

A/E Design Services for West Virginia Division of Natural Resources



NORTH BEND STATE PARK NEW WASTEWATER TREATMENT PLANT

CEOI 0310 DNR2400000009

MAY 28, 2024



EST. 1988

OUR MISSION

*Our purpose is to enrich
our communities through
service to our clients.*

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



Mr. Hager,

Pickering Associates is pleased to submit this proposal to you for engineering services for the North Bend State Park New Wastewater Treatment Plant. We feel confident our design team is uniquely qualified to provide engineering services for this project. We are familiar with the project site and the goals the West Virginia DNR and Park are trying to achieve with the proposed project.

As a firm, Pickering Associates is privileged to work with many associations and municipalities like the WV DNR over the years. Over the last 30 years, we have provided our design services for a variety of projects from sanitary line extension for small commercial additions to large municipal system expansions. Our list of clients include the City of Parkersburg, Marietta, Pickerington, Newport, as well as many state agencies on projects that are similar in nature to your project.

Through our service, Pickering takes pride in finding unique solutions for our clients to some of the most challenging problems. We understand the challenges, encountered and imposed, that teams must overcome. This project will be no different due to the scope, phased approach and desired program requirements. You will find a growing list of repeat clients who come back to Pickering because of the importance we place on their vision.

So, please accept this proposal that outlines our technical expertise, management, staff capabilities and experience for providing high-quality engineering services for your proposed project. We feel that our focus on clients sets our team head and shoulders above any other firm. We look forward to personally discussing our qualifications to improve the concept with key stakeholders, complete this project on time, within budget and exceeding the standards of the firms you may have worked with previously. Should you have any questions regarding this proposal, please do not hesitate to contact us.

Respectfully submitted,



Mark Welch, P.E.
Director of Commercial and Municipal Design, Civil Engineer
Mark.Welch@pickeringusa.com | 304.464.5305 EXT. 1301

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ABOUT THE COMPANY

Founded in 1988, Pickering Associates has been providing architectural, engineering and surveying services throughout West Virginia and Ohio for over thirty years.

Our company is the product of three generations and more than 75 years of construction experience. This experience plus state-of-the-art engineering practices create a full-service, multi-discipline, architectural, engineering and surveying firm serving a wide range of needs and featuring innovative, customized solutions. Our highly qualified staff includes licensed professional engineers, professional surveyors, licensed architects, designers, and drafters as well as support personnel.

The disciplines we cover include architecture, surveying, project management, civil engineering, structural engineering, mechanical engineering, electrical engineering, process engineering, automation and control, and construction administration. Pickering Associates specializes in the above listed disciplines with education, government, healthcare, industrial, oil & gas and private sector clients.



**"WE ARE
COMMITTED TO THE
PROFESSIONAL
DEVELOPMENT AND
TECHNICAL
ADVANCEMENT OF
OUR EMPLOYEES."**

ABOUT THE PEOPLE

In choosing Pickering Associates, your project will be performed to your specifications with frequent meetings and status reports to keep you up-to-date on the status of the project. Our sole focus is your full satisfaction with the completed quality installation.

Successfully executing more than 10,000 projects in its history, the firm has built a tremendous wealth of experience gaining insight into what works for each client type. Those lessons learned add substance to our work and provide our clients with unparalleled value.

Our objective is to partner with our clients improving their performance, flexibility, life-cycle cost, sustainability and ultimately well-being.



WHAT FULL SERVICE MEANS

WASTEWATER DESIGN

The goal of any wastewater treatment plant is simple, to clean water before discharging it into rivers, streams, lakes and groundwater. There are many factors that need to be considered when upgrading an existing facility or designing a new one, among these include: age of equipment, current processes and existing load and future expansion. Performing extensive evaluations, prior to design is key in providing our clients with a finished project that is effective and efficient in daily operation. Performing extensive evaluations, prior to design, is key in providing our clients with a design that is effective and efficient in daily operation.

Our project team has extensive experience with planning, designing and improving wastewater systems, regardless of scope or size. Whether it's a simple extension to a new development, or major upgrade, Pickering Associates can utilize their highly skilled engineers to design systems that meet the clients needs and budget.

With the selection of Pickering Associates, your organization gains the full depth of our organization. Projects are scheduled out through all phases of delivery by the project manager, assigning the necessary resources to perform

to the schedule necessary for that project and highlight major milestones that need to be met. With more than 60 professionals on staff, you can be confident that Pickering Associates has the resources to meet your project schedule.

OUR APPROACH

And because we are less than 40 minutes from the park, we are able to provide a better coordinated project than firms who are not located as close. We will organize regular on-site project team coordination meetings throughout the design phases of a project to discuss and resolve any issues or concerns that may arise during design.

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 like many firms farther away are required to do.

Our close coordination efforts have proven 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.



Our company prides itself on making sure that we clearly understand our customer's project scope of work, goals, schedule, and available budget prior to beginning design. We also understand the importance of meeting a schedule for a project. We will sit down with you in the beginning of the project to discuss your project schedule desires and goals and communicate any concerns that we may need to discuss early in the project so they can be properly addressed and planned out.

Goal/Objective 1: Review conditions and operations of the facility while communicating effectively with the owner to determine a plan that can be implemented in a manner that will minimize disruption to concurrent operation of the facility/structures and meet all objectives.

Our approach to your project will begin with our team members meeting at the park with you and all of the parties associated with the project. All designers and engineers on the project team will be present to discuss the needs of each park; your viewpoints, budget, schedule and all other applicable information in order to begin design. We will review the existing plans and record the current conditions of the systems either manually or with the use of our 3D scanner or drone. More information about the tools Pickering uses is provided in this proposal.

OFFICE LOCATION: PARKERSBURG

11283 Emerson Avenue
Parkersburg, WV 26104

CONTACT INFORMATION:

Mark Welch/Contact
Project Manager
(P) (304) 464-5305 EXT: 1301
(E) mwelch@pickeringusa.com

SERVICES:

Architecture
Interior Design
3D Model Design
Landscape Architecture
Civil Engineering
Structural Engineering
Electrical Engineering
Automations & Controls
Mechanical Engineering
Piping Engineering
Process Engineering
Surveying
Marketing Development
Construction Services
Project Management

**Rated as one of the
TOP
Engineering Firms in
West Virginia.**

- The State Journal



Our clients are especially impressed with how Pickering strives to provide consistent communication with the project team during all phases of the project. Regular project meetings and weekly project updates are provided to the owner and all parties so that any issues can be discussed and resolved quickly. The Project Manager attends all meetings, as well as any other design leads that may need to be involved during the process.

We will work with the WVDNR to determine a plan of action that will meet all your needs, and ensure work is coordinated so that disruption of normal park functions are kept to a minimum. We have worked on many projects that required unique phasing so that systems can operate without being affected by construction.

Goal/Objective 2: As a portion of this process outlined in Objective 1, provide all necessary services to design the facilities described in this EOI in a manner that is consistent with The Division of Natural Resources needs, objectives, current law, and current code, while following the plan to design and execute the project within the project budget.

Pickering is a full-service design firm . All professionals are very experienced with local, state and federal codes and requirements. Design documents will also be reviewed by our in-house Certified Building Code Plans Examiner for full compliance with applicable codes. As with all projects, we will continuously monitor the budget to ensure that the scope of work is in alignment with the available funding. Our experienced construction administrators will provide estimates of probable construction costs and budget checks to be presented at all design phases.

Goal/Objective 3: Provide Construction Contract Administration Services with competent professionals that ensures the project is constructed and functions as designed.

Pickering has a complete construction administration department with many years of experience in construction that will be involved throughout the project. Our CA team will be involved early in the design process to become familiar with the project scope of work, and to provide valuable feedback for constructibility. This helps minimize questions and issues during bidding as well as create clear instructions and

improved communication during the construction phase.

The construction administrator will also manage and oversee all aspects of construction to ensure that the completed project is in accordance with the design documents, applicable codes and intent of the project.

