



The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at ***wvOASIS.gov***. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at ***WVPurchasing.gov*** with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

Header 1

List View

General Information

Contact

Default Values

Discount

Document Information

Clarification Request

Procurement Folder: 1486815

SO Doc Code: CEOI

Procurement Type: Central Purchase Order

SO Dept: 0603

Vendor ID: 000000204787

SO Doc ID: ADJ2500000002

Legal Name: THE THRASHER GROUP INC

Published Date: 8/9/24

Alias/DBA:

Close Date: 8/22/24

Total Bid: \$0.00

Close Time: 13:30

Response Date: 08/21/2024

Status: Closed

Response Time: 13:31

Solicitation Description: Waterline Utility Upgrade-Design Camp Dawson

Responded By User ID: Thrasher

Total of Header Attachments: 1

First Name: Maggie

Total of All Attachments: 1

Last Name: Hart

Email: mhart@thethrashergroup.com

Phone: 304-624-4108



Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

State of West Virginia
Solicitation Response

Proc Folder: 1486815
Solicitation Description: Waterline Utility Upgrade-Design Camp Dawson
Proc Type: Central Purchase Order

Solicitation Closes	Solicitation Response	Version
2024-08-22 13:30	SR 0603 ESR08212400000001350	1

VENDOR
000000204787
THE THRASHER GROUP INC

Solicitation Number: CEOI 0603 ADJ2500000002
Total Bid: 0
Response Date: 2024-08-21
Response Time: 13:31:37
Comments: N/A

FOR INFORMATION CONTACT THE BUYER
David H Pauline
304-558-0067
david.h.pauline@wv.gov

Vendor Signature X	FEIN#	DATE
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All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Waterline Utility Upgrade Design Camp Dawson				0.00

Comm Code	Manufacturer	Specification	Model #
81101508			

Commodity Line Comments: N/A

Extended Description:

Provide professional architectural and engineering design services per the attached documentation.



THRASHER

WEST VIRGINIA ARMY NATIONAL GUARD

Camp Dawson Waterline Utility Upgrade

Submitted by:
The Thrasher Group, Inc.
August 22, 2024

August 22, 2024

Attn: Mr. David Pauline, Buyer
Department of Administration
2019 Washington Street E
Charleston WV, 25305

RE: West Virginia Army National Guard – Camp Dawson Waterline Utility Upgrade-Design

Dear Mr. Pauline and Members of the Selection Committee:

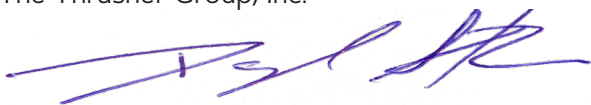
Supporting over one hundred thousand military and civilian personnel, the West Virginia Army National Guard Camp Dawson is a critical space for the military and its community alike. To help continue that support and maintain the safety of its personnel and visitors, WVANG needs a trusted partner to assist in the design and development of a waterline utility extension, capable of providing fire suppression for its billeting facilities. The Thrasher Group can offer a level of expertise and attention to detail that will allow us to guide this project from concept to completion as a valuable extension of your team.

Thrasher has an extensive history of water line upgrades, extensions, and replacement projects throughout the state of West Virginia. Since 1983, our company has served the public and private utility sector with great success, including a long history of work with utilities in Preston County. Our team is highly experienced in all facets of the water world, from service extensions to provide fire suppression at airports and businesses to tank replacements and everything in between – our staff has the knowledge and experience to make this project a success.

Additionally, our office is conveniently located only one hour from you and we have several ongoing projects in the area, giving us the ability to perform consistent monitoring of your project, and keep us easily accessible when the need arises to be on-site in an instant. As a local firm, our team is able to give our clients undivided attention, meaning every project is a top priority for us and will be completed promptly.

The Thrasher Group will bring a strong attention to detail, a knowledgeable staff of experts, and a passion for community improvement and safety to this project. We appreciate the opportunity to submit our qualifications for this work and hope to speak with you further about how we can serve the West Virginia Army National Guard, now and for the long haul.

Sincerely,
The Thrasher Group, Inc.



Doug Smith, PE, MBA
Project Manager

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

(Printed Name and Title) Doug Smith, Project Manager
(Address) 600 White Oaks Blvd, Bridgeport, WV 26330
(Phone Number) / (Fax Number) 304-624-4108 / 304-624-7831
(email address) dsmith@thethrashergroup.com

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that: I have reviewed this Solicitation/Contract in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation/Contract for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that this bid or offer was made without prior understanding, agreement, or connection with any entity submitting a bid or offer for the same material, supplies, equipment or services; that this bid or offer is in all respects fair and without collusion or fraud; that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; that I am authorized by the Vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on Vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

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

The Thrasher Group, Inc.

