

May 14, 2019

Attn: Mr. Guy Nisbet
2019 Washington Street East
Charleston, WV 25305

*RE: WVDNR - DNR19*011 North Bend/Cokeley Branch Campground Improvement Project*

Dear Mr. Nisbet and members of the selection committee:

One of the many great things about West Virginia is its unmatched natural beauty. Our State Park system is one of the most prominent ways the state showcases this beauty to locals and travelers alike. The Thrasher Group wants to help improve the experience of these adventurers by partnering with North Bend State Park to extend their existing sewer service and add floating boat dock slips to the park.

Our team has broad technical experience in both utility and site engineering. Our Utility team has performed countless wastewater extensions in our 36 year history. We have seen every obstacle that may arise and can plan for your specific needs. Our team is well versed on your project site - I was a part of the design and construction of the existing plant.

Our Site Division also has a broad range of expertise and has worked with the WVDNR on several projects, including similar boat-related projects. No matter what challenges you're facing, Thrasher will work with you side-by-side to ensure ease for the long-term operation of the park.

We appreciate the role that North Bend State Park plays in promoting our state, and we are excited to have an opportunity to be a part of the work that you do. We feel that the enclosed materials will show you how Thrasher can add value to your project, and we look forward to the opportunity to do so.

Sincerely,
THE THRASHER GROUP, INC.



Steve Buchanan, PE, PS
Project Manager

RECEIVED

2019 MAY 20 AM 9:36

WV PURCHASING
DIVISION

REQUIRED FORMS

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.

RMilne

(Name, Title)
Robert Milne, PE, Principal

(Printed Name and Title)
600 White Oaks Blvd. | Bridgeport, WV 26330

(Address)
304-624-4108 | 304-624-7831

(Phone Number) / (Fax Number)
rmilne@thethrasher.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contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated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.

The Thrasher Group

(Company)

RMilne

(Authorized Signature) (Representative Name, Title)

Robert Milne, PE, Principal

(Printed Name and Title of Authorized Representative)

May 13, 2019

(Date)

304 3266141

(Phone Number) (Fax Number)

Revised 01/24/2019

West Virginia Ethics Commission
Disclosure of Interested Parties to Contracts
(Required by W. Va. Code § 6D-1-2)

Name of Contracting Business Entity: The Thrasher Group Address: 600 White Oaks Blvd.
Bridgeport, WV 26330

Name of Authorized Agent: Robert Milne, PE Address:

Contract Number: DNR 19000000011 Contract Description: BOI - North Bend Cokely Branch

Governmental agency awarding contract: West Virginia Division of Natural Resources

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.

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: [Handwritten Signature] Date Signed: May 13, 2019

Notary Verification

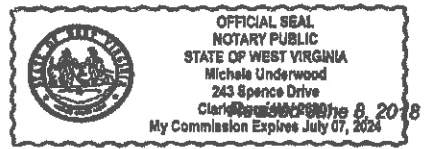
State of WV, County of HARRISON

I, ROBERT MILNE, PE, 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 13th day of MAY, 2019.

[Handwritten Signature] Notary Public's Signature

To be completed by State Agency:
Date Received by State Agency:
Date submitted to Ethics Commission:
Governmental agency submitting Disclosure:



STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

CONSTRUCTION CONTRACTS: Under W. Va. Code § 5-22-1(l), 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 §6A-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: The Thrasher Group

Authorized Signature: [Signature] Date: May 13, 2019

State of WV

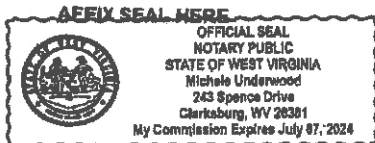
County of HARRISON, to-wit:

Taken, subscribed, and sworn to before me this 13 day of MAY, 2019.

My Commission expires JULY 7, 2024

NOTARY PUBLIC [Signature]

Purchasing Affidavit (Revised 01/18/2018)



ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.:

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 checked="" 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.

The Thrasher Group

Company _____

DAARNE
Authorized Signature

May 13, 2019
Date

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

Revised 01/24/2019

MISSION

To improve the communities where we live and work by driving infrastructure development.

CORE PRINCIPLES

Quality
Safety
Adaptability
Integrity



9

OFFICES

in six states:

West Virginia
Virginia
Pennsylvania
Ohio
Maryland
Kentucky



580

EMPLOYEES

34 Licensed
Professional Engineers

20 Licensed
Professional Surveyors

6 Licensed
Professional Architects



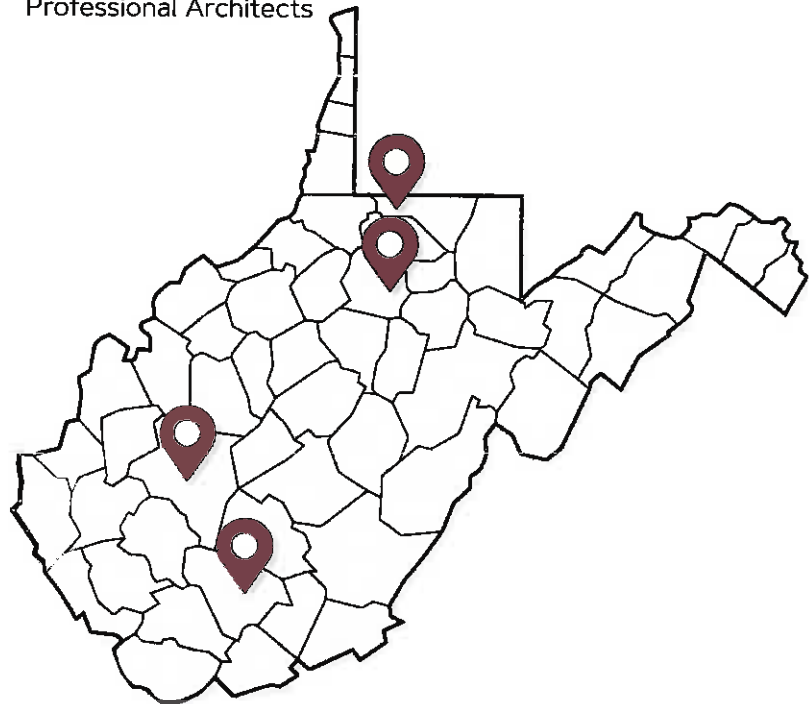
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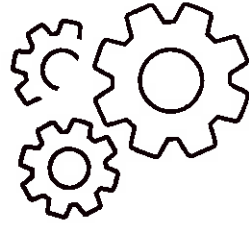
YEARS

of delivering
successful
projects

Main Point of Contact

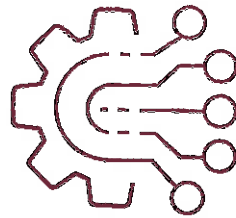
Steve Buchanan, PE, PS
Project Manager
sbuchanan@thethrashergroup.com
Cell: 304-844-8315
Office: 304-423-5321





SERVICES

- > Engineering
- > Environmental
- > Survey
- > Materials Testing and Inspection
- > Construction Management
- > Architecture



CORE MARKETS

- > Public/Private Utilities
- > Land Development
- > Highways and Roads
- > Industrial
- > Commercial
- > Oil and Gas
- > Education (K-12, Higher Ed)



CIVIL ENGINEERING

Water Treatment & Distribution

Thrasher brings experience, practical knowledge and advanced technology to clients ranging from regional to small communities' water systems. Our engineers have designed and managed the construction of hundreds of miles of water distribution lines, millions of gallons of storage, and numerous system rehabilitations that successfully reduced water loss and increased reliability.

Wastewater Collection & Treatment

Wastewater collection and treatment systems are vital to the health of rural communities and municipalities. Cost-versus-benefit Environmental and technological issues are all involved.

Stormwater Systems

Thrasher is prepared to take on challenges to make your stormwater management project a success. In the not so distant past, storm water management was not a significant issue. It was "out of sight, out of mind." That is no longer the case. Ever-increasing regulations, the creation of public storm water utilities, and the focus on downstream effects of development are pushing stormwater management issues to the forefront.

Site Development

Engineering for site development is far from a "one size fits all" approach. Every project is unique and requires a blend of technical expertise combined with quality planning principles, efficient design, market realities, and flexibility to seize opportunities. With our diverse staff, Thrasher has the right blend of talent to make your project a success.

Roadways & Bridges

From industries to local families, the nation depends on the strength of highways, bridges, and even pedestrian walkways. No matter what the mode of land transportation, Thrasher gets our clients where they want to be.



WASTEWATER COLLECTION AND TREATMENT

Thrasher has planned, designed, and supervised the construction of municipal, industrial, and individual wastewater collection and treatment projects throughout the entire Mid-Atlantic region. When designing a wastewater system, many factors - including the environment, technology, and cost-effectiveness - come into play. Wastewater system projects require both experience and a strong understanding of regulations and requirements.

Having successfully designed and completed wastewater system projects ranging from \$50,000 to \$50 million, the Thrasher team employs some of the most skilled and sought after professionals in the industry. Our approach allows us to develop unique solutions for our clients while providing a helping hand through difficult funding and regulatory hurdles.

Wastewater Services:

- > New Collection Systems and Extensions
- > Rehabilitation and Replacement of Existing Systems
- > Combined Sewer Overflow (CSO) Reduction
- > Long-Term Control Plans
- > Construction Monitoring
- > Wastewater Treatment Plant Design
- > Feasibility Studies
- > Facility Planning
- > Geographical Information Systems (GIS)
- > Inflow and Infiltration (I&I) Testing and Evaluation



SITE DEVELOPMENT

Engineering for site development is far from a “one size fits all” approach. Every project is unique and requires a blend of technical expertise, planning principals, efficient design, market realities, and the flexibility to seize opportunities. With our diverse staff, Thrasher has a winning combination of talent to take projects from design to reality.