By working with Pickering Associates you will see that teamwork 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 poised to provide you. As reflected in our resumes and company experience, we are uniquely qualified to offer the professional services required and to ensure that your vision becomes a reality.

Pickering Associates has experienced personnel available to design and manage the improvements for North Bend State Park wastewater plant. From initial topographic surveys and utility locates to design of repairs, renovations, and extensions to funding assistance to bring the plans to reality, our design teams are devoted to bringing a quality experience to the park.

Our Unique Qualities:

We believe that Pickering Associates has many unique qualities that set us apart from other firms. Below is a list of qualities that we feel are worth calling attention to:

- 1) Full Service Firm: Pickering Associates is a Full-Service A/E firm. We have all architects and engineers in-house, including surveyors. We can effectively and efficiently communicate with our entire team thus ensuring a well-coordinated design effort.
- 2) Our Experience: We have completed other similar design projects and have assembled an experienced project team that works well together. We understand the needs of your facility and believe that our work with the WVDNR on prior projects gives us an insight to the scope and design that other firms may not offer.
- 3) Our Technology: Pickering Associates uses Building Information Modeling (BIM), 3D Scanning, Virtual Reality, and 3D printing technology in devel-

oping our project concepts throughout the design process, as needed. These tools also allow for us to better communicate the final layout and look of the project with our clients and allows our clients to experience what the project will look like prior to construction.

- 4) Our Communication: Our Project Manager will provide consistent communication with all project stakeholders throughout the project design. We make sure that the project scope and schedule are aligned with the project requirements, and the client's desires and expectations.



YOUR PROJECT

Project Owner

West Virginia Division of
Natural Resources



LEADERSHIP

Project Manager

Mark Welch, PE
Director of Commercial and
Municipal Design
Civil/Structural Engineer

Mark coordinates and manages teams that provide site planning and development to municipal and commercial accounts.

He has contributed to 100s of projects and has a wealth of experience with stormwater management, erosion control, site utility layout, and permit assistance.

DESIGN TEAM

Civil Engineering

Spencer Kimble, P.E.

Structural Engineering

Joe Tucker, P.E.

Mechanical Engineering

Jeff Hosek, PE

Electrical Engineering

Carl Henson, P.E.

Plumbing Engineering

David Boggs, P.E.

Surveying

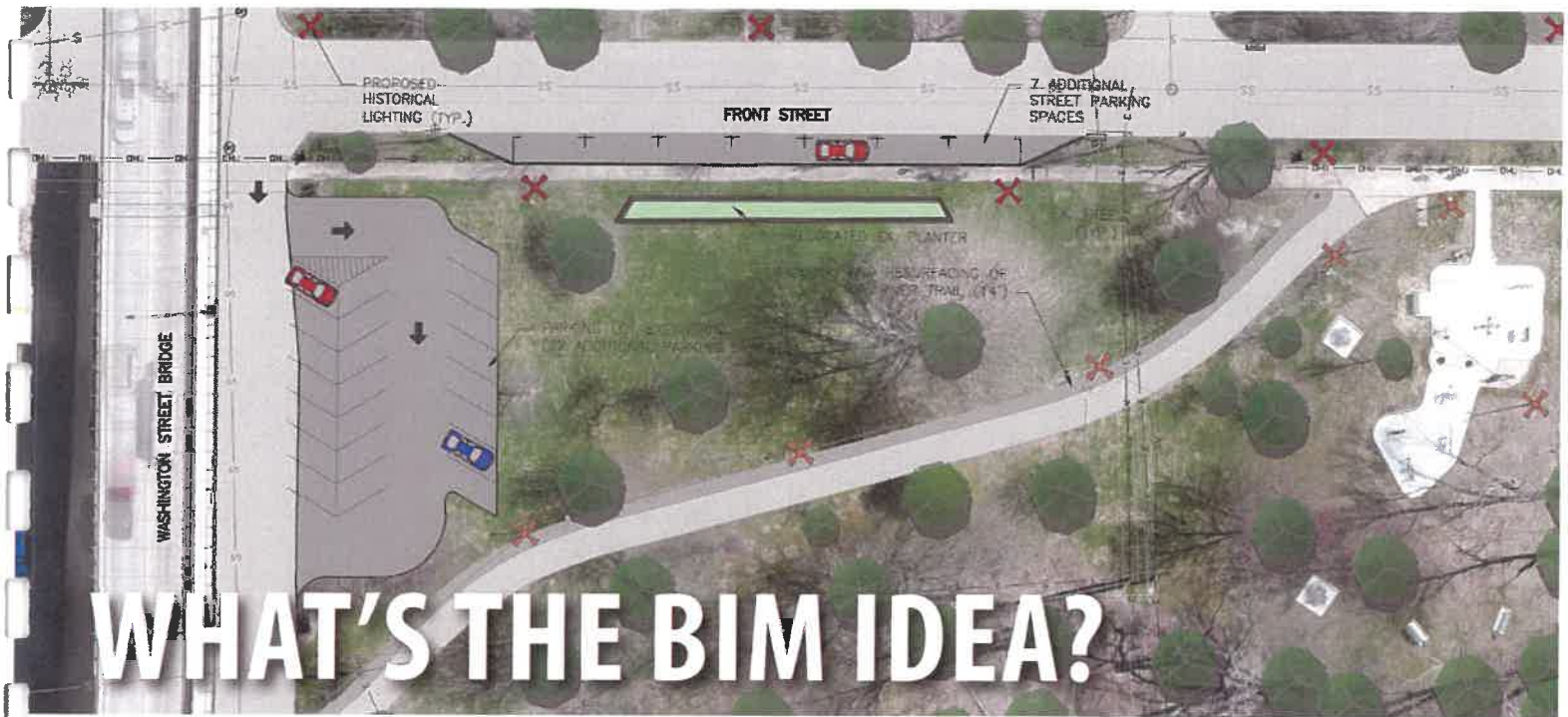
Bill Showalter, PS

Construction Administration

Jim Wark

Environmental

Andrew Mommessin



Pickering Associates "IDEA" is our Integrated Design Execution Approach.

Integrated - we want our clients, contractors and end users engaged in the process of design. When the right people are involved, accessing the best information, good decisions are made.

Design Execution- refers to how we develop and optimize your project. We focus on the questions that have the most impact. We assign the right staff with the right tools

Our Approach- recognizes that projects are constantly changing and evolving as the project progresses. We tailor a plan for the project objective, maintain and monitor it so it remains optimized to achieve project goals, faster.

Pickering Associates' Integrated Design Execution Approach - our "IDEA", is a big deal, and will help your project be successful.

Building Information Modeling is a process that aligns to all aspects of our "IDEA". It is integrated, allowing easy access to project information. The software we use help understand the proposed design, coordinate, and identify the critical problems that need answers. Most importantly, Building Information Modeling is a process that fits with our Approach. Allowing the project team to evolve seamlessly as more information is available and new stakeholders are brought onto the team.

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 with all project stakeholders 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 digital comments allows our team to capture and track design communications more efficiently than ever before.

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 the blends well with our 3D modeling and BIM work flows.

This tool allows us to send a small scanning team into an existing building/space and digitize the as-built 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 measure from a 360 degree image or point cloud with higher accuracy and faster than field measurements.

Building Information Modeling is a process that starts at integrating the team, provides access to project information, incorporates tools to understand design execution, and allows teams to focus on what matters most for the project. It perfectly complements Pickering's Integrated Design Execution Approach, and we can't wait to show you BIM and our "IDEA"s!

PAST PROJECTS

* More Project examples available upon request

Christy & Associates

Marietta, Ohio

8th Street Waterline Extension

Five Star Investment Group

West Virginia

Route 31 Utility Infrastructure

Flat Rock Development

Monroe County, Ohio

Ohio River Withdrawal Waterline Infrastructure
Planning

Miller Valentine Affordable Housing, LLC

West Virginia

Edison Hill Site Development Utility Extensions

Triad Hunter, LLC (now Montage Resources)

Various Locations

Stewart Winland and Gas Pipeline
Ormet Pipeline
Wells-Meckley Wateline

Larry Lang Excavating

Marietta, Ohio

First Colony Development Utility Extensions

Mondo Building and Excavating

Williamstown, W.Va.