(Company)

(Signature of Authorized Representative)

Doug Smith, Project Manager

August 21, 2024

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

304-624-4108 / 304-624-7831

(Phone Number) (Fax Number)

dsmith@thethrashergroup.com

(Email Address)

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 type="checkbox"/> Addendum No. 1	<input type="checkbox"/> Addendum No. 6
<input type="checkbox"/> Addendum No. 2	<input type="checkbox"/> Addendum No. 7
<input type="checkbox"/> Addendum No. 3	<input type="checkbox"/> Addendum No. 8
<input type="checkbox"/> Addendum No. 4	<input type="checkbox"/> Addendum No. 9
<input type="checkbox"/> Addendum No. 5	<input type="checkbox"/> Addendum No. 10

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

The Thrasher Group, Inc.

Company



Authorized Signature

8/21/2024

Date

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

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

CONSTRUCTION CONTRACTS: Under W. Va. Code § 5-22-1(i), the contracting public entity shall not award a construction contract to any bidder that is known to be in default on any monetary obligation owed to the state or a political subdivision of the state, including, but not limited to, obligations related to payroll taxes, property taxes, sales and use taxes, fire service fees, or other fines or fees.

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

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

DEFINITIONS:

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


"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (*W. Va. Code §61-5-3*) that: (1) for construction contracts, the vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: The Thrasher Group, Inc

Authorized Signature:  Date: 8/21/2024

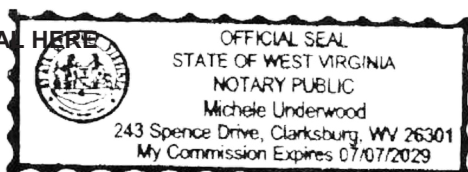
State of West Virginia

County of Harrison, to-wit:

Taken, subscribed, and sworn to before me this 21 day of August, 2024.

My Commission expires July 07, 2029.

AFFIX SEAL HERE



NOTARY PUBLIC



Purchasing Affidavit (Revised 01/19/2018)



300+

EMPLOYEES

- 36 Licensed Professional Engineers
- 10 Licensed Professional Surveyors
- 7 Licensed Professional Architects
- 3 Licensed Professional Landscape Architects

MAIN POINT OF CONTACT:

Doug Smith, PE, MBA
 Project Manager
 dsmith@thethrashergroup.com
 Cell: 304-435-9184
 Office: 304-624-4108



