmission, Inc., Post Wetland Monitoring and Reporting – Project Manager responsible for the oversight of the post wetland monitoring services for five FERC-certified projects sites in West Virginia and Pennsylvania for three years to measure the revegetation success of wetlands impacted during the construction of natural gas pipeline in the area.

Pennsylvania General Energy – Project reviewer responsible for various wetland/stream delineations, US Army Corps, Chapter 105 permit application, ESCGP-2 permit application, Erosion & Sediment controls and inspections for the Fisk Hollow Pipeline Project in Porter County, Pennsylvania.

Cabot Oil & Gas – Project engineer on Superior Modular Site responsible for U.S. Army Corps of Engineers 401 permitting, WV Public Lands permit, and WVDNR Stream Enhancement plan utilizing Natural Stream Design techniques.

Consol Energy, Stream Mitigation and Remediation – Project Manager responsible for coordination and oversight of field and office activities associated with the mitigation of approximately 55,000 linear feet of streams affected by longwall mining in Greene County, Pennsylvania. Responsibilities include mitigation planning, construction management, permitting, and augmentation plans. This project utilized shallow low-pressure grouting and minimal stream modifications necessary to improve flow characteristics and stream stability.

Consol Energy, Impoundment Mitigation – Project Manager responsible for the coordination and oversight of field and office activities associated with the mitigation of an existing private impoundment affected by longwall mining in Wetzel County, West Virginia. This project included dewatering of the existing impoundment, shallow low-pressure grouting within the dewatered area and placement of a bentonite liner on the bottom of the impoundment to control the impacts of mine subsidence.

Consol Energy, Stream Monitoring and Regulatory Compliance – Project Manager for monitoring and regulatory compliance of areas above longwall coal mining operations in Greene County, Pennsylvania. This project included monitoring and data collection of surface and ground water using sub-foot Trimble GPS units, Marsh McBirney Flo-mate 2000 flow meters, and digital cameras. This project also included the management of data to determine trends, historical frequencies, and predictive modeling.

US Steel – Project liaison responsible for assembling the in-house team and initial client negotiations for a 1,500-acre Palisades Wetlands banking project in Duluth, Minnesota.

J.F. Allen Company, Stream Restoration – Project Engineer responsible for WVDEP permitting associated with a stream restoration plan utilizing natural stream design technique in Bowden, West Virginia.

#### Abandoned Mine Lands

Project Manager/Senior Engineer for 80 abandoned mine lands projects in West Virginia, Maryland, Ohio, and Pennsylvania. These projects include: reclamation design, mine fire and burning refuse pile extinguishment, impoundments, slope stability, mine sealing, acid mine drainage abatement, subsidence investigations and stabilization plans, landslides, water feasibility studies, and watershed studies. These services also included detailed design drawings and specifications for construction, as well as assisting with the bidding and any construction issues of each individual project.

West Virginia Department of Environmental Protection, Pendleton Creek Strip, Thomas, Tucker County, West Virginia - Project Manager responsible for reclamation design and stream remediation of an abandoned surface mine in. Geosynthetic liners and Natural Stream Design techniques were used to prevent headwater base flows from entering an abandoned deep mine through mine voids and subsidence features. Existing wetlands were protected utilizing staged culvert and low water crossings. This project also included ARRI reforestation techniques and riparian habitat replacement.

West Virginia Department of Environmental Protection, Taylor Creek Impoundment – Project Manager responsible for reclamation of a 120-acre burning refuse pile and a 24-acre impoundment in Clay County, West Virginia. This work involved the reclamation and extinguishment of the burning refuse pile, dewatering of the impoundment, subsurface investigation of burning material to depths of approximately 110 feet and the design and reconstruction of approximately 3,400 feet of Taylor Creek.

West Virginia Department of Environmental Protection, Blackwater River Beaver Creek Treatment Project – Project Manager responsible for the rehabilitation of an existing concrete dam, the installation of rotating drums, and a limestone slurry treatment facility on the Blackwater River in Tucker County, West Virginia. This was a cooperative project with WVDEP and WVDNR and has been recognized by “Trout Unlimited” and “Outdoor Life”. This project has successfully

transformed a formerly dead section of the Blackwater River into a high-quality trout fishery and was recognized by the US Department of Interior, Office of Surface Mining, as the 1999 Appalachian Region Award Winner. West Virginia Department of Environmental Protection – Decker’s Creek Watershed Study, Monongalia and Preston County, WV - Project Manager responsible for a comprehensive study of the watershed to determine if improvements can produce a sustainable fishery. Graphic Information Systems (GIS), stream invertebrate data, water quality data, and in-stream limestone sand test sites were used to complete the investigation. The Decker’s Creek Watershed has a 60 square mile drainage area impacted by both abandoned surface and abandoned deep mines causing the upper reaches of the stream to be net acidic, with elevated concentrations of iron.

West Virginia Department of Environmental Protection, Brushy Fork Waterline Feasibility Study – Project Manager for the hydrologic study of a mine-impacted watershed for the design of a public waterline extension to serve the rural community in Harrison County, West Virginia. The study included documentary, field assessment, and laboratory review of conditions to determine eligibility.

West Virginia Department of Environmental Protection, Amigo Smokeless Refuse Pile – Project Manager for the stabilization of a 300-foot-high coal slurry impoundment and refuse pile in Wyoming County, West Virginia. This pile was placed using an aerial tram and consisted mainly of coarse refuse. The primary drainage structures had failed, and the slope was deteriorating. Several residences and active railroads were within the breach zone.

West Virginia Department of Environmental Protection, Moundsville Water Supply Study – Project Manager responsible for an investigative study of the fresh water well field for the City of Moundsville situated along the Ohio River in Wood County, West Virginia. Increasing levels of manganese contamination were deteriorating the quality of this aquifer. A site investigation study was performed to determine the location and effects of mining activities on the local groundwater aquifers. Existing mine maps, geologic information, and background data were reviewed. Geotechnical investigations and aquifer testing were performed to determine the location, depth, and extent of the potential contaminants.

Maryland Department of the Environment, Shallmar Limestone Doser – Project Manager responsible for the

design of an AquaFix doser treating AMD runoff from a reclaimed surface mine discharging to the Potomac River basin in Garrett County, Maryland. Design included silo, foundation, and maintenance provisions for this water-driven doser.

Maryland Department of the Environment, Jackson Mountain Mine Fire – Project included engineering design services and construction documents necessary to determine the location and characteristics of a mine fire and then design of an excavated cutoff barrier to prevent the crop line fire from encroaching on the roadway and an existing high-pressure gas line in Alleghany County, Maryland. Additional services included the stabilization of an existing landslide that had occurred as a result of the mine fire.

