

PICKERING ASSOCIATES

**EXPRESSION OF INTEREST:
West Virginia Army National Guard - Camp Dawson**

Road Paving Design

Kingwood, West Virginia

August 30, 2018

RECEIVED

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WV PURCHASING
DIVISION

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



Dear Review Committee:

Pickering Associates is pleased to have the opportunity to submit this proposal for providing Architectural/Engineering design services for road paving design at West Virginia's Army National Guard Camp Dawson Training Center. We feel confident our design team is uniquely qualified to provide design services for this project.

Our approach will offer advantages in methodology and delivery, which will elevate the success of your project both now and for years to come. Our firm is capable of providing full architectural and engineering services in house to complete the scope of your project and has had the opportunity to provide full architectural and engineering services to multiple governmental agencies throughout our history. Our team, through our past projects and experiences, has learned unique ways to meet even the most challenging of demands. We will take the time to review and evaluate not only the existing equipment but also understand the issues and challenges the owner and personnel are struggling with on a daily basis. Our task following these evaluations will be to provide the owner's team with options to meet their needs and budget. We focus not only on just the initial cost but also life cycle cost to the owner's bottom line and provide insight to all aspects of the scope to allow the owner to make an informed decision; insuring that every dollar is spent wisely.

You will see that team work is the spirit and foundation of our organization. We acknowledge the importance of a quick turn-around and excellent quality services which our administrative procedures, overall organization and depth of experience are posed to provide you. As you will see from our resumes and company experience, we are uniquely qualified to offer the professional services required and to ensure that your project becomes a reality.

We understand the scope of this project will include providing a design for the renovation and re-paving of approximately 5,000 linear feet of existing roadway at Cap Dawson's Site. Additionally this project needs geotechnical work, including drill borings, research on above and below ground utilities, and road infrastructure improvements.

Through the years, Pickering has taken pride in finding unique solutions to some of the most challenging problems. From a very short delivery/need based schedule for emergency work to limited and stretched budgets/funds. You will find a growing list of repeat clients who come back to Pickering because of the importance we place on each and every job we work on as well as every single client we interact.

Another challenge can come from multiple design firms on one project. With Pickering, our company can provide full services in all areas of architecture and engineering without stepping foot outside our company. Each project/client gets assigned a project lead who handles all coordination within our organization. This structure removes the traditional deflection of responsibility when an issue arises and gives the client and the project lead a direct understanding of roles and responsibility on the project.

We look forward to personally discussing our qualifications to complete this project on time, within budget and exceeding the standards of any firm you may have worked with previously.

Should you have any questions regarding this proposal, please do not hesitate to contact us.

Respectfully submitted,



Jessica Lee, Marketing Coordinator

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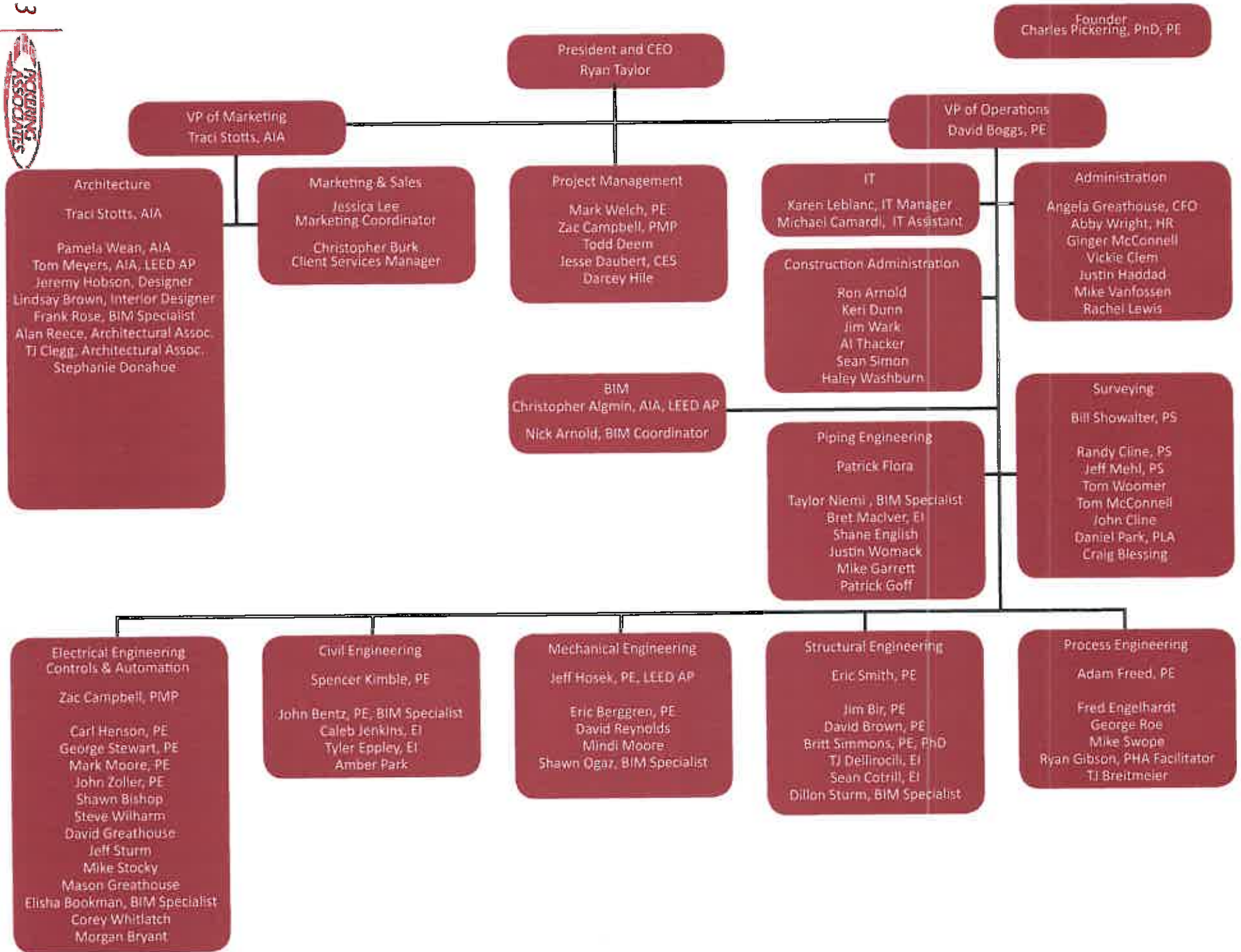


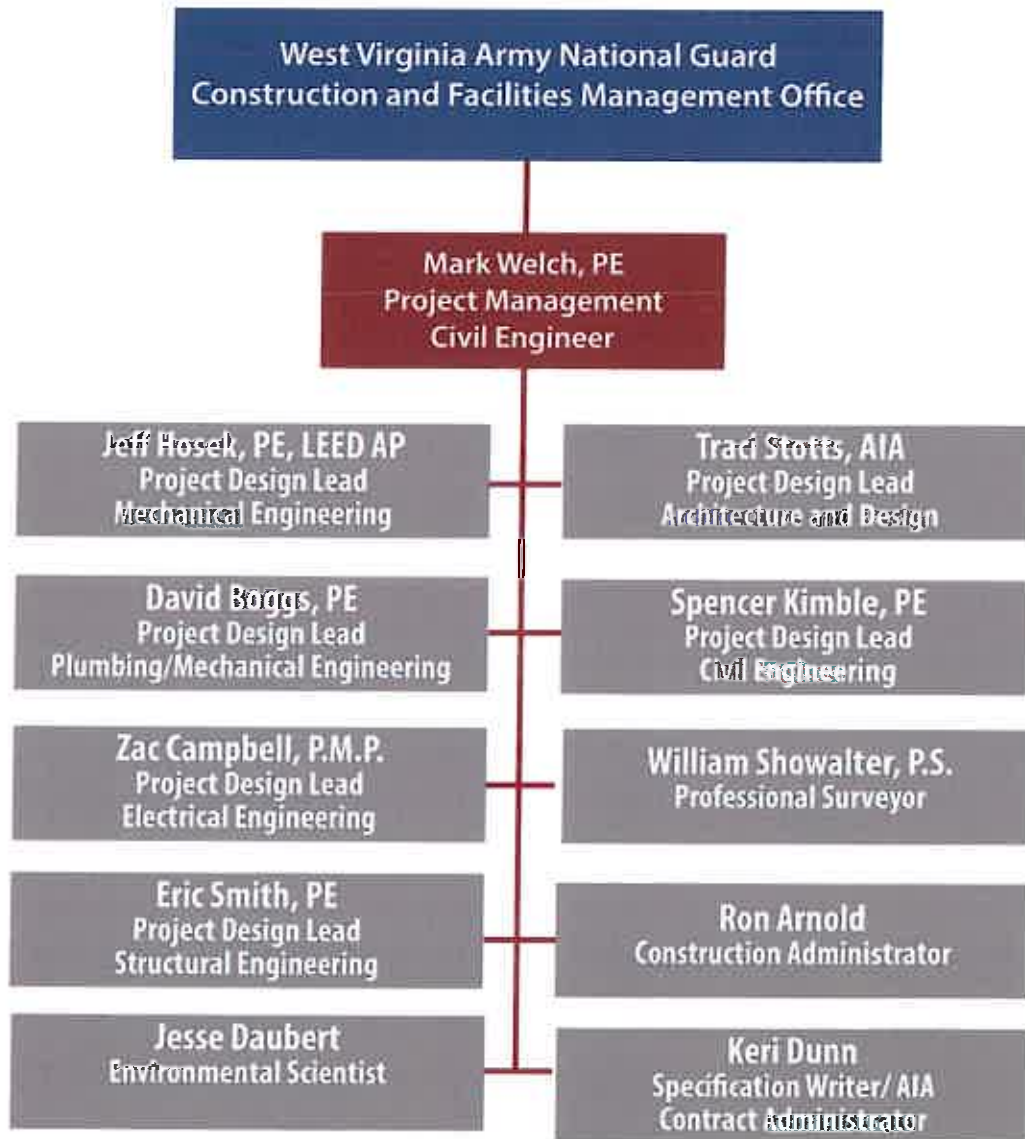
Contents

- 2** Our Company
- 6** Technical Expertise
- 30** Our Services
- 38** Related Experience
- 54** References



Our Company







Technical Expertise



Mark Welch, P.E.

