



THRASHER

ISAAC CREEK (CR-16-1) DS

CEOI DEP2000000003

Submitted by:
The Thrasher Group, Inc.
December 03, 2019

RECEIVED

2019 NOV 27 AM 9:50

WV PURCHASING
DIVISION

December 03, 2019

Attn: Brittany Ingraham, Senior Buyer
2019 Washington Street East
Charleston, WV 25305



COMPLEX PROJECTS
REQUIRE RESOLVE
THRASHER'S GOT IT

RE: EOI Isaac Creek (CR-1) DS

Dear Ms. Ingraham and selection committee members:

The Thrasher Group, Inc. is pleased to present our qualifications to the West Virginia Department of Environmental Protection (DEP) for the Isaac Creek Landslide project. As a West Virginia-based company that has been serving the state for 36 years, we take pride in projects that so clearly improve the landscape and restore the beauty of the Mountain State.

We have a longstanding history with this region of West Virginia working on AML based projects such as this one. Our cumulative knowledge and experience with AML projects will enable us to work with you to efficiently identify project goals, establish accurate budgets, and develop successful projects.

Additionally, our proximity to Isaac Creek allows us to perform consistent monitoring of the projects going on in the area. The Thrasher team is always available and easily accessible when the need arises to be on-site in an instant.

We recognize the importance of and appreciate the opportunity to restore the Isaac Creek area and look forward to further speaking with you about the needs of this project.

Sincerely,
THE THRASHER GROUP, INC.

A handwritten signature in blue ink, appearing to read "RJ Hovatter", is written over the printed name.

RJ Hovatter, PE
Project Manager

THE THRASHER GROUP



- > Utility Engineering
- > Architecture
- > Site Engineering
- > Environmental
- > Survey
- > Transportation
- > Construction Services
- > Geospatial

Main Point of Contact:

RJ Hovatter, PE
Project Manager
rhovatter@thethrashergroup.com
Cell: 304-669-6848
Office: 304-205-8809



9

OFFICES
in six states:

West Virginia
Virginia
Pennsylvania
Ohio
Maryland
Kentucky



600+

EMPLOYEES

- 46** Licensed Professional Engineers
- 20** Licensed Professional Surveyors
- 6** Licensed Professional Architects
- 3** Licensed Professional Landscape Architects



36

YEARS
of delivering
successful
projects

Diverse services that grow communities.

THRASHER'S GOT IT.

THE THRASHER GROUP

Office Locations

- > Bridgeport, WV
- > Charleston, WV
- > Beckley, WV
- > Burton, WV
- > Fredericksburg, VA
- > Canonsburg, PA
- > Canton, OH
- > Oakland, MD
- > Lexington, KY



The Thrasher Group provides architecture, engineering, and field services such as environmental, survey, materials testing, and construction management. For 35 years, Thrasher has earned a reputation for delivering successful projects for private and public clientele. Thrasher is one of the fastest-growing A/E firms in the Mid-Atlantic region.



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 is 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, stormwater 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 stormwater 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. It 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.



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 SERVICES

In today's ever-changing regulatory landscape, compliance with federal and state environmental laws is critical to the success of projects. Compliance can often seem at odds with the project vision and financial constraints. The Thrasher team partners as a technical and regulatory advocate to overcome obstacles and guide our clients through complicated policies to achieve their goals. From initial investigations to final design, our environmental experts are there to assist in all facets of our clients' projects. Our team has developed relationships with academic consultants from multiple universities that are here to aid in specialized assessments.

Environmental Services:

- > All Appropriate Inquiry (AAI)
- > Environmental Site Assessments
- > NEPA Compliance for Publicly Funded Projects (CATEX, EA, EIS)
- > Ecological Studies
- > Brownfield Redevelopment and Voluntary Remediation Program
- > Industrial Hygiene and Demolition Planning
- > Underground Storage Tank (UST) Consulting Services
- > Wetland Delineation, Design, and Mitigation
- > Remediation Investigation and Feasibility Studies, Alternatives, and Design
- > Rare, Threatened, Endangered Plants Surveying (PA)
- > Hydrogeologic and Geologic Investigations
- > Groundwater Monitoring
- > Sampling and Laboratory Analysis
- > Solid and Hazardous Waste Management
- > SPCC, GPP, SWPPP, GWPP, SWPPP Environmental Compliance Plans
- > Stream Assessments, Design, and Mitigation
- > Erosion and Sediment Control Plans
- > Uniform Environmental
- > CERCLA Preliminary Assessments and Investigations
- > Rare, Threatened, Endangered Bat Surveys (WV)



STORMWATER SYSTEMS

Ever-increasing regulations and a renewed focus on downstream effects are pushing stormwater management issues to the forefront. Working with an experienced stormwater consultant like Thrasher gives municipalities and private clients innovative and cost-effective solutions to stormwater management issues.

Our complete system approach means that we gain a full understanding of our clients' needs and can incorporate specialized project management expertise to achieve a smooth, seamless design. Thrasher has a long and successful history of working with public utility clients and private developers to find sustainable and innovative solutions to stormwater management issues.