40+

YEARS

of delivering successful projects



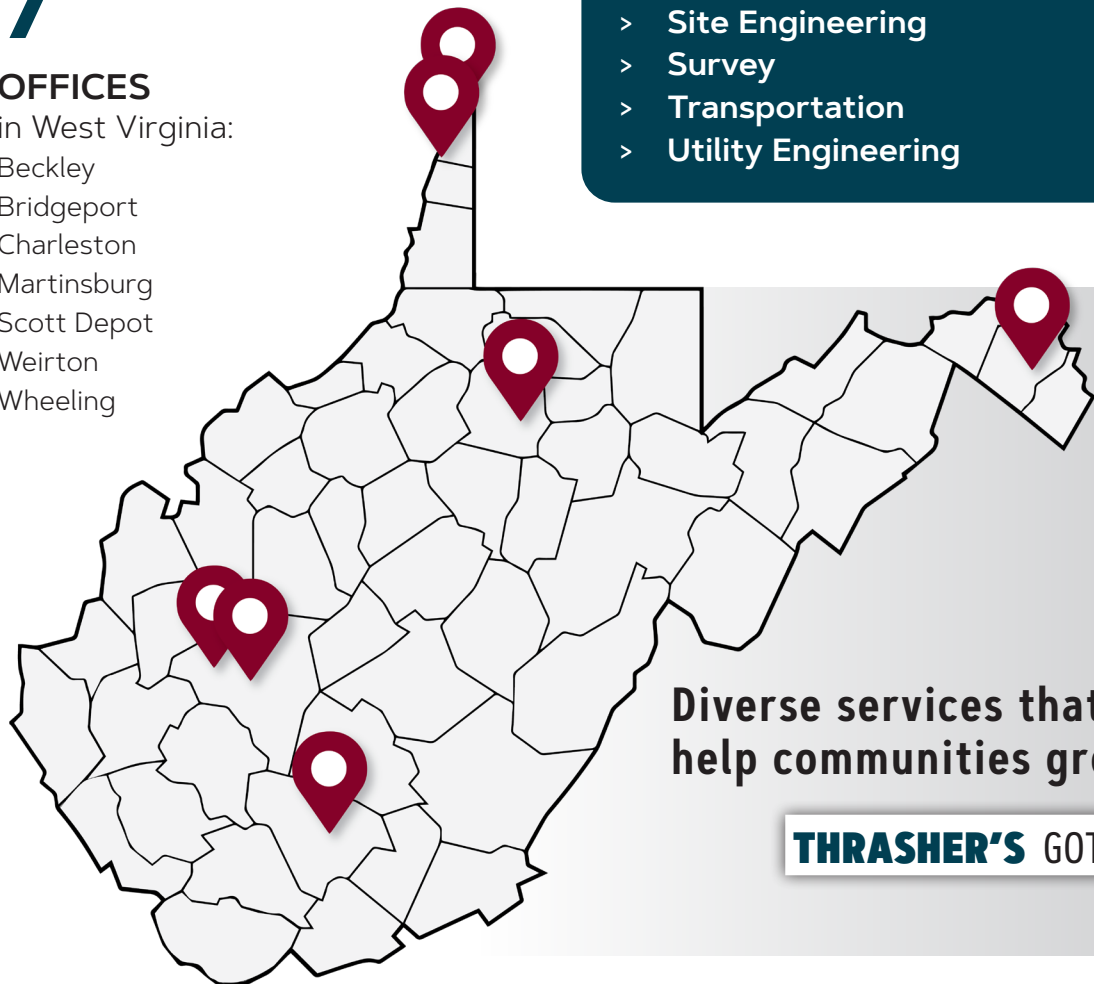
7

OFFICES

in West Virginia:
 Beckley
 Bridgeport
 Charleston
 Martinsburg
 Scott Depot
 Weirton
 Wheeling

OUR SERVICES

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



Diverse services that
 help communities grow.

THRASHER'S GOT IT

A critical step in meeting your goals is first ensuring we understand them. The Thrasher Group is a hands-on consultant who likes to be efficient and effective. Our experience with the design and development of waterline utility extensions and upgrades, large and small, has enabled us to develop a streamlined process.

Below is an outline of the necessary steps and approach that we will take to submit and adhere to the necessary project requirements for the new water treatment plant at West Virginia Army National Guard's Camp Dawson garrison.

► **GOAL/OBJECTIVE 1**

Thrasher will begin with a review of the program for the facilities and utilities, along with a review of existing layout details and site conditions. Communication with all stakeholders will be key to align project expectations with the budgetary, timeline, and physical constraints of the project. More details on our approach to communication can be found in the following pages.

► **GOAL/OBJECTIVE 2**

As a full-service architecture and engineering firm, Thrasher can provide all necessary services for this project, with the exception of geotechnical work should it be required. If the need arises to drill borings, we will work with one of our highly regarded partners to complete this piece of the puzzle. Our team will handle everything from site design, sizing of the waterline, layout details, connection details, and testing assurance of volume and pressure to providing environmental services.

We will perform all work in accordance with WVANG needs and objectives, maintain all current federal, state, military, and local codes and standards, and also adhere to your budget constraints.

► **GOAL/OBJECTIVE 3**

We recognize that WVANG requires specifications and associated cost estimates at the 35%, 65%, 95%, and 100% milestones. Our team will work to meet each of these milestones seamlessly, providing the requested updates throughout the project.

► **GOAL/OBJECTIVE 4**

Thrasher will assist the WVANG and all other stakeholders in preparation of the bid documents and will attend pre-bid meetings and assist in issuance of addenda. Construction administration always plays a major role in Thrasher's full-service approach. This is a piece that we feel is important to offer for every project. Our philosophy has proven time and time again to be incredibly successful, as the team at Thrasher consistently bids more projects than any other A/E firm in the state. Thrasher has the competent professionals your team needs to ensure your project is constructed correctly and functions as designed.

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 submission, 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 desired result.

Thrasher will establish a design kick-off meeting with the West Virginia Army National Guard 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 successful 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.

Based on the solicitation for bids, we understand that the primary project at hand for WVANG includes a waterline utility extension capable of providing fire suppression for billeting facilities located along Pierce Lake Loop Road, on the Camp Dawson garrison. However, beyond this 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 of needed services for the WVANG. Where applicable, we will provide design alternatives for your consideration. We will then prepare a written report of the conceptual designs and outline any discovered issues.

Thrasher's in-house survey team will provide design surveys as outlined below:

- » Provide a design survey of the water line corridor showing existing ground contours at a one-foot contour interval. The survey will indicate the location of existing utilities and improvements within the project area based on information provided by Owner and locations marked. Survey will include flood zone information and right-of-way.
- » The Project Manager, Doug Smith, PE, MBA, will meet with survey field personnel on a weekly basis to review progress and provide quality assurance

Based on available information and the design surveys described above, Thrasher will prepare complete construction plans and specifications in accordance with project requirements and applicable regulations as outlined below:

- » Based on field survey information and project requirements, a preliminary water line layout plan will be prepared, establishing the horizontal location of the proposed water lines. After the alignment has been approved by local officials, we will proceed with the final design.
- » We will prepare complete construction plans and details for the proposed improvements. The design will include a profile of the proposed water lines.
- » Prepare applications for and secure regulatory permits and/or approvals.
- » Prepare an engineer's estimate of probable construction costs for use in evaluating bids.
- » Meet with WVANG to review plans and cost estimates.