Maryland Department of the Environment, Kingsland Mine Pool Investigation – This project included an engineering assessment of the existing conditions of a flooded, abandoned deep mine and its blowout potential as related to public safety concerns of the residents in Alleghany County, Maryland.

### Mining

Project Manager for surface and deep mining activities associated with coal and aggregate mining facilities. Projects include civil site design, geotechnical, surveying, environmental compliance, permitting, stream monitoring, and mitigation services.

Shannopin Materials, LLC, Shannopin Dock Site, Dilliner – Project Manager responsible for the PADEP permitting necessary for the re-opening of an abandoned stockpile area, dock site, and rail load-out facility in Greene County, Pennsylvania.

Dana Mining Company, 4-West Mine, Eisenhower Shaft Site – Project Manager responsible for PADEP permitting, necessary for the installation of a mine shaft at the 4-West Deep Mine in Mt. Morris, Greene County, Pennsylvania.

Dana Mining Company, Prime No. 1 Deep Mine – Project Manager responsible for PADEP permit revisions necessary for an extension of the mining limits and effected area of an existing deep mine facility in Mt. Morris, Greene County, Pennsylvania.



Coresco, LLC, Cobra Refuse Dump #4 – Project Manager responsible for the PADEP permitting necessary for the development and operation of a coarse coal refuse disposal site in Greene County, Pennsylvania. This site also included the land application of alkaline material.

**Water Lines, Water Storage Tanks, and Water Treatment Plants**

Preston County Public Service District No.1, Nine County Roads Waterline Extension Project – Project Director responsible for the coordination and oversight of a waterline extension project in Arthurdale, Preston County, West Virginia. Project included permitting, design, bidding, and construction coordination.

Short Line Public Service District, Ten Mile Waterline Extension Project – Project Director responsible for the coordination and oversight of a waterline extension project in Harrison County, West Virginia. This project also included the initial stages of cost analysis and feasibility evaluations, and system improvement analysis to help minimize water losses.

## EDUCATION

- M.S. Civil/Environmental Engineering, 2011  
West Virginia University
- B.S. Civil/Environmental Engineering, 2009  
West Virginia University

## EMPLOYMENT HISTORY

- 2013-Present Potesta & Associates, Inc.  
2012-2013 Sci-Tek Consultants, Inc.  
2009-2012 West Virginia University Geotechnical  
Department  
1993-2009 Quality Construction, Quality Crane  
Service, and Sons

## PROFESSIONAL REGISTRATIONS

Engineer-in-Training – West Virginia

## PROFESSIONAL CERTIFICATIONS

- Troxler Moisture – Density Gauge
- OSHA Hazardous Waste Operations and Emergency  
Response Training – 40-hour

## TRAINING/RELEVANT COURSE WORK

- Pennsylvania One Call Web Ticket Entry Training
- Engineers Society of Western Pennsylvania – Simply  
Smart Writing Tools Training

## AREAS OF SPECIALIZATION

Involved with many aspects of Civil Engineering including Civil Site Design, Permitting, Construction Monitoring, Laboratory Testing, and Construction with a special interest in the Geotechnical/Environmental aspects.

## PROFESSIONAL EXPERIENCE

### Geotechnical

Responsibilities have included Geotechnical evaluations including management of subsurface explorations, settlement analysis, slope stability modeling, foundation analysis, landslide repairs, well pad construction, roadway

improvements/repairs, and commercial/residential construction.

MEPCO, Marshall Portal – Completion of nine (9) borings and installation of one inclinometer, associated laboratory testing, geotechnical recommendations, and slope stability monitoring/analysis at a deep mine shaft site to assist with stabilization of mine portal pad and access road near Mount Morris, Pennsylvania.

Town of Granville – Completion of five (5) borings, laboratory testing, geotechnical recommendations, civil site design, contract document preparation, and construction monitoring/testing for the Bowser Street Landslide Repair in Granville, West Virginia.

Stone Energy, Weekly Pad – Completion of several subsurface borings, laboratory testing, geotechnical recommendations, and installation of an inclinometer to monitor slope stability/movement at a natural gas well pad in Wetzel County, West Virginia.

Greer Industries, Cheat River Quarry – Completion of several subsurface borings, laboratory testing, geotechnical recommendations, civil site design, and construction monitoring/testing for the landslide repair and drainage improvements at a limestone mine/quarry in Preston County, West Virginia.

Carmeuse Lime and Stone – Slope stability modeling for proposed slopes for a limestone mine/quarry in Clear Brook, Virginia.

Harry Green Chevrolet – Evaluation of failed retaining wall near Bridgeport, West Virginia.

Stone Energy, Schupbach Ridge Slip – Retaining wall design/construction monitoring for roadway improvement/slip repair in Wetzel County, West Virginia.

Stone Energy, Conley Pad – Retaining wall design for well pad in Wetzel County, West Virginia.

City of Morgantown, Jacobs Street Landslide – Evaluation of a landslide that was impacting a City Street. Involved with subsurface exploration that included 4 borings, design of a soldier beam and lagging retaining wall, and construction observation of the repair.

Northern Panhandle Conservation District, Wheeling Creek #7 Landslide – Evaluation of a landslide that has occurred at a parking area located within the storage area of the Wheeling Creek #7 flood control dam. Involved with drilling of 4 subsurface borings and design of remedial measures, Ohio County, West Virginia

Northern Panhandle Conservation District, Upper Grave Creek Flood Control Dam – Evaluation of a landslide that has occurred on the outslope of the emergency spillway embankment. Involved with drilling of 6 subsurface borings and design of remedial measures and drainage improvements.

CDM Smith – Route 4 Flood Repair for Queen Shoals landslide, Rock Buttress Repair, King Shoals Box Culvert Repair which involved subsurface evaluation including drilling borings and designing repairs for two landslides and one box culvert washout that occurred as a result of the June 2016 flooding on Route in Kanawha County, West Virginia.

White Brothers – Leatherwood Road Repairs which involved with the subsurface evaluation including drilling borings and designing repairs for a bridge repair and two landslides that occurred as a result of the June 2016 flooding in Kanawha County, West Virginia.

Stahl Sheaffer Engineering – Roadway improvement projects. Completion of multiple field explorations and geotechnical reports for bridge and roadway improvements for the gas industry in Roane, Wirt, Wetzel, Ritchie, and Jackson counties, West Virginia.

Stagg Land Resources – Completion of over forty (40) test borings, associated laboratory testing, and sonic drilling for hydraulic fracking sands in Monahans, Texas.

CA Ventures, WVU Housing – Completion of eight (8) test borings, associated laboratory testing, and geotechnical recommendations for a combined shallow and deep foundation system for a proposed 13-story student housing project in downtown Morgantown, West Virginia.

EQT, Ohio River for Horizontal Directional Drilling (HDD) – Completion of 35 test borings, associated laboratory testing, and geotechnical recommendations at three sites in Ohio and West Virginia relating to a proposed pipeline and transmission pad projects.