Position/Title

*Senior Project Manager
Civil/ Structure Engineer*

Duties

Project Management

Education

*West Virginia University
B.S., Civil Engineering
Marshall University,
M.S., Engineering Management*

Licenses

Professional Engineer WV, OH, LA, PA, IN, TN

*The joy of engineering is
turning today's dream into
tomorrow's reality.*

Lead Civil Engineer for a new 930 square foot equipment room addition for a cath lab renovation at a hospital in Parkersburg, WV.

Assisted with site selection and planning for a new salt and motorcycle storage building for a local university in Parkersburg, WV.

Designed grading, drainage and pavement of site development for a new fast-food restaurant in Parkersburg, West Virginia. Provided foundation design for a pre-designed corporate prototype building.

Assisted in the design to enclose an existing courtyard between two buildings in order to house both transportation and phlebotomy offices in a hospital in Parkersburg, West Virginia. Designed combination structural steel/cold-formed metal roof and lateral-force-resisting system to accommodate existing building characteristics and movement.

Project Manager for the Civil/Architectural/Structural departments for a 3,500 sf restaurant in Weston, WV. Responsibilities include assisting with the design and drafting of project documents and coordination between architectural and structural engineering departments.

Project Manager for the field examination and research on the cause of roof shingle damage on an insurance building in Mason, WV. Other duties involved writing investigation reports and providing engineering recommendations for fixing the existing conditions without a repeat occurrence.

Project Manager for an investigation and reporting on the cause of a structural collapse of the fifth floor roof at a hospital in Parkersburg, WV. Responsibilities included the development of the structural analysis report and recommendations to fix the issues at hand.

Structural design and drafting on a rad room renovation at a hospital in Parkersburg, WV. Work included installation of a new x-ray machine and new structural supports.

Designed a new storm sewer system for a higher education roadway project in Athens, OH. Responsibilities included designing site plan, profiles, etc., creating front end bid documents and construction specifications as well as performing construction administration.

Project Manager and Designer for the grading, site layout and drawings of a state-of-the-art skate board park in Marietta, OH.

Designed site grading and parking layout for bank in Parkersburg, WV. Responsibilities included performing storm water drainage calculations to obtain permits and designed a swale to hold excess storm water and outlet pipe.

Coordinated the Civil/Structural department involvement as well as assisted with the design of the structural & civil disciplines to construct a new viewing room addition, driveway, porte-cochere and pedestrian walkways on a funeral home in Belpre, WV.

Designed storm water system and new grading layout for a fire department annex in Vienna, WV. Other duties also involved assisting with the design, drafting and construction estimate of the civil and structural project elements of the new two-story facility.



Zac A. Campbell, P.M.P.

Position/Title

Electrical Engineer,
Electrical and Controls System Engineering
Department Manager

Duties

Electrical Engineering

Education

Fairmont State University
B.S., Electrical Engineering and Technology
Marshall University,
M.S., Engineering Management

Licenses

Project Management Professional,
Project Management Institute

*The difference between the
possible and the impossible lies
in a person's determination.*

Tommy Lasorda

Lead Electrical Engineer for new Emergency Department Consolidation and Patient Room Expansion project.

Project scope includes providing design and engineering for the electrical connection to the existing 15kV Mon Power switch tap and the installations of the new medium voltage underground feed to the new facility electrical room, providing design and engineering for the building's electrical distribution system to meet the expectations of the new electrical loads, providing design and engineering for the installation of new receptacles, light fixtures, light switches, electrical equipment for the new floor plan arrangements, providing design and engineering for the life safety requirements, emergency power requirements, and emergency lighting requirements for the new floor plan arrangements, etc.

Electrical Engineer for the renovation of HVAC system in a campus building in Athens, Ohio. Project included replacement of air handling unit motors and specifying wiring of new Variable Frequency Drives.

Electrical Engineer for a new medical office building located in Belpre, Ohio. Project included new receptacles, light fixtures, life safety, emergency power and lighting, fire alarm detection, and telecommunication. Extensive coordination was required for the specialized scanning equipment.

Electrical Engineer for OB and Pediatric department renovations. Project included new receptacles, light fixtures, life safety, emergency power and lighting, fire alarm detection, telecommunication, nurse call and facility paging to fit the new floor plan.

Electrical Engineer for Fifth Floor Medical/Surgical Nursing Unit Renovations. Project included new receptacles, light fixtures, life safety, emergency power and lighting, fire alarm detection, telecommunication, nurse call and facility paging to fit the new floor plan.

Electrical Engineer for Third Floor Medical/Surgical Nursing Unit Renovations. Project included new receptacles, light fixtures, life safety, emergency power and lighting, fire alarm detection, telecommunication, nurse call and facility paging to fit the new floor plan.

Electrical Engineer for an emergency room, fast-track, and central registration renovation project. Project included new receptacles, light fixtures, life safety, emergency power and lighting, fire alarm detection, telecommunication, nurse call and facility paging to fit the new floor plan.

Electrical Engineer for the design and construction administration of a new 1200A, 480V electrical service and electrical distribution system in an existing building in Downtown Parkersburg, WV for West Virginia University at Parkersburg's new Downtown Center. The project includes a new main panel and sub-panels throughout the building for future building loads.

Electrical Engineer for the relocation of three cardiac catheterization laboratories. Project consisted of three new cath labs, adjacent control rooms, equipment rooms, special procedure bays, echo room, stress testing room and various support spaces.

Electrical Engineer for the installation of two (2) uninterrupted power supplies for the main operating rooms and the ambulatory surgery rooms at Marietta Memorial Hospital.

Electrical Engineer for the Fourth Floor Acute Care Unit Renovations. Project included renovations to approximately 19,600 SF of the fourth floor at the north tower and east/west wings of the main building at the Memorial Campus. The area was renovated to accommodate 33 private acute care patient rooms, 10% of which are ADA compliant. The project also included provisions for nurse stations, clean utility, soiled utility, nourishment, medication rooms, storage rooms, central bathing facilities, offices, staff locker rooms, and various other support spaces as required by the functional program.



Spencer Kimble, P.E.

Position/Title

Civil Engineer

Engineering is a form of art and has filled the world with things of obvious visual beauty but also subtle forms.

Duties

Civil Engineer

Education

*West Virginia University
B.S., Civil Engineering*

Louis Brown

Licenses

Professional Engineer WV, OH

Project Manager and Civil Engineer for over 40 horizontal drilling locations throughout WV and Ohio. Typical projects included a new access road, drill pad, production pad, above or in-ground water storage location, and sediment/erosion control measures. Work also includes coordinating with local highway departments and utility providers to obtain permission for proposed work.

Construction manager for multiple oil and gas projects throughout Ohio and West Virginia. Work includes checking for conformance of construction activities to the design drawings, holding weekly progress meetings, and handling change orders.

Civil Engineer for a new subdivision in Marietta, OH. Work included design of new City streets, storm water drainage, public utilities, lot separations, and sediment/erosion control measures. Work also included coordinating with City officials and utility providers about the upcoming project to obtain approvals.

Civil Engineer for a new retail business in Utica, OH. Project was located within the 100 yr. flood elevation and design had to incorporate compensatory storage in conjunction with elevating the floor slab to 2 feet above the base flood elevation. Work also included grading, storm water, utility design, and coordinating with authorities.

Civil Engineer for a new restaurant in Vienna, WV. Project was located within City limits and had to incorporate very strict storm water management practices. Design of an underground storm water retention system to capture the first 1" of rainfall. Design also included grading, site layout, utility design, and coordinating with authorities.

Lead Civil Engineer for the design of \$1.8M physical therapy administrative building on Parkersburg, West Virginia. The project was developed to consolidate all administrative services for a busy multiple office physical therapy practice. As a part of the project a large portion of square footage was dedicated to a Cross-Fit training center.

Lead Civil Engineer for the design of two medical office buildings totaling approximately 30,000 SF near the traffic circle in Parkersburg.

Civil Engineer for approximately 3,925 linear foot waterline replacement in Devola, OH. Project included close coordination with Putnam Community Water personnel to replace approximately 3,925 linear feet of existing infrastructure with 6" line, and design tie-in connections to existing water mains to remain in place. Design duties include an on-site meeting, proposed waterline alignment and profiles, on-drawing specifications, and construction-related details.



Traci L. Stotts, AIA

Position/Title

*Architect,
Vice-President of Marketing and Development*

Duties

Architect and Project Manager

Education

The Ohio State University

B.S., Architecture

University of North Carolina Charlotte

Professional Bachelor of Architecture

Marshall University

Master of Science in Technology Management

Licenses

Professional Architect WV, OH

*Unless you try to do something beyond
what you have already mastered, you
will never grow.*

Ralph Waldo Emerson

Lead Architect for the design of new \$20M Emergency Department with private acute care rooms connected with the hospital's North and South Tower. Project consisted of 46 Emergency Department bays, 3 trauma rooms, 3 psychiatric holding rooms, a stat lab, CT scanner, a plain film x-ray unit, support services offices, waiting rooms, lounges, and emergency transport team offices.

Architect and project manager for the renovation of the existing Emergency Department at a local hospital in Parkersburg, WV. Renovations encompassed approximately 15,000 SF on the ground floor and 1,500 SF on the first floor for emergency department expansion. Scope of work included relocating central registration, offices and vending areas to the first floor, reworking the nurse triage and triage waiting spaces, adding a new chaplain office adjacent to the emergency department, creating two additional behavioral health holding rooms, addition of a padded holding room, reworking the security and guest relation spaces with the waiting area, and adding a 700 SF fast-track area with two exam rooms, a procedure room and a nurse station. Other renovations included minor finish upgrades and ensuring that the spaces met code and ADA compliance.

Lead Architect for an addition and renovation to an existing funeral home in Belpre, Ohio. Concerns with gaining additional space to enlarge the facility so as to better serve clientele drove the project. New designs features space to increase the current viewing area, new arrangement room, new entrance vestibule and new porte-cochere. Renovations to the existing facility were slated to better for functional requirements including addition of a multi-purpose room for dinners and other functions, redesign of existing toilet facilities and addition of a children's play area and new kitchen. Exterior upgrades included stone veneer, trellis area and canopies to enhance aesthetic quality.