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 WVANG. 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 both preliminary design and final design.

Step 5 – Bid Process

Thrasher will assist the WVANG in preparation of the bid documents, attend pre-bid meetings, and assist in issuance of addenda.

Step 6 – Construction Administration

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

Thrasher will also develop a program to keep the WVANG aware of any potential construction issues. Our project team will prepare design repairs with the adjacent property owners in mind and 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 7 – 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 WVANG and any appropriate personnel as needed.



Communication Procedures

Communication throughout any project is a primary key to success. To that end, The Thrasher Group will begin communication with the WVANG immediately upon notification of award and will maintain consistent lines of communication for the duration of the project. This will ensure all parties involved - owner, contractor, and engineer - will always be apprised of the project happenings.

The two main components of the project approach will be design and construction. Each will have its own plan for communication.

Communication During Design

Prior to the initiation of design services, Thrasher's Project Manager, Doug Smith, PE, MBA, will discuss preferred methods of communication with the WVANG'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

No matter the methods preferred, 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' wants and needs.

Communication During Construction

Before construction begins, Doug will again meet with the WVANG 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 WVANG, 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 WVANG. 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 WVANG's construction representative on a weekly basis.





Budgeting

Construction estimating and budgeting is one of the most important parts 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.

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.



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.



Cost control

Thrasher follows four main cost control 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 in-house professionals, can tell you what something will cost in actuality if the need arises.

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.



QA/QC Procedure

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**

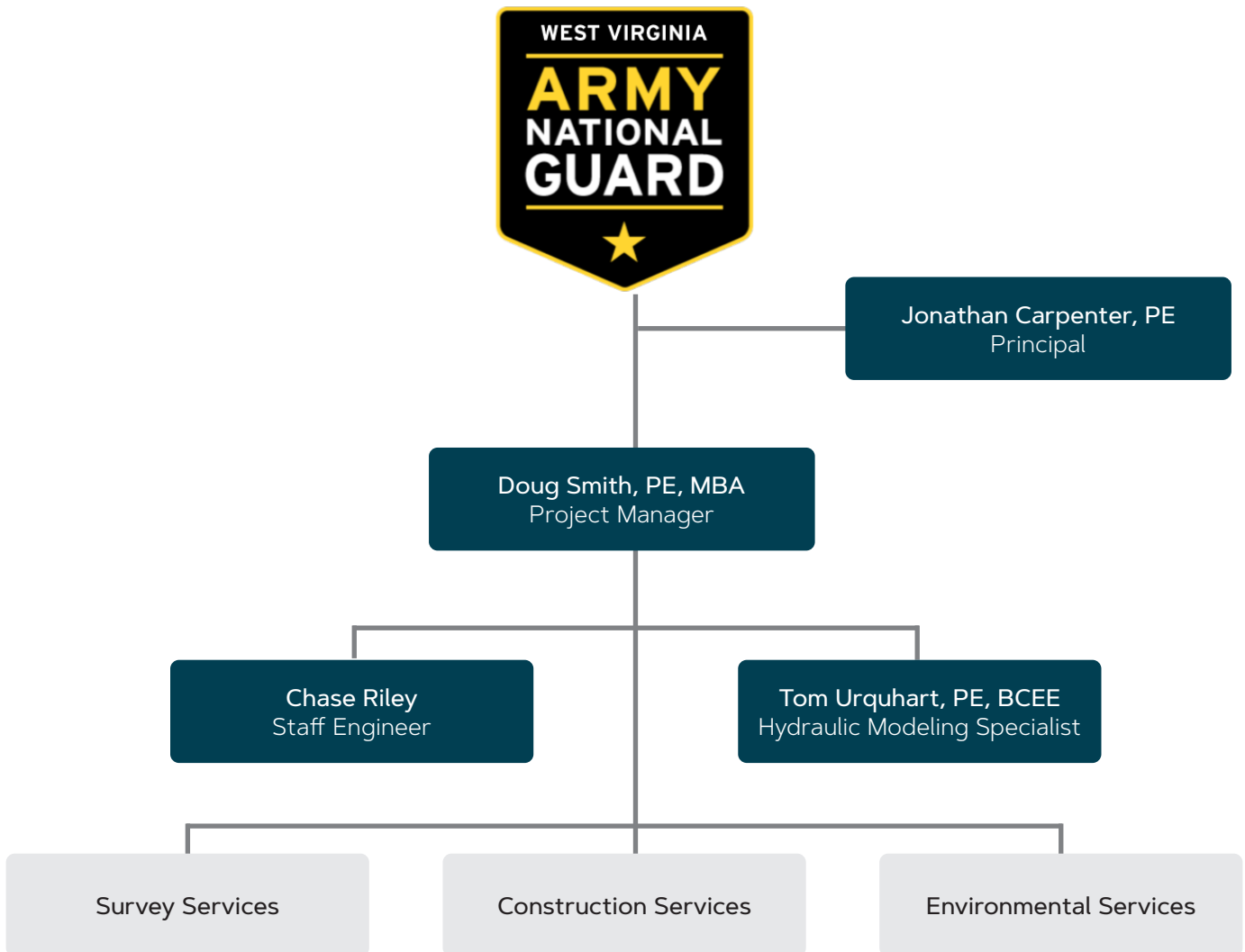
Defines the purpose, intent and limitations, definitions, and implementation