One of the prime objectives of soil stabilization is to improve on-site materials to create a solid and strong sub-base and base courses. Stabilized subgrades are more resistant to environmental stressors and require less maintenance over the life cycle of your construction project.

Stormwater Management Skills:

- > Municipal Separate Storm Sewer Systems (MS4) Consulting and Compliance
- > Design of Pipelines, Channels, and Culverts
- > Detention Pond Design
- > Erosion and Sediment Control Plans
- > Underground Storage/Injection Wells
- > NPDES Permitting and Compliance
- > Watershed and Flood Studies
- > HEC-RAS Stream Modeling
- > Best Management Practices (BMP) Evaluation and Design
- > Geographic Information Systems (GIS)
- > Bio-Retention Systems



SURVEY AND MAPPING SERVICES

Thrasher employs one of the largest survey departments in the Mid-Atlantic region and offers a wide range of land surveying and related services for federal, state, and private clients. We are committed to evolving our techniques and equipment to best serve our clients and their growing needs.

At Thrasher, we are able to provide both surveying and engineering services which provide a distinct advantage over survey-only companies. The combination of these two services provide our surveyors with a better understanding of what engineers and architects require to develop an appropriate design for different types of projects. Our field and survey personnel offer extensive experience, certified training, and flexibility to meet our clients' unique project schedules.

Route Location Surveys:

- > Transmission Lines
- > Natural Gas Pipelines
- > Wind Turbine
- > Roadway, Railway, and Rec Trails

General Survey Services:

- > Large-Scale Boundary Work
- > Topographic Survey and Mapping
- > ALTA/ACSM Survey and Mapping
- > Lake and River Soundings
- > Accident Reconstruction Survey & Mapping
- > Expert Witness Testimony
- > Construction Layout
- > Permanent Project GPS Base Stations
- > Building Control and Layout
- > Road/Bridge Alignment and Staking
- > Sewer/Water/Pipeline
- > Site Layout
- > Quality Assurance Surveying
- > Volume/Quantity Surveys
- > As-Built Surveys

GPS Surveys:

- > Geodetic Control Networks
- > Ground Control for Aerial Mapping
- > Telecommunications
- > FAA 1A and 2C Letters

Coal and Energy Surveys:

- > Pre and Post Mining Blast Surveys
- > Water Quality Monitoring Plan
- > Construction Layout
- > Emergency Control Survey/ Plans

PROJECT AND GOALS

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 solutions to your problems. 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 Isaac Creek Landslide project and will handle them in the following manner:



GOAL/OBJECTIVE 2.1

The Thrasher Group will review existing plans and evaluate the project site. We will communicate effectively with the DEP to develop a plan and technical specifications to stabilize the landslide at the abandoned mine, Isaac Creek. We will then determine a plan that can be implemented realistically and will meet all objectives in a manner that will meet all objectives.

GOAL/OBJECTIVE 2.2

We are confident that Thrasher can provide all of the necessary services to provide site engineering services for the landslide and road alignment. We will develop the design plans and specifications to stabilize and re-establish alignment of the Isaac Creek Road.

GOAL/OBJECTIVES 2.3-2.5

Thrasher will provide design plans and develop specifications to control any associated water, limits of disturbance, stormwater control, erosion and sediment prevention, and any other conditions encountered at the Isaac Creek site. Thrasher will also ensure all disturbed areas will be regraded and revegetated.

PROJECT MANAGEMENT PLAN

Thrasher is a statewide, full-service group with the experience and ability to work on complex-natured projects and the necessary environmental capabilities to handle the Isaac Creek landslide. To make sure your project is completed successfully, Thrasher follows the approach outlined below:

Project Inception: Thrasher not only takes the time to understand the scope of work, but takes the time to understand other issues that may arise while executing your project. We attend various meetings to provide progress updates, listen to the constituents and their concerns, and focus on ways to address them to ensure everyone is working together.

Availability: Thrasher has a unique advantage because of our strategically placed office locations throughout the state of West Virginia. Our team has the capability to respond quickly and effectively to meet client needs as they arise, including emergency situations that allow very little notice.

Addressing Each Project: Every project has unique issues and needs. We take an individualized approach to ensure those needs are being met to the fullest of our capability. As each project arises, it will be assessed and broken down into manageable phases laid out as a roadmap to success.

Coordination/Communication: Your project manager, RJ Hovatter, will serve as your main point of contact for this project. Initial support will begin with consistent communications and internal Thrasher Quality Control processes (site surveys, stakeholder reviews, comment resolution, etc.). RJ will also be in constant contact with members of the WVDEP in order to maintain transparency during the process.

Landslide Repair: Three different AML landslide repair projects have been completed by Thrasher. Each repair required extensive geotechnical design for soldier pile and concrete lagging and concrete segmental gravity block walls, as well as slip material removal for slope stabilization. These projects were in close proximity to residential areas that required special care during construction. We would use the same approach for the Isaac Creek Landslide.