Designed a 10,000 SF two-story office building for a drilling company in Ellenboro, WV. Pickering worked with the owner and interviewed employees to evaluate their current and future needs. The design includes space for 18 offices, private owner office/quarters, conference rooms, central reception and work areas, employee break room, filing and open two-story vestibule design. Exterior components include a stone veneer base, composite shakes and siding, three exterior porch areas designed with a heavy timber framed look that included wrapping structural members with a miratec wrap.

Lead Architect and Project Manager for design-build renovations of an abandoned lodge into physician's assistant instructional space in Marietta, Ohio. The 14,000 SF, three-story design incorporated departmental offices, conference rooms, toilets, large classroom, instruction space with exam tables, clinical instruction exam rooms, computer lab and student break rooms.

Lead Architect for a \$725k fire station annex in Vienna, WV. Project included a 6,300 sq. ft. annex to the existing fire station. The annex contains first floor pull-through truck bay, conference room, equipment storage and rest-room facilities and second floor offices and storage space.

Lead Architect and Project Manager for a new \$1M two-story office building located on a main thoroughfare in Parkersburg, WV. Exterior appearance was extremely important. This design was based upon a magazine cutout by the owner. The exterior of the building features bay windows, columns and a balcony. The interior features seventeen private offices, a library, two conference rooms, a private conference room, reception area with abundant filing and work spaces, and an elegant lobby complete with curving stairway to second floor.

Women's Center on the ground floor of the Medical Office Building. Renovation included 3,100 sq. ft. area offering a comfortable place for women to receive diagnosis consultation and treatment including ultrasound, digital mammography, stereotactic biopsy, and bone density.

First East renovations included three areas of the first floor of the main hospital for their existing medical/surgical nursing unit and for relocating and expanding dialysis services. The medical/surgical nursing unit included 18 private patient rooms with 4 rooms specifically designed for infection control.



Jeffrey D. Hosek, P.E.

Position/Title

*Mechanical Engineer
LEED Project Engineer
Mechanical Engineering Department Manager*

Duties

Mechanical Engineer

Education

*University of Akron
B.S., Mechanical Engineering*

Dr. Seuss

Licenses

Professional Engineer WV, OH, KY, PA

*Sometimes the questions are
complicated and the answers
are simple.*

Lead Mechanical Engineer for Emergency Department Consolidation and Patient Room Expansion project. Project scope includes providing design and engineering for the steam connection to the existing heating plant on the south tower with an underground feed to the new facility, coordinating heating tie-in, provide design and engineering for the heating piping distribution, provide design and engineering for the building's new chiller plant and piping distribution, provide design and engineering for the building's air moving equipment and distribution, provide design and engineering for the installation of miscellaneous equipment for the new floor plan arrangements.

Mechanical Engineer of record for the conversion of a multi-unit HVAC system into a more efficient single unit system at the Caperton Center on the campus of West Virginia University at Parkersburg. Added additional zones to allow for additional user control of set points.

Mechanical Engineer for a new FBI field office in Cleveland, Ohio. Energy efficient equipment and significant sound attenuation materials were used in this four-story building.

Lead Mechanical Engineer and Project Manager for OR Chilled Water project at Cabell-Huntington Hospital. Provided design options for reducing the levels of acceptable ranges, and implemented installing another chiller in series and replacing fan and coil components of the existing operating room air handling units.

Lead Mechanical Engineer for a new 5,400 SF medical office building located in Belpre, Ohio. This office is a satellite office for a previous client who wished to expand services. The new building is home to an Osteoporosis Clinic and DXA scanning suite which are capable of operating independently of each other.

Lead Mechanical Engineer for OB and pediatric department renovations. Project included re-routing existing portions of the supply, return and exhaust ductwork and modify/install new as necessary for the renovated spaces. Project also included relocated air devices and thermostats.

Lead Mechanical Engineer for Fifth Floor Medical/Surgical Nursing Unit Renovations. Project included removing two P-TAC units from each of the patient rooms on the north wing of the project area and replace with a 4-pipe heating-cooling unit in the ceiling space and new chilled and steam piping routed from the mechanical penthouse. Control for the units was connected to the existing facility automation system.

Lead Mechanical Engineer for a new Healthcare suite on the fourth floor of the main hospital. Project included re-routing existing portions of the supply, return and exhaust ductwork and modify/ install new as necessary for the renovated spaces. Project also included relocated air devices and thermostats.

Lead Mechanical Engineer for the renovation of the first floor for Nursing and Dialysis. Project included design of new system for isolation rooms, re-routing existing portions of the supply, return and exhaust ductwork and modify/install new as necessary for the renovated spaces. Project also included relocated air devices and thermostats.

Lead Mechanical Engineer for the renovation of First East. Project included the renovation of over 11,000 SF of existing space on the first floor of the main hospital. Design included a medical/surgical nursing unit, dialysis and isolation area. The isolation rooms each required separate HEPA filter systems among other precautionary steps.

LEED project manager for converting a downtown Columbus, Ohio fire station into a local family health center. Replaced existing mechanical and electrical systems with updated energy-efficient systems. Existing equipment was recycled to limit construction waste and utilized local and regional materials to comply with LEED requirements.

Prepared plans for new VAV indoor steam and chilled water air handler with humidification for new surgery rooms. Reworked existing piping and ductwork to work with floor plan revisions.



David A. Boggs, P.E.

Position/Title

*Senior Mechanical Engineer, Plumbing Engineer
Vice President of Operations*

Duties

Mechanical and Plumbing Engineer

Education

*Virginia Tech,
B.S., Mechanical Engineering
Marshall University,
M.S., Engineering Management*

Licenses

Professional Engineer WV, OH

*Determine that the thing can
and shall be done, and then we
shall find the way.*

Abraham Lincoln

Lead Plumbing Engineer and Mechanical Engineer for Emergency Department Consolidation and Patient Room Expansion project. Plumbing and mechanical scope included review existing conditions for medical gas ties to existing systems in South Tower, reviewing and evaluating water source requirements for proposed addition with CCMC Engineering Department, reviewing existing drawings and work to determining underground sanitary tie-in location, providing design and engineering for the medical gas distribution systems for the expansion, etc.

Mechanical/Plumbing Engineer of record for new \$7MM medical office facility in Parkersburg, West Virginia. Building was designed for multiple HVAC zones to reflect tenant separation requirements of the building owner. Tenant design was based on Pharmacy, prosthetic laboratory, medical offices and a restaurant. Common restrooms, private bathrooms, and exam room sinks comprised the plumbing system design requirements.

Mechanical Engineer of record for a \$1MM medical/dental office facility in Parkersburg, West Virginia. Design included packaged HVAC systems with multiple zones and facility exhaust systems. Plumbing design included dental vacuum and air systems as well as domestic water distribution systems for building tenants, including tenant restroom requirements to meet code requirements.

Plumbing Engineer of record for a new 5,400 SF medical office building located in Belpre, Ohio. Design included domestic water distribution system for exam room sinks and facility restrooms as well as sanitary and storm water drain, waste vent system design all in within the state plumbing code requirements.

Plumbing Engineer of record for the renovation of first floor patient rooms and dialysis center for a hospital facility in Parkersburg, WV. Project design included 18 private patient room bathrooms four with ante room lavatories and ADA accessibility, all equipped with a shower fixture. Design also included the relocation of the hospital's dialysis unit and plumbing systems, a 4 bed unit. Plumbing design for the 18 patient rooms included a new medical gas distribution system specification for the med-gas outlet headwalls.

Lead Plumbing Engineer for OB and pediatric department renovations. Project included new triage, waiting, private rooms with new enlarged toilet rooms including showers, and rework of existing tub rooms to relocate an existing pediatric tub and add a new shower.

Lead Plumbing Engineer for Fifth Floor Medical/Surgical Nursing Unit Renovations. Project included replacing/relocating fixtures for ADA compliance.

Lead Plumbing Engineer for Third Floor Medical/Surgical Nursing Unit Renovations. Project included replacing/relocating fixtures for ADA compliance in the twenty-seven patient rooms, staff rooms and various shower/tub rooms. Also replaced an existing shower room tub with a shower and designed a new shower room.

Lead Plumbing Engineer for a new Healthcare suite on the fourth floor of the main hospital. The project included 8 private patient toilet rooms, one semi-private room with ADA accessible toilet rooms, two new shower rooms, and one bath room with tub. Project also required the addition of medical gas and relocation of existing sprinkler heads.

Lead Mechanical and Plumbing Engineer for a new 37.5 bed Behavioral Health Unit which was designed to be located in existing space on the third floor of the Main Hospital. Spaces included eighteen semi-private and one private patient room, two group therapy rooms, dining area, laundry room, shower rooms, nurses station, physicians offices, consultation area, activity area, family visitation area, support area and staff locker room.



Eric Smith, P.E.

Position/Title

*Structural Engineering Department Manager
Civil/Structural Engineer*

Duties

Civil/Structural Engineer

Education

*West Virginia University
B.S.C.E., Civil Engineering*

Licenses

Professional Engineer WV, OH

*Perfection is not attainable, but
if we chase perfection we can
catch excellence.*

Vince Lombardi

Civil Engineer on Eureka Hunter Pipeline, L.L.C. Low Water Crossing. Duties included designing substructure (consisting of a concrete capped pile abutment with vertical and battered piles). Coordinated with the superstructure design engineer for bridge reactions and necessary abutment details to incorporate the superstructure bearing. Also, assisted with the construction drawing package.

Civil Engineer on several projects for the City of Marietta including the Gilman Avenue Slip, Rathbone Area Drainage Study and Storm sewer assessment, Lancaster Street improvements, Sixth Street Area Mitigation flood control, and Water Treatment Plant slip repair.

Generated detailed engineering drawings, quantities, and material estimates for bridge replacements for the following counties in Ohio: Meigs County (County Roads 1, 8, 10, 14, 22, 35, 43, 52, and 82), Morgan County (County Roads 16, 53, 62, and 66 and Township Roads 48 and 106), and Washington County (County Road 354, several Township Roads, and Veto Lake)

Reviewed drawing designed for The Point Commercial Park for Lawrence Economic Development Corporation. Responsible for foundation and column design. Modeled the structure using STAAD and performed wind load, connection, and foundation calculations.

Reviewed structural drawings for a new addition of the Holzer Clinic and evaluated adequacy of the structural members and connections.