American Campus Communities, Sunnyside Commons – Completion of 23 test borings, associated laboratory testing, geotechnical recommendations, civil site design, surveying, and construction phase geotechnical consulting/testing for a 5.4 Acre high-density student housing project in downtown Morgantown, West Virginia.

Glenmark Holding, LLC, Greenbag Road Development – Completion of four (4) borings, laboratory testing, geotechnical recommendations, civil site design, surveying, stakeout, and construction consulting on a commercial development in Morgantown, West Virginia.

EQT, Gemini Compressor Station and Interconnect – Completion of 11 borings, laboratory testing, wetland delineation, mine mapping/research, and preliminary geotechnical recommendations for a proposed compressor station and interconnect in Harrison County, West Virginia.

West Virginia Department of Environmental Protection, AML – Subsurface evaluation for Lake Lynn Complex near Morgantown, West Virginia. Drilling included drilling into the mines and setting piezometers to monitor the water levels in the mine.

Johnson, Mirmiran & Thompson – Subsurface evaluation for proposed bridge at West Virginia University Downtown Loop in Morgantown, West Virginia.

Wastewater Management – Subsurface evaluation for proposed wastewater treatment plant at Snowshoe Resort in West Virginia.

Basic Systems – Construction monitoring of geotechnical recommendations (Geogrid system) at Waynesburg Compressor Station.

Dodge Dealership – Subsurface evaluation for proposed building and site in Elkins, West Virginia.

Columbia Gas/Basic Systems- Chantilly Compressor Station- Completion of subsurface borings, laboratory testing, and geotechnical recommendations for a Compressor Station in Chantilly, Virginia.

Philadelphia Water Department (PWD) Queen Lane Water Treatment Plant- Completion of several subsurface borings, laboratory testing, and geotechnical recommendations in Philadelphia, Pennsylvania.

EQT – Subsurface evaluation for the pad:

- Corona Compressor Station
- Plasma Compressor Station

Rubbermaid Commercial – Subsurface evaluation for proposed building and site near Winchester, Virginia.

Great West Casualty Company – Geotechnical recommendations for a spill along I-68 at Bruceton Mills, West Virginia.

Stone Energy – Completion of several subsurface borings, laboratory testing, and geotechnical recommendations for a natural gas well pad in Wetzel County, West Virginia.

Geotechnical evaluations of encountered coal seams during residential construction and provided recommendations for construction of two separate homes in Harrison County, West Virginia.

- Roger Carter
- Chad Pokrzywa

FedEx – Concrete testing services for compressive strengths and air entrainment in Harrison County, West Virginia.

#### Civil/Site Design

Performed conceptual and final site designs which requiring roadways, erosion and sediment control, stormwater drainage and management West Virginia Department of Environmental Protection (WVDEP) construction stormwater permits, West Virginia Division of Highways (WVDOH) entrance permits, water line, sanitary sewer line and pump design for multiple commercial and residential developments.

Coombs Farm Development- Surveying, civil site design, construction stormwater permitting, entrance permits in Morgantown, West Virginia.

#### Construction Observation

Performed construction observation for ongoing construction projects. Tasks included but were not limited to compaction testing, bearing capacity testing, moisture level testing, construction method observation for site development, utility line placement, pond construction, retaining walls, etc.

Columbia Gas/Basic Systems – Construction monitoring of geotechnical recommendations (Geogrid system) at Waynesburg Compressor Station in Waynesburg, Pennsylvania.

#### Sewer Lines and WWTP

Engineer on numerous public utility projects such as sanitary sewer collection/treatment, as well as combined sewer/storm water improvements.

City of Glenville – Infiltration/Inflow Study for Sanitary System in Glenville, West Virginia.

Hunting Hills – Infiltration/Inflow Study for Sanitary System. Design of improvements to wastewater treatment plant. Permitting with WVDEP and WVDHHR in Monongalia County, West Virginia.

#### Laboratory Testing

Responsible for soils lab at West Virginia University under a graduate research assistantship. Managed all testing and teaching of laboratory classes in accordance with ASTM standards. Installation and startup verification testing of modern GEOTAC testing equipment and software. Geotechnical laboratory research testing for the coal and gas industry.

#### Additional Experience

Construction – Responsible for project management, safety management, preparing bids, purchase orders, and material delivery:

- Framing
- Roofing
- Siding
- Construction Planning
- Electrical
- Plumbing
- Earthwork
- Concrete Finishing
- Drywall
- Operator of cranes, backhoes, skid steers, excavators, etc.

Sand Hill Berries – Construction of a new winery facility. Management of framing, safety, and crane operations in Mount Pleasant, Pennsylvania.

Mennonite Church Camp – Construction of several large pavilions in Mount Pleasant, Pennsylvania. Management of earthwork, safety, framing, roofing, and concrete.

Construction of several structurally insulated foam panel homes (SIP homes). Management of framing, windows, doors, roofing, insulation, and concrete in Fayette and Westmoreland Counties, Pennsylvania.

Completion of many roofing projects including, asphalt shingles, metal roofing, and rubber/ multi layer flat roofing systems in Fayette and Westmoreland Counties, Pennsylvania.

## **Noah Accord, PE**

Noah has more than 12 years experience in structural engineering, design, specification, and project management. During his employment with Alpha Associates and EarthRes Engineering, Noah provided structural design and managed multiple built projects. His experience encompasses a wide range of projects including K-12 and higher education facilities, financial Institutions, emergency services buildings, natural gas facilities, and automotive dealerships. A native of Braxton County, Noah is a Licensed Professional Engineer in Pennsylvania and West Virginia.

### **Project Role: Structural Engineer**

- Structural Engineering and Design
- Concept and Construction Design
- Quality Assurance and Control

### **Professional History**

2015- Present	EarthRes Engineering	Project Manager
2005-2015	Alpha Associates	Associate and Structural Engineer