Drainage Design: All of the AML projects completed by Thrasher have required design of drainage structures, like the Isaac Creek Landslide. In the past, these have included vegetated, grouted, rip-rap channels, as well as culverts and storm sewers. Drainage calculations were completed to properly size all conveyances.

Permitting: The permitting process can delay projects if they are not submitted correctly or in a timely manner. Thrasher takes pride in on our ability to quickly obtain permits for our clients. We are able to utilize our excellent relationship with the WVDEP for NPDES permits as well as our relationship with the West Virginia Division of Highways for entrance and drainage permits. We are also experienced in obtaining Army Corps of Engineers permits from both the Pittsburgh and Huntington District Offices for stream bank restoration, wetland mitigation and construction, linear transportation and utility line projects, and temporary construction access and dewatering. You can be confident in knowing that any permitting necessary for your project will be handled swiftly by the Thrasher team.

.....
Thrasher utilizes a Project Manager-driven methodology to ensure clear, open lines of communication between our Project Managers and clientele.
.....

QUALITY CONTROL



Thrasher has an internal Quality Control Policy to ensure our projects move forward efficiently and effectively. The objectives of this manual are to continually improve the quality of the design and technical deliverables Thrasher provides to its internal and external clients.

This manual illustrates the basic requirements for quality control in our projects. It describes the methods for checking and reviewing product elements and client deliverables, and includes rigorous comprehensive written check-lists for each stage of the design process, document production, and construction activities.

The purpose of these QC methodologies is to reduce or eliminate the potential for errors, omissions, ambiguities, and inconsistencies.

The policy outlines three main areas:

- > **General** - Defines the purpose, intent and limitations, definitions, and implementation
- > **Project Management Procedures** - Presents required procedures specific to this practice that allow for the efficient and accurate management of projects
- > **Check and Final Review Procedures** - Presents required procedures specific to this practice that are used to insure technical accuracy of the work product

COST CONTROL



Cost is a concern in every project and one that we take seriously – it is important to us that we provide a transparent, thorough look at what it will take to get your project completed. To make sure that happens, we follow four important principles:

- > **Thorough construction documents** - Starting off with detailed construction documents helps the entire project run more smoothly. By laying an accurate, realistic picture at the beginning of the process, we are able to complete your project more efficiently and with fewer change orders.
- > **In-depth review process** - The Thrasher team participates in an in-depth review process to ensure there is a thorough understanding of your project. Our construction administration team visits your site in person so we know exactly what is needed for the space.
- > **Understanding of what things cost** - Thrasher has a knowledgeable construction administration team that understands what it truly costs to make things happen. Rather than relying on general industry standards, our Construction Estimator, Jim Decker, can tell you what something will cost in actuality. Jim, who has a contracting license, knows how to navigate both sides of a bid process and can deliver an accurate look at your project costs up front.
- > **Respect for your wallet** - We respect your business needs and work to ensure the lowest-cost options we can find. We also keep you updated of budget throughout the process: An initial construction cost will be calculated to reflect your budget, and construction cost estimates will be delivered with the drawings at the end of Schematic Design, Design Development, and Construction Documentation. Adjustments to size and/or quality will be made, as necessary, during each design phase to maintain your budget.

SCHEDULING AND BUDGETING



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 scheduling 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 always our priority 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 issues before they arise and keep your project within a reasonable cost.

