



UTILITY INFRASTRUCTURE PROJECT HIGHLIGHTS

**PICKERING
ASSOCIATES**

Architects • Engineers • Surveyors

EST. 1988

OUR MISSION

Pickering Associates is a multi-disciplined professional architectural, engineering and surveying firm providing quality services that meet or exceed our clients' expectations. We are committed to the professional development and technical advancement of our employees. We will continuously improve the delivery of our services through innovation and an entrepreneurial spirit.



ABOUT THE COMPANY

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

WHAT FULL SERVICE MEANS

Being a full-service firm, we are able to provide a better coordinated project than those firms using outside consultants. Using regularly scheduled, in-house design coordination meetings, our teams are easily able to discuss and resolve 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 indirect methods of communication. Our close coordination efforts have proven valuable in many cases where projects are schedule-driven and/or complex, thus requiring the effort and coordination of several disciplines.

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

LEADERSHIP

V.P. of Marketing & Development	C.E.O. & President	Executive V.P. of Design
Traci Stotts, AIA, NCARB Architect	Ryan Taylor Sr. Project Manager	David Boggs, P.E., CPD Sr. Mechanical Engineer
V.P. of Projects	V.P. of Construction	
Zac Campbell, P.M.P. Sr. Project Manager	Mark Welch, P.E. Sr. Project Manager	

DEPARTMENT LEADS

Civil Engineering	Electrical Engineering	Mechanical Engineering
Spencer Kimble, P.E.	Carl Henson, P.E.	Jeff Hosek, P.E. LEED AP (BD+C)
Piping Engineering	Structural Engineering	Architecture
Patrick Flora, E.I.	Eric Smith, P.E.	Traci Stotts, AIA, NCARB
Building Information Modeling	Construction Administration	Surveying
Chris Algmin, AIA, NCARB	Ronald Arnold	Bill Showalter, P.S.

BRANCH MANAGERS

Athens	Fairmont	Charleston
John Bentz, P.E.	Pamela Wean, AIA	Sean Simon, AIA, NCARB



MONDO BUILDING & EXCAVATING, LLC

MAIN LINE EXTENSIONS TO MARINA

PROJECT SPECS:

PROJECT COST
PRIVATE

PROJECT LENGTH
9,260 LINEAR FEET (SEWER)
6,000 LINEAR FEET (WATER)

DESIGN COMPLETION
FEBRUARY 2015

CONSTRUCTION COMPLETION
AUGUST 2015

Pickering Associates worked with Mondo Building and Excavating to design new water and sewer lines along Route 14 in West Virginia. 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, permitted through CSX, was required for utilities. Services included performing topographical surveys, generating detailed construction drawings (alignment, profiles, and sections), coordination with appropriate entities, and contractor submittal review.

Client Contact:

*Mark Mondo, Owner
Mondo Building & Excavating*

General Contractor:

Mondo Building & Excavating

PA Services Provided:

*Surveying
Civil Engineering
Construction Administration*





CITY OF MARIETTA

HADLEY LANE /SHERRY DRIVE WATERLINE REPLACEMENT

PROJECT SPECS:

PROJECT COST
\$785,600

LINEAR FOOTAGE
4,550 TOTAL LINEAR FOOT

DESIGN COMPLETION
APRIL 2016

CONSTRUCTION COMPLETION
OCTOBER 2016

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 assisted with surveys to gather topographical information and existing rights-of-way, as well as As-Built conditions once the project was complete. Civil design included code review, proposed water-line routings, hydrant locations, appropriate valve separations at tie-ins, and required pavement rehabilitation measures. Basis of design was directional bore. In order to assist contractors and minimize cost overruns to the owner, geotechnical borings were performed by the owner and logs shown on plan.

Client Contact:

Eric Lambert, Project Manager
City of Marietta

General Contractor:

TAM Construction

PA Services Provided:

Surveying
Civil Engineering
Construction Administration





CITY OF MARIETTA WASTEWATER TREATMENT PLANT UPGRADES

PROJECT SPECS:

PROJECT COST
\$14 MILLION

TOTAL ACREAGE
7+ ACRES

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.

Client Contacts:

Joseph Tucker, City Engineer
Steve Elliott, WWTP Superintendent
City of Marietta

General Contractor:

Orders Construction

PA Services Provided:

Surveying

Civil, Mechanical, Structural Engineering
Electrical Engineering / Controls
Project Management
Bidding Assistance
Construction Administration





PUTNAM COMMUNITY WATER CORP.

WATERLINE REPLACEMENT

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)

Pickering Associates worked with the Putnam Community Water Corporation (PCWC) to replace the existing waterlines along several roads in the Devola, OH. Roads included in previous designs were Keeler Drive, Clark Drive, Walnut Drive, Milton Road, Robson Road, and Chevy Chase Manor for a total of 7,036 LF. The projects were a mix of open cut and directional bore. This helped to minimize any disturbance to the local residence.