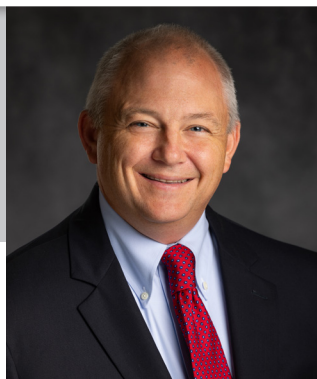
» **Project Management Procedures**

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





JONATHAN CARPENTER, PE

PRINCIPAL

Education

Bachelor of Science,
Civil Engineering
University of Tennessee

Registrations

Professional Engineer:

- > West Virginia
- > Maryland
- > Virginia
- > Ohio
- > Kentucky
- > Tennessee
- > South Carolina

Certifications

- > FAA Certified Pilot

Affiliations

- > AWWA West Virginia – Past National Director and Chairman
- > ACEC Water Resources Gold Award
- > ACEC Water Resources Silver Award
- > ACEC Waste and Storm Water Gold Award
- > AWWA Fuller Award Recipient

PROFESSIONAL OVERVIEW

Jonathan Carpenter, PE, serves as leader of the Water Resources Market. In this role, he oversees numerous public utility projects of varying size and complexity. Jonathan has been with Thrasher for over 26 years, and brings an unsurpassed expertise to the company, particularly as it relates to the design of water and wastewater treatment facilities.

Jonathan has spent the vast majority of his career working with West Virginia municipalities to help them identify issues within their water and sanitary sewer systems, and to develop innovative solutions that are both sustainable and economical. His diligent work throughout the state has garnered national recognition from the American Water Works Association (AWWA), where he was honored as a 2013 George W. Fuller Award recipient for his distinguished service to the water supply field and sound engineering skills.

EXPERIENCE

Camp Dawson Facility Spill Prevention Control Countermeasure Plan (SPCC)
Principal | Preston County, WV

Huntington Tri-State Airport Water Extension
Project Manager | Wayne County, WV

Craigsville Public Service District Tioga Water Line Extension
Principal and Project Manager | Nicholas County, WV

Lincoln County Public Service District Alkol, Bulger, Spurlockville, and Upper Mud Water Line Extensions
Project Manager | Lincoln County, WV

Mingo County Public Service District Naugatuck to East Kermit Water Line Extension Project
Principal | Mingo County, WV

Greenbrier County Public Service District #2 Russellville Road Water Line Extension
Principal | Greenbrier County, WV

City of Weirton Gallo Hydropillar Water Storage Tank and Water Line Replacement Project
Principal | Hancock County, WV

Ashland Scenic Campground, LLC Ashland Resort Utility Extensions
Principal | McDowell County, WV

Name:	JONATHAN C. CARPENTER
WV Professional Engineer:	PE License Number: 015425
	PE License Status: Active
	PE Issue Date: 12/18/2002
	PE Expiration Date: 12/31/2024
Continuing Education Claim:	Qualifying Hours from Last Renewal or Reinstatement: 31.35
	Carryover Hours for Next Renewal: 1.35
	Last Renewal or Reinstatement Date*: 12/27/2022
WV Engineer Intern:	EI Certification Number:
	EI Issue Date:
Primary Address of Record:	2045 PARKWOOD ROAD CHARLESTON, WV 25314
Primary Employer of Record:	THE THRASHER GROUP, INC. 300 ASSOCIATION DRIVE CHARLESTON, WV 25311



DOUG SMITH, PE, MBA

PROJECT MANAGER

Education

Bachelor of Science,
Civil Engineering
West Virginia University

Master of Business
Administration,
West Virginia University

Registrations

Professional Engineer:
> West Virginia

Certifications

> FAA Certified Pilot

Affiliations

- > American Water Works Association – Member
- > American Water Works Association – Past Chairman
- > American Water Works Association – George W. Fuller Award Winner
- > West Virginia Rural Water Association – Past President

PROFESSIONAL OVERVIEW

Doug Smith, PE, MBA, has spent the last 36 years managing, designing, and overseeing capital improvements and repairs to water, sanitary, and stormwater systems. In that time, he has served as a Design Engineer, Project Manager, Chief Engineer, and Assistant Manager, becoming an expert in the public utility sector and the many challenges and opportunities it presents. Doug provides supervision to construction management for water and sewer projects. He has developed the skills to efficiently manage project staff while providing effective supervision to customer contracts and depositors in need of construction services.