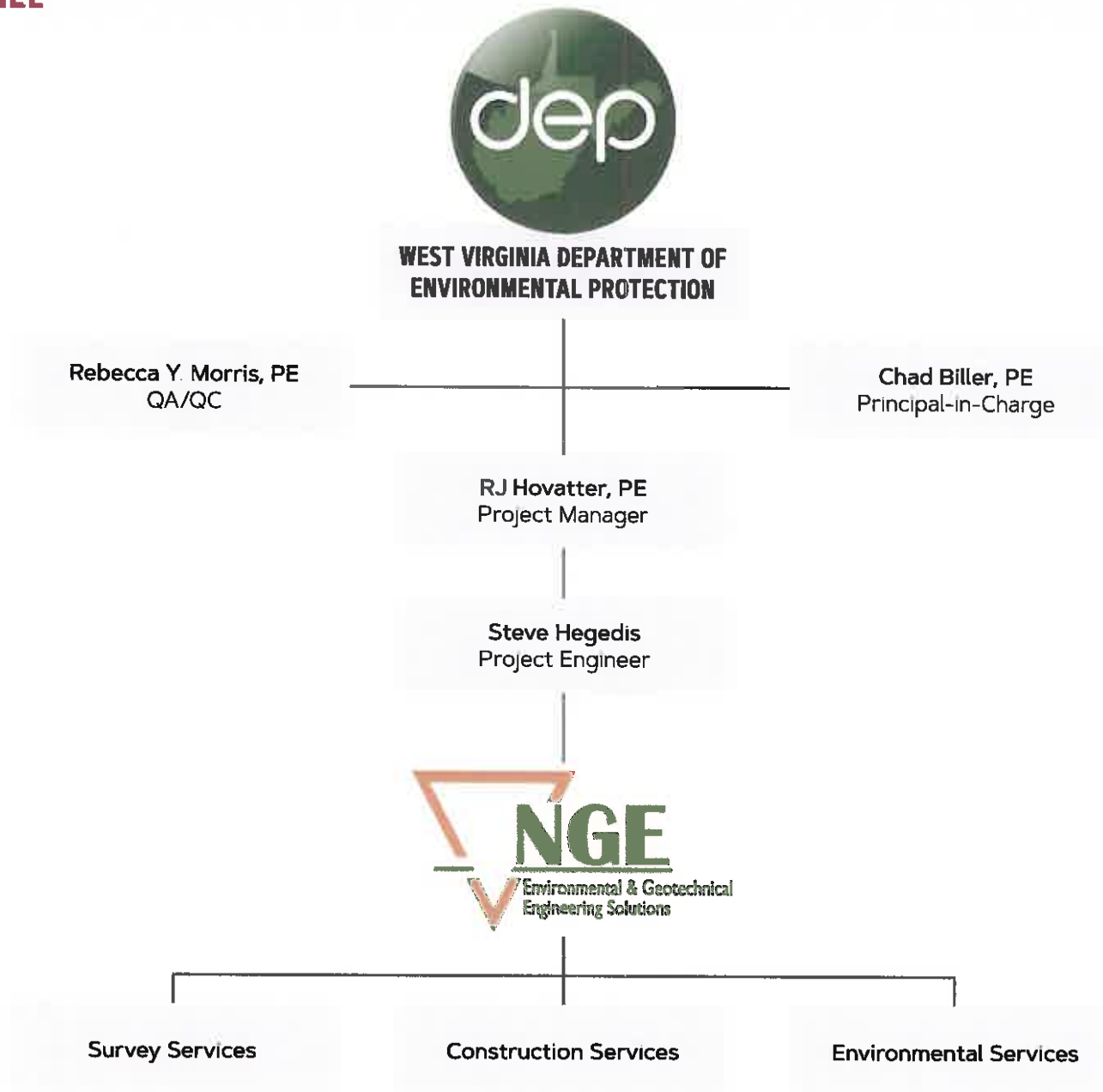
And our estimates go beyond the typical system - rather than simply providing cost per foot or lump sum price, Thrasher will provide contractor-grade estimates that look at every part of the project. We do detailed take-offs of materials and look at every man hour needed to complete a project and factor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

BOND FORFEITURE AND RELATED PROJECT EXPERIENCE MATRIX - "ATTACHMENT B"

PROJECT	Exp. Basis C-Corp P-Personal *	Additional info provided in Section (s) **	PROJECT EXPERIENCE REQUIREMENTS														Primary staff participation/capacity *** M-Management P-Professional			
			Forfeited Surface Mine Reclamation	Forfeited Deep Mine Reclamation	Portal/shaft closure	Hydrologic/Hydraulic design/ Eval.	Remining Evaluation	Mine / refuse fire abatement	Subsidence investigation/ mitigation	Hazardous waste disposal	Project specifications	Water quality evaluation /mitigation replacement	Construction inspection / management	Water treatment	Equipment /structure removal	Stream restoration	Geotechnical/stability	Chadwick D. Biller	Rebecca Y. Morris	R.J. Hovatter
Anglins Run Portals	C	Project Experience			X	X				X							M			
Roaring Creek	C		X	X		X			X	X							M			
Shinns Run Portals	P			X		X			X										M/P	
Squire's Creek Portals	C		X		X	X			X				X				M			
Overfield (Laferty) CS&P	C		X		X	X			X						X		M			
Laurel Run	C		X		X	X			X								M		P	
Clarksburg Lyons Landslide	C		X			X			X						X		M			
Pleasant Valley	C		X		X	X			X								M		P	
Roger Camp Hill	C		X			X			X								M		P	
Owl Creek Highwall	C		X		X	X			X					X			M		P	
Landgraaf Refuse	C		X			X			X								M		P	
Canyon Refuse & Dump	C		X		X	X			X				X				M		P	
Stowe (Prince) Landslide	C					X			X						X		M		P	
Lamberts Run Site 7	C	Project Experience	X			X			X	X	X	X		X			M		P	
Swamp Run #1	C	Project Experience	X			X			X	X	X	X		X			M		P	
Dans Branch	C					X			X						X		M		P	
Ed Gower Highwall #2	C		X		X	X			X								M		P	P
Martinka Mine	C	Project Experience	X			X			X	X	X	X					M		P	

*List whether project experience is corporate or personnel based or both
 ** Use this area to provide specific sections or pages if needed for reference
 *** List primary design personnel and their functional capacity for the projects listed.

KEY PERSONNEL



CHAD BILLER, PE

Principal-in-Charge



Education

Bachelor of Science,
Civil Engineering
West Virginia University

Registrations

Professional Engineer
> West Virginia
> Ohio

Affiliations

> American Society of Highway
Engineers
> American Society of Civil
Engineers
> National Society of
Professional Engineers

Chad Biller, PE has extensive experience in all aspects of civil engineering, but his primary emphasis lies in site development, transportation, and airport projects. Chad's expertise has made him a go-to source for the design and site layout of numerous residential and commercial sites all throughout the Mid-Atlantic region. His knowledge of site design in the mountainous terrain of West Virginia and the surrounding Appalachian basin is second to none.