### **Education**

2004	University of Pittsburgh	B.S Civil Engineering
2005	University of Pittsburgh	M.S Civil Engineering

### **Licenses and Certifications**

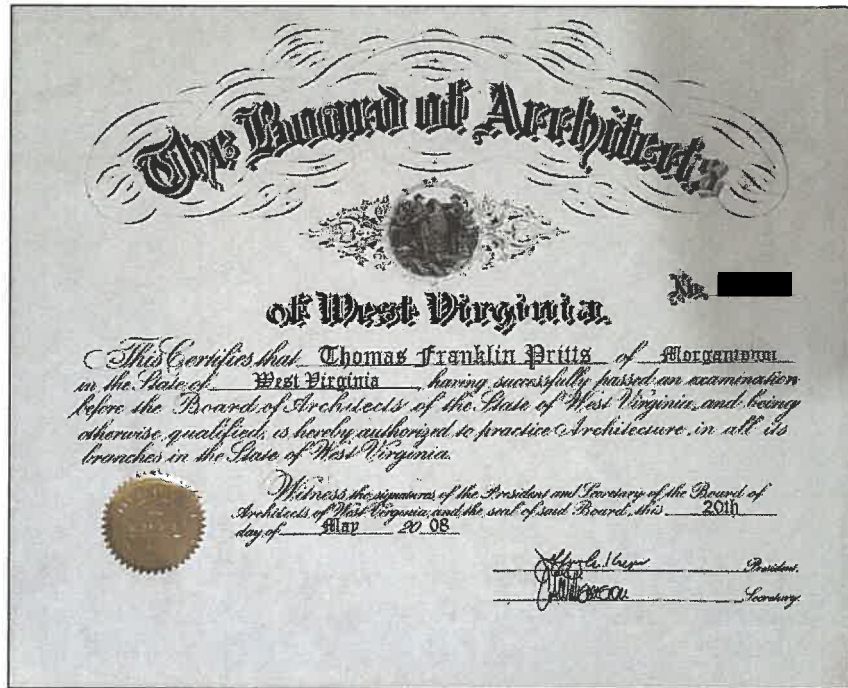
- Licensed Professional Engineer (West Virginia, Pennsylvania)

### **Professional Project Highlights**

- Potomac State College – ADA Connector Building
- Potomac State College – Church-McKee Plaza
- Potomac State College – Shipper Library Façade
- WVU Engineering Sciences Building – East Wing Addition, 10<sup>th</sup> Floor Fit-Out, Basement Renovation
- WVU Engineering Research Building – G07 & G08 Renovation
- WVU College of Physical Activities and Sports Sciences/ Student Health Center
- WVU Center for Alternative Fuel Engines and Emissions
- Alderson Broaddus University – Pyles Arena Deck Replacement
- Glenville State College – Morris Stadium Skybox
- Washington High School, Jefferson County Schools, WV
- Pineville Elementary School, Wyoming County Schools, WV
- Huff Consolidated School, Wyoming County Schools, WV
- Aurora School Addition, Preston County Schools, WV
- Riverview High Field House Design-Build, McDowell County Schools, WV
- Safe School Entries, Monongalia County Schools, WV
- Morgantown High Elevator, Monongalia County Schools, WV
- Clear Mountain Bank, Oakland, MD
- Clear Mountain Bank, Reedsville, WV
- Clear Mountain Bank-Kroger, Sabraton, WV
- Fairmont Federal Credit Union, Bridgeport, WV
- Freedom Ford, Kia, and Volkswagen Automotive Dealerships, Morgantown, WV
- Jenkins Subaru Addition, Bridgeport, WV
- Elkins Fordland Renovation, Elkins, WV
- Elkins Chrysler Dealership, Elkins, WV
- Harry Green Nissan Design-Build, Clarksburg, WV
- Cool Green Automotive Addition and Renovation, Shepherdstown, WV

### **Professional Project Highlights (continued)**

- OPM, Eastern Management Development Center Addition, Shepherdstown, WV
- US Coast Guard – Conference Room Renovation, Martinsburg, WV
- Eastern Panhandle Transit Authority Addition, Martinsburg, WV
- WV National Guard - Armory Office Fit-out, Parkersburg, WV
- South Berkeley Fire Station, Inwood, WV
- Jefferson County Emergency Services Agency – New Headquarters
- Berkeley County Ambulance Authority – South Station Renovation and Addition
- Community Center, Ridgeley, WV
- Wastewater Treatment Plant Renovations, Martinsburg, WV
- Public Works Building, Fairmont, WV
- Clarion Hotel Renovation, Shepherdstown, WV
- FBOP Hazelton Prison Medium Security Complex, Hazelton, WV
- Regional Eye Associates/ Surgical Eye Center, Morgantown, WV
- Bavarian Inn – Infinity Pool/ Pool Bar, Shepherdstown, WV



## The West Virginia Board of Architects

certifies that

**THOMAS F. PRITTS**

is registered and authorized to practice  
Architecture in the State of West Virginia.

In testimony whereof this certificate has been issued  
by the authority of this board.

Certificate Number [REDACTED]

The registration is in good standing until June 30, 2020.

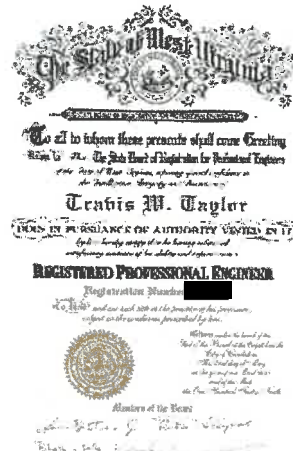
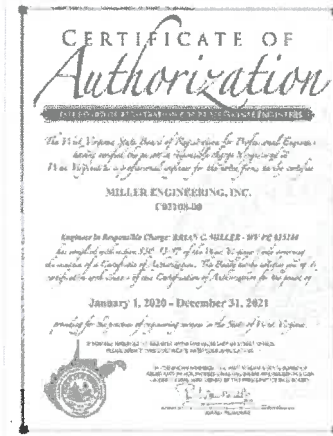


*Gracy Pope*

Board Administrator



# Licenses & Certifications



This is to certify that the above named PROFESSIONAL ENGINEER has met the requirements of the law to duly register and to practice in the State of West Virginia.  
 12/31/2021



This is to certify that the above named PROFESSIONAL ENGINEER has met the requirements of the law to duly register and to practice in the State of West Virginia.  
 12/31/2021