Doug values the importance of collaboration and coordination between various departments while also facilitating project meetings and agency discussions. His experience in dealing with the regulatory communities is also an invaluable part of his skill set as it helps his clients understand all options available to them. He also plays the role as client liaison to provide an exceptional customer experience and work with organization leaders.

EXPERIENCE

Preston County Public Service District #1 Water Line Extension and Masontown Interconnection

Project Manager | Preston County, WV

Cobun Creek Raw Water Line

Project Coordinator and Manager | Monongalia County, WV

Chaplin Hill Industrial Park Water Tank, Booster Station, and Water Line Extension

Project Manager/Design Engineer | Monongalia County, WV

Whispering Woods Subdivision Water System Extension

Project Coordinator and Manager | Monongalia County, WV

City of Keyser Water Line Extensions

Project Manager | Mineral County, WV

Town of Bath Phase IV Water Line Extension

Project Manager | Morgan County, WV

Greater Harrison Public Service District Steven's Run Water Line Extension

Project Manager | Harrison County, WV

Lewis County Economic Development Authority Phase I Water Extension

Principal | Lewis County, WV

Search: Details

Name:	DOUGLAS R. SMITH
WV Professional Engineer:	PE License Number: 011841
	PE License Status: Active
	PE Issue Date: 02/26/1993
	PE Expiration Date: 12/31/2024
Continuing Education Claim:	Qualifying Hours from Last Renewal or Reinstatement: 37.05
	Carryover Hours for Next Renewal: 7.05
	Last Renewal or Reinstatement Date*: 12/28/2022
WV Engineer Intern:	EI Certification Number: 5641
	EI Issue Date: 04/16/1988
Primary Address of Record:	2106 HILLARY DRIVE MORGANTOWN, WV 26508
Primary Employer of Record:	
	<p>* 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.</p>



Education

Bachelor of Science
Civil Engineering
West Virginia University

CHASE RILEY

STAFF ENGINEER

PROFESSIONAL OVERVIEW

Chase Riley is a Staff Engineer in Thrasher's Water Resources Market. He works with public utility clients across the Mid-Atlantic region, helping to solve complex water and sanitary sewer problems. His role primarily consists of preparation of Preliminary Engineering Reports, cost estimates, submittal reviews, contract agreements, and design of water and sewer utilities.

Prior to his work in the office, Chase spent two (2) summers interning as a Resident Project Representative for the Water Resources Department at the Thrasher Group, Inc. inspecting and reporting on the installation of water and sewer systems in the North Central, West Virginia area. This experience is an asset to Chase's current role, giving him in-depth knowledge of the construction process and a clear understanding of what should be included in his projects' daily reports.

EXPERIENCE

Town of Bath Phase IV Water Line Extension

Staff Engineer | Morgan County, WV

Grant County PSD Water Tank Improvements

Project Engineer | Grant County, WV

Town of Marlinton Water System Improvements Project

Project Engineer | Pocahontas County, WV

Warm Springs PSD and Town of Bath US 522 Water and Sewer Line Extensions

Staff Engineer | Morgan County, WV

Warm Springs PSD Berkeley Springs Sanitary System Improvements Project

Staff Engineer | Morgan County, WV

Berkeley County Public Service Sewer District Cemetery Interceptor Sanitary Sewer Replacement

Staff Engineer | Berkeley County, WV

Berkeley County Public Service Sewer District Whitebush Landing Pump Station

Staff Engineer | Berkeley County, WV

Berkeley County Public Service Sewer District Opequon Hedgesville Wastewater Treatment Plant Upgrades

Staff Engineer | Berkeley County, WV

Berkeley County Public Service Sewer District Midway WWTP Decommission

Staff Engineer | Berkeley County, WV



TOM URQUHART, PE, BCEE

HYDRAULIC MODELING SPECIALIST

Education

Bachelor of Science,
Civil Engineering
West Virginia University

Master of Science,
Civil Engineering
West Virginia University

Registrations

Professional Engineer:

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

*Expired

Certifications

- > Board Certified Environmental Engineer (BCEE)
- > Certified Master Modeler by Haestad Methods for Water Systems

PROFESSIONAL OVERVIEW

Following 33 years as chief engineer and general manager for the Morgantown Utility Board, Tom Urquhart joined Thrasher to focus his engineering expertise in quality control and hydraulics modeling for both water and wastewater systems utilizing KY Pipe Modeling. Tom, a Board Certified Environmental Engineer (BCEE), has an expansive background in civil engineering for public utility entities where he has been responsible for the design and construction of water storage tanks, new water and sanitary sewer lines, various line replacements, pump stations, and new water and wastewater treatment plants. He also has vast experience in the management and operations of public utility systems. As a result of his excellent management and operations work, Tom was awarded the George Fuller Award from the American Water Works Association for his time spent at the Morgantown Utility Board. This award was earned as recognition for his superior budgeting skills and rate structure development standards.