Collected field data, created a roof model, calculated loads and generated drawings and recommendations for roof repairs at First Congregational Church.

Professional experience also includes providing accurate field notes and sketches, development of drawing layouts, details, and section drawings; providing calculations, and writing investigation and observation reports.

Extensive technical experience with civil, structural, and geospatial software packages including STAAD Pro, Presto, Enecalc, AutoCAD, AutoDesk Land Desktop, AutoDesk Civil 3D, and Topo USA.

Senior Project Manager and Structural Engineer of Record for Catwalk at Ohio University. Project included the reconstruction of a deteriorated portion of the elevated concrete walk in front of Crawford Hall. Involved inspection, design and construction administration.

Senior Project Manager and Structural Engineer of Record for Catwalk at Ohio University. Project included the reconstruction of a deteriorated portion of the elevated concrete walk in front of Brown Hall. Involved inspection, design and construction administration.



Jesse Daubert

Position/Title

*Project Manager
Environmental Scientist*

Duties

Environmental Science

Education

*Marietta College,
B.S., Environmental Science*

Thomas Edison

Certification

*Certified Environmental Scientist – National
Registry of Environmental Professionals
Ohio EPA Credible Data Program: Level 2 – Habitat
Assessment – QHEI
Ohio EPA Credible Data Program: Level 2- Benthic
Macroinvertebrate Assessment- Sample
Collection, Identification and Data Evaluation
Wetland Professional in Training*

*Genius is 1% inspiration
and 99% perspiration.*

Project Manager and Client Relations Manager for capital and non-capital projects at Kuraray America, Inc., a global leader in specialty chemical, fiber, resin, and film production.

Project Manager and Environmental Lead for a Phase II Environmental Site Assessment of a new commercial facility in Lore City, Ohio. Managed drilling crew, soil sampling, laboratory analysis, etc.

Design Construction Liaison for a \$28 million industrial design build project adding a new product line at Kuraray America, Inc.

Project Manager and Environmental Lead for cleanup of contaminated soils from a site previously utilized as a scrap metal recycling facility. Directed excavation of soils, soil sampling, laboratory analysis and disposal of the contaminated soils.

Erosion and Sediment Control Site Reviews. Conducted on site field reviews of post construction erosion and sediment control BMP's at four (4) separate horizontal well pads. For each site I reviewed and documented the following along both the well pads and the access roads to the pads:

- approximate amount of permanent vegetation growth on site
- any erosion rills or land slips that had formed on the cut/fill slopes
- effectiveness and functionality of diversion ditches, sediment traps, and riprap channels
- effectiveness and functionality of all other erosion and sediment control structures such as silt fence and erosion control matting

Stream and Wetland Delineations. Conducted field reconnaissance of three (3) project sites to determine where streams and wetlands existed so that those sites could be avoided, if possible, by the Civil Department during the design phase of those projects. This was completed by documenting the delineated streams and wetlands in the field with the use of a Topcon GRS1 GPS receiver. Official reports detailing all of the streams and wetlands that were delineated on each site were then generated and provided to the clients.

Permitting, USACE Nationwide Permits and State 401 Water Quality Certification.

- Put together three (3) separate United States Army Corps of Engineers (USACE) Nationwide Permit applications (which also include the State 401 Certification) for customers wanting to develop a site that would impact either streams and/or wetlands. These permit applications were based on the Stream and Wetland field delineations discussed earlier.
- Conducted a Historical Significance Review for one of our project sites that is awaiting approval of their permit. This was done to provide more detail for the project and to show that the proposed project would not have an impact on any structures or areas of historical significance.
- Have reviewed the details of an approved Individual State of Ohio 401 Water Quality Certification for one of our customers and have planned a strategy for fulfilling the monitoring requirements of this certification after construction of the project is complete.

ArcGIS Cartography. Utilize ESRI's ArcGIS software for numerous purposes including:

- producing various site maps for all reports necessary
- using land use data, Digital Elevation Models, topography and data from the National Wetlands Inventory to provide an early review for customers wanting to develop projects within areas that may have potential environmental concerns
- working with the Civil Engineers to conduct floodplain modeling

Friends of Lower Muskingum River. Southern Watershed Action Plan

- Through a grant from the Ohio Department of Natural Resources, developed a Watershed Action Plan that was fully endorsed by the State of Ohio



Ronald D. Arnold

Position/Title

*Senior Construction Administrator,
Estimator*

Duties

*Project Administration
Construction Estimating*

*Real success is finding your
lifework in the work that
you love.*

David McCullough

Project Manager for the design and construction of a new annex for Fire Department in Vienna WV. This project included initial client meetings to establish project scope, design team coordination, multiple client reviews, bidding, and negotiation. As with any public project, there were a multitude of statutes to be adhered to.

Construction Administrator and Project Manager for a renovation project at the Marietta City Hall Building in Marietta, OH. This project included initial client meetings to establish project scope, design team coordination, multiple client reviews, interviews with all City departments, bidding, and negotiation. As with any public project, there were a multitude of statutes to be adhered to.

Project Manager for the design and construction of a new annex for Vienna Police Department. This project included initial client meetings to establish project scope, design team coordination, multiple client reviews, bidding, and negotiation. As with any public project, there were a multitude of statutes to be adhered to.

Construction Administrator and Project Manager for a new branch library in South Parkersburg. This project included initial client meetings to establish project scope, design team coordination, multiple client reviews, interviews with all key staff, reports to all stakeholders, construction progress photography, coordination with Bostwick Design Team and the Wood County Library, and contract administration.

Construction Administrator and Project Manager for the replacement of Washington County Public Library roof. Replaced clay tile roof and tin lining. Total project cost - \$260,000. Responsibilities included specification of new roof material, bid document coordination and contractor oversight.

Project Manager for the renovation of a two story 100 year old library in Marietta, Ohio. Responsibilities included building the project estimate, coordinating and managing the project scope, budget and schedule between field operations, architect and the owner. Challenging aspects on this project included adding a dormer and third floor into the attic space, adding a mezzanine above one third of the main floor level.

Project Manager for the 2nd floor renovations and an elevator addition to the City of Vienna Senior Center in Vienna, WV. This project included initial client meetings to establish project scope, design team coordination, multiple client reviews, bidding, and negotiation. As with any public project, there were a multitude of statutes to be adhered to.

Project Manager for the historical renovation of a four story 100 year old building on a college campus in Marietta, OH. Responsibilities included building the project estimate, coordinating and managing the project scope, budget and schedule between field operations, architect and the owner. Challenging aspects on this project included value engineering to meet the client's budget, meeting the client's 7 month construction schedule, installing an elevator in the center of the building, replacing the original wood windows with new mill-built insulated glass windows utilizing the old sash weight and chain counterbalance system, reinforcing the original wood floor and roof framing, replacing all the paneled wood doors and multi member wood trim with new to match existing the profiles, all new interior finishes, complete new plumbing, HVAC, sprinkler and electrical systems.

Construction Administrator for the roof replacement at Camden Clark Medical Center. Scope included scheduling and leading pre-construction meetings with contractor and client, bi-weekly progress meetings during construction, provide weekly site visits, submittal review, RFIs, request for payments, change orders, and certificate of substantial completion. Arnold performed a thorough inspection of the jobsites and confirmed that the entire scope of the project was complete.



William B. Showalter, P.S.

Position/Title

*Professional Surveyor,
Surveying Department Manager*

Duties

Surveyor

Education

B.S., Civil Engineering

Licenses

Konrad Adenaur

Professional Surveyor [REDACTED]

*WV Society of Professional Surveyors, National
Society of Professional Surveyors*

*We all live under the same sky,
but we don't all have the same
horizon.*

Lead Surveyor on Vienna Johns Manville Acquisition. Provided boundary surveying for transfer of property, topographic surveying and utility mapping for engineering design and construction layout or control placement for construction purposes.

Lead Surveyor on First Colony Center commercial development, Marietta, OH. Boundary, and topographic survey of pre-construction (existing) facilities. Construction layout of development. 15+ Acres, Cost >\$80,000, Managed office and field work.

Lead Surveyor on Jackson and 9th Street Tank Replacement. Provided boundary surveying for transfer of property, topographic surveying and utility mapping for engineering design and construction layout or control placement for construction purposes.

Lead Surveyor on City of Vienna Water Tanks Renovation Project, Vienna, WV. Boundary, and topographic survey of pre-construction (existing) facilities. Preparation of construction easements. 12+ Acres, Cost >\$10,000, Managed office and field work.

Lead Surveyor for City of Marietta Green Street Widening Project. Survey of existing buried / aerial lines. Topographic survey of proposed widening area. 4000+ LF, Cost < \$7000, Performed Field work, prepared deliverables and managed office.

Lead Surveyor on 40th Street Storm Sewer Lift Station in Vienna, WV. Provided boundary surveying for transfer of property, topographic surveying and utility mapping for engineering design and construction layout or control placement for construction purposes.

Lead Surveyor on 60th Street Public Works Facility in Vienna, WV. Provided boundary surveying for transfer of property, topographic surveying and utility mapping for engineering design and construction layout or control placement for construction purposes.

Lead Surveyor on the Muskingum River Force Main in Marietta, OH. Provided boundary surveying for transfer of property, topographic surveying and utility mapping for engineering design and construction layout or control placement for construction purposes.

Lead Surveyor on the Green Street Waterline Replacement in Marietta, OH. Provided boundary surveying for transfer of property, topographic surveying and utility mapping for engineering design and construction layout or control placement for construction purposes.

Lead Surveyor on the Sherry Drive Waterline Replacement in Marietta, OH. Provided boundary surveying for transfer of property, topographic surveying and utility mapping for engineering design and construction layout or control placement for construction purposes.

Lead Surveyor on the Bike Path Alignments in Marietta, OH. Provided boundary and topographic surveying, utility mapping, and managed office and field work.

Lead Surveyor for Emergency Management Mapping in St. Marys, WV. Provided boundary surveying and topographic surveying, utility mapping, and managed office and field work.

Lead Surveyor on Muskingum Drive Realignment in Marietta, OH. Provided boundary surveying for transfer of property, topographic surveying and utility mapping for engineering design and construction layout or control placement for construction purposes.