## TAB 2 - PROJECT ORGANIZATION





## **PROPOSED STAFFING PLAN**

### **Montum Architecture**

*Architect, Primary Point of Contact*

*Tom Pritts, AIA*

### **Miller Engineering (MEP Engineer)**

*President*

*Lead Engineer*

*Junior Engineer*

*Designer / BIM Coordinator*

*Craig Miller, PE*

*Travis Taylor, P*

*Eyad Alhalabi*

*Joseph Machnik*

### **EarthRes (Structure Engineer)**

*Structural Engineer*

*Noah Accord, PE*

### **Potesta (Service Engineer and environmental Consulting)**

*Branch Manager/Senior engineer*

*Senior Engineer*

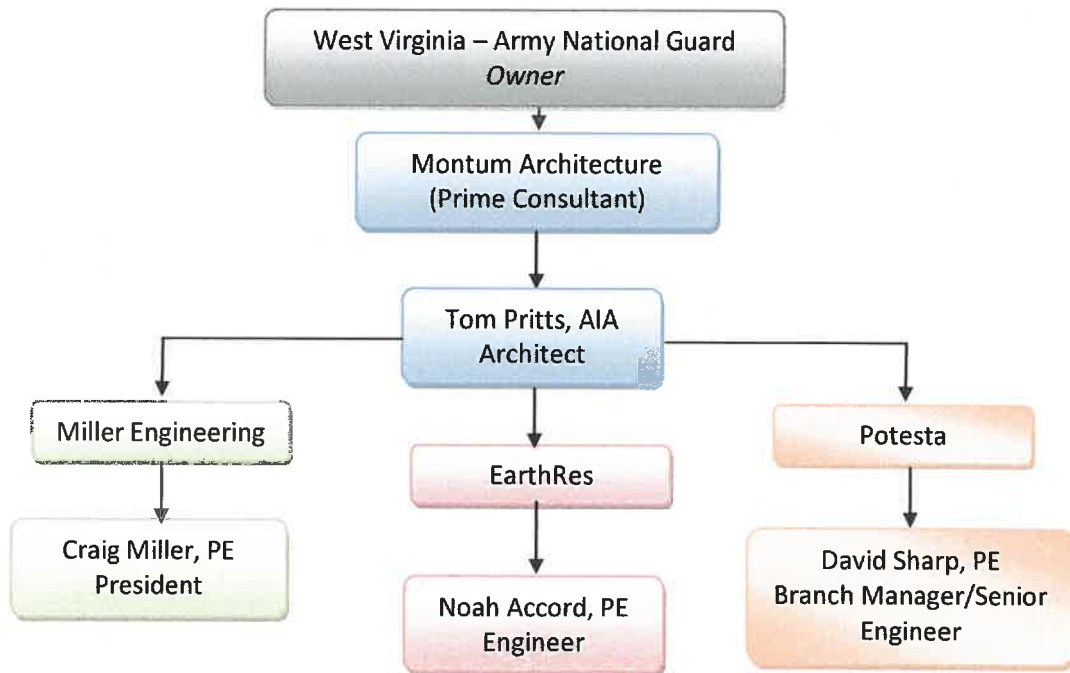
*Engineer*

*David B.Sharp, PE*

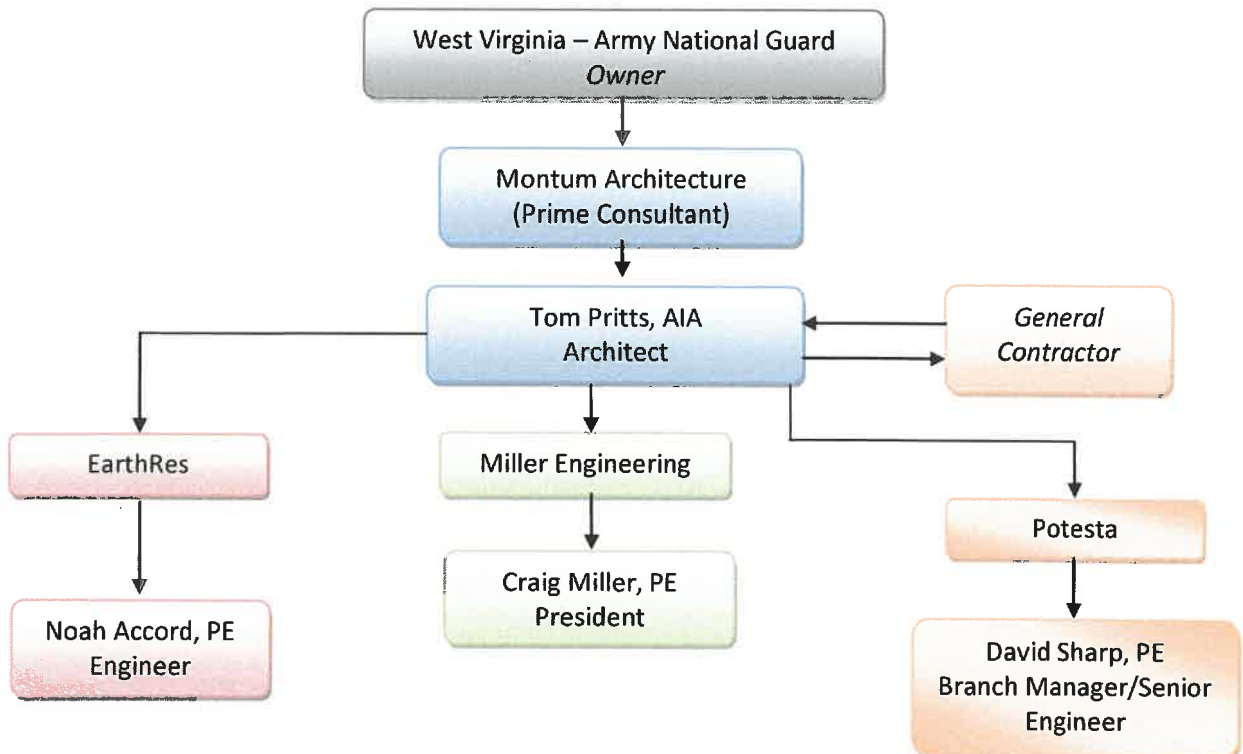
*Timothy M.Rice, E.I.T*

*Jeremi J. Stawovy, E.I.T*

# Organization Chart – Design



# Organization Chart – Construction





## TAB 3 - EXPERIENCE



# BERKELEY SPRINGS STATE PARK POOL BATHHOUSE ROOFING REPLACEMENT



West Virginia Division of Natural Resources contracted Montum Architecture to specify and administer roofing replacement of the Pool Bathhouse at Berkeley Springs State Park. The existing roofing was a combination of EPDM and built-up roofing. Failing wood framing was replaced and ACM abatement was incorporated in the demolition.



COMPLETED: 2018

COST: \$155,400

SIZE: 2,800 SF RENOVATED

LOCATION: BERKELEY SPRINGS, WV

CONTACT:  
Carolyn Mansberger  
DNR Project Manager  
304-558-2764

*Montum* Architecture, LLC

37 ER Path, Keyser, WV 26726 • 304-276-7151 • tom@montumarch.com • montumarch.com

# WYOMING COUNTY SCHOOLS WYOMING EAST HIGH SCHOOL HVAC AND ROOF REPLACEMENT



The West Virginia School Building Authority funded replacement of the HVAC systems and roofing at the existing Wyoming East High School in 2017. Montum Architecture was the architect-of-record for the HVAC project and integrated the roofing design consultant's information into bid package scenarios. Work was being performed within an occupied building with close coordination of school daily schedules and calendar of events. Many of the units were being replaced one-for-one with some zones being split into multiple units to allow flexibility of new curriculum within the spaces or needs for additional comfort control. Ceilings were being replaced to meet updated guidelines for educational facility acoustics.