Harbor Point Utility Infrastructure

City of Marietta

Marietta, Ohio

Sherry Dr/Hadley Ln Water Line Replacement
Additional Survey-Sherry Dr/Hadley Water
Wastewater Treatment Plant Phase I, II and III
Marietta/Reno Route 7 Sewer Line Extension
Duckbill Outfall
Water Treatment Plant Solids Contact Tank Painting
North Hills Elevated Water Tank
Channel Lane Culvert
Harmar & 676 Elevated Water Tanks
East Norwood Pump Station
Glendale extension Waterline Replacement

Parkersburg Utility Board

Parkersburg, W.Va.

Repair Martown Reservoir Communication
Add radio & PLC to Pettyville site
Quincy Street SCADA

Lubeck Utility Board

Lubeck, W.Va.

Troubleshooting Device Net
Lookout HMI to Panelview SE Display
Install Pressure Filtration Sys PLC

City of Pickerington

Pickerington, Ohio

Wastewater Treatment Plant Value Engineering
Design
Wastewater Treatment Plant Renovation
Wastewater Treatment Plant Sand Filter
Rehabilitation
D-Line Sanitary Sewer Expansion
D-Line Sanitary Sewer Phase IIC
D-Line Sanitary Sewer Phase III

City of Canal Winchester

Canal Winchester, Ohio

Wastewater Treatment Plant Constructibility
Review and Corrections

City of Pataskala

Pataskala, Ohio

Wastewater Treatment Plant Upgrades

Newport Water and Sewer District

Newport, Ohio

Wastewater Treatment Plant Upgrades and
Control Automation

Broughton Commercial Properties

Washington County, Ohio

Waterline and Sewer Line Extensions from Main
Lines

Putnam Water Corporation

Devola, Ohio

Keeler, Clark & Walnut Drs/Milton Rd Waterline
Robson Road Waterline Replacement
Chevy Chase Manor Waterline Replacement



CITY OF MARIETTA

WASTE WATER TREATMENT PLANT

PROJECT SPECS:

PROJECT COST
\$14 MILLION

SQUARE FOOTAGE
NA

DESIGN COMPLETION
MAY 2017

CONSTRUCTION COMPLETION
SEPTEMBER 2019

Pickering Associates provided structural, civil, electrical, controls system design services and construction administration to the City of Marietta for a multi-phased project to increase capacity and performance of the Waste Water Treatment Plant. This project included new screeners, raw sewage pump station, centrate pump station, final clarifiers, MLSS splitter box, new UV equipment, raw activated sludge pump station, and high river pump station.

The total construction cost for this project is approximately \$14MM. Pickering Associates also assisted in the application and presentation for all EPA and local permits, along with OWDA funding.

SERVICES PROVIDED

CIVIL
SURVEYING
ELECTRICAL
STRUCTURAL
MECHANICAL
AUTOMATION AND CONTROLS
CONSTRUCTION MANAGEMENT
PROJECT MANAGEMENT

CLIENT CONTACT

JOE TUCKER
CITY ENGINEER
740-374-5495
JOETUCKER@MARIETTAOH.NET





BROUGHTON COMMERCIAL PROPERTIES

SANITARY SEWER LINE INSTALLATION

PROJECT SPECS:

PROJECT COST
PRIVATE

LINEAR FOOTAGE
8,500 LF

DESIGN COMPLETION
APRIL 2019

CONSTRUCTION COMPLETION
AUGUST 2019

Pickering Associates was hired by Broughton Commercial Properties, LLC to construct a new sanitary sewer mainline extension to three existing complexes near Marietta, Ohio. The sewer will tie into the existing Washington County sanitary system at Ohio SR 60 near Devola, Ohio. The new sanitary sewer line is approximately 8500 LF with two lift stations.

Project scope includes sewer, force main, air release valve structures, metering station, and (2) lift stations. Once completed the project is possibly going to expand again at a later date to State route 821/I-77 interchange.

SERVICES PROVIDED

CIVIL
SURVEYING
CONSTRUCTION MANAGEMENT
PROJECT MANAGEMENT

CLIENT CONTACT

GEORGE BROUGHTON
OWNER
740-374-9393
GEORGE@GWBSALES.COM





PROJECT SPECS:

PROJECT COST
VARIOUS

SQUARE FOOTAGE
N/A

DESIGN COMPLETION
VARIOUS

CONSTRUCTION COMPLETION
VARIOUS

SERVICES PROVIDED

ELECTRICAL
CONSTRUCTION MANAGEMENT

CLIENT CONTACT

GARY MOORE
MANAGER
P) 304-861-7713
E) LPSDWATER@CASINTERNET.NET

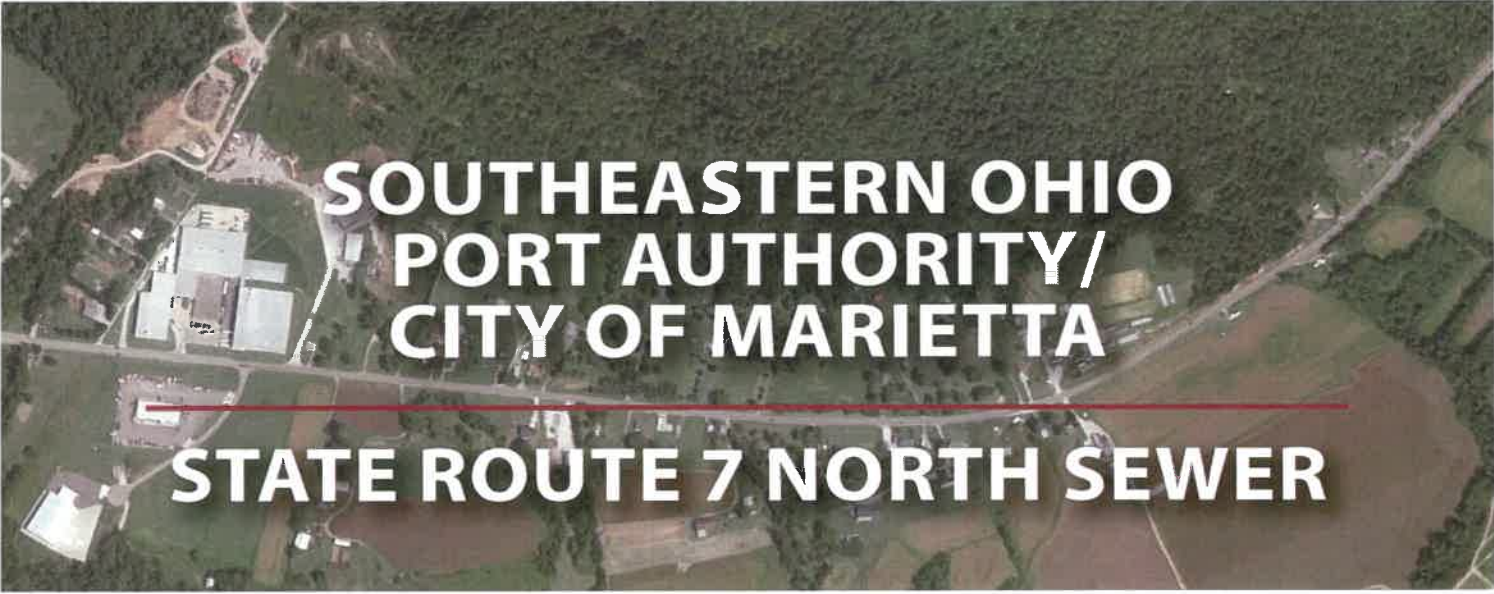
Through various projects, Pickering Associates provided design, fabrication and programming to automate six water tanks, two booster pump stations, one valve vault, seven water wells and the main water plant for the Lubeck Public Service District.

