

**WEIRTON AREA WATER BOARD  
BROOKE COUNTY, WEST VIRGINIA**

**CONTRACT #1 – WATER TREATMENT PLANT**

**ADDENDUM #1**

**September 27, 2023**

**THRASHER PROJECT #010-01233**

TO WHOM IT MAY CONCERN:

A Pre-Bid Conference was held on Tuesday, September 26, 2023, on the above-referenced project. A copy of the sign in sheet and meeting minutes are included in this Addendum #1. The following are clarifications and responses to questions posed by contractors for the above reference project.

**A. GENERAL**

1. The deadline for questions is 4:00 PM Friday, October 13, 2023.
2. The Engineer's estimate of probable construction costs is \$27,000,000.00.

**B. SPECIFICATIONS**

1. **REPLACE** Supplemental General Conditions: Exhibit B – Geotechnical Report Waiver, included with this Addendum #1.
2. **CHANGE** Section 013300 – Submittal Procedures Part 1.5.E to read, “Paper Submittals: Contractor shall submit ONE (1) hard copy of each submittal to Engineer as a supplement to electronic submittals. Submittals shall be full size paper submittals.”
3. **CHANGE** Section 263213 – Packaged Engine Generators Part 2.1.A to insert “3. Kohler” in the list of accepted manufacturers.

**C. DRAWINGS**

1. **DELETE** Demolition Note 2 from Sheet 5B.
2. **CHANGE** Sheet 11K labeling the top Elevation View as the “WEST ELEVATION”.

## **D. QUESTIONS AND RESPONSES**

### **QUESTION**

1. Part 1.5 A.7 of Section 332100 – The diameter of the radial collector well caisson is specified as 16 feet. Is this diameter the inside diameter or the outside diameter of the caisson? Please provide both dimensions.

### **RESPONSE**

The well caisson has an inner diameter of 16 feet and an outer diameter of 19 feet.

### **QUESTION**

2. Part 3.1.C of Section 332100 specifies that new collector well laterals are to be installed horizontally in a straight line throughout their full length. Any deviation from horizontal is to be brought to the attention of the Owner, and a decision will be made whether to terminate the lateral jacking. Due to the techniques used within the industry to install collector well laterals, deviation from horizontal is the norm and not the exception. Reynolds proposes that a deviation of more than 18 inches within 100 feet of horizontal projection be considered the limit at which the Owner and Contractor make the joint decision as to whether or not to terminate new lateral projection.

### **RESPONSE**

Engineer and Owner take no exception to a deviation less than 18 inches per 100 feet.

### **QUESTION**

3. Part 3.2.A of Section 332100 specifies that lateral screens are to be developed through impulse-generation (pressure-pulse) development...Reynolds proposes to develop the new lateral well screens at Weirton through mechanical means utilizing a high-pressure rotating water jet. High pressure jetting has been the standard development technique within the industry for many years and has proven successful in the development of a host of collector wells across the country...Reynolds requests that mechanical development utilizing a high-pressure rotating water jet be approved as a means of developing the new collector well lateral screens proposed for this project.

### **RESPONSE**

High-pressure jetting is considered an acceptable alternative technique for the development of new well laterals.

**QUESTION**

4. Part 3.3A of Section 332100 state that the existing collector well laterals be abandoned by removing the gate valve and installing a blind flange at the lateral port assembly. However, Demolition Note 2 on Plan Sheet 5B states that the lateral piping will be abandoned in place by filling with low strength flowable fill. Please clarify how the existing laterals are to be abandoned.

**RESPONSE**

Flowable fill/grouting of the existing laterals is not required.

**QUESTION**

5. Plan Sheets 5B and 5E show the location of an existing “Observation” lateral. What is the purpose of this “Observation” lateral and what is its diameter, length, and current operational status.

**RESPONSE**

The observation lateral is a 6” diameter pipe extending outward from the caisson approximately 29 feet. It was originally used for measuring the water level in the aquifer immediately outside the caisson but is no longer in service.