EXPERIENCE

Town of Terra Alta Corinth Extension Modeling

Hydraulic Modeling Engineer | Preston County, WV

Preston County Economic Development Authority Water Line Extensions to Hazelton Federal Prison

Hydraulic Modeling Engineer | Preston County, WV

Town of Rowlesburg Water Treatment Plant and Water Line Extensions

Hydraulic Modeling Engineer | Preston County, WV

Chestnut Ridge Public Service District Water Line Extensions

Hydraulic Modeling Engineer | Barbour County, WV

City of Milton Hydraulic Modeling to Eliminate Booster Station, Resolve Pressure Issues, and Two Major Extensions

Hydraulic Modeling Engineer | Cabell County, WV

Greater Harrison Public Service District Hydraulic Modeling for Improvements and Extensions

Modeling Engineer | Harrison County, WV

Town of Burnsville Route 5 Water Line Extension and Water System Improvements

Hydraulic Modeling Engineer | Braxton County, WV

City of Bridgeport Lift Station #9 Forcemain Extension

Hydraulic Modeling Engineer | Harrison County, WV



TOM SEELY FURNITURE COMPANY

Fire Pump and Water Tank for Fire Flow Storage

Client Contact:

Ms. Donna Burdock, COO
5270 Valley Road | Berkeley Springs, WV 25411
304-258-2443

Tom Seely Furniture Company expanded their manufacturing facility, with need for a new sprinkler system. Their previous system did not have adequate pressure and volume to accommodate new NFPA fire codes.

Thrasher designed a fire pump and 285K gallon capacity water tank to fulfill their fire suppression system requirements.

Also included in the project was the drilling of a water well to provide initial water for the tank and replenishment water. Fire supply lines were installed on site including fire hydrants and tie-ins.



NORTH CENTRAL REGIONAL AIRPORT Fire Protection System Upgrade

Client Contact:

Mr. Richard Rock, Airport Director
2000 Aviation Way| Bridgeport, WV 26330
304-842-3400

Benedum Airport Authority was approached by Bombardier Aircraft Services Center and KCII Aviation to upgrade the existing fire protection system located at the North Central West Virginia Airport to provide for a greater fire flow rate and pressure demand.

The Benedum Airport Authority (North Central WV Airport) in conjunction with the City of Bridgeport secured US EDA grant funding to upgrade the fire protection system that consisted of 2.0 10 LF of 12" D.I. CL-50, 2, 105 LF of 16" D.I. CL-50, 2,830 LF of 24" D.I. CL-50, 4,500 GPM Fire Pump System, 50 ILF of 32" Steel Casing Bore and Jack, 260 LF of 48" Steel Casing Bore and Jack under the existing runway, and several miscellaneous items.

The project involved increasing the size of the city service to feed the proposed pumps and then installing large outlet pipes to serve existing facilities and areas of future growth with the airport property on both sides of the runway/taxiway.

The proposed project secured approximately 400 jobs already in existence and provided the potential to create over 100 new jobs. Total construction cost was approximately \$2.16 million.





NORTON-HARDING-JIMTOWN PUBLIC SERVICE DISTRICT Water Line Extensions

Client Contact:

Mr. Curtis Elmore, General Manager
P.O. Box 87 | Norton, WV 26285
304-636-6223



Both private citizens and the local economy benefited from this water line extension project in northwestern Randolph County.

The project involved the extension of water service to approximately 31 customers in the Kingsville area and also provided water service to Leslie Equipment Company, allowing for company expansion that resulted in additional jobs.

Thrasher provided preliminary engineering, design, and construction related services – such as construction monitoring, survey, hydraulic testing, and materials testing – and other services as related to the engineering agreement.

The project involved the design and construction of over five miles of 6" and 8" water line and the construction of a 158,000-gallon water storage tank.





CRAIGSVILLE PUBLIC SERVICE DISTRICT

Tioga Water Line Extension

Client Contact:

Mr. Gary Robinson, General Manager
18740 Webster Road | Craigsville, WV 26250
304-742-5280

Thrasher completed a nearly \$2 million water line extension project for the Craigsville Public Service District now serving almost 100 new customers. This USDA and AML-funded project ultimately eliminated a community cistern in Tioga and extended potable water and fire protection to the new customer base.

Thrasher's team worked hard to maximize Craigsville's money and saved enough money on the extension project to help them purchase equipment and trucks and complete various improvements, such as repainting at another tank owned by the PSD. Through innovative funding and design, we were able to deliver the client these additional assets at no extra fee to the water customers.

Thrasher is currently designing improvements for their water system including water treatment plant upgrades, water transmission mains, and additional water storage improvements.