At Thrasher, we understand that the design of a successful site development project must factor in economic landscape, political implications, and strategic planning that takes projects beyond engineering. The Thrasher team possesses expertise in every facet of development, including site selection and planning, grading, storm water management, erosion and sediment control, permitting, and infrastructure design.

We pride ourselves on being a partner in projects that improve the quality of life for residents and provide economic sustainability to communities.

Site Development Expertise:

- > Industrial and Business Parks
- > Mixed-Use Developments
- > Athletic Facilities
- > Federal Correctional Facilities
- > Streetscapes and Sidewalk Planning
- > Commercial Developments
- > Single and Multi-Family Residential Development
- > Primary, Secondary, and Higher Education Facilities
- > Recreational Resorts and Guest Lodging
- > Shopping Plazas



ENVIRONMENTAL PERMITTING

The Environmental Division of the Thrasher Group provides permitting, consulting, and assessment services to a multitude of clients spanning the Mid-Atlantic region. With a combined 40 years of permitting experience, Thrasher's Environmental Scientists, Permitting Leads, and Project Managers are able to take even the most complex and time restrictive projects and provide clients with cost effective and timely solutions.

Federal Permitting

- > National Historic Preservation Act - Section 106 Consultation
 - > *State Historic Preservation Office or Division of Culture and History*
- > Endangered Species Act - Section 7 and Section 9 Consultations
 - > *United States Fish and Wildlife Service*
- > Clean Water Act - Section 404 Permits
 - > *United States Army Corps of Engineers*

- > National Environmental Policy Act - Categorical Exclusions, Environmental Assessments, and Short Environmental Assessment Forms
 - > *United States Army Corps of Engineers; Federal Aviation Administration; Division of Transportation; and Federal Communications Commission*

State and Local Permitting

- > State Responsible Regulations of the Clean Water Act - Section 401 and 402 Permits
- > State Level Rare, Threatened, or Endangered Species Consultations
- > State Level Aquatic Resource Encroachment and Impact Permits
- > State Level Roadway Encroachment, Crossing, and Occupancy Permits
- > State Level Industrial Waste Discharge Permits
- > Local Level Floodplain or Building Permits



CONSTRUCTION ADMINISTRATION

Effective management of our projects ensures that both clients and contractors work in an efficient and safe manner. From pre-construction activities - such as bid conferences and surveys - to inspections, job progress reviews, and on through final completion, our goal is work that proceeds in accordance with plans and specifications.

At Thrasher, we inspect and manage a wide variety of projects designed by our firm in addition to projects for contractors and other designers. We have certified project representatives responsible for overseeing every element of design integrity. Our methods have earned the respect of not only our clients, but contractors and project owners alike.

Construction Inspection Services:

- > Construction Materials
- > Pipelines
- > Structural Steel & Concrete
- > Paving
- > Drainage
- > Embankments
- > Work Zone Safety & Traffic Control
- > Erosion and Soil Control

Quality Control and Assurance Methods:

- > Regularly Scheduled Planning and Progress Meetings
- > Engineering During Construction
- > Daily Logs and Progress Sheets
- > Cut Sheets
- > Quantity Tracking



A critical step in meeting your goals is first ensuring we understand them. Thrasher’s team has thoroughly reviewed the Expression of Interest request and is confident in our ability to deliver the highest-quality services. We are capable of meeting each goal/objective you have outlined and feel strongly that you will be satisfied with the outcomes you receive.

We understand your goals for the North Bend Cokeley Branch Campground Improvement project and will handle them in the following manner:

GOAL/OBJECTIVE 1

The Thrasher Group will review existing plans and conditions at North Bend State Park, allowing us to fully evaluate your existing wastewater treatment and collection system, the planned improvements to the collection system, and the proposed location of the boat dock slips. This evaluation will also include communication and planning to ensure minimal disruption to the facility’s operation.

GOAL/OBJECTIVE 2

Thrasher will provide all of the necessary services to design the improvements, and will keep all designs consistent with the Division of Natural Resource’s needs and objectives while adhering to all applicable codes and laws, as well as the project budget.

GOAL/OBJECTIVE 3

Construction Administration is always part of the Thrasher package. This is a piece that we feel is important to offer for every project, and we consistently bid more projects than any other firm in the state. Thrasher has the competent professionals your team needs to ensure your project is constructed correctly and functions as designed.

Communication during a project is a fundamental key to success. Thrasher will begin communication with the WVDNR immediately upon notification of award and will maintain effective lines of communication throughout the project. This will ensure that all parties involved - owner, contractor, and engineer - will always be apprised of the project happenings.