COMPLETION: SUMMER 2019

BUDGET: \$3.2M

SIZE: 130,000 SF EXISTING

LOCATION: NEW RICHMOND, WV

CONTACT:  
Donald Clay  
Director of Facilities  
304-732-6262

*Montum* Architecture, LLC

37 ER Path, Keyser, WV 26726 ● 304-276-7151 ● [tom@montumarch.com](mailto:tom@montumarch.com) ● [montumarch.com](http://montumarch.com)

# BERKELEY SPRINGS STATE PARK OLD ROMAN BATHHOUSE RENOVATIONS

# Montum

## Architecture



West Virginia Division of Natural Resources contracted Montum Architecture to design repairs and improvements to the Old Roman Bathhouse at Berkeley Springs State Park. The structure was built in 1815 with various changes and updates since then. Work includes repairs to the tub structure and plumbing, replacement of the boiler, floor tile replacement, and other updates to fit and finish.



COMPLETION: SPRING 2020

COST: \$782,800

SIZE: 2,500 SF RENOVATED

LOCATION: BERKELEY SPRINGS, WV

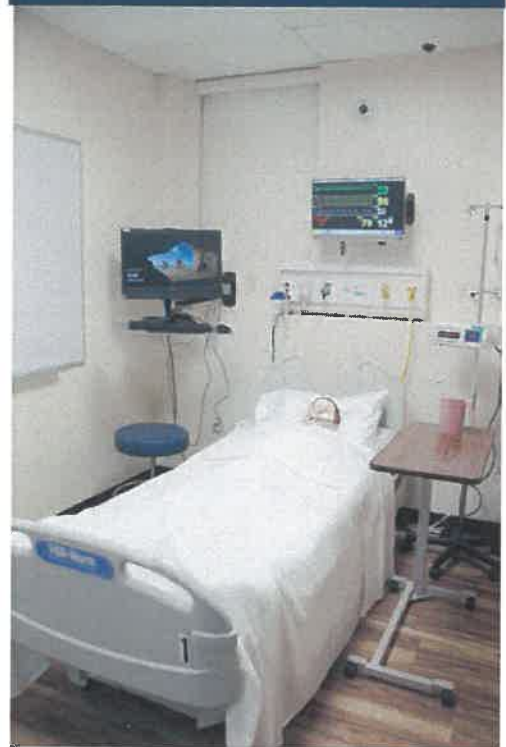
CONTACT:  
Carolyn Mansberger  
DNR Project Manager  
304-558-2764

Montum Architecture, LLC

37 ER Path, Keyser, WV 26726 • 304-276-7151 • tom@montumarch.com • montumarch.com



# POTOMAC STATE COLLEGE BACHELORS IN SCIENCE OF NURSING RENOVATION



West Virginia University - Potomac State College received the former National Guard Armory in 2016. In addition to recreational facilities, the newly named J. Edward Kelley Center will house the 4-year WVU School of Nursing BSN program. The project converted former meeting spaces into demonstration nursing laboratories and lecture spaces. Office spaces were renovated. Electrical and HVAC systems were updated to meet the new needs.



COMPLETED: 2018

BUDGET: NOT DISCLOSED

SIZE: 3,900 SF RENOVATED

LOCATION: KEYSER, WV

CONTACT:  
Mike Simpson  
Director of Facilities  
304-788-6886

*Montum* Architecture, LLC

37 ER Path, Keyser, WV 26726 • 304-276-7151 • [tom@montumarch.com](mailto:tom@montumarch.com) • [montumarch.com](http://montumarch.com)

## Descriptions of Past Projects Completed – MEP

### Cacapon Old Inn

Berkeley Springs, WV

#### Services Provided:

- HVAC
- Plumbing
- Electrical

MEP Budget: \$98k

Facility Area: 5,500 ft<sup>2</sup>

Owner: West Virginia Division of  
Natural Resources



The Old Inn at Cacapon State Park is a popular lodging choice for large gatherings at the park. The Old Inn only had window AC and heating only through fire places. MEI designed a complete HVAC renovation which includes propane fired furnaces with DX air conditioning to serve the first floor common areas.

The guest rooms on the second floor utilize mini-split system units, allowing for individual room control. The kitchen area was completely renovated including new appliances making it more useful for large gatherings.

The HVAC renovation required architectural and structural modifications to the facility. The guest rooms were updated with new furniture and bathrooms were updated as well. Great detail was taken to keep any modifications in-line with the historical component of the Old Inn.

#### Project Contact:

*Debbie Demyan, Project Engineer*  
State Parks Section  
(304) 550-4892

## Descriptions of Past Projects Completed – MEP

### Watoga State Park Cabin Renovations

Marlinton, WV

#### Services Provided:

- Mechanical
- Electrical
- Plumbing

Owner: WV DNR



MEI was contracted to design the mechanical, electrical, and plumbing renovations to cabins at Watoga State Park. The park has two types of cabins, original CCC era cabins, and the newer modern cabins. Both cabins required complete electrical and plumbing renovations including electrical service upgrades. The modern cabins had a kitchen and bathroom renovation. The CCC cabins involved the addition of a dining room. Additionally, the CCC cabins which had no HVAC, now have ductless split systems with heat pumps. This now allows the CCC cabins, which were only seasonal during the summer, to be available for rent all year long. The cabins have small footprints, so tankless water heaters were used in the kitchen and bathroom. The projects were successfully completed in the spring of 2019.

Project Contact:  
Brad Leslie, PE  
WV DNR  
(304) 558-2764

## Descriptions of Past Projects Completed – Fire Protection

### Camp Dawson FMS4 Fire Protection

Kingwood, WV

#### Services Provided:

- Fire Protection

**Budget: \$130K**

**Facility Area: 7,400 sq ft**

**Owner: WVARNG**



FMS4 is a vehicle and equipment repair facility located on the Camp Dawson Army National Guard base located near Kingwood, WV. The 7,400 square foot facility includes 4,800 square feet of high bay service area, with the remaining area dedicated to office space, storage, and locker rooms. The facility contains bulk storage of oil and other equipment fluids, requiring fire protection. MEI was tasked with designing a fire protection system which would provide adequate coverage of FMS4 and meet applicable codes. Through research of NFPA 30 and NFPA 13, MEI was able to determine the size of the service and coverage requirements. MEI determined that by providing separation of the bulk storage from the rest of the facility, the fire protection service requirements could be reduced, eliminating a water service upgrade by the utility. Montum Architecture was brought on board to provide architectural support in regards to the separation of the bulk storage room and for the construction of the sprinkler room. The project was successfully completed in December 2019, one month ahead of schedule.