As part of his role as in the Site Division, Chad is responsible for the development of project design, production of project specifications and plans, bidding, quality assurance/quality control, and project monitoring. He brings a deep breadth of knowledge to the table, including creative problem solving skills, and decades of hands-on experience implementing unique project delivery methods individually tailored for his clients.

Experience

WVDEP AML Stowe Landslide

Role: Principal-in-Charge
Logan County, WV

WVDEP AML Anglins Run Project

Role: Principal-in-Charge
> Nicholas County, WV

WVDEP AML Squires Creek Project

Role: Principal-in-Charge
> Preston County, WV

WVDEP AML Landgraph Refuse Pile

Role: Principal-in-Charge
> McDowell County, WV

WVDEP AML Owl Creek Highwall #2

Role: Principal-in-Charge
> Monongalia County, WV

City of Salem Slip Repairs

Role: Project Manager
> Harrison County, WV

Fairmont State University Storm Water Management Plan

Role: Principal-in-Charge
> Marion County, WV

Old Bridgeport Hill Storm Drainage

Role: Principal-in-Charge
> Harrison County, WV

CHAD BILLER, PE

Principal-in-Charge

Name: CHADWICK D. BILLER

WV Professional Engineer: PE License Number: [REDACTED]

PE License Status: Active

PE Issue Date: 02/23/1998

PE Expiration Date: 12/31/2020

Continuing Education Claim: Qualifying Hours from Last Renewal or Reinstatement: 86.00

Carryover Hours for Next Renewal: 15.00

Last Renewal or Reinstatement Date*: 12/5/2018

WV Engineer Intern: EI Certification Number:

EI Issue Date:

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.

REBECCA Y. MORRIS, PE

QA/QC



Education

Bachelor of Science
Civil Engineering
West Virginia University

Registrations

Professional Engineer:
> West Virginia

Rebecca Y. Morris, PE is a Senior Project Manager in Thrasher's Site Division. She has a main focus on oil and gas and primarily leads work on well pads, M&R pads, and compressor stations. She started with oil and gas as the Marcellus and Utica shale boom came to the region and has stayed in the field because of her passion for the industry – Rebecca thrives on the high-energy, high-intensity atmosphere that comes with oil and gas sites.

In the role of QA/QC, Rebecca oversees and assures the quality of all deliverables and management practices of all disciplines. This includes overseeing critical events, attending client or stockholder meetings, participating in kick-off and milestone meetings, preparing quality control plans, assuring project performance, and meeting client expectations.

Experience

Morgan Run AMD

Role: Project Engineer
> Preston County, WV

Lambert Run Site 5 AMD

Role: Project Engineer
> Harrison County, WV

Middle Fork of Greens Run Phase 1 AMD

Role: Project Engineer
> Preston County, WV

Sovern Run 62 and Bishoff AMD

Role: Project Engineer
> Preston County, WV

Allen Conner/Messenger Site on Glad Run AMD

Role: Project Engineer
> Preston County, WV

REBECCA Y. MORRIS, PE

QA/QC

Name:	REBECCA Y. MORRIS
WV Professional Engineer:	PE License Number: [REDACTED]
	PE License Status: Active
	PE Issue Date: 06/05/2008
	PE Expiration Date: 12/31/2020
Continuing Education Claims:	Qualifying Hours from Last Renewal or Reinstatement: 32.00
	Carryover Hours for Next Renewal: 2.00
	Last Renewal or Reinstatement Date*: 12/31/2018
WV Engineer Intern:	EI Certification Number: 8672
	EI Issue Date: 04/19/2007
Primary Address of Record:	[REDACTED]
Primary Employer of Record:	THE THRASHER GROUP, INC 600 WHITE OAKS BLVD BRIDGEPORT, WV 26330

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RJ HOVATTER, PE

Project Manager



Education

Bachelor of Science,
Civil Engineering
Fairmont State University

Registrations

Professional Engineer:
> West Virginia
> Pennsylvania

Certifications and Trainings

- > Level I Rosgen Natural Stream Construction
- > Level II Rosgen Natural Stream Construction
- > HEC—RAS Operator Training Short Course
- > Annual Oil & Gas Training Pennsylvania—Expedited Review of ESCGP-1
- > MSHA Training

Richard "RJ" Hovatter, PE has spent most of his career working with private and public clients on various site development projects. His team of engineers are able to develop strategies to fit the needs of each client. RJ is well versed in site design, grading, storm water and erosion and sediment control plans. He has also managed over 35 Abandoned Mine Land Emergency and Abandoned Mine Land projects across West Virginia, Maryland, and Ohio. His experience provides clients with the reassurance that projects are inspected thoroughly.