Communication During Design

Prior to the initiation of design services, Thrasher's Project Manager, Steve Buchanan, will discuss preferred methods of communication with the WVDNR's point of contact. Updates during the design phase can occur in numerous ways:

- > Weekly status updates via email
- > Weekly conference calls
- > Monthly progress meetings.

Our project teams are well versed in keeping our clients abreast of project status. We can customize your project's communication plans to best fit your teams' requirements.

Communication During Construction

Before construction begins, Steve will again meet with the WVDNR team to determine preferred communication tools for this phase of the project. Open, consistent communication will be paramount to keep the project on-time and within budget.

Additionally, Thrasher will conduct monthly progress meetings with the contractor, the WVDNR, and key project stakeholders throughout the duration of the project. Meeting minutes will be distributed to all attendees and any other agents identified by the WVDNR. Action items will be documented within the meeting minutes.

Throughout construction, Thrasher will have people on-site for project representation as well as material testing. Anytime a Thrasher employee is on site during construction, a field report will be prepared. Field reports will be reviewed by the engineering team and distributed to the WVDNR's construction representative on a weekly basis.

Thrasher's goal is always to complete projects on-time and within budget for our clients, and we have a long history of achieving that goal. Throughout this Expression of Interest, you will see projects that illustrate these qualities and represent successful outcomes.

While achieving this isn't always an easy task, our tried-and-true project approach is what consistently gets us to that end result.

Thrasher will establish a design kick-off meeting with the WVDNR and key members of our project team to review the project and clearly define the Scope of Services. Following contract approval, our team will take the following steps to ensure completion:

Step 1 - Site Visit

Your assembled team of engineers and technicians will conduct a site visit. This group will evaluate the project conditions and identify and document potential problem areas. We will coordinate with your team and any identified key stakeholders to take all the facts into consideration during this process.

Step 2 - Conceptual Design and Report

Thrasher will prepare a conceptual design for the needed services for the sewage collection improvements and boat dock slips at North Bend State Park. Where applicable, we will also provide design alternatives for consideration by the WVDNR. We will then prepare a written report of the conceptual designs and outline any issues.

Step 3 - Construction Documents

Our team will provide design solutions and construction documents to the appropriate personnel for the project. These plans will be carried forward to final design based upon the conceptual design report. Thrasher proposes to prepare two submissions - preliminary design and final design. The

preliminary design submission will be used to review the proposed project with the WVDNR. After review and comment, we will complete the final design documents based upon comments received and conclusions reached at the preliminary design review. Our field evaluations and design approach will specifically address these issues in the construction documents.

Step 4 - Cost Estimates

Our project team will provide itemized cost estimates at the following stages: conceptual design, preliminary design, and final design.

Step 6 - Bid Process

We will assist the WVDNR in preparation of the bid documents and will attend pre-bid meetings and assist in issuance of addenda.

Step 7 - Construction Administration

The project team will review project submittals, attend project meetings, and provide inspection of the construction being completed. The project team will also provide final punch list inspection at project completion.

Thrasher will also develop a program to keep the WVDNR abreast of potential construction issues. Our project team will prepare design repairs with the adjacent property owners in mind. We plan to address any issues that may arise through clear and concise construction notes, details, and specifications to ensure the safety of the workers and environment.

Step 8 - Project Close Out

Upon completion of the project, the Thrasher team will provide final as-built drawings in both CAD and PDF format to the WVDNR and any appropriate personnel as needed.

Scheduling:

Thrasher realizes the importance of establishing and maintaining project schedules. Time means money and making sure we help you spend your money wisely is our number one goal. Because of this, our team puts an emphasis on ensuring project timetables are met, and communication is upheld throughout the process.

To accomplish these goals, Thrasher utilizes specialized scheduling software to track every stage of a project - from design and bidding through construction completion. We also require contractors working on our projects to regularly update their project schedules and give a detailed progress report at each job meeting, again focusing on the communication component of scheduling. This helps to ensure all parties are informed and aware of potential delays. Keeping our owners up to speed with progress is our number one goal and ensures occupancy and owner supplied equipment are scheduled accordingly.

Budgeting:

Construction estimating and budgeting is the most important part of what Thrasher can provide you. Without accurate budgets, there is no tool to guide the design process, and issues will be inevitable. By including cost estimating as a part of the project scope from day one, we are able to avoid the issues before they arise and keep your project within a reasonable cost.

And our estimates go beyond the typical system - rather than simply providing cost per foot or lump sum price, Thrasher will provide contractor-grade estimates that look at every part of the project. We do detailed take-offs of materials and look at every man hour needed to complete a project and factor this in accordingly. Then, we use our thorough understanding of the local market and material costs to accurately design within your budget.