TOWN OF ELIZABETH Water Line Extensions

Client Contact:

Ms. Bobbi Moore, Mayor
P.O. Box 478 | Elizabeth, WV 26143
304-488-1906



The Town of Elizabeth owned and operated its own water treatment, distribution, and storage facilities, serving customers in the Town and surrounding areas. In order to expand their service area, the Town hired Thrasher to assist them in the planning, design, and construction of improvements to their system and extension of distribution lines.

At the start of Phase I, the Town of Elizabeth provided water to approximately 638 residential and 47 commercial customers. The water treatment plant, owned by the Town, was outdated and unable to provide potable water in accordance with the WV Bureau of Public Health standards. As a result, the Town chose to purchase water from Claywood Park Public Service District.



Working hand-in-hand with the Town, Thrasher provided design and construction services for a water transmission line along State Route 14, north of Mineral Wells, in order to purchase water from the Claywood Park PSD. This tie-in allowed the existing water treatment plant to be abandoned. The Town retained its existing water storage facilities consisting of two (2), 200,000-gallon welded steel reservoirs located at opposite ends of town and constructed new standpipes: a 156,000-gallon standpipe located on Elizabeth Hill and a 100,000-gallon standpipe located on the Fish Hatchery Road. In order to fill the existing tanks, additional pump stations were constructed.

With a reliable source of water provided by Claywood Park PSD in place, the Town of Elizabeth was able to extend their service to other areas within the county.

This project included the construction of water line extensions to the areas of Garfield Road Route 14 South, Wells Lock Road, Route 5 to Burning Springs, and Route 53. This project provided potable water service to 239 new customers.

The Town recently completed a project to extend potable water service to four (4) rural areas that provided potable water service to over 100 customers. The project included water line extensions to the areas of Fish Hatchery Road, Munday Road, Enterprise Road, and the Creston area. In addition to the water line extensions, the project included systemwide water meter replacements.



SUN VALLEY PUBLIC SERVICE DISTRICT

Water System Extension and Upgrade

Client Contact:

Mr. Kevin Short, General Manager
PO Box 95 | Reynoldsville, WV 26422
304-623-9609

The Sun Valley Public Service District was approached by a group of citizens about extending its water service to a number of areas – both inside and outside the PSD’s existing boundaries – in an effort to get a reliable source of potable water to the region. At the same time, the City of Salem was experiencing significant issues with its water treatment plant, which was out of compliance and past its useful life.

The West Virginia Infrastructure Council, however, referred both Salem and Sun Valley’s projects to the Consolidation Committee, which ruled that the best long-term solution for each system’s problems would be for Salem to purchase water from Clarksburg via Sun Valley PSD.

Thrasher, who was already the engineering firm for the City of Salem, was hired to complete the necessary work for Sun Valley. Thrasher’s Water Resources Market extended Sun Valley’s main trunk line to Salem’s city limits. They then upgraded the water line size, increased the pump rate of the booster station, and increased the water storage tank size.

Additionally, the project required the design and construction of nearly 38 miles of water distribution lines, two water storage tanks, several new booster stations, and upgrades to several other existing stations in order to properly serve the approximately 435 new customers in the Sun Valley service area and the 844 customers in Salem.



HUGHES RIVER WATER BOARD Water Tank Upgrade

Client Contact:

Mr. Alan R. Haught, Mayor
P.O. Box 243 | Harrisville, WV 26362
304-643-2719

The Hughes River Water Board's original water plant and system components have been well-maintained since initial installation; however, the existing welded steel 500,000-gallon storage tank (Old Tank #1) showed signs of aging and was undersized. In an effort to keep the water treatment plant at optimum efficiency and production capabilities, the Board proposed upgrading the existing storage tanks.

The project included installing a new 855,000-gallon water storage tank and rehabilitating the existing 1MG water storage tank. The Hughes River Water Board selected Thrasher to be their engineering partner for this project.

The rehabilitation of the existing glass-lined storage tank included reconditioning interior and exterior seams, new anode bars, exterior chemical wash, and miscellaneous repairs as needed. The new tank provided a much-needed bump in capacity for the system and a more reliable structure.

Altogether, the project cost a total of \$1.8 million and was entirely grant funded. The Ritchie County Commission contributed \$650,000 of their American Rescue Plan Act (ARPA) allocation, the West Virginia Water Development Authority's Economic Enhancement Grant Fund provided another \$650,000, and the West Virginia Jobs and Infrastructure Council contributed \$500,000.

Town of Marlinton

Mr. Sam Felton, Mayor
709 Second Avenue
Marlinton, WV 24954
304-799-4315

Sun Valley Public Service District

Mr. Kevin Short, General Manager
PO Box 95
Reynoldsville, WV 26422
304-623-9609

Hughes River Water Board

Mr. Alan R. Haught, Chairman
PO Box 243
Harrisville, WV 26362
304-643-2719



THRASHER