He also leads a team of highly skilled engineers in developing innovative slip remediation projects all across the Appalachian basin. RJ has spent a large portion of his career evaluating critical land slips and assessing feasible, sustainable solutions that serve both public and private entities. His diverse portfolio of work has given RJ a refined eye for potential land issues and slip-prone terrain, which ensures his clients projects are designed on safe, stable sites.

Experience

WVDEP AML Stowe Landslide Emergency Project

Role: Project Manager
> Logan County, WV

WVDEP AML Dansbranch Landslide Emergency Project

Role: Project Manager
> Mingo County, WV

WVDEP AML Lyons Landslide Project

Role: Project Manager
> Harrison County, WV

WVDEP AML Canyon Refuse and Dump

Role: Project Manager
> Monongalia County, WV

WVDEP AML Landgraft Refuse Pile Design

Role: Project Manager
> McDowell County, WV

WV DEP Shinns Run Portals

Role: Project Engineer
> Harrison County, WV

WestRidge Phase 1 Slip Repair

Role: Project Manager
> Monongalia County, WV

RJ HOVATTER, PE

Project Manager

Name: RICHARD G. HOVATTER, JR

WV Professional Engineer: PE License Number: [REDACTED]

PE License Status: Active

PE Issue Date: 12/17/2009

PE Expiration Date: 12/31/2020

Continuing Education Claim: Qualifying Hours from Last Renewal or Reinstatement: 53.00

Carryover Hours for Next Renewal: 15.00

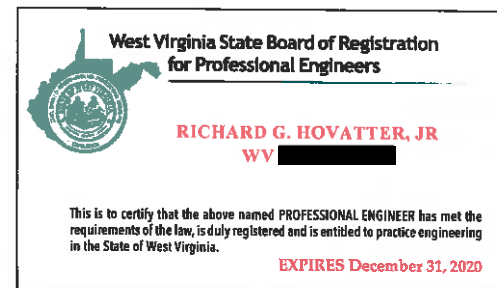
Last Renewal or Reinstatement Date*: 12/7/2018

WV Engineer Intern: EI Certification Number: 8494

EI Issue Date: 12/15/2005

Primary Address of Record: [REDACTED]

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



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STEVE HEGEDIS

Project Engineer



Education

Bachelor of Science,
Environmental Resource
Management
Penn State University

Steve Hegedis is an experienced civil site design engineer with an education in environmental resource management. He has a strong background in site design, stormwater design, and engineered natural systems (ENS) design. Prior to joining Thrasher, he worked on a host of energy projects, as well as commercial and residential site developments, and water and stormwater design.

Steve has a thorough knowledge of NPDES permitting, bringing a deep respect for the environmental impact of his work and an important expertise to his clients. Additionally, Steve is a licensed general contractor in West Virginia, giving him a unique dual perspective as he approaches design projects.

Experience

Chaplin Hill Business Park NPDES Permitting

Role: Project Engineer
> Monongalia County, WV

Hatfield McCoy Regional Recreation Authority Stormwater Site Design and Welcome Center Project

Role: Project Engineer
> Logan County, WV

Industrial Park Site Design NPDES Form

Role: Project Engineer
> Doddridge County, WV

Rt. 50 Site Design Stormwater Design E&S

Role: Project Engineer
> Harrison County, WV

WestRidge Development Stormwater System Project

Role: Project Engineer
> Monongalia County, WV

Ronald Lane Ritchie County Industrial Park Site Design & NPDES Permitting

Role: Project Engineer
> Ritchie County, WV

Ronald Lane, The Quarry Business Park Site Design & NPDES Permitting

Role: Project Engineer
> Harrison County, WV

Harrison County Power, Harrison Energy Center Site Design and NPDES Permitting

Role: Project Engineer
> Harrison County, WV

Energy Solutions, Brooke County Power Plant Site Design & NPDES Permitting

Role: Project Engineer
> Brooke County, WV

NGE CONSULTING - SUB-CONSULTANT



Locations

West Virginia Office

650 MacCorkle Avenue West
St. Albans, WV 25177
P: (304) 201-5180
F: (304) 201-5182

Pennsylvania Office

171 Montour Run Road
Moon Twp, PA 15108
P: (412) 722-1970
F: (412) 722-1929

Company Overview

NGE was founded in the fall of 2002 by Amy Veltri and John Nottingham, a management team with a combined forty years of industry experience. The family-based entrepreneurial spirit that defined NGE's beginnings remains evident in the innovative solutions we deliver to our loyal clients each and every day. Advances in engineering, science and technology, coupled with regulatory, legal, and compliance pressures create increasingly complex challenges for businesses. NGE strives to keep pace with these changes, with an eye to supporting our clients' changing needs.

NGE has grown into a dependable and flexible environmental and geotechnical consulting firm providing a wide range of professional services, including Environmental Consulting, Geotechnical Engineering and Environmental Construction / Remediation. With clients across the nation, NGE added a second office location in West Virginia in 2003, and seeks to grow in the future by providing consistent, quality service in a family-oriented atmosphere.