Palatine Park Master Plan and Improvements

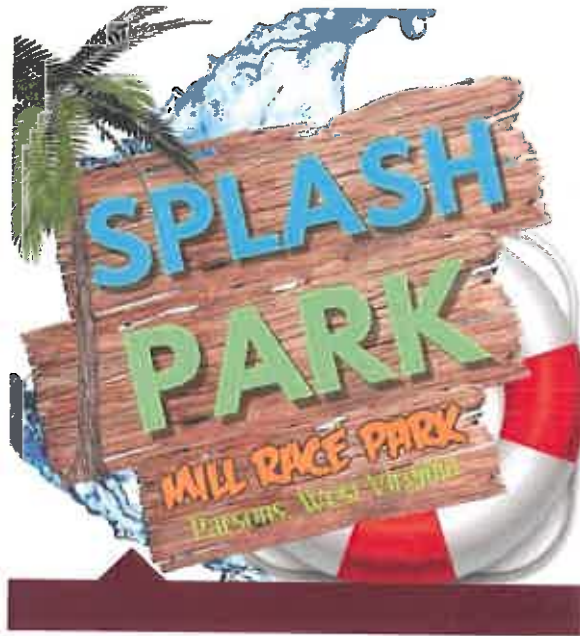
Client Contact:

Mr. Kris Cinalli, Marion County Administrator
200 Jackson Street | Fairmont, WV 26554
304-367-5425

Thrasher has had the pleasure of working with both the Marion County EDA and the West Virginia Division of Natural Resources on rehabilitation of an existing boat ramp and the addition of a new 3 lane boat ramp at Palatine Park in Fairmont, WV. For the EDA, the first phase of this project involved Thrasher developing a comprehensive master plan to help guide the County Commission to understand their long-term goals for the park.

After the master plan was complete, the Thrasher team began the design of a new splash park. The splash park opened in the Spring of 2014 and has quickly become a huge attraction for the community.

Most recently, Thrasher has been working with the Marion County EDA and the West Virginia Division of Natural Resources on existing and a new boat ramp projects, respectively, at Palatine Park. The revitalization of the existing single lane boat ramp, parking area and access at the western end of Palatine Park was designed and constructed Spring 2016. This was completed as part of Phase III of Palatine Park extension with the Marion County EDA. The new boat ramp facility project with the WV DNR began construction in early fall 2016 and was completed in the summer of 2017. This project features a new 3-lane boat ramp, parking and is fully ADA accessible.



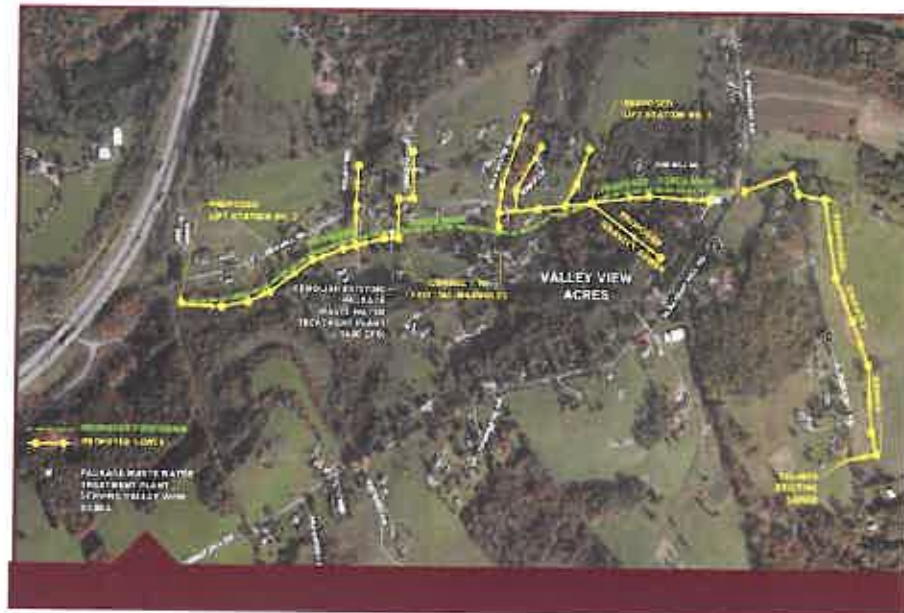
Parsons Splash Pad

Mr. Jason Meyers, City Administrator
341 Second Street | Parsons, WV 26287
304-478-2311

Thrasher teamed up with ARC and the City of Parsons to create a pirate themed splash pad within their Mill Race Park, that when out of season, can be used as an ice-skating rink. The splash pad is designed in a way that synthetic ice sheets can be placed down, and protective barriers put up to create an authentic ice-skating experience anytime of the year.



This plan also included installation of restrooms, filtration system building, perimeter fencing, and a 25-car parking lot. This facility is available free of charge for the public to utilize. The ribbon cutting for the splash park was held in 2016 and has been a staple of the community ever since.



Deckers Creek Public Service District - Dug Hill Road Sanitary Sewer

Client Contact:

Mr. Frank Blosser, Operations Manager
 236 Brookhaven Road | Morgantown, WV 26508
 304-296-6765

The Thrasher Group was hired by the Deckers Creek Public Service District to complete a sanitary sewer system extension and upgrade to the system along Dug Hill Road and Valley View Acres subdivision in Morgantown, West Virginia.