Keri L. Dunn

Position/Title

*Specification Writer
AIA Contract Administrator*

Duties

*Specification Writer; Bid Administration
and Contract Administration*

Education

*Washington State Community College
A.S., Industrial Technology*

*If you want to be creative in your
company, your career, your life, all it
takes is one easy step ... the extra one.*

Dale Dauten

Bidding Coordinator and Construction Contract Administrator. Bid duties include preparation of front end specifications required for procurement, addressing bidding questions, preparing addenda, receiving and tabulation of bids, and issuing letter of intent. Contract Administration duties include preparing and executing contract documents, change proposal requests, change orders, change directives, receiving bonds and insurance from contractors, processing pay applications and closeout documentation. Familiar with WV School Building Authority Requirements and various grant requirements including the American Recovery and Reinvestment Act. Projects have included:

Recent projects include:

- Roof Replacement at Parkersburg High School Field House.
- Roof Replacement at Camden Clark Medical Center.
- Roof Replacement for the Washington County Public Library.
- Facade Renovations at West Virginia University at Parkersburg's Downtown Center.
- New Elevator Installation at West Virginia University at Parkersburg's Downtown Center.
- Electrical Service and Distribution at West Virginia University at Parkersburg's Downtown Center.
- Roof Replacement at West Virginia University at Parkersburg's Downtown Center.
- Asbestos Abatement at West Virginia University at Parkersburg's Downtown Center.
- Chiller Replacement at West Virginia University at Parkersburg's main campus.
- Salt and Motorcycle Storage Building at West Virginia University at Parkersburg's main campus.
- HVAC Upgrade project at West Virginia University at Parkersburg's Caperton Center.
- Fire Alarm Upgrades at West Virginia University at Parkersburg's main campus.
- Elevator Control Modernization at West Virginia University at Parkersburg's main campus.
- New Spec Process Building in Davisville, WV - multiple prime contracts.
- New Industrial Plant in Millwood, WV - multiple prime contracts.
- Energy Saving Implementation for Wood County Commission - multiple prime contracts.
- Access Safety at all Wood County School locations.
- Structural Repairs at Wood County Board of Education.
- Brick Repairs at an elementary school for Wood Co. Schools
- Boiler Replacement at an Elementary School in Wood County, WV.
- Welding Shop Ventilation replacement at the Wood County Technical Center.
- Access Safety renovations at all Wirt County School locations.
- Access Safety renovations at several addition entrances for Wood County Schools.
- Access Safety and Main Entrance Renovations for Wood County Schools - four phases of implementation.
- Electrical Upgrades at two elementary schools for Wood County Schools.
- HVAC Renovations at the Wood County Courthouse for the Wood County Commission.
- Fifth Floor Renovations at Camden Clark Medical Center - Memorial Campus.
- Third Floor Renovations at Camden Clark Medical Center - Memorial Campus.
- Roof Replacement at the Polymer Alliance Zone in Davisville, WV.



Our Services

Comprehensive Design

At Pickering Associates, we understand the importance of keeping the Client informed and engaged throughout the entire design and construction process. It is crucial to the project to get the Client involved early in the process along with other key stakeholders, in order to understand the needs of the facility. Our plan would be to engage the key stakeholders in regular design meetings to ensure expectations and schedules constraints are met.

Our design process will begin with **schematic design**. We feel that time spent with your staff to better understand the project, will allow us to be more efficient in completing the schematic design phase for this project and progress us to the next phase quicker than our competitors, therefore allowing us to meet your anticipated design schedule.

We always involve the authorities-having-jurisdiction during the schematic design to make certain that we address any and all concerns that they may have, thus reducing costly changes during design and/or construction. We have a close working relationship with agencies such as the West Virginia State Fire Marshal's Office and are familiar with the local and state requirements that need addressed for a wide range of projects. At the end of the schematic design phase Pickering will present rough sketches to the owner for approval. These sketches will provide the owner with the opportunity to verify that we have correctly interpreted your desired functional relationships between various activities and spaces. The sketches will also provide the client with a general indication of the exterior design and overall look of the addition. Once schematic design is complete, we will move into the design development phase for the project.

The **design development phase is a transitional phase where the design team** moves into developing the contract documents. In this phase, the architects and engineers prepare drawings and other presentation documents to crystallize the design concept and describe it in terms of architectural, electrical, mechanical, and structural systems. In addition, we will also prepare an estimate of probable construction costs so you will have a better indication of anticipated project costs. By preparing this estimate early in the design process, it will allow us to identify potential cost savings that may be required to keep the project within your anticipated budget. At the end of the design development phase, the architect will provide the client with drafted to-scale drawings that will illustrate the project as it would look when it's constructed. These drawings will specifically define the site plan, floor plans and exterior elevations. It is important that the client provide input to the architect at this time as the design development drawings are used as the basis for the construction drawings and used to further develop and refine the estimate of probable construction costs for the project.

Once the Owner has approved the design development phase, the Architect prepares detailed working drawings, thus progressing into the **construction document** phase of the project. During this time, final drawings and specifications are produced for the project. These documents will be used for bidding the project to contractors. These drawings and specifications become part of the construction contract. The construction documents will include all necessary information to ensure that the project will be constructed as conceived by the Owner and design team. Renderings and/ or a physical 3D model can also be prepared (if desired by the client) to accurately portray the final design and to use as a marketing tool.

Pickering Associates can handle **the bidding & negotiation** phase of the project with our experienced in-house construction administration team. We have systems in place, and are equipped to electronically distribute the bidding documents to contractors and equipment suppliers interested in bidding the project, as well as produce hard copies as required. We will assist in contacting contractors to get interest in bidding the project, answer requests for information during the bidding process, assemble addendums, schedule, coordinate and lead a pre-bid meeting, and assist the owner with bid opening and contractor evaluation.

During **construction administration** Pickering Associates can be an agent of the owner, overseeing construction to ensure conformity to construction drawings, specifications, and standards. Pickering will assist the owner in awarding the contract, lead and coordinate weekly construction meetings, produce meeting agendas and meeting minutes, answer RFI's from contractors, review submittals, process change orders and pay applications, perform regular site visits, complete a punch list at the end of the project, and keep the owner informed throughout the entire process. This closely monitored process helps to ensure that the final project represents the intended design as indicated in the construction documents.

Consensus Building

Consensus building is essentially mediation of a conflict which involves many parties and is usually carried out by a facilitator that moves through a series of steps.

In the beginning, our facilitator or project manager identifies all of the parties who should be involved, and recruits them into the process. We propose a process and an agenda for the meeting, but allow the participants to negotiate the details of the process and agenda - giving the participants a sense of control of the process. This process builds trust between the participants and the facilitator, between the participants themselves, and with the overall process.

Defining and often re-defining the conflict is usually the next step. The project manager will get the participants to define the issues in terms of interests, which are usually negotiable, rather than positions, values, or needs, which usually are not. The project manager will then get the participants to brainstorm alternative approaches to the problem. This is typically done as a group effort, in order to develop new, mutually advantageous approaches.

After the participants generate a list of alternate solutions, these alternatives are carefully examined to determine the costs and benefits of each (from each party's point of view), and any barriers to implementation are documented. Eventually, the choice is narrowed down to one approach which is modified, until all the parties at the table agree to the solution. The project manager then takes the agreement back to the owner for discussion and approval.

Cost Control

Through the development of the project scope, number of units to be designed and site evaluations, we take into consideration the budget available or targeted to assure funds are accounted for early in project development. Once a preliminary site and building footprint is defined, we take the time to develop an estimate of probable project costs and alert our clients of any differences between project budget and the anticipated project costs.

Quality of Work

While a project budget may limit the use of traditionally expensive materials, Pickering still sees the importance of using proven materials which will provide a quality project while being cost effective. Importance is always placed on areas where small amounts of upcharge can create the largest impact to the future tenants and provide an inviting environment. As professionals, we are also tasked with finding cost effective solutions which still provide the building owners with years of excellent service. While every individual project we have designed is unique, there are common design elements and materials which have proven over the years to be best suited for similar projects.

Performance Schedule

With the selection of Pickering Associates, your organization gains the full depth of our organization. All projects are scheduled out through all phases of delivery by our resource manager and the project manager, assigning the necessary resources to perform to the schedule necessary for that project and highlight major milestones long before they could become an issue. With more than 70 professionals on staff, you can be confident that Pickering Associates has the resources to meet your project schedule.

Sustainable Design

Pickering Associates is a LEED affiliated firm. We have architects and engineers that are current with LEED registration and the firm has completed multiple projects ranging from the certified level to platinum. We use software and best engineering practices to provide the and user the most energy efficient building systems. When you combine this with providing architectural design that works with these systems for insulation and avoidance of solar heating, you end up with an energy efficient building.

Multi-discipline Team

We also believe that because we are a full-service firm, (having the majority of the designers, architects, engineers, landscape designers, surveyors, project managers, and construction administration professionals on staff and under one roof), we are able to provide a better coordinated project than firms who are required to use many outside consultants. We organize regular in-house project team coordination meetings throughout the design phases of a project to discuss and work-out any issues or concerns that may arise. We feel that this face-to-face coordination with our design team is more effective and efficient than coordinating via email or over the phone. Our close coordination efforts have proved valuable in many cases where the design schedule is accelerated and/or where there is equipment in the project that requires the effort and coordination of several disciplines. Typically, there are more change orders in firms that are not full service due to the difficulty and time required for drawing coordination.

Cost Estimation

In order to provide estimates for probable construction costs with accuracy, Pickering subscribes to and utilizes RS Means CostWorks On-Line. This tool provides comprehensive, localized, and up-to-date construction costs to help us create reliable estimates for our projects.

We know the importance of not only understanding our client's budget, but ensuring that the project is designed to fit into (and stay within) that budget. When an exterior addition is involved, we do our best to give our client a project that will not only look nice, but provide a design that will fit into the context of the existing facility by making it look like it belongs. We do not feel that it is appropriate to over-design a project to make a statement – thus increasing construction costs and making it difficult to stay within the client's project budget. We believe that it is more important to design features into the project that will allow for a better functioning project.

We utilize cost control methods to make sure that the overall project budget does not increase without the client's knowledge or prior approval. We typically provide an updated estimate of probable construction costs for each phase of design, thus monitoring and providing control for the project budget. If scope items are added to the project during the design phase we make certain that the client understands the implications and costs associated with each change or addition - prior to officially adding it to the project.