Project Contact:

*Jim Skaggs*

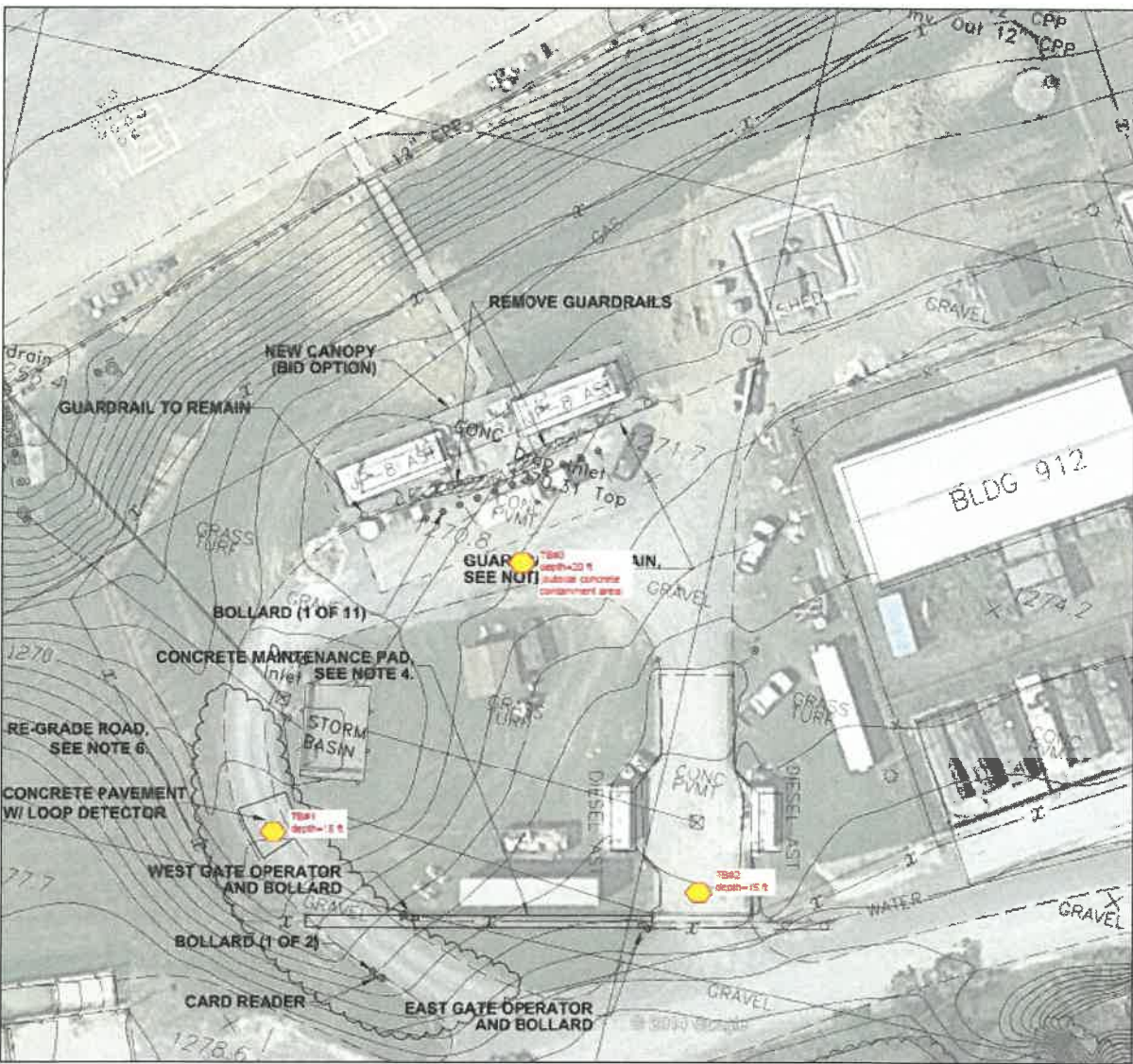
*WV ARNG*

*(304) 561-6550*

# PROPOSED FUELING SYSTEM REPAIRS CAMP DAWSON

*Rockford Corporation  
Kingwood, Preston County West Virginia*

Potesta & Associates, Inc. (POTESTA) performed geotechnical engineering services for a project that consisted of site work and construction of proposed fueling system repairs located at the Camp Dawson Facility in Kingwood, Preston County, West Virginia. The subsurface investigation included geotechnical borings, laboratory testing, and a geotechnical report with foundation and site recommendations.



**POTESTA & ASSOCIATES, INC.**  
Charleston, WV • Morgantown, WV • Winchester, VA  
Phone: (304) 342-1400 • Fax: (304) 343-9031 • [www.potesta.com](http://www.potesta.com)

# PROPOSED MAILROOM BUILDING CAMP DAWSON

*ZMM Architects and Engineers  
Kingwood, Preston County West Virginia*

Potesta & Associates, Inc. (POTESTA) performed surveying and geotechnical engineering services for a project that consisted of site work and construction of proposed mailroom building located at the Camp Dawson Facility in Kingwood, Preston County, West Virginia. The subsurface investigation included geotechnical borings, laboratory testing, and a geotechnical report with foundation and site recommendations. POTESTA also performed private utility location services and topographic surveying services for the proposed project.



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

# UNDERGROUND UTILITY LOCATION PROJECT CAMP DAWSON

*ZMM Architects and Engineers  
Kingwood, Preston County West Virginia*

Potesta & Associates, Inc. (POTESTA) performed private utility location, surveying, and engineering services for the existing utilities for approximately 150 acres of the Camp Dawson Facility in Kingwood, Preston County, West Virginia. The project consisted of locating the existing aboveground/underground utilities and providing construction documents to move the existing aboveground utilities to underground.



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

# STUDENT TRAINING FACILITY BUILDINGS CAMP DAWSON

*ZMM Architects and Engineers  
Kingwood, Preston County West Virginia*

Potesta & Associates, Inc. (POTESTA) performed surveying, engineering, geotechnical services for a project that consisted of site work and construction of two buildings designated as Site 1 (approximately 0.75 acre) and Site 2 (approximately 2 acres) located at the Camp Dawson Facility in Kingwood, Preston County, West Virginia. The subsurface investigation included geotechnical borings, laboratory testing, and a geotechnical report with foundation and site recommendations. POTESTA also performed private utility location services and topographic surveying services for the proposed project.



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**TAB 4 - PROJECT METHODOLOGY**





## **Project Methodology & Approach**

### **Evaluation**

Montum Architecture will begin the design process by reviewing all existing documentation regarding all three cottages: Stone Cottage, General's Cottage, and the Sergeant's Major Cottage. These include construction documents, submittals, and as-built drawings. Montum will review the floorplans for compliance with modern building codes, ADA requirements, and any other applicable life safety codes. Miller Engineering (MEI) will perform an evaluation of the MEP systems including HVAC, plumbing, electrical, and telecommunications. EarthRes will serve to evaluate the cabins' structures, both current conditions and for any modifications. Potesta & Associates (Potesta) will be utilized to locate site utilities and provide geotechnical support if needed. Input from all team members will be used to create BIM (building information modeling) models of the cabins. Autodesk software, REVIT and AutoCAD, will be used to create the models, perform drafting, and incorporate both to create the design documents.