Property owners in the Valley View Acres Subdivision and nearby areas requested Decker's Creek Public Service District (DCPSD) to provide sanitary sewer collection service to this area. A project was undertaken by the DCPSD to extend service. It included the following:

- > Construction of a gravity sewer collection system
- > Construction of two new lift stations and force main
- > Connection of the existing Valley View Acres system to the DCPSD's new system via a gravity sanitary sewer
- > Disconnection and decommissioning of the existing Valley View Acres' wastewater treatment package plant.



Boy Scouts of America

Client Contact:

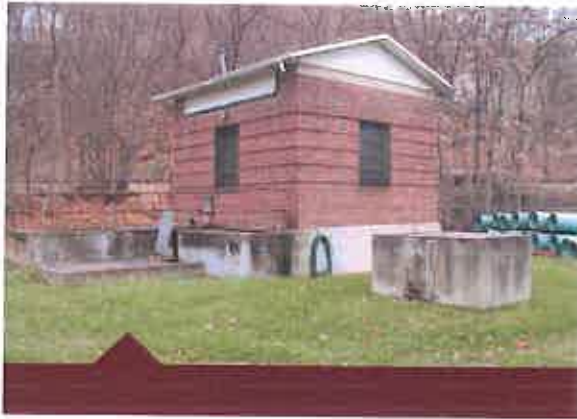
Mr. Rob Ridgeway

2550 Jack Furst Drive | Glen Jean, WV 25846

304-465-2800

The Thrasher Group has provided a wide variety of services for the Boy Scouts of America, from site development to architecture and everything in between. The Boy Scouts are creating a large site in Fayette County, West Virginia that will serve as a training, development, and meeting center and home to the 2019 World Scout Jamboree.

There are a variety of buildings on the site, as well as a separate Welcome Center. Thrasher's Utility Division has served a variety of them: the J.W. Marriot, Jr. Leadership Center, Fenneman Lodge, and the J.W. and Hazel Ruby Welcome Center. These sites all received potable water service and sewage collection and conveyance.



City of Piedmont Pearl Street Pump Station

Client Contact:

Mr. Ben Smith, Mayor

52 Second Street | Piedmont, WV 26750

304-813-2400

The City of Piedmont had a non-operational pump station on Pearl Street and an unpredictable plant pump station. The City hired Thrasher to provide engineering services to address these problems. Thrasher developed a project to eliminate both pump stations and use gravity, in conjunction with Muffin Monster Grinders, to transfer the sewage to the Upper Potomac River Commission (UPRC).

This project allowed the City to provide sanitary sewer collection to approximately 200 customers.





Town of Grantsville Sanitary Sewer Improvements

Client Contact:

Mr. James Bajcar, Operator

304-354-7804

The Town of Grantsville was experiencing issues with its sanitary sewer system. The Thrasher Group was hired to provide a variety of services for the Town to improve the sanitary service for its residents. The largest piece of this project was removing and replacing portions of the sanitary system. Thrasher also completed cure-in-place sewer line and manhole rehabilitation throughout the system. The Town of Grantsville's sanitary treatment plant also received a variety of upgrades.





**WEST VIRGINIA DIVISION OF
NATURAL RESOURCES**

Steve Buchanan, PE, PS
Project Manager

Travis Adams
Project Engineer

Robert Milne, PE
Site Task Manager

Caitlyn Preast, EI
Project Engineer

Sam Rich, PLA
Landscape Architect

Survey Services

Construction Services

Environmental Services

STEVE BUCHANAN, PE, PS

Project Manager



Education

Bachelor of Science,
Civil Engineering
West Virginia University

Registrations

Professional Engineer:

- > West Virginia
- > Maryland
- > Pennsylvania
- > Ohio

Professional Surveyor

- > West Virginia

Steve Buchanan, PE has over three decades of professional experience working on various municipal projects all throughout the Mid-Atlantic region. Steve holds licensure in both engineering and surveying, which has given him the ability to develop projects with a comprehensive understanding of the technical components, as well as land restrictions and site considerations

Over the years, Steve has primarily been involved with public utility projects, and has worked on a wide array of jobs including stormwater management, site planning, hydrologic and hydraulic analysis, wastewater collection system design, water distribution systems, and highway engineering. Steve is heavily involved in all facets of his projects; he manages project design, funding applications, mapping development, and construction coordination for numerous municipalities.