**QUESTION**

6. Plan Sheet 2 shows the location of (2) well borings and (9) bore holes which have been drilled at the water treatment plant site. Can well logs be provided for these well borings and bore holes and are gradation analysis data available for soil samples collected during drilling?

**RESPONSE**

This information is included in two subsurface reports prepared by American GeoTech, Inc. and Layne, a Granite Company. Thrasher will provide copies of these reports upon receipt of a signed waiver.

**QUESTION**

7. Has funding been secured for the project?

**RESPONSE**

Yes.

**QUESTION**

8. What is the plan for dealing with a bid overrun?

**RESPONSE**

All bids are subject to a 90-day bid hold. If necessary, Weirton will apply for additional funding through the West Virginia Water Development Authority's Economic Enhancement Grant Fund.

**QUESTION**

9. Is all the work of the project being performed under a single contract?

**RESPONSE**

Yes.

**QUESTION**

10. Will weekend work be acceptable?

**RESPONSE**

Yes. Selected Contractor may perform work on weekends between 8:00 a.m. and 4:00 p.m. Contractor shall notify Owner of weekend work at least one week in advance.

**QUESTION**

11. Will the geotechnical and hydrological reports be included in the Addendum?

**RESPONSE**

Reports on the subsurface conditions at the WTP will be provided only after receipt of a signed waiver acknowledging that these reports are for informational purposes only. The revised waiver is included with this Addendum #1. Send a pdf copy of the signed waiver to Engineer, and we will forward you copies of both reports.

**QUESTION**

12. When will the contract be awarded?

**RESPONSE**

The contract will be awarded 60-90 days after bid opening.

**QUESTION**

13. Who will be responsible for construction management?

**RESPONSE**

Construction management will be performed by Thrasher.

**QUESTION**

14. Will delegated design pre-cast concrete tanks be an acceptable alternative for new process structures?

**RESPONSE**

Yes.

**QUESTION**

15. Will Weirton allow contractors to conduct site visits.

**RESPONSE**

Yes. Coordinate site visits with Assistant Utilities Director, Jasen Havens. Jasen can be reached by cell phone at (304)-479-0158.

**QUESTION**

16. Was the pre-bid meeting mandatory?

**RESPONSE**

Yes.

**E. CLARIFICATIONS**

1. Pre-Bid Meeting Minutes and Sign-In Sheets from the Pre-Bid Conference are included with this Addendum #1.
2. Davis-Bacon Wage Rates DO apply to this project.
3. DBE Requirements DO apply to this project.
4. Buy American Build American (BABA) requirements DO apply to this project. If a waiver is received, this will be communicated via a future addendum.

5. B&O Taxes DO apply to this project. The B&O tax is 2% for all costs over \$100,000.00.
6. A City of Weirton Business License is required for the project. The license fee is \$15.
7. A City of Weirton Building Permit is required for this project. The fee schedule for Building Permits is included with this Addendum #1.
8. Bidders are hereby notified to acknowledge receipt of all addenda in the space provided within the Bid Opening Requirements and on the Bid Form.

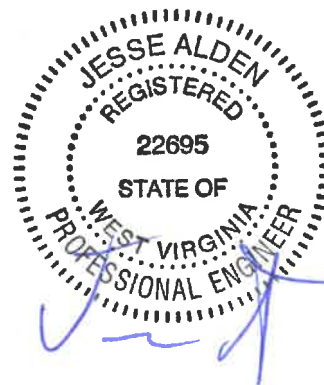
If you have any questions or comments, please feel free to contact me at your earliest convenience. As a reminder, bids will be received until 11:00 a.m. on Thursday, October 26<sup>th</sup>, 2023, at 200 Municipal Plaza, Weirton, WV. Good luck to everyone and thank you for your interest in the project.

Sincerely,

THE THRASHER GROUP, INC.



JESSE ALDEN, P.E.  
Project Manager



9-27-2023

*Enclosures: Pre-Bid Meeting