Pickering Associates specified one control panel with an Allen Bradley MicroLogix PLC and level transmitter to each tank. These panels report current tank levels.

The valve vault was provided with one control panel with an Allen Bradley MicroLogix PLC in order to report flow, valve position and control valve position. Each booster station was provided with one control panel with an Allen Bradley MicroLogix PLC and an Allen Bradley PanelView Plus. One booster station was provided with a level transmitter. These panels report intrusion, pump running, auto and fail status, pressure switch status and VFD control. They enable local start and stop as well as speed control for three motors.

The well site featured one control panel with an Allen Bradley MicroLogix PLC. This panel reports well level, flow, pump running for each well, overload failure for each well, and a level alarm for each well. It was also provided with a local start/ stop.

The main plant utilized its existing control panel with an Allen Bradley PLC. This PLC is able to receive and report the data from the remote devices as well as monitor the north and south clear well levels, high service pump status, lead/lag status, auto status of wells, interlocks, set-points and communications status. It can also output to an automatic telephone dialer and control the air stripper.



SOUTHEASTERN OHIO PORT AUTHORITY/ CITY OF MARIETTA

STATE ROUTE 7 NORTH SEWER

PROJECT SPECS:

PROJECT COST
\$1.75 MILLION (MAINLINE ONLY)

LINEAR FOOTAGE
APPROX. 2.5 MILES

DESIGN COMPLETION
ONGOING

CONSTRUCTION COMPLETION
NOT YET PERFORMED

SERVICES PROVIDED

CIVIL
SURVEYING
PROJECT MANAGEMENT

CLIENT CONTACT

JOE TUCKER, P.E.
CITY ENGINEER
P) 740.373.5495

Planning for future development along State Route 7 North, just outside Marietta, Ohio, Southeastern Ohio Port Authority contacted Pickering Associates to assist with preliminary engineering of a sewer line extension.

Pickering Associates gathered topographical information and parcel data to perform this preliminary engineering. The Civil Engineering team calculated future sewer demands based on acreage of undeveloped land and current residences/businesses. The routing of the proposed sanitary sewer worked to minimize depth of sewer, maximize length of gravity sewer, minimize lift stations, and minimize disturbance to State Route 7 crossings. Pickering also worked to generate cost estimates based on the preliminary routings.

The information generated during this project was used to apply for grant funding in 2016. Early in 2019, it was learned that the project was selected for United States Army Corps of Engineers Section 594 grant under the Environmental Infrastructure Program. Pickering Associates is currently assisting with the required information for the grant. The detailed design for this project is forthcoming with City of Marietta being a co-sponsor for the sewer line extension.



PROJECT SPECS:

PROJECT BUDGET

\$443,600

LINEAR FOOTAGE

APPROX. 800'

DESIGN COMPLETION

ON-GOING

CONSTRUCTION COMPLETION

TO BE DETERMINED

SERVICES PROVIDED

CIVIL

SURVEYING

CONSTRUCTION MANAGEMENT

PROJECT MANAGEMENT

CLIENT CONTACT

NATHAN SIMONS

HOCKING ATHENS PERRY COMM. ACTION

PROJECT COORDINATOR

740-767-4500

The Village of Chauncey had previous video footage of their existing sewer infrastructure along State Route 13 / Converse Street. Upon review of the video, they found a nearly failed sewer line, along with what appeared to be the start of a sinkhole at the surface.

Pickering Associates reviewed existing video footage and developed a plan of repair to replace certain portions of line, while using cure-in-place lining for the remaining areas of the pipe. Using this method will save some deep excavation costs, allow the Village to stretch their money, minimize community disruption, and provide for a clean install.

During design, Pickering Associates will provide construction drawings for the deep excavation repairs, the lining repairs, pavement repairs, any traffic control devices needed, and provide bidding assistance to the key stakeholders in the project: Hocking Athens Perry Community Action Program (HAPCAP), the Athens County Commissioners, and the Village of Chauncey.

In addition, Pickering Associates will also be assisting with Construction Administration and Oversight for the project.



PROJECT SPECS:

PROJECT COST

\$658,148

LINEAR FOOTAGE

APPROX. 50' (REPAIR) / 4,468' (LINED)

DESIGN COMPLETION

MARCH 2019

CONSTRUCTION COMPLETION

ONGOING

SERVICES PROVIDED

CIVIL

SURVEYING

CONSTRUCTION MANAGEMENT

PROJECT MANAGEMENT

CLIENT CONTACT

STEVE ELLIOTT

WASTEWATER SUPERINTENDENT

P) 740.373.3858

The City of Marietta experienced sinkholes due to failing sanitary lines throughout the city. Pickering Associates was asked to provide detailed construction drawings to repair five (5) locations, at repair lengths specified by the City, after reviewing televising results.

These sanitary lines were excessively deep (with depths exceeding 16') and were very near to adjacent utilities, posing potential constructibility issues. Pickering Associates value engineered a solution to utilize a structural Cure-in-Place Pipe lining to provide support for several of these failed locations. Two areas remained to receive deep excavation repair as the extents of damage were too great to perform the structural lining.

With removing three of the deep excavations from the scope of the project and instituting the lining program, the City was able to preserve nearly 4,500 linear feet of sanitary pipe with a 50-year design life. The total project cost, including the liner, would prove to be equivalent to the original five deep excavations, thus allowing the City to maximize their investment.

During design, Pickering Associates provided construction drawings for the deep excavation repairs, the lining repairs, pavement repairs, and provided bidding assistance. In addition, Pickering Associates assisted with the OWDA (Ohio Water Development Authority) loan application. Pickering Associates is also assisting with Construction Administration.



MONDO BUILDING & EXCAVATING

HARBOR POINT UTILITY INFRASTRUCTURE

PROJECT SPECS:

PROJECT COST
PRIVATELY FUNDED

TOTAL LINEAR FOOTAGE
15,260 LINEAR FEET (WATER/SEWER)

DESIGN COMPLETION
FEBRUARY 2015

CONSTRUCTION COMPLETION
AUGUST 2015

SERVICES PROVIDED

CIVIL
SURVEY
PROJECT MANAGEMENT
CONSTRUCTION ADMINISTRATION

CLIENT CONTACT

JOHN ANDERSON
PROJECT MANAGER
740-376-9960
JOHN@MONDOBUILDING.COM

Pickering Associates created construction drawings for the installation of over 1.0 miles of new water and sewer lines for Harbor Point Marina in Williamstown, West Virginia.

Pickering Associates obtained all required permits including the City of Williamstown, WVDHHR, WVDEP and WVDOH. In addition, a railroad crossing was required for utilities. Pickering Associates coordinated with CSX for these.

Civil Engineering services included the following:

- Researching applicable requirements of governing authorities having jurisdiction
- Generating conceptual waterline alignment/ routing
- Creating utility drawings of the proposed replacement projects and developing alignments
- Creating waterline profiles
- Creating waterline sections
- Details and on-drawing specifications
- Developing construction drawings and quantities
- Reviewing contractor submittals and
- Providing construction administration services throughout the project.

Pickering also performed all necessary surveying services for the project including initial topographical survey, boundary survey, existing utility location survey, property annexation documentation, wetland mitigation survey, ROW plans and construction layout staking.



PROJECT SPECS:

PROJECT COST
\$785,600

LINEAR FOOTAGE
4,550 LF

DESIGN COMPLETION
APRIL 2016

CONSTRUCTION COMPLETION
OCTOBER 2016

SERVICES PROVIDED

CIVIL
SURVEYING
CONSTRUCTION MANAGEMENT
PROJECT MANAGEMENT

CLIENT CONTACT

ERIC LAMBERT
PROJECT ENGINEER
P) 740.373.5495

The City of Marietta planned to replace approximately 1,750 ft of existing waterline along Sherry Drive and 2,800 ft of existing waterline along Hadley Lane. The scope of this project worked to replace 4 and 6" lines with a new 6" waterlines.