Experience

**Deckers Creek Public Service
District Dug Hill Road
Sanitary Sewer System**
Role: Project Manager
> Monongalia County, WV

**Bridgeport Pennsylvania
Avenue Sanitary Sewer
Replacement**
Role: Project Manager
> Harrison County, WV

**Malden Public Service
District Force Main
Improvements for Existing
Lift Stations**
Role: Project Engineer
> Kanawha County, WV

**Brooke County Public
Service District Phase IIB
Sewer System Extensions**
Role: QA/QC
> Brooke County, WV

**Grantsville Sanitary Sewer
Replacement**
Role: Project Manager
> Calhoun County, WV

Search: Details

Name: STEVEN V. BUCHANAN

WV Professional Engineer: PE License Number [REDACTED]

PE License Status: Active

PE Issue Date: 09/12/1990

PE Expiration Date: 12/31/2020

Continuing Education Claim: Qualifying Hours from Last Renewal or Reinstatement: 34.00

Carryover Hours for Next Renewal: 4.00

Last Renewal or Reinstatement Date*: 12/17/2018

WV Engineer Intern: EI Certification Number: [REDACTED]

EI Issue Date: 07/27/1984

Primary Address of Record: [REDACTED]

Primary Employer of Record: THE THRASHER GROUP, INC.
600 WHITE OAKS BOULEVARD
PO BOX 940
BRIDGEPORT, WV 26330

* This date reflects the most recent license renewal (or reinstatement) date for this licensee. Continuing education hours earned prior to this date may not be used for future renewals.

This data was retrieved on 12/17/2018.

Project Engineer



Education

Bachelor of Science,
Environmental Protection
Concentration in Water
Resources Engineering
West Virginia University

Trainings

- > Safeland USA Training
- > First Aid/CPR Certification

Travis Adams currently serves as a Senior Project Engineer with nearly 20 years of experience in project design within the public and private utility sectors. Travis has built an impressive portfolio of water and sanitary sewer projects throughout his career. His strong technical knowledge and engineering design skills have established himself as one of the firm's leading technical design engineers. His understanding of utility projects and intricacies involved with their technical design and regulatory requirements has given him the ability to provide his clients with seamless innovative designs, meeting the most stringent requirements in the industry.

As a Senior Project Engineer, Travis's responsibilities primarily include the preparation of construction plans, technical specifications, engineering design reports, site-specific bill of materials, and regulatory/environmental permitting. His in-depth technical design experience and strong attention to detail, has shaped him into one of the firm's most relied upon Engineers.

Experience

City of Kingwood Sanitary Sewer System Extensions

Role: Project Engineer

- > Preston County, WV

Greater Paw Paw Public Service District Crown Community Sewer System Collection and Wastewater Treatment System

Role: Project Engineer

- > Monongalia County, WV

Berkeley County Public Sewer Service District Sanitary Sewer Collection System Upgrades and Extension

Role: Project Engineer

- > Berkeley County, WV

Town of Masontown

Wastewater Treatment Plant

Role: Project Engineer

- > Preston County, WV

Valley Point Sanitary Sewer Collection System

Role: Project Engineer

- > Preston County, WV

Walnut Grove Sewer Collection System and Pump Station Upgrades

Role: Project Engineer

- > Jefferson County, WV

Site Task Manager



Education

Master of Science,
Civil Engineering
West Virginia University

Bachelor of Science,
Civil Engineering
West Virginia University

Registrations

Professional Engineer:

- > West Virginia
- > Pennsylvania
- > Virginia
- > Ohio
- > Maryland

Certifications

- > Leadership Monongalia County, WV
- > Foundations of Leadership/ National Leadership Institute
- > USACE-Access Control Point Design Training Course
- > ODOT Non-complex Roadway Design prequalification
- > ODOT Complex Roadway Design prequalification
- > ODOT Bridge Design Level 1.1/1.2 prequalification

Robert Milne, PE has over 25 years of experience working with both public and private clientele throughout the Mid-Atlantic region to develop millions of dollars' worth of commercial, industrial, residential, and mixed-use sites. Rob's in-depth understanding of site layout, design, permitting, and funding have enabled him to complete several complex projects that have boosted economic development and delivered safe, sustainable building sites.

Additionally, Rob has experience working with the WVDNR on multiple projects in the past and has an understanding of the Department's goals and processes. His knowledge will greatly enhance our team's communication and project reporting to the WVDNR.

Experience

WV Department of Natural Resources Boat Ramp Design at Palatine Park

Role: Project Manager
> Marion County, WV

WV Department of Natural Resources Elk River Boating Access

Role: Project Manager
> Kanawha County, WV

City of Morgantown 8th Street Trailhead

Role: Project Manager
> Monongalia County, WV

Canal Place ADA, Pedestrian, and Bikeway Improvements

Role: QA/QC
> Allegheny County, MD

Parsons Splash Park

Role: QA/QC
> Tucker County, WV

West Virginia University Mylan Puskar Stadium Renovations

Role: Principal
> Monongalia County, WV

Your ACTIVE PE renewal fee has been received...

Your ACTIVE PE renewal fee has been received. Your pocket card indicating you are entitled to practice engineering in West Virginia until the noted expiration date may be detached and used unless invalidated as a result of Board audit of your renewal form or formal disciplinary action.