Building Information Modeling

Pickering Associates approaches Building Information Modeling as a very useful tool that can accomplish goals that extend beyond the typical design and construction phases of the project. Defining the specific project expectations is critical for the owner and designers. We work with the owner and start with their anticipated use of the BIM model once construction is complete. From there, we work through the design schedule incorporating all aspects of BIM that will enhance the owners understanding of the project. We will assign model management responsibilities, quality assurance responsibilities, and level of development criteria – all linked to specific schedule milestones. We incorporate clash detection, collaboration tools, visualization capabilities, and analytical studies throughout to benefit the project development process. We utilize these aspects of BIM and elevate them with in-house 3D printing services to provide exceptional professional services. Many of our architectural and engineering leads, designers, and drafters are trained, proficient, and up to date on BIM software. We even have an in-house BIM coordinator that routinely provides training and updates to our staff to ensure that everyone has the proper training to perform the work we do.

Cutting Edge Technology

Pickering Associates approaches Building Information Modeling (BIM) as a tool for quick design concept generation that will continually add detail throughout the project and even beyond the construction phase. The ability to visualize a design early on via the 3D model allows high level decisions to be clearly identified and addressed during the beginning phases of the project – typically where potential impacts to project cost/schedule is greatest. Defining specific expectations is critical for key stakeholders and BIM allows our design teams to address those expectations much earlier in a project than a traditional 2D workflow.

Efficient visual communication and an in-depth design understanding are the greatest assets that BIM brings to the table at Pickering Associates. The composite model allows our team to accelerate project development and simplify conversations during design reviews. Having the capability to visualize all of the design models together in a single review session aides both inter- and intra-department collaboration like never before. Capturing all client and designer comments and feedback within a 3D model live during a review session saves countless hours of paging through “redlines” generated from traditional 2D physical paper reviews. The added capacity to search and export reports of these virtual comments allows our team to capture and track design communications more efficiently than ever before.

3D Scanner

Pickering Associates has invested in state-of-the-art 3D Scanning technologies to more quickly and accurately document existing site conditions. This helps our design teams capture existing site data in more detail and in a format that blends well with our 3D modeling and BIM workflows. This tool allows us to send a small scanning team into an existing building/space and virtually document the conditions of the area in three dimensions, including detailed color photographs throughout the scanned area for design teams to reference throughout the project. This data capture implementation is safer and more efficient for our designers. It reduces the time and equipment needed for traditional hand-measuring that our industry has been accustomed to throughout the years. Granting our designers the ability to virtually measure items directly on a 360 degree image to an accuracy within 1/8” right from their desk, where they have the greatest access to design tools is unprecedented in our region!

Aerial Mapping

Pickering Associates has recently obtained certification through the FAA's Part 107 Remote Pilot process to operate Unmanned Aircraft Systems (UAS) commercially. As cutting edge technology continues to evolve, Pickering Associates is able to fulfill client needs further by providing high-quality aerial imagery and three-dimensional aerial mapping.

Currently, Pickering Associates is capable of employing the use of two UAS: the Yuneec Typhoon 4K and/or the DJI Mavic Pro to fulfill client needs of high quality imagery and 4K video. In addition to imagery and video, the DJI Mavic Pro allows for the capturing of 3D point cloud data to be incorporated into CAD design files. In addition, the data obtained by the DJI Mavic Pro has the capability of being integrated with the Faro 3D scanning system, and ultimately be intertwined with our firm's ability to 3D print models. The functions of these images and videos can range from Pre-construction documentation of large scale projects to construction progress documentation to As-Built documentation. They can also be used as marketing and inspection tools.





Related Prior Experience

Type

Private

Services

Civil

Surveying

Landscape Design

Project Management

Construction
Administration



Miller Valentine purchased five acres of undeveloped property near Rayon Drive in Parkersburg, WV, commonly known as Edison Hill, to construct a new housing development on the site to include seven houses, four town house buildings, a club house and a playground. The project includes approximately 2,000 ft. of new city roadway and main line utilities.

Pickering Associates was hired to provide civil engineering, surveying, and environmental permitting services. The project required 8 different permits to be obtained prior to beginning construction. The team successfully obtained all eight permits and completed design prior to the client issuing drawings for bidding.

A new roadway, as well as new main line utilities from Rt. 95 were constructed at approximately 1,000 LF.

The design phase was completed on 10/3/16 and the construction phase was completed on 12/1/17.

Point of contact for this project:

Paul Metzger, Miller Valentine Affordable Housing, LLC | 513.588.1204 | paul.metzger@mvg.com

Type

Education

Services

Civil

Project Management

Construction Administration



Building 33 at The Ridges at Ohio University has a water softener that was discharging into a storm line that empties into the nearby creek on Dairy Run. Building 34 has a boiler blow down and floor drains that also drain into the storm line. As a temporary measure, Ohio University capped the storm piping outside Building 34 and installed a submersible pump in a manhole and redirected water to the sanitary drain system. Ohio University hired Pickering Associates to evaluate and identify all sanitary drains currently being discharged into the storm drain and propose permanent solutions including probable cost of construction.

The discharge had a very basic pH and temperature upwards of 160 degrees F. Pickering Associates investigated the source of the discharge and provided a feasibility study which included resolution options. The project involved a review of historical drawings of the facility, a review of applicable local, state, and federal regulations, GIS mapping, dye testing of the drainage system, and a site investigation.

The project team consisted of Mark Welch, PE as the lead civil engineer, project manager, and construction administrator; Spencer Kimble, PE and John Bentz as civil engineers, and Jesse Daubert as Environmental Scientist.

Type

Industrial

Services

Electrical

Civil

Construction
Administration

Project Management



Pickering Associates was hired to design a perimeter fencing for a Armstrong Flooring Industrial Facility in Elkins, WV. This project included installation of a chain link security fence surrounding the entire facility. The security fencing had three control access gate and multiple man gates that also were control accessed. This design also included a industrial access road to allow access to various points throughout the facility

Additionally the facility needed a complete mechanical, electrical and plumbing design for each building is included in the design. The scope includes provisions for cooling water piping systems, polyethylene glycol piping, and instrument air. Electrical scope not only includes power, lighting, communication systems and life safety but also plant-wide security, lightning protection and arc flash analysis.

Type

Private

Services

Civil

Project Management

Construction
Administration



Pickering Associates created construction drawings to create a new commercial development on approximately 26 acres along S.R. 7 in Marietta, Ohio.

This new commercial development was built in two phases. During Phase 1, Pickering Associates' engineers created construction drawings for approximately 1,700 feet of new roadways and utility mainlines including water, sewer, storm, natural gas, electric, and communications. Our engineers also met with city government officials and officials from the OEPA to obtain multiple permits for this project.

Phase 2 design consisted of an additional 1,500 feet of new roadways and utility mainlines including water, sewer, storm, natural gas, electric, and communications. Also included in Phase 2 is the construction of a new 600 foot long box culvert to reroute the existing stream.

The project team consisted of Mark Welch, PE as the lead civil engineer and project manager and Spencer Kimble, PE and John Bentz as civil engineers and construction administration. At the time of the construction the surveying firm used was BHG Surveying. Pickering Associates has since purchased the surveying company and now operate as one entity under the Pickering Associates name.

The project budget for phase one totaled \$1.1 million and phase two was \$1.4 million.

Type

Higher Education

Services

Electrical Engineering,

Civil Engineering

Surveying

Construction Administration

Project Management



Pickering Associates was contacted by Washington State Community College to help renovate their existing parking lot and to help with a front entrance design to make space for ADA compliant parking. Originally the lot was laid out to have a pull up area for vehicles, so ADA personal could park however than had to travel across the road. The new layout not only was safer for people to travel directly into the building, but also allowed for more parking to be established in the parking lot. The project scope included developing a new site layout including, fixing drainage and pavement issues throughout the lot, setting up additional parking and a new entrance from the road to the parking lot. Pickering also developed a new stripping pattern for the facility, and removed the curbs that were in place, this also allowed for more parking to be developed to meet the school's needs.

Type

Private

Services

Civil

Environmental

Project Management

Construction Administration



The Heron's Nest Marina is a constructed marina and condominium development located in Williamstown, West Virginia along the Ohio River. For this project Pickering Associates utilized our full range of abilities to provide surveying, civil, structural, and environmental services. Pickering's civil engineers provided detailed construction designs for this project that included site grading, sediment/erosion controls, utility ties, and master planning with our in-house landscape architects.

Through this development four large sediment retention ponds were designed for the purposes of meeting stormwater standards for West Virginia. These ponds are designed to retain stormwater and induce groundwater infiltration rather than discharging to nearby waterways. Each pond has an overflow to a discharge pipe which would only be engaged during larger rain events.

Per the stormwater permit for these retention ponds, the discharge on a quarterly basis from these ponds were not to exceed a set criteria for the analyte of Total Recoverable Iron In grab samples. To help insure permit compliance, Pickering's Environmental team utilizes Thermo Scientific Nalgene Stormwater Sampler kits to obtain quarterly samples from each pond. These samples are collected by Pickering staff, processed through a third party laboratory, and are reported to WVDEP on behalf of the project's owner.

This data has shown to be invaluable to the projects owner as it helped identify early construction errors. Upon analyzing samples exceeding the target standard, Pickering's Environmental and Civil staff collaborated to provide the project's owner with solutions to resolve the problem causing the samples to exceed. This data collection effort is on-going and will be managed by our team until the permit requirements have been accomplished.

Type

Industrial

Services

Architectural

Electrical

Civil

Mechanical

Plumbing

Structural

Construction

Administration

Project Management



Armstrong World Industries (AWI) had a desire to develop a brownfield facility for the manufacture of mineral wool. Pickering Associates was hired to help AWI evaluate potential sites throughout the area and research potential processing systems.

Pickering Associates was hired to design a perimeter fencing for a Wool Industrial Facility in Millwood, WV. This project included installation of a chain link security fence surrounding the entire facility. The security fencing had three control access gate and multiple man gates that also were control accessed. This design also included a industrial access roadway installation to gain entrance and access to various points throughout the facility

Additionally the facility needed a complete mechanical, electrical and plumbing design for each building is included in the design. The scope includes provisions for cooling water piping systems, polyethylene glycol piping, and instrument air. Electrical scope not only includes power, lighting, communication systems and life safety but also plant-wide security, lightning protection and arc flash analysis.