Pickering Associates' surveying team, led by Bill Showalter, provided surveying services to conduct a topographic survey of the project area at 1 foot contour intervals, elevations of road, walks, buildings and all appropriate items over the project area, including above and underground utilities based upon utility locating service and visible improvements. Once construction was complete, our surveyors were asked to perform As-Built Surveys of the alignment.

The Civil Design, managed by Mark Welch and consisting of design team members Spencer Kimble and John Bentz, included applicable code review, routing of proposed waterline (both in plan and profile), hydrant locations, appropriate valve separations at tie-ins, and required pavement rehabilitation measures. The basis of design for the project was directional bore. To assist contractors, geotechnical borings were performed by the owner and boring logs shown on plan by Pickering Associates. All residential tie-ins were coordinated with the City of Marietta and the plans generated depicted all work to the curb stop.

The Hadley Lane and Sherry Drive waterline replacement project was required to come within 10% of the Engineer's Final Construction Cost Estimate in order for the project to be awarded. Not only was the 10% threshold met and project awarded, overall construction only saw one small change order and was completed on-time.

In regards to budget adherence, the ratio of actual design costs to budgeted design costs was 97%.



PROJECT SPECS:

PROJECT COST
\$309,140 TO DATE

TOTAL LINEAR FOOTAGE
7,036 LF

DESIGN COMPLETION
MAY 2016

CONSTRUCTION COMPLETION
PHASES (AUG 2019 THRU CURRENT)

SERVICES PROVIDED

CIVIL
SURVEYING
PROJECT MANAGEMENT
CONSTRUCTION MANAGEMENT

CLIENT CONTACT

JAY HUCK
BUSINESS MANAGER
740-373-0975
JHUCK@PUTNAMWATER.COM

Pickering Associates worked with the Putnam Community Water Corporation (PCWC) to replace the existing waterlines along several roads in the Devola, Ohio. Roads included in previous designs were:

- Keeler Drive
 - Clark Drive
 - Walnut Drive
 - Milton Road
 - Robson Road - 1,200 LF
 - Chevy Chase Manor - 2,278 LF
- Total of 3,558 LF

The projects were a mix of open cut and directional bore. This helped to minimize any disturbance to the local residence.

Pickering Associates provided engineering and design services which included preparation of construction documents. All construction documents conformed to OEPA requirements, the Ten State Standard and AWWA.

Civil Design services, managed by Spencer Kimble and consisting of design team members Tyler Eppley and John Bentz, included applicable code review, routing, plan generation (plan/profile), scheduling utility marking services, survey services to establish location of all known utilities and roadway right-of way, coordinating the preparation of Construction Documents with the Putnam Water Community Corporation Business Manager.

The project worked to tie all residence connections at the curb stop and also included detail work for tie-ins at connecting mainlines. Based on OAC 3745-91, this project did not require Plan Approval due to the pipe size only increasing from 4" to 6". This was due to the exemption of plan approval allowing an increase of 4" in diameter, with other conditions met.

In regards to budget adherence, the ratio of actual design costs to budgeted design costs was 101%. With this overage, client did not incur additional charges beyond original budget amount (i.e. no design change order).



PROJECT SPECS:

PROJECT COST
\$450,000

LINEAR FOOTAGE
5,000 LF

DESIGN COMPLETION
APRIL 2020

CONSTRUCTION COMPLETION
AUGUST 2020

SERVICES PROVIDED

CIVIL
SURVEYING
CONSTRUCTION MANAGEMENT
PROJECT MANAGEMENT

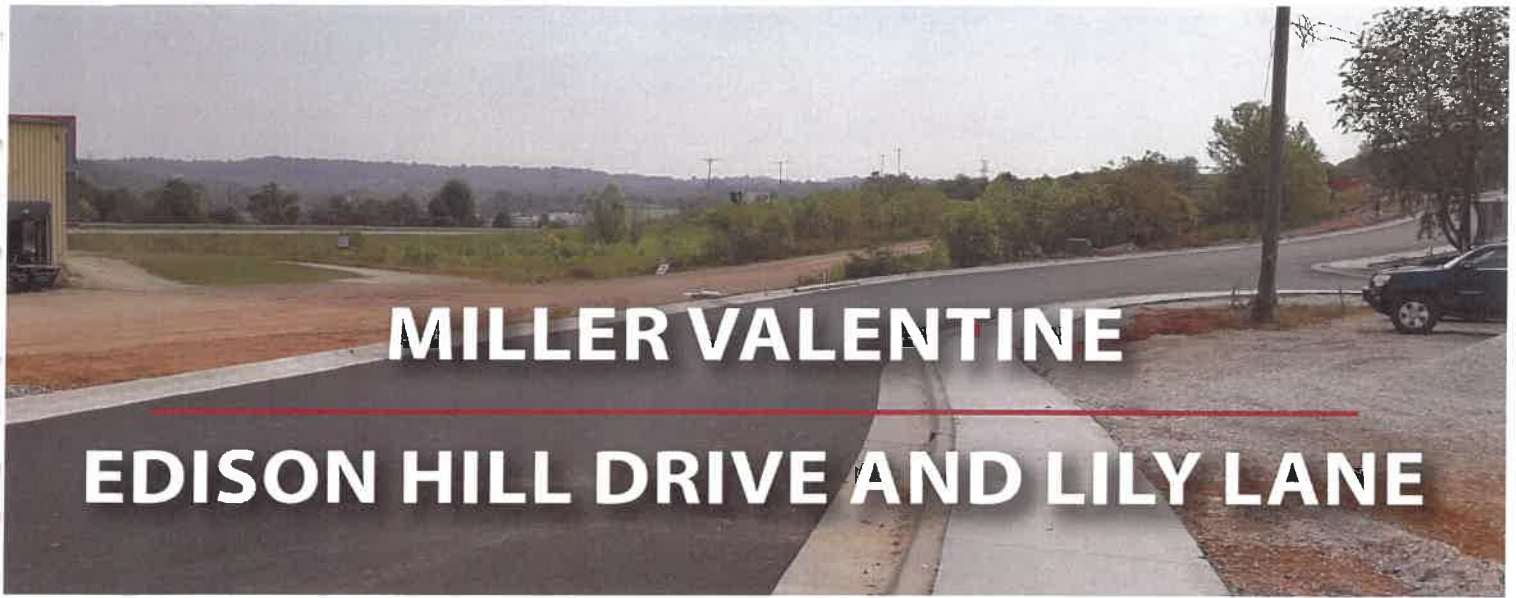
CLIENT CONTACT

JEFFREY GARDNER
OPERATIONS MANAGER
P) 304-652-2300
E) JGARDNER@NWPIPE.COM

Northwest Pipe Company contracted with Pickering Associates to replace an existing 2" water line with a new 6" water line. The new line was connected to the existing Lubeck water line near Route 892, traveled under the existing CSX railroad, and continued West to the existing plant. The new line was also routed to create a loop around the plant with multiple taps to serve each building (total footage of new line was estimated to be around 5,000 LF).

Pickering Associates provided surveying and engineering services for the project. Approval and permits from various entities (CSX railroad, Lubeck PSD, Mon Power, etc.) were required. Bid documents including abridged on-drawing specifications were prepared.





MILLER VALENTINE

EDISON HILL DRIVE AND LILY LANE

PROJECT SPECS:

PROJECT COST

\$ 500,000

PROJECT ACREAGE

1.16 ACRES

DESIGN COMPLETION

OCTOBER 2016

CONSTRUCTION COMPLETION

DECEMBER 2017

SERVICES PROVIDED

CIVIL

SURVEYING

PROJECT MANAGEMENT

CONSTRUCTION ADMINISTRATION

CLIENT CONTACT

PAUL METZGER OWNER

P) (513) 588-1204

E) PAUL.METZGER@MVG.COM

Miller Valentine purchased five acres of undeveloped property in Parkersburg, W.Va. to construct a new housing development. The site included seven houses, four town house buildings, a club house and a playground. The project included approximately 2,000 LF of new city roadway and mainline utilities.