IMPORTANT REMINDERS:

1. Please include your WV ACTIVE PE license number on any correspondence to this office.
2. To use this license as a pocket card, please cut along the dotted line and laminate if desired.
3. You are required to immediately notify the Board, in writing, of the following: loss or theft of license or seal, any name change, any address change, or any employment change.


West Virginia State Board of Registration for Professional Engineers

300 Capitol Street, Suite 910
Charleston, West Virginia 25301
304-558-3554 Phone
800-324-6170 Toll Free
www.wvpebd.org

THIS IS ONE FORM OF YOUR RENEWAL RECEIPT

PLEASE SAVE THIS FOR YOUR RECORDS

Date of Renewal: December 31, 2018
Amount Paid: \$70.00



West Virginia State Board of Registration
for Professional Engineers

ROBERT R. MILNE
[REDACTED]

This is to certify that the above named PROFESSIONAL ENGINEER has met the requirements of the law, is duly registered and is entitled to practice engineering in the State of West Virginia.

EXPIRES December 31, 2020

ROBERT R. MILNE
[REDACTED]

Project Engineer



Education

Bachelor of Science,
Civil Engineering
West Virginia University
Institute of Technology

Registrations

Engineering Intern;
> West Virginia

Affiliations

> Leadership Logan County
> American Society of Civil
Engineers

Caitlyn Preast, EI is a 2013 West Virginia University Institute of Technology graduate with a Bachelor of Science degree in Civil Engineering. While specializing in site development, she has also been involved in utility systems and architectural projects. She joined Thrasher with practical experience as a professional engineering intern in the Facility Asset Management Department of Walt Disney Parks and Resorts. With Thrasher, Caitlyn serves as a Project Engineer and has developed specific expertise supporting the development and implementation of source water protection plans, capital improvement plans and water and sewer system improvements.

In her role as a Project Engineer, Caitlyn's attention to detail for submittal reviews makes her a key member of any team. Her skills with AutoCAD Civil 3D to assist site development grading, utility layouts and designs, and erosion and sediment control measures provide value to any project, as well as her proficiency in construction administration and project scheduling.

Caitlyn has a natural ability to communicate effectively with clients. Her enthusiasm for positively affecting communities has helped advance her clients' projects and gain support amongst key stakeholders.

Experience

**Berkeley County Public
Sewer Service District
Capital Improvement Plan**
Role: Staff Engineer
> Berkeley County, WV

**Pea Ridge Public Service
District Sanitary Sewer
Extension Project**
Role: Staff Engineer
> Cabell County, WV

**WV Department of Natural
Resources Elk River Boating
Access**
Role: Project Engineer
> Kanawha County, WV

**Logan County DOH
Headquarters**
Role: Staff Engineer
> Logan County, WV

WVU Beckley Parking Lot
Role: Project Engineer
> Raleigh County, WV

**City of Beckley Fire
Department**
Role: Project Engineer
> Raleigh County, WV

SAM RICH, PLA

Landscape Architect



Education

Bachelor of Science,
Landscape Architecture
West Virginia University

Registrations

Professional Landscape
Architect:
> West Virginia

Certifications

> American Society of
Landscape Architects

Samuel Rich, PLA is a Project Manager at The Thrasher Group working in the Site Division. Sam's role includes overseeing the design process for a variety of land development and planning projects in the commercial, residential, municipal and industrial sectors. His team within the site division works with clients to take projects from the development stages all the way through construction providing site evaluation, master planning, estimating, project marketing and final design services.

Before his time at Thrasher, he spent three years in the landscape design/build industry working on a variety of projects involving the beautification of the outdoor environment for both residential and commercial spaces. Sam also held an internship position with District of Columbia Office of Planning where he oversaw the historic restoration design of ten Downtown D.C. pocket parks under National Park Service jurisdiction.

Experience

Marion County Economic Development Council Master Plan and Splash Park

Role: Landscape Architect
> Marion County, WV

Advantage Valley Site Planning Study

Role: Project Manager
> Various Counties, WV

Mount Vernon Square District National Parks Historical Landscape Restoration Plan

Role: Landscape Architect
> Washington, DC

West Virginia DNR Palatine Park Master Plan: Boat Ramp and Parking Improvements

Role: Landscape Architect
> Kanawha County, WV

Boy Scouts of America Welcome Center

Role: Project Manager
> Fayette County, WV

Doddridge County Parks and Recreation Commission Park Road Upgrades

Role: Landscape Architect
> Doddridge County, WV



Marion County Commission

Mr. Randy Elliott, President

200 Jackson Street | Fairmont, WV 26554

C: 304-577-8064 | O: 304-367-5425

Decker's Creek Public Service District

Mr. Frank Blosser, Manager

236 Brookhaven Road | Morgantown, WV 26508

304-319-0588

Boy Scouts of America

Mr. Rob Ridgeway, Facilities & Development Director

649 Jack Furst Drive | Glen Jean, WV 25846

304-465-2850