As a separate contract, Pickering Associates designed the primary service and distribution for the new facility.

Type
Government

Services

Civil
Structural



The Morgan County Engineering Department contacted our engineers about a total bridge replacement of Bridge Number 443 over Mans Fork and the realignment of County Road 20. The existing bridge had experienced a reasonable amount of damage over the course of many years and was no longer able to support legal loads. This project included the replacement of the substructure and superstructure. The proposed superstructure is composed of adjacent prestressed concrete box beams and the substructure consists of a concrete capped pile abutment.

Our engineers conducted a roadway realignment study and prepared construction plans for the new alignment and grading in accordance with the provisions of the American Association of State Highway and Transportation Officials, "LRFD Bridge Design Specifications" using the HL-93 live load, and the guidelines for "Geometric Design of Very Low-Volume Local Roads." Our team also executed a hydraulic study to determine if any flood issues resulted from the final span length of the bridge and a load rating on the superstructure.

The engineers were charged with preparing the construction drawings (in AutoCad format and published in both 11" x 17" and 22" x 34" formats) which included all estimated quantities tables. The construction cost estimates were included with the drawings packages.

All plans for the bridge were prepared to conform to the requirements for ODOT administered LBR bridge plans. The final plans were then submitted to ODOT, District 10 Office for Phase 1, 2 and 3 Review and comment. Additionally, ODOT received and reviewed our engineers' Right of Way plans and Legal Descriptions that were certified and approved by the County Engineer.

Type

Higher Education

Services

Electrical

Mechanical

Civil

Construction Administration



Ohio University contracted with Pickering Associates to provide **Engineering and Construction Administration** for the relocation of existing electrical power distribution cables which feed the Convocation Center, Stocker Center, Wren Stadium Complex and Grosvenor, Parks, and Wilson Halls. This project demonstrates Pickering Associates' experience with electrical upgrades.

The existing electrical distribution cables were removed from the utility bridge on the West Green Campus outside of Stocker Center after suffering years of weather damage and becoming inefficient and unreliable. The new electrical distribution cables are fed from a new high-voltage switch line-up which was installed in Stocker Center as part of the project. The cables were then routed through a new underground electrical duct bank and reconnected to their respective building feeds.

New lighting was installed at the switch line-up for proper illumination of the equipment. A chilled water return line was also relocated within the equipment room to meet working space requirements.

Project cost totaled \$120,000. Our engineers provided the electrical engineering, mechanical engineering, civil engineering and construction administration for this project with the project team of Zac Campbell, PMP, Jeff Hosek, PE, Mark Welch, PE.

Type

Private

Services

Architectural

Civil

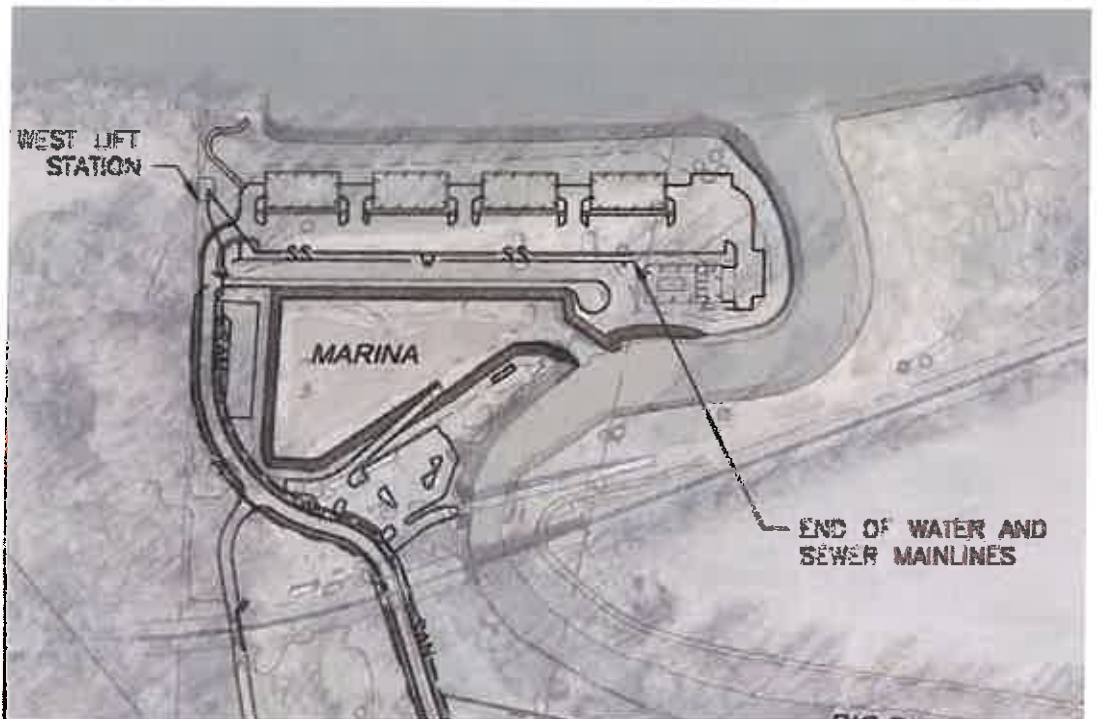
Mechanical

Electrical

Construction

Administration

Project Management



Mondo Building and Construction requested that Pickering Associates provide them with detailed Electrical Engineering and Design services for the Marina Sales Office and Boat Slip Area in Boaz, WV. This project was a part of the continuing development of the site which included four condo buildings, restaurants and retail, and the new boating marina including a concrete ramp and docks.

Pickering assisted in coordinating with the local utility company (MonPower) lighting and power design for the Marina Sales Office, and electrical distribution to eighty boat slips, two 40HP irrigation pumps, and fifteen golf cart charging station units. Additionally the team completed all site design, utility design, grading layouts and design, stormwater management design, and concrete and paving design.

Pickering's team also coordinated and obtained all of the necessary code requirements needed, since the project was located along the Ohio River, the team worked with the EPA and the Army Corp. of Engineers for permitting.

The project was completed on 07/14/17.

Type

Healthcare

Services

Civil

Electrical

Landscaping

Construction
Administration

Project
Management



Camden Clark Medical Center hired Pickering Associates to reconstruct a portion of the hospital's North Tower Parking Lot. This project included transforming a former United Bank lot into a new parking section, as well as improving the overall flow of traffic throughout the hospital property and restructuring the parking layout. The team also coordinated with the West Virginia DOH to set up traffic flow patterns going in and out of the parking space.

The design required site layout, grading and drainage layout, site utilities, and traffic control plans in coordination with local municipals. Pickering's electrical team was able to draw up and design for the site to have lighting. The team also handled all the coordination with contractors and DOH personnel when challenges arose.

The project total cost was \$30,469,76, and it was completed on 5/23/17.

Contact for this project: Tom Williams | 304-462-0138 | twilliams@shellyandsands.com

Type

Private

Services

Civil

Survey

Project Management

Construction
Administration



Pickering Associates was hired by the client to provide civil engineering and surveying services for an 80-acre development project along Route 31 in Wood County. The project is to develop the property into a residential subdivision in phases. Phase 1 of the development included 15 residential lots. The utility infrastructure for Phase 1 included 1,555 ft. of waterline and 1,748 ft. of sewer line including fire hydrants, valves, manholes, etc.

Surveying services included a topographic and boundary survey of the entire property, construction staking and layout for roadway construction, utility infrastructure and grading, preparation of the subdivision plat and accompanying documentation. The entire survey team was involved in this project.

Civil engineering services included design and preparation of construction drawings for utility infrastructure, preparation and submittal of Permit-to-Install documents for approval through WVDEP and WVDHHR, assistance with the submission of alternative mainline agreement to the WV Public Service Commission and Union-Williams PSD, design of residential lots, roadway, and a cul-de-sac layout and grading according to Wood County Subdivision regulations, and coordination with WVDOH for approval of roadway bore utility permit for sewer line placed under Route 31.

The project team consisted of Mark Welch, PE as the lead civil engineer, project manager, and construction administrator; Spencer Kimble, PE and John Bentz as civil engineers, and Bill Showalter as lead surveyor.

Type
Higher Education

Services
Civil

Construction Administration



Due to the addition of new buildings, parking lots, etc. over the years the existing storm sewer drainage system at the East Green area of Ohio University had become insufficient. A project in 2007 began the process of upgrading the existing system. In 2009, Ohio University contracted Pickering Associates to design the final piece of the storm sewer system upgrade.

The project goals were to connect two different portions of the original storm sewer system into the newer system constructed in 2007. The main portion of the project consisted of approximately 500 feet of 30" and 24" pipe installed in the East Green Drive roadway. The second portion of the project consisted of approximately 400 feet of 24" and 18" pipe installed in a yard area around multiple residence halls. The abundance of existing steam, chilled water, electric, and water lines in the proposed storm sewer alignment made finding the appropriate route and elevation to miss these utilities challenging. An additional challenge to the project was providing a design to meet the \$200,000 budget of the college.

The college indicated prior to design the desire to use reinforced concrete pipe throughout the project along with providing new paving along the entire East Green Drive. Therefore, Pickering Associates provided alternate designs for both reinforced concrete pipe and high density polyethylene pipe along with different road paving options to allow the college to select which options best fit their budget and needs.

Through a creative and cost efficient design, the project was constructed with reinforced concrete pipe and new paving for under \$190,000. Construction administration services were also provided for this project.

These services included directing pre-bid and construction meetings, approving payment requests, providing inspection services at the job site throughout construction, and providing final record drawings of the project.

Type

Education

Services

Civil



Pickering Associates worked closely with RVC Architects of Athens, Ohio on the development of a new satellite campus for Ohio University.

This project began with approximately 19 acres of undeveloped land which was donated to the University. Site development would require extensive ground clearing and grading. The grading was essential to be able to provide adequate site and stormwater drainage while maintaining erosion control management. Since this was newly developed land, it was also necessary to bring all new site utilities.

The civil design included roadways, parking lots, curbing, handicapped ramps and sidewalks.

This newly developed campus has become a project of which the community of Proctorville can be proud.

Mark Welch, PE and David Boggs, PE served as the engineers on this project.