Pickering services included surveying services to establish locations of existing utilities, rights-of-way and topographical work, detailed construction plan generation (plan/profile), and construction inspections to review project progress.

Client Contact:

Jay Huck, Business Manager
Putnam Community Water Corp.

General Contractor:

DV Weber Construction

PA Services Provided:

Surveying
Civil Engineering
Construction Administration



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CITY OF MARIETTA

HARMAR VILLAGE / POST STREET

SANITARY SEWER REPAIRS

PROJECT SPECS:

PROJECT COST
\$658,148

LINEAR FOOTAGE
APPROX. 50' (REPAIR)
4,468' (LINED)

DESIGN COMPLETION
MARCH 2019

CONSTRUCTION COMPLETION
ONGOING

The City of Marietta experienced sinkholes due to failing sanitary lines throughout the city. Pickering Associates was requested to provide detailed construction drawings to repair five (5) locations.. With the excessive depth posing potential constructability 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.

During design, Pickering Associates provided construction drawings for all repairs (excavated pipe, lined, and pavement). In addition, Pickering provided bidding assistance, assisted with the Ohio Water Development Authority loan application, and performed Construction Administration.

Client Contacts:

Joseph Tucker, City Engineer
Steve Elliott, WWTP Superintendent
City of Marietta

General Contractor:
Insight Pipe Contracting



PA Services Provided:
Surveying

Civil Engineering
Bidding Assistance
Project Management
Construction Administration



BROUGHTON COMMERCIAL PROPERTIES, LLC

SANITARY SEWER LINE INSTALLATION

PROJECT SPECS:

PROJECT COST
PRIVATELY FUNDED

LINEAR FOOTAGE
8,500 LF

DESIGN COMPLETION
APRIL 2019

CONSTRUCTION COMPLETION
AUGUST 2019

Pickering Associates was hired by Broughton Commercial Properties, LLC to design a new sanitary sewer mainline extension to three existing complexes near Marietta, Ohio. The sewer line was designed to 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.

Client Contact:

*George Broughton, Owner
Broughton Commercial Properties*

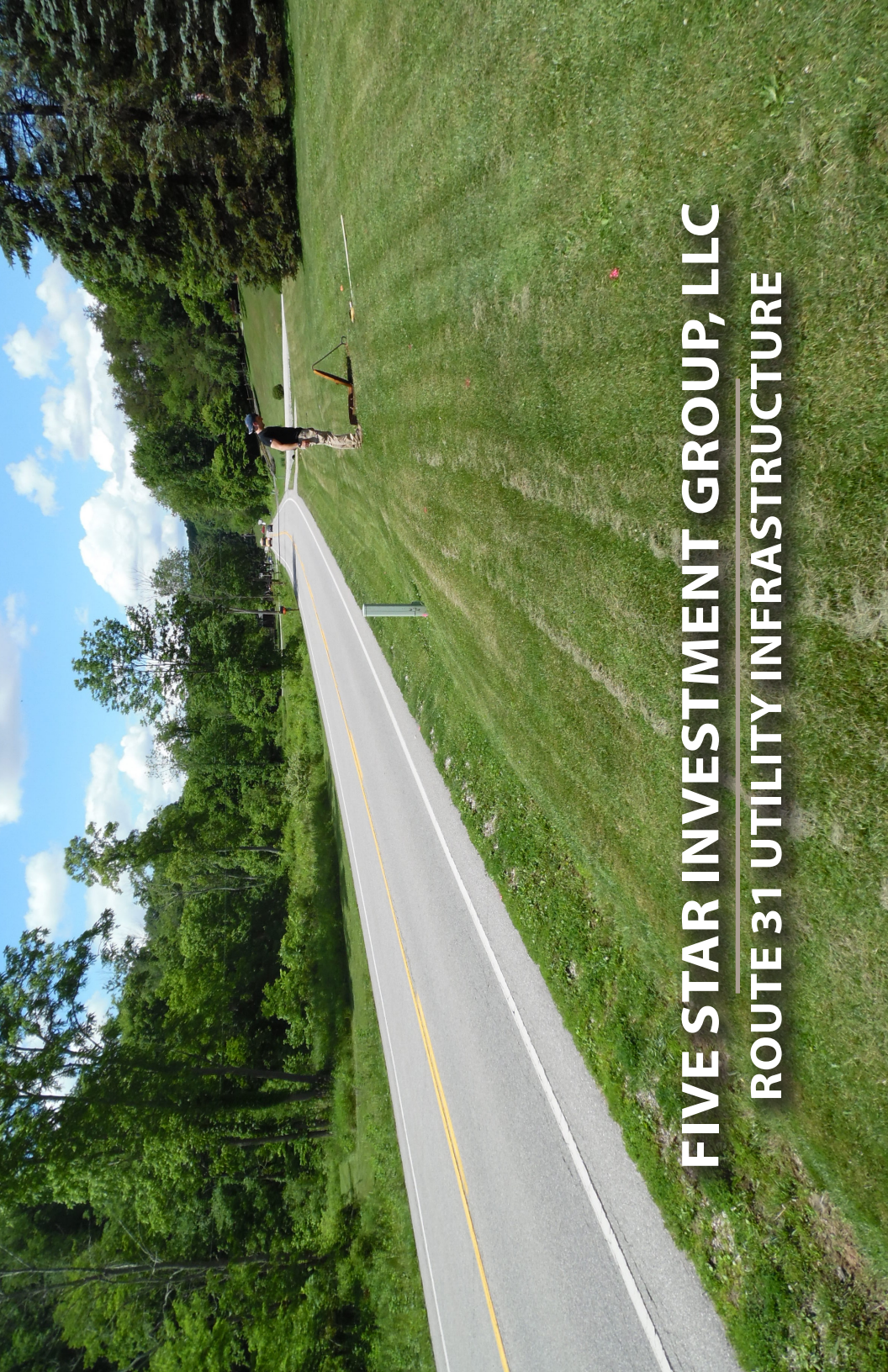
General Contractor:

*Doug Lowe Construction
& Excavating, LLC*

PA Services Provided:

*Surveying
Civil Engineering
Electrical Engineering*





FIVE STAR INVESTMENT GROUP, LLC ROUTE 31 UTILITY INFRASTRUCTURE

PROJECT SPECS:

PROJECT COST
PRIVATELY FUNDED

TOTAL LINEAR FOOTAGE
3,303 LF

DESIGN COMPLETION
JANUARY 2016

CONSTRUCTION COMPLETION
MAY 2017

Pickering Associates provided civil engineering and surveying services for an 80-acre development along Route 31 in Wood County. 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. Civil engineering services included preparation of construction drawings, 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.

Client Contact:

*Jason Nelson, Principal
Five Star Investment Group, LLC*

PA Services Provided:

*Surveying
Civil Engineering
Construction Management*





JACKSON CO. DEVELOPMENT AUTHORITY

JCMIC UTILITY & RAIL IMPROVEMENTS

PROJECT SPECS:

PROJECT COST
\$2.3 MILLION

SQUARE FOOTAGE
1,900 LINEAR FEET

DESIGN COMPLETION
OCTOBER 2011

CONSTRUCTION COMPLETION
JUNE 2012

The Jackson County Maritime and Industrial Center (JCMIC) contacted Pickering Associates to help expand services to a new tenant in the park. Services included expansion of the existing rail and to bring water, sewer gas, electric, and communication services to the new tenant. The total length of this utility line expansion was 1,900 ft. and included a new sanitary sewer lift station. This project was split into three construction bid packages: 1) Gas, Water, and Sewer underground utility design, 2) General Site Work, Grading, and Drainage for the Rail installation, 3) Rail Design per CSX Standards. Pickering Associates provided project management, engineering design, and construction administration for all three bid packages.

Client Contact:

*Mark Whitley, Executive Director
Jackson Co. Development Authority*

PA Services Provided:

*Civil Engineering
Construction Management
Project Management*



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MILLER VALENTINE EDISON HILL DRIVE / LILY LANE UTILITY EXPANSION

PROJECT SPECS:

PROJECT COST
\$ 500,000

PROJECT ACREAGE
1.16 ACRES

DESIGN COMPLETION
OCTOBER 2016

CONSTRUCTION COMPLETION
DECEMBER 2017

Miller Valentine purchased five acres of undeveloped property in Parkersburg, WV to construct a new housing development. The site included town house buildings, a club house and a playground.

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. The water and sewer extensions for the project accounted for approximately 1,175lf of new 8" diameter water line and 730lf of new sanitary piping. Both of these utilities would tie into infrastructure operated by Parkersburg Utility Board, whom would assume responsibility for the new mainlines after construction.

Client Contact:

*Paul Metzger, Dev. Project Manager
Miller-Valentine Group*

General Contractor:

J.C. Bosley Construction, Inc.

PA Services Provided:

*Surveying
Civil Engineering
Construction Management
Project Management*





LARRY LANG FIRST COLONY DEVELOPMENT

PROJECT SPECS:

PROJECT COST
\$3 M

PROJECT ACREAGE
26 ACRES

DESIGN COMPLETION
FEBRUARY 2015

CONSTRUCTION COMPLETION
JUNE 2018

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. 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. The development is now home to two hotels, along with a Tractor Supply, Wings etc, and IHOP.

Client Contact:

Larry Lang, President
Larry Lang Excavating

General Contractor:

Larry Lang Excavating

PA Services Provided:

Surveying
Civil Engineering
Construction Management
Project Management





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We look forward to partnering with you on your next project!

Athens

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Marietta

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