Pickering Associates was hired to provide civil engineering, surveying and environmental permitting services. Pickering created construction drawings for approximately 0.3 miles of new city streets in Parkersburg, West Virginia. Roadways included multiple intersections with city and WVDOT roadways, new sidewalks and terminated with a new cul-de-sac. The project required several permits to be obtained prior to beginning construction. Pickering assisted in obtaining these permits.

Pickering was responsible for all design aspects of the new roadways including new utility service lines for electric, water, sewer, natural gas, communications and storm sewer. Pickering was also responsible for relocating existing utilities to accommodate the new infrastructure. Pickering performed all necessary surveying services for the project including boundary survey, topographical and utility location surveys, ROW plans, subdivision platting and construction layout staking.





PROJECT SPECS:

PROJECT COST
PRIVATELY FUNDED

TOTAL LINEAR FOOTAGE
3,303

DESIGN COMPLETION
JANUARY 2016

CONSTRUCTION COMPLETION
MAY 2017

SERVICES PROVIDED

CIVIL
SURVEYING
CONSTRUCTION MANAGEMENT

CLIENT CONTACT

JASON NELSON
PRINCIPAL
P) (304) 428-2186
E) JASON.NELSON@FUSE.NET

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 developed 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.



PROJECT SPECS:

PROJECT BUDGET

\$

SQUARE FOOTAGE

28 ACRES

DESIGN COMPLETION

JULY 2022

CONSTRUCTION COMPLETION

TBD

The PM Company plans to develop approximately 28 acres near Washington Bottom in W.Va. The first parcel of the property to be developed will be for a light industrial use building. The building will be approximately 60,000 SF with loading docks (both recessed and at grade). The general dimensions of the building will be 200' x 300'. The Client has provided Pickering a preliminary layout of the building. The Client requested Pickering Associates to obtain soil borings and a geotechnical investigation based on the preliminary layout. The previously performed ALTA survey with topographical information will be used to locate the proposed building onto the site.

SERVICES PROVIDED

CIVIL

SURVEYING

Pickering Associates reviewed previously performed topographical survey of the property and conceptual site plans layout provided by the Client. After placing the proposed building on the site plan and determine soil boring locations, Pickering procured a geotechnical engineer and coordinated with them for subsurface investigation for building foundation design.

A total of six soil borings were planned for this project. Each boring extended 25 feet below existing ground. Pickering provided field staking of proposed soil boring locations for the geotechnical engineer once the preliminary layout was approved..

CLIENT CONTACT

JASON MINITE

PROJECT COORDINATOR

P) 304-483-8803

E) JASON@THEPMCOMPANY.COM



LARRY LANG EXCAVATING

FIRST COLONY DEVELOPMENT

PROJECT SPECS:

PROJECT COST
\$3 M

PROJECT ACREAGE
26 ACRES

DESIGN COMPLETION
FEBRUARY 2015

CONSTRUCTION COMPLETION
FALL 2020

SERVICES PROVIDED

CIVIL
CONSTRUCTION MANAGEMENT
PROJECT MANAGEMENT
ENVIRONMENTAL PERMITTING

CLIENT CONTACT

LARRY LANG
PRESIDENT
P) 740.984.4750
E) DOUBLELDOZER@LLDOZER.COM

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, along with the associated United States Army Corps of Engineers.

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.



WILLIAMSTOWN WATER AND SEWER MAIN LINE EXTENSIONS

PROJECT SPECS:

PROJECT COST
PRIVATE

SQUARE FOOTAGE
4,000 LINEAR FEET

DESIGN COMPLETION
FEBRUARY 2015

CONSTRUCTION COMPLETION
AUGUST 2015

SERVICES PROVIDED

CIVIL
SURVEYING
CONSTRUCTION MANAGEMENT
PROJECT MANAGEMENT

CLIENT CONTACT

JOHN ANDERSON
PROJECT MANAGER
P) (740) 236-6006
E) JOHN@MONDOBUILDING.COM

Pickering Associates worked with Mondo Building and Excavating to design approximately 4,000 linear feet of new water and sewer lines. These lines would extend the main line utilities from the City of Williamstown to a new commercial development. The project also includes the design of two sanitary sewer lift stations. Pickering Associates obtained all required permits including the City of Williamstown, WVDHHR, WVDEP and WVDOH. In addition, a railroad crossing was required for utilities. Pickering Associates coordinated with CSX for these.

Civil Engineering services included the following:

- Researching applicable requirements of governing authorities having jurisdiction
- Generating conceptual waterline alignment/routing
- Creating utility drawings of the proposed replacement projects and developing alignments
- Creating waterline profiles
- Creating waterline sections
- Details and on-drawing specifications
- Developing construction drawings and quantities
- Reviewing contractor submittals and
- Providing construction administration services throughout the project.



MARK WELCH, P.E.

DIRECTOR OF COMMERCIAL AND MUNICIPAL
DESIGN
CIVIL/STRUCTURAL ENGINEER

BACKGROUND:

EDUCATION

MARSHALL UNIVERSITY
M.S. ENGINEERING MANAGEMENT

WEST VIRGINIA UNIVERSITY
B.S. CIVIL ENGINEERING

LICENSES

PROFESSIONAL ENGINEER
W.VA., OHIO, LA., PA., IN., TENN.

YEARS EXPERIENCE

19 YEARS

“THE JOY OF ENGINEER-
ING IS TURNING TODAY’S
DREAM INTO
TOMORROW’S REALITY.”

- Project manager for Waste Water Treatment Plant Phase's 1 and 2 expansion at Marietta, Ohio.
- Designed a new storm sewer system for a higher education roadway project in Athens, Ohio.
- Designed storm water system and new grading layout for a fire department annex in Vienna, W.Va.
- Project Manager for approximately 2 miles of new waterline and sewer installation in Williamstown, W.Va.
- Project Manager and Construction Manager for a \$16 million-dollar capital improvement project at a manufacturing facility in West Virginia.
- Project Manager and Construction Manager for a \$14 million environmental compliance project at a manufacturing facility in West Virginia.
- Project Manager and Construction Manager for over 20 different capital improvement and maintenance projects at a manufacturing facility in West Virginia.
- Civil/Structural lead and Project Manager for the construction of a \$25 million-dollar NGL storage facility in Louisiana.
- Project Manager and Civil Engineer for a brownfield development of approximately 30 acres for a new manufacturing facility.
- Civil Engineer for a polymer recycling facility located in the Polymer Alliance Zone in Davisville, W.Va.
- Civil Engineer for an expansion of operations at a refinery in Marietta, Ohio.
- Lead Civil Engineer for a new 930 square foot equipment room addition for a cath lab renovation at a hospital in Parkersburg, W.Va.



SPENCER KIMBLE, P.E.

CIVIL ENGINEER
PROJECT MANAGER

BACKGROUND:

EDUCATION

MARSHALL UNIVERSITY

M.S. ENGINEERING MANAGEMENT

WEST VIRGINIA UNIVERSITY

B.S. CIVIL ENGINEERING

LICENSES

PROFESSIONAL ENGINEER

W.VA., OHIO

YEARS EXPERIENCE

18 YEARS

- Civil Engineer for approximately 3,925 linear foot waterline and meter replacement in Devola, Ohio.
- Civil Engineer for approximately 2 miles of new waterline and sewer line installation in Williamstown, W.Va.
- Civil Engineer for approximately 4,600 linear foot of waterline and meter replacement in Marietta, Ohio.
- Civil Engineer for Phase 1 and 2 of the Larry Lang First Colony Development.
- Civil Engineer for a new subdivision in Marietta, Ohio.
- Civil Engineer for a new retail business in Utica, Ohio.
- Civil Engineer for a new restaurant in Vienna, W.Va.
- Lead Civil Engineer for the design of \$1.8M physical therapy administrative building on Parkersburg, W.Va.
- Lead Civil Engineer for the design of two medical office buildings totaling approximately 30,000 SF near the traffic circle in Parkersburg, W.Va.
- Civil Engineer for two new \$8M full service maintenance facilities for state DOT operations.
- Lead Civil Engineer for construction of a new 4 story hotel in Parkersburg, W.Va.
- Civil Engineer for addition and renovation for the Emerson Public Library in Parkersburg, W.Va.
- Civil Engineer for addition and renovation for Mid Ohio Valley Technology Institute in Saint Marys, W.Va.
- Civil Engineer for addition and renovation for the Emerson Public Library in Parkersburg, W.Va.
- Civil Engineer for the addition of a new Chiller Plant to a hospital in Huntington, W.Va.
- Civil Engineer for the renovations to existing parking lots for a hospital in Parkersburg, W.Va.