Since its inception, NGE has hired and retained the best and brightest talent in the industry. Our staff have relevant experience and qualifications to complete complex environmental and geotechnical projects. NGE's future is bright as we pursue a course of planned, measured growth to meet the challenge of expansion without diluting leadership or weakening the company's ability

to perform. After establishing a solid foundation and longstanding reputation in the region and across the nation as an innovative, sophisticated, forward-thinking environmental and geotechnical consulting firm, we are proud of our roots and the progressive environment we have created for our dedicated employees.

NGE is an organization that is small enough to focus time on each client but with a depth in talent and resources to successfully complete large and complex projects. NGE provides superior environmental and geotechnical services at a manageable price. A family oriented work atmosphere has fostered the growth of NGE's staff with the best and brightest talent in the industry.

NGE has garnered a variety of certifications and awards over the years in the environmental and geotechnical consulting industry. These accomplishments and accolades bear testament to the impeccable standards that we strive to achieve at NGE. They help differentiate our company from our competitors and serve to distinguish our employees as the "best of the best."

PROJECT EXPERIENCE



Lyons Residence Landslide

Location: Harrison County, WV

Type of Project: Landslide

Thrasher Project Manager: Chad Biller, PE

Client Contact:

Gregory Smith, PE

101 Cambridge Place | Bridgeport, WV 26330

304-842-1900

The Lyons residence, located off of route 19 in Clarksburg, suffered a two-acre slide mass above and behind the residence. The mass was composed of strip mine spoil and natural slip-prone material. The Thrasher Group was hired to correct the landslide on the property within state timeframes.

To accomplish this task, Thrasher prepared the site by clearing and grubbing and then disposing of debris. The team then constructed a soldier pile and concrete lagging retaining wall with appurtenances to stabilize the slope above the existing residence and pond. Additionally, underdrains and channels were installed to carry water safely through or around the slip area. Thrasher also regraded the site to the lines and grades shown on the plans, revegetated disturbed areas, and made sure sediment control was in compliance with the approved NPDES permit.

PROJECT EXPERIENCE



Nutter Run Landslide

Location: Harrison County, WV

Type of Project: AML Emergency Landslide

Thrasher Project Manager: RJ Hovatter, PE Rob Milne, PE

Client Contact:

Eric Simpson, Northern Emergency Engineer

101 Cambridge Place | Bridgeport, WV 26330

304-842-1900

Nutter Run was the site of an emergency AML landslide. The Thrasher Group mobilized the necessary equipment and personnel to complete the project within state timeframes with a construction cost of \$954,750.

Some of the major steps of the project included the following: site preparation (clearing and grubbing, removing existing structures and debris), construction and installation of support areas, maintenance of access roads, construction and installation of drainage control items to convey stormwater off-site, backfilling highwalls, and re-vegetation of disturbed areas.

The Nutter Run project included a 1 H-Pile Wall ~140' Long and a 1- H-Pile Wall ~200' Long.

Project
Highlight

PROJECT EXPERIENCE



Ridgeway Landslide

Location: Harrison County, WV

Type of Project: AML Emergency Landslide

Thrasher Project Manager: RJ Hovatter, PE

Client Contact:

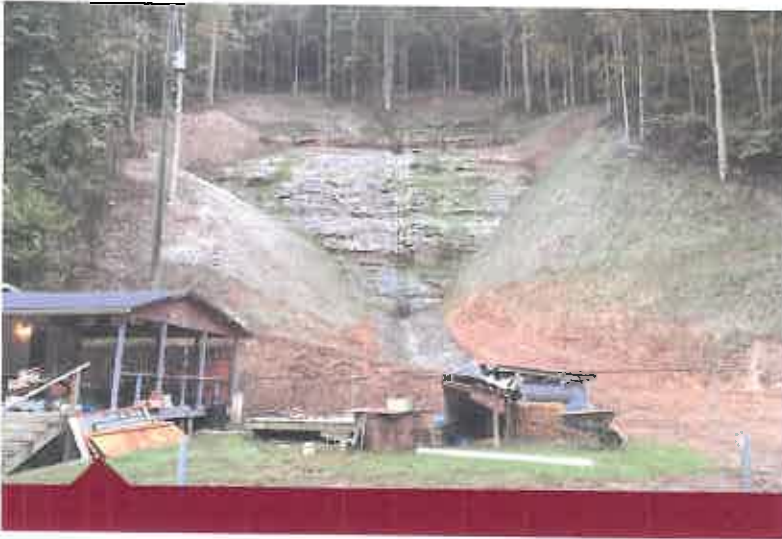
Eric Simpson, Northern Emergency Engineer

101 Cambridge Place | Bridgeport, WV 26330

304-842-1900

Ridgeway, in Bridgeport, was the site of an AML emergency landslide that The Thrasher Group repaired. Our team engineered the design of the slip remediation and was responsible for all necessary materials to accomplish that design, from shop drawings to a detailed construction schedule. Thrasher provided all necessary materials and labor for this project. The final result of the project was 1 Soil Nail Wall ~36' and 6,300 cubic yards of Earthwork.