Letter of Reference

Since 1999, Pickering Associates has been Marietta College's local "go to" electrical design and full service architect-engineering firm for both new construction and renovation. Following are the more significant projects that they have completed for me:


- Master Plan and design for the upgrade and extension of underground high voltage distribution system. This work was completed in four phases to support five major construction projects. Pickering Associates coordinated design effort, design schedule, and phased completion of work with five different lead architect firms. Their effective communications with the firms outside this region and with local permit and building authorities resulted in no change orders or schedule delays attributable to their effort.
- Life Safety Upgrades to Dorothy Webster Residence Hall. Retrofitted emergency lighting, general lighting, fire detection and alarm system into a three story, 17,000 square foot building constructed in the 1870's.
- Residence Hall Restroom Renovations. Designed the repair by replacement of restroom fixtures, ventilation, shower enclosures, partitions and finishes in five residence halls.
- Gilman Hall and Andrews Hall Food Service Renovations. Designed the electrical and lighting and HVAC systems for a \$2 million renovation of two kitchens and student dining areas.

On all these projects Pickering Associates controlled costs without compromising the quality of the final product. What I most appreciate is the level of effort that all disciplines put into their on-site investigation during the planning and programming phase. When you have a tight budget established by your Board of Trustees and a tight schedule driven by the return of students, this additional effort can reduce change orders that will cost time and money.

In my opinion, because of the high quality of their plans and specifications, Pickering Associates has an excellent professional reputation in the general contractor community so, as an Owner, I feel like I get the advantage of the most competitive bid.

Please feel free to contact me at (740)-376-4367 for any additional information that may help you select the most qualified firm for your work.

Sincerely,



Fred R. Smith, PE
Director, Physical Plant

CHARTERED IN 1815

215 Fifth Street • Marietta, OH 45750 • phone: 740-376-4367 • www.pickering.com



ENGINEERING DEPARTMENT
304 Putnam Street - Marietta, Ohio 45750
Phone (740) 373-3495 - Fax (740) 376-2000
www.mariettaoh.net

April 20th, 2016

To whom it may concern,


Pickering Associates has worked with the City of Marietta on our City Hall Building Renovations, Armory Elevator Renovations, Waste Water Treatment Plant, as well as multiple other projects over the past several years, providing Architectural, Engineering and Surveying services for the city.

From initial project planning, design development and bidding, through contracting, construction administration and closeout, Pickering Associates has been beside the City of Marietta to provide any necessary support needed to make the project successful. Traci Stotts, Ron Arnold, and other Architects, Designers and Engineers, worked closely with our staff to run projects as efficiently as possible.

Their team has provided us with quality bidding/construction drawings and specifications, allowing us to receive accurate bids, which in turn, allows us to move ahead expeditiously from bidding to contracting. They have shown a clear understanding of the bidding and contract administration process, which truly helps make our job easier.

It has been a pleasure working with the staff at Pickering Associates, and I would not hesitate to recommend them for similar projects.

Sincerely,


Joseph R. Tucker, PE
City of Marietta



Come grow with us!

May 19, 2016

To Whom It May Concern:

Pickering Associates worked with Polymer Alliance Zone, Inc. on our 80,000 square foot pre-engineered warehouse building at Polymer Technology Park in Davisville, WV. The project was funded through WV Economic Development Administration (WVEDA) and the Infrastructure Joint Development Council (IJC).

From initial project planning, design development and bidding, through contracting, construction administration and closeout, Pickering Associates was beside PAZ to provide any necessary support needed to make this project successful. Their professional team of Architects, Designers and Engineers, worked closely with our staff to make sure the design accommodated all of our needs.

It has been a pleasure working with the staff at Pickering Associates, and I would not hesitate to recommend them for projects of any type and magnitude. I continue to look forward to our future working relationship with their team.

Sincerely,

A handwritten signature in black ink that reads "Karen L. Facemyer".

Karen Facemyer
President/CEO
Polymer Alliance Zone, Inc.

CAMDEN CLARK MEDICAL CENTER

800 Garfield Avenue
P.O. Box 718
Parkersburg, WV 26102
304-424-2111

July 9th, 2018

To Whom It May Concern,

Pickering Associates has been involved in numerous projects at Camden Clark Medical Center over the years, including a new hospital expansion project to include emergency department and 30 bed inpatient unit, pharmacy relocation, catheterization lab expansion and renovations, multiple patient room area renovations, imaging area renovations, and various other projects. The Architectural, Engineering, and Construction Administration services they provide have proven to be a wonderful complement to our own administrative professionals. Pickering Associates often provides initial project planning, design development, bidding, contracting, construction administration and closeout.

We like the fact that these professionals are a local company. They are aware of the community dynamics, and are in-tune to the users of our facility and most of all they are a true stakeholder in our success. Pickering's project managers and construction administrators are well experienced and provide professional overview of our projects.

Pickering Associates has consistently completed projects for us on time and within budget. Their team has provided us with quality bidding/construction drawings and specifications allowing us to receive accurate bids, which in turn, allows us to move ahead expeditiously from bidding to contracting.

It has been a pleasure working with the staff at Pickering Associates, and I would not hesitate to recommend them for projects of any type and magnitude. I continue to look forward to our future working relationship with their team.

Sincerely,



Barry K Justice
Director of Engineering
Camden Clark Medical Center
WVU Medicine



Mayor
Randall C. Rapp

Recorder
Cathy Smith

City Council
Roger Bibbee
Jim Miracle
Bruce Rogers
Steve Stephens
Tom Azinger

April 18th, 2016

To whom it may concern,

Pickering Associates has worked with the City of Vienna on our Police Department Annex, Volunteer Fire Department, and Senior Center, as well as multiple other projects over the past several years, providing Architectural, Engineering and Surveying services for the city.

From initial project planning, design development and bidding, through contracting, construction administration and closeout, Pickering Associates has been beside the City of Vienna to provide any necessary support needed to make the project successful. Traci Stotts, Ron Arnold, and other Architects, Designers and Engineers, worked closely with our staff to make sure the design accommodated all of our needs.

Pickering Associates has consistently completed projects for us satisfactorily. Their team clearly exhibits a thorough understanding of the bidding and construction administration process, which makes for smooth-running projects.

We have enjoyed working with the staff at Pickering Associates and appreciate their work for the City of Vienna.

Sincerely,




June 1, 2018

To Whom It May Concern:

I am writing to recommend the professional services we receive from Pickering Associates. Mark Mondo Building and Excavating has worked with Pickering Associates for many years. We have always received prompt, professional, collaboration, and insight when working with them. From simple phone call Q & A, to full service project management, and the myriad of negotiations and regulations of a project, Pickering Associates delivers the services that keep us building projects, year after year. As complicated as a project can be, it is good to know that so many disciplines are so well represented in one firm.

As a regular user of their output, I find that their construction documents to be second to none. Their attention to detail and clarity of presentation is so important when trying to convey the design of a project. Better drawings mean better projects. Simple as that.

A handwritten signature in black ink that reads 'John H. Anderson'.

John H. Anderson
Project Manger | Business Development
Mark Mondo Building and Excavating
740-376-9396
740-236-6006 Mobile
john@mondobuilding.com

ADDENDUM ACKNOWLEDGEMENT FORM

SOLICITATION NO.: CE01 0603 ADJ1900000009

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 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.

Pickering Associates
Company

Mari L. Stotts
Authorized Signature

08/30/18
Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.
Revised 6/8/2012

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.

Traci L. Stotts, Architect

(Name, Title)

Traci L. Stotts, Architect

(Printed Name and Title)

11283 Emerson Ave Parkersburg, WV 26101

(Address)

(304) 464-5305 / (304) 464-4428

(Phone Number) / (Fax Number)

tstotts@pickeringwa.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.

Pickering Associates

(Company)

Traci L. Stotts, Architect

(Authorized Signature) (Representative Name, Title)

Traci L. Stotts, Architect

(Printed Name and Title of Authorized Representative)

08/30/18

(Date)

(304) 464-5305 / (304) 464-4428

(Phone Number) (Fax Number)

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: Pickering Associates

Authorized Signature: Mace L. Hobbs Date: 08/30/18

State of West Virginia

County of Kanawha, to-wit:

Taken, subscribed, and sworn to before me this 30th day of August, 2018

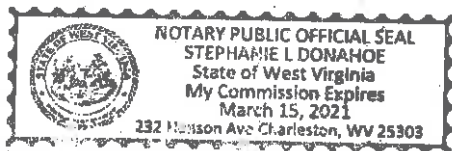
My Commission expires March 15th, 2021

AFFIX SEAL HERE

NOTARY PUBLIC

Stephanie L. Donahoe

Purchasing Affidavit (Revised 01/19/2018)



West Virginia Ethics Commission
Disclosure of Interested Parties to Contracts

(Required by W. Va. Code § 6D-1-2)

Contracting Business Entity: Pickering Associates Address: 11283 Emerson Ave
Parkersburg, WV 26104

Authorized Agent: Traci L. Stotts Address: Same

Contract Number: CR01 0003 A01 1900000000 Contract Description: Architectural/Engineering Serv

Governmental agency awarding contract: WV Army National Guard - Construction & Facilities Mgt off
 Check here if this is a Supplemental Disclosure

List the Names of Interested Parties to the contract which are known or reasonably anticipated by the contracting business entity for each category below (attach additional pages if necessary):

1. Subcontractors or other entities performing work or service under the Contract

Check here if none, otherwise list entity/individual names below.

2. Any person or entity who owns 25% or more of contracting entity (not applicable to publicly traded entities)

Check here if none, otherwise list entity/individual names below.

Ryan Taylor

3. Any person or entity that facilitated, or negotiated the terms of, the applicable contract (excluding legal services related to the negotiation or drafting of the applicable contract)

Check here if none, otherwise list entity/individual names below.

Signature: Traci L. Stotts Date Signed: 08/30/18

Notary Verification

State of West Virginia, County of Kanawha

Traci L. Stotts, the authorized agent of the contracting business entity listed above, being duly sworn, acknowledge that the Disclosure herein is being made under oath and under the penalty of perjury.

Taken, sworn to and subscribed before me this 30th day of August, 2018.

Stephanie D. Donahoe
Notary Public's Signature

To be completed by State Agency:

Date Received by State Agency: _____

Date submitted to Ethics Commission: _____

Governmental agency submitting Disclosure: _____