A SHIP IN PORT IS SAFE,
BUT THAT IS NOT WHAT
SHIPS ARE FOR. SAIL OUT
TO SEA AND DO NEW
THINGS.

Rear Admiral Grace Hopper



JOE TUCKER, P.E.

STRUCTURAL ENGINEER
CONSTRUCTION ADMINISTRATION

BACKGROUND:

EDUCATION

OHIO UNIVERSITY
B.S. CIVIL ENGINEERING

LICENSES

PROFESSIONAL ENGINEER
W.VA. AND OHIO

YEARS EXPERIENCE

45 YEARS

- Structural Engineer for exterior masonry wall replacement for Meigs County Highway Department.
- Structural Engineer for the renovations of the Capitol Market in Charleston, W.Va.
- Structural review for equipment replacements at Cabell Huntington Hospital in Huntington, W.Va.
- Structural review of existing conditions for permit drawing to renovate shopping space for new tenant.
- Structural Engineer for elevator addition to the Arc of the Mid-Ohio Valley offices in Parkersburg, W.Va.
- Structural Engineer for elevator addition to the Oil and Gas Museum in Parkersburg, W.Va.
- Structural Engineer for water line upgrades to the Minnie Hamilton Health Services Grantsville Campus in Grantsville, W.Va.
- Civil and Structural review of Construction Documents for the Mountaineer Food Bank Expansion in Gassaway, W.Va.
- Structural assessment and review of college dormitory building to address slippage due to storm water in Parkersburg, W.Va.
- Civil and Structural design and site development for Marietta College softball and soccer fields in Marietta, Ohio.
- Structural engineering designs for renovations to install an elevator in a private residence.
- Project Manager for new pedestrian bridge crossing Sandy Creek and connecting the City of Ravenswood W.Va. to Ravenswood River Front Park.

“OPPORTUNITY IS MISSED
BY MOST PEOPLE
BECAUSE IT IS DRESSED
IN OVERALLS AND LOOKS
LIKE WORK.”

Thomas A. Edison



JEFFREY HOSEK, P.E. LEED AP

ARCHITECTURAL AND ENGINEERING MANAGER
PRINCIPAL MECHANICAL ENGINEER

BACKGROUND:

EDUCATION

UNIVERSITY OF AKRON
B.S. MECHANICAL ENGINEERING

LICENSES

PROFESSIONAL ENGINEER
W.VA., OHIO, KY., PA., LA., VA., MINN.
LEED AP (BD&C)

YEARS EXPERIENCE

25 YEARS

- Lead Mechanical Engineer and Project Manager for the renovation of an existing HVAC system at a primary and middle school in Elizabeth, W.Va.
- Project Manager and Mechanical Engineer for the revision of exhaust duct system in the Welding Shop of Wood County Technical Center.
- Project Manager and Mechanical Engineer for renovations to Wood County Schools in West Virginia.
- Mechanical Engineer of record for the conversion of a multi-unit HVAC system at the Caperton Center on the campus of West Virginia University in Parkersburg, in Parkersburg, W.Va. Mechanical Engineer of record for the design of a new \$25M high-rise dormitory at Glenville State College, in Glenville, W.Va.
- Project Manager for intense study to assess redundant cooling to Ohio University's Computer Center in Athens, Ohio.
- Project Manager and Lead Mechanical Engineer for the demolition and installation of new sterilization equipment for Ohio University 'The Ridges' Konneker Research Lab.
- Project Manager and Mechanical Engineer for a new Career Center in Groveport, Ohio.
- Project Manager and Mechanical Engineer for Olentangy School District in Columbus, Ohio for three new elementary schools, one new middle school and one new high school.
- Project Manager and Mechanical Engineer for Ironton City Schools in Ironton, Ohio for a new elementary school and a new middle school.
- Project Manager and Mechanical Engineer for renovations performed at Ohio University's Glidden Hall in Athens, Ohio.

SOMETIMES THE QUESTIONS ARE COMPLICATED AND THE ANSWERS ARE SIMPLE.

Dr. Seuss



CARL HENSON, P.E.

ELECTRICAL ENGINEER

BACKGROUND:

EDUCATION

NEW JERSEY INSTITUTE OF TECHNOLOGY

M.S. ELECTRICAL ENGINEERING

WEST VIRGINIA INSTITUTE OF TECHNOLOGY

B.S. ELECTRICAL ENGINEERING

LICENSES

PROFESSIONAL ENGINEER

W.VA., OHIO, PA., IN., LA.

YEARS EXPERIENCE

42 YEARS

- Electrical Engineer of record and lead designer of commercial power systems.
- Electrical Engineer of record and designer for fire alarm systems.
- Lead Electrical Engineer in designing high voltage (138-69kV) substations.
- Electrical Engineer for the design and installation of two new cooling towers on the main hospital and the installation of a redundant tower on the adjacent medical office building.
- Electrical Engineer of record for the South Pavilion Expansion at Marietta Memorial Hospital.
- Provided Electrical design of a new quality control laboratory with combined administrative facilities and adjacent firehouse for a local industrial client in Belpre, Ohio.
- Provided Electrical design for a new \$7MM medical office facility in Parkersburg, West Virginia.
- New \$20M Emergency Department Expansion with private acute care rooms connected with the hospital's North and South Tower.
- Program Manager for all Arc Flash studies done for various industrial companies throughout the Mid-Ohio Valley utilizing SKM software.
- Supervising Engineer for leading polymer manufacturing facilities in Belpre, Ohio for six years and Marietta, Ohio for eight years.

“ONE MAN’S ‘MAGIC’ IS ANOTHER MAN’S ENGINEERING.
'SUPERNATURAL' IS A NULL WORD.”

Robert A Heinlein



DAVID BOGGS, P.E.

EXECUTIVE VICE PRESIDENT
PRINCIPAL MECHANICAL ENGINEER

BACKGROUND:

EDUCATION

MARSHALL UNIVERSITY
M.S. ENGINEERING MANAGEMENT

VIRGINIA TECH.
B.S. MECHANICAL ENGINEERING

LICENSES

PROFESSIONAL ENGINEER
WV & OH

YEARS EXPERIENCE

29 YEARS

- Project Manager and Plumbing Engineer of record for the MEP services on a \$25MM high-rise dormitory in Glenville, W.Va.
- Project Manager and Plumbing Engineer of record for a dual boiler system replacement to a school in Parkersburg, W.Va.
- Project Manager and Plumbing Engineer of record for a potable water system repair in an elementary school in Vienna, W.Va.
- Project Manager for the conversion of a multi-unit HVAC system into a more efficient single unit system on a university campus in Parkersburg, W.Va.
- Project Manager and Lead Mechanical/Plumbing Engineer for multiple dormitory bathroom renovation projects at a college in Marietta, Ohio.
- Project Manager and Lead Mechanical Engineer for multiple projects at Ohio University in Athens, Ohio.
- Lead Mechanical/Plumbing Engineer of record for a new \$7MM medical office facility in Parkersburg, W.Va.
- Lead Mechanical/Plumbing Engineer of record for a \$1MM medical/dental office facility in Parkersburg, W.Va.
- Lead Mechanical/Plumbing Engineer of record on the design of a new science facility on a university campus in Vienna, W.Va.
- Lead Plumbing Engineer of record for a new 5,400 sq. ft. medical office building located in Belpre, Ohio.
- Lead Mechanical/Plumbing Engineer for a new medical facility located in Marietta, Ohio.