PROJECT EXPERIENCE



Stowe Landslide

Location: Logan County, WV

Type of Project: Landslide

Thrasher Project Manager: April Rohrbaugh

Client Contact:

Jason Foster, Emergency Program Administrator

60157th Street, SE, Box 20 | Charleston, WV 25304

304-926-0499

This project involved a 2-acre landslide caused by an abandoned portal blowout. The slide mass was situated directly above a private residence at the base of a steep mountainside. Trees in the mobilized material had already caused damage to the residence's accessory structures and fence. Based on the subsurface investigation and the slide's proximity to the residence, it was determined that the safest and most efficient way to mitigate the slide and prevent future damage to the residence was to remove slide material and excavate/regrade around the landslide to a stable configuration while safely conveying surface and subsurface drainage around and through the site via deep underdrains and riprap/grouted riprap channels. The slide material upon removal was transported to a nearby waste site, spread, dried and compacted. The project site covered a total area of 2.9 acres and reclamation included \pm 6,000 cubic yards of earthwork.

PROJECT EXPERIENCE



Dans Branch Landslide

Location: Mingo County, WV

Type of Project: AML Emergency Landslide

Thrasher Project Manager: Chad Biller, PE

Client Contact:

Jason Foster, Emergency Program Administrator

601 57th Street, SE, Box 20 | Charleston, WV 25304

304-926-0499

Dansbranch was the site of an AML emergency landslide that Thrasher worked to remediate. Some of the major steps of the project included the following: site preparation (clearing and grubbing, removing existing structures and debris), construction and installation of support areas, maintenance of access roads, construction and installation of drainage control items to convey stormwater off-site, ensure sediment control compliance with the NPDES permit, and re-vegetation of disturbed areas. Thrasher also had to protect existing structures during grading operations and the installation of permanent rock fall protection above structures. Construction on this project cost approximately \$352,370.

This project included 6,500 cubic yards of earthwork and stabilizing the slope behind the residence.

Project
Highlight

REFERENCES



City of Ripley

Ms. Carolyn Rader, Mayor
203 South Church Street
Ripley, WV 25271
304-532-3657

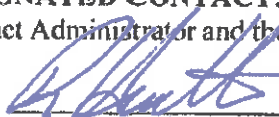
West Ridge Development

Mr. Aaron Humberson
PO Box 4034
Morgantown, WV 26504
304-212-3355 ext 108

Hatfield McCoy Regional Recreation

Mr. Jeffrey Lusk, Executive Director
PO Box 146
Logan, WV 25635
304-752-3255

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.

 Project Manager

(Name, Title)
Richard Hovatter, PE - Project Manager

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


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

(Phone Number) / (Fax Number)
rhovatter@thetrashergroup.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, Inc.

(Company)
 Project Manager

(Authorized Signature) (Representative Name, Title)

Richard Hovatter, PE - Project Manager

(Printed Name and Title of Authorized Representative)

November 26, 2019

(Date)

304-624-4108 / 304-624-7831

(Phone Number) (Fax Number)

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, Inc. Address: 600 White Oaks Blvd,
Bridgeport, WV 26330

Name of Authorized Agent: Richard Hovatter Address: _____

Contract Number: CEOI DEP20000000003 Contract Description: Isaac Creek (CR-16-1) DS

Governmental agency awarding contract: West Virginia Department of Environmental Protection

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:  Date Signed: November 26, 2019

Notary Verification

State of WV, County of Harrison

I, Richard Hovatter, 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 26th day of November, 19.

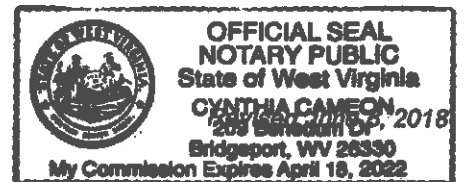

Notary Public's Signature

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(i), the contracting public entity shall not award a construction contract to any bidder that is known to be in default on any monetary obligation owed to the state or a political subdivision of the state, including, but not limited to, obligations related to payroll taxes, property taxes, sales and use taxes, fire service fees, or other fines or fees.

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

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

DEFINITIONS:

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

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-20-2, 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 §51-5-3) 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, Inc.

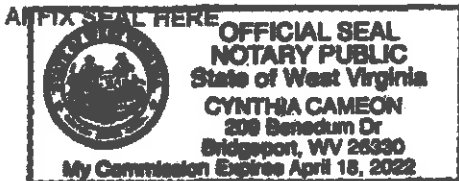
Authorized Signature: [Signature] Date: November 26, 2019

State of WV

County of Harrison, to-wit:

Taken, subscribed, and sworn to before me this 26th day of November, 2019.

My Commission expires April 18, 2022.



NOTARY PUBLIC

[Signature]
Purchasing Affidavit (Revised 01/19/2018)

An aerial photograph of a large-scale construction project, possibly a dam or a large industrial facility, set in a wooded area. The site is filled with earth, concrete structures, and various pieces of construction equipment. A technical overlay is visible on the left side of the image, consisting of a network of lines and nodes, resembling a utility or infrastructure plan. The text is overlaid on the central part of the image.

COMPLEX PROJECTS REQUIRE RESOLVE

THRASHER'S GOT IT