### **Schematic**

Montum will review its findings during the site evaluation along with the reviews from Miller Engineering, EarthRes, and Potesta to determine the required modifications to bring the cabins up to the current applicable code standards. Montum will combine these requirements with the needs and wants of the owner on the project to create a prioritized list of items needing addressed on the project. Montum will work with the sub-consultants to determine the best approach to meet code requirements in addition to improving the floor plans for both appearance and flow. The result of this collaboration will direct Montum on the design direction. Montum will coordinate with MEI, EarthRes, and Potesta to create the 35% design documents. A budget will be created using material takeoffs and vendor quotes where available. All budgets will be broken out to better convey to the owner the cost implications of the required items and owner's additional requests. Both the documents and budget will be transmitted to the owner with a design meeting to follow to review and discuss the direction of the design.

### **Design Development**

Montum will take input from the owners based upon review of the 35% design documents and proceed. While the requirements of the EOI give specific milestones for progress sets (35%, 65%, 95%, & 100%), Montum will immediately communicate any items discovered that could lead to delays or increases in probable construction costs. All decisions made by the design team or by the owner will be reflected in the estimates and these changes will be relayed to the owner. This is for Montum to provide the owner the necessary information to make informed decisions. The 65% and 95% progress sets will reflect the outcomes of the formal and informal discussions with the owners. Montum will take part in

design document reviews with the owner to discuss changes made during the progression to new design sets and make revisions based upon owner review. Montum will also facilitate coordination between sub-consultants and the owner for coordinating tying new systems to the owner's systems on site (fire alarm, access control, surveillance, etc.) to provide a clear point of demarcation on the documents. Discussions regarding budgets will involve both first costs and life-cycle costs to help determine types of systems used.

#### Construction Documents

The previous reviews of design documents with the owner will lead to the creation of the construction documents. Montum will also ensure coordination between the designs of sub-consultants to reduce the chance of conflicts which can lead to change orders during construction. All estimates will be updated and combined to create the final estimate of probable construction costs. Final drawings and specifications will be transmitted to the owner. Montum will assist the owner in creating the project manual from the technical specifications and owner's front-end contract documentation

#### Bidding

During bidding, Montum will take part in all activities to ensure the owner receives clear and complete bids. Montum will take part in the pre-bid meeting to relay the technical scope of work, review and answer questions from bidders, and prepare addenda as necessary. Montum will also assist in reviewing bids received and make recommendations to the owner. Montum has completed many projects through WV State Purchasing and understand the requirements to successfully bid a project with the state of West Virginia.

#### Construction Administration

During construction, Montum will take the role as the point of contact between the owner, contractor, and sub-consultants. This role is to ensure a clear path of communication between all members. Montum Architecture's construction administration services will include answering any RFIs (requests for information) and reviewing submittals, shop drawings, and progress applications for payment. Montum will take part in regular progress meetings and site visits to verify that the project is being constructed in compliance with the documents and the project stays on schedule. Montum believes that frequently communicating with the owner and contractors will reduce the probability of issues found during construction will lead to delays and change orders. Quick turnarounds on submittal reviews and RFI responses will also keep the project on schedule. As construction winds down, Montum will ensure that all systems are properly started up, tested, and commissioned. The documents will be written to require the contractor to train the owner's personnel on all new systems. Our team will not disappear once the project is completed. We will be available to the owner through the warranty period to provide support as needed.



## TAB 5 - EOI SIGNED FORMS





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

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

Proc Folder: 679906

Doc Description: Cottage Renovation Design Camp Dawson

Proc Type: Central Purchase Order

Date Issued	Solicitation Closes	Solicitation No	Version
2020-01-28	2020-02-17 13:30:00	CEOI 0603 ADJ2000000004	1

**BID RECEIVING LOCATION**

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

**VENDOR**

Vendor Name, Address and Telephone Number:

**FOR INFORMATION CONTACT THE BUYER**

Tara Lyle  
 (304) 558-2544  
 tara.l.yle@wv.gov


Signature X

FEIN # 82-1385831

DATE February 14, 2020

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

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

  
Member  
\_\_\_\_\_  
(Name, Title)  
Thomas Pritts, Member  
\_\_\_\_\_  
(Printed Name and Title)  
37 ER Path, Keyser, WV 26726  
\_\_\_\_\_  
(Address)  
304-276-7151  
\_\_\_\_\_  
(Phone Number) / (Fax Number)  
tom@montumarch.com  
\_\_\_\_\_  
(email address)

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

Montum Architecture, LLC

\_\_\_\_\_  
(Company)

  
Member

\_\_\_\_\_  
(Authorized Signature) (Representative Name, Title)

Thomas Pritts, Member

\_\_\_\_\_  
(Printed Name and Title of Authorized Representative)

February 14, 2020

\_\_\_\_\_  
(Date)

304-276-7151

\_\_\_\_\_  
(Phone Number) (Fax Number)

**ADDENDUM ACKNOWLEDGEMENT FORM**  
**SOLICITATION NO.: CEOI ADJ2000000004**

**Instructions:** Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

**Acknowledgment:** I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

**Addendum Numbers Received:**


(Check the box next to each addendum received)

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6  |
| <input type="checkbox"/> Addendum No. 2            | <input type="checkbox"/> Addendum No. 7  |
| <input type="checkbox"/> Addendum No. 3            | <input type="checkbox"/> Addendum No. 8  |
| <input type="checkbox"/> Addendum No. 4            | <input type="checkbox"/> Addendum No. 9  |
| <input type="checkbox"/> Addendum No. 5            | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that 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.

Montum Architecture, LLC

\_\_\_\_\_  
Company

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

February 14, 2020

\_\_\_\_\_  
Date

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

STATE OF WEST VIRGINIA  
Purchasing Division

# PURCHASING AFFIDAVIT

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

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

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

**DEFINITIONS:**

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

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

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

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

**WITNESS THE FOLLOWING SIGNATURE:**

Vendor's Name: Montum Architecture, LLC

Authorized Signature: [Signature] Date: February 14, 2020

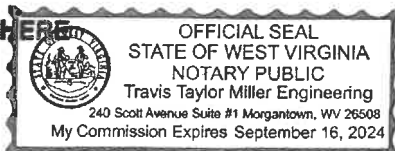
State of West Virginia

County of Monongalia, to-wit:

Taken, subscribed, and sworn to before me this 14<sup>th</sup> day of February, 2020.

My Commission expires September 16, 2024

AFFIX SEAL HERE



NOTARY PUBLIC [Signature]

Purchasing Affidavit (Revised 01/19/2018)