DETERMINE THAT THE
THING CAN AND SHALL
BE DONE, AND THEN WE
SHALL FIND THE WAY.

Abraham Lincoln



JAMES R. WARK

SENIOR PROJECT MANAGER
MECHANICAL DESIGNER
PROJECT MANAGEMENT
CONSTRUCTION ADMINISTRATOR
CONSTRUCTION INSPECTION

BACKGROUND:

EDUCATION

WASHINGTON TECHNICAL COLLEGE
A.S. APPLIED BUSINESS

LICENSES

STATE OF OHIO CERTIFIED JOURNEYMAN
PIPEFITTER/PLUMBER

YEARS EXPERIENCE

45 YEARS

- Construction administrator and inspection for Waste Water Treatment Plant Phase's 1 and 2 expansion at Marietta, Ohio.
- Additional projects have included piping arrangement and design for Eureka Hunter Carbide Compressor site in West Virginia and piping design at Eramet in Marietta, Ohio
- Project administrator and site inspection for the Putnam Community Water Corporations water plant expansion.
- City of Pataskala Project Representative for construction of a new 1.5 MG water plant.
- City of Pickerington Construction Manager/Inspector for the expansion of the existing 1.5 MGD plant to 3.5 MGD.
- Columbus Zoo and Aquarium Construction Inspection for the construction of a new water plant.
- City of Marietta Construction manager and site inspection for a 2 million gallon storage tank and pipeline.
- City of Pickerington Construction Administrator and Construction Inspection for 32,000 square foot Police Station and jail.
- City of Gahanna Project Representative for \$2.5M road widening project which was first phase for a future ODOT bridge project.

IT IS QUITE POSSIBLE TO
WORK WITHOUT RESULTS
BUT NEVER WILL THERE BE
RESULTS WITHOUT WORK.



ANDREW MOMMESSIN

ENVIRONMENTAL SPECIALIST

BACKGROUND:

EDUCATION

TEXAS A&M
B.S. ENVIRONMENTAL GEOSCIENCE

DUTIES

CIVIL DESIGN
ENVIRONMENTAL PERMITTING
ENVIRONMENTAL REVIEWS

YEARS EXPERIENCE

2 YEARS

FAR AND AWAY THE BEST
PRIZE THAT LIFE HAS TO
OFFER IS THE CHANCE TO
WORK HARD AT WORK
WORTH DOING

Theodore Roosevelt

- Environmental Specialist gathering field samples to maintain permit for Herons Nest Marina located in Williamstown, W.Va.
- Environmental Specialist for Bikepath Slip Repair located in Marietta, Ohio.
- Environmental Specialist and Civil Designer for WVDEP permitting and associated sediment and erosion control for three athletic fields located in Charleston, W.Va.
- Environmental Specialist and Civil Designer for a stormwater masterplan and permitting for a commercial site located in Parkersburg, W.Va.
- Environmental review of site development for approximately 28 acres located in Washington Bottom, W.Va.
- Civil design for a site development feasibility study of the Fort Boreman area for the City of Parkersburg.
- Civil design for a new Southwood Park Pool for the City of Parkersburg.
- Civil design for site development for a new parking lot located next to City Hall in Marietta, Ohio.
- Civil design for Campus Site Planning for WVDA Guthrie Agriculture Center located in Charleston, W.Va.
- Civil design and permitting for Bank Stabilization for an industrial facility near Newport, Ohio.
- Civil design for site plan for a proposed housing development in Vienna, W.Va.
- Conceptual design for resort for ATV lodge located in Matewan, W.Va.



WILLIAM SHOWALTER, P.S.

SURVEYING DEPARTMENT MANAGER
PROFESSIONAL SURVEYOR

BACKGROUND:

EDUCATION

OHIO UNIVERSITY
B.S. CIVIL ENGINEERING

LICENSES

PROFESSIONAL SURVEYOR
WV [REDACTED] / OH [REDACTED]

YEARS EXPERIENCE

27 YEARS

- Lead Surveyor for Marietta Waste Water Treatment Plant
- Lead Surveyor for City of Marietta Waterline Expansion Projects
- Lead Surveyor on First Colony Center commercial development, Marietta, Ohio.
- Lead Surveyor for Ohio University Steam Plant Line Expansion project.
- Lead Surveyor for Bens Run Industrial Park Teal Alloy Facility
- Lead Surveyor for City of Marietta Green Street Widening Project.
- Lead Surveyor for new Masonic Lodge 36th Street
- Lead Surveyor for City of Vienna Pond Run Alignment
- Lead Surveyor for City of Vienna Johns Manville Acquisition
- Lead Surveyor for City of Vienna Carbon Unit Additions
- Lead Surveyor for Harbor Point Marina and Business Park
- Lead Surveyor for Courtyards Addition to Williamstown
- Lead Surveyor for The Fields Addition to Williamstown
- Lead Surveyor for Donatos Pizza Marietta Facility
- Lead Surveyor for City of Marietta Alley Reconstruction Projects
- Lead Surveyor for City of Marietta Nelson Property Acquisition
- Lead Surveyor for City of Marietta State Route 60 Widening Project.
- Lead Surveyor for City of Marietta Green Street Widening Project.

“WE ALL LIVE UNDER THE
SAME SKY, BUT WE DON'T
ALL HAVE THE SAME
HORIZON.”

Konrad Adenaur



REFERENCES



**CITY OF
PARKERSBURG**
City of Parkersburg
Parkersburg, W.Va.

Tom Joyce, Mayor of Parkersburg
(P) (304) 464-5282



**Putnam Community Water
Corporation**
Marietta, Ohio

Jay Huck, Business Manager
(P) (740) 373-0975
(E) jhuck@putnamwater.com



City of Vienna
Vienna, W.Va.

Randall Rapp, Mayor of Vienna
(P) (304) 295-5070
(E) rcrapp@suddenlink.net



**Randolph County Development
Authority**
Elkins, WV

Robert L. Morris, Jr., Executive Director
(P) (304) 637-0803
(E) ROBBIE@RCDA.ORG



**Mark Mondo- Building and
Excavating, Inc.**
City, Ohio

John H. Anderson, Project Manager, Business
Development
(P) (740) 376-9396
(E) john@mondobuilding.com

Larry Lang Excavating, Inc.
Beverly, Ohio

Larry Lang, President
(P) (740) 984-4750
(E) doubledozer@lidozer.com

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CEOI 0310 DNR2400000009

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)

- ☐ Addendum No. 1
- ☐ Addendum No. 2
- ☐ Addendum No. 3
- ☐ Addendum No. 4
- ☐ Addendum No. 5

- ☐ Addendum No. 6
- ☐ Addendum No. 7
- ☐ Addendum No. 8
- ☐ Addendum No. 9
- ☐ 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



Authorized Signature

May 28, 2024

Date

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

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.

(Printed Name and Title) Mark Welch, Director of Municipal and Commercial Design

(Address) 11283 Emerson Avenue, Parkersburg, WV 26104

(Phone Number) / (Fax Number) (304) 464-5305 / (304) 464-4428

(email address) mwelch@pickeringusa.com

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that: I have reviewed this Solicitation/Contract 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/Contract 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 this bid or offer was made without prior understanding, agreement, or connection with any entity submitting a bid or offer for the same material, supplies, equipment or services; that this bid or offer is in all respects fair and without collusion or fraud; that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; 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.

By signing below, I further certify that I understand this Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law; and that pursuant to W. Va. Code 5A-3-63, the entity entering into this contract is prohibited from engaging in a boycott against Israel.

Pickering Associates

(Company) 

(Signature of Authorized Representative)

Mark Welch, Director of Municipal and Commercial Design 5/31/24

(Printed Name and Title of Authorized Representative) (Date)

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

(Phone Number) (Fax Number)

mwelch@pickeringusa.com

(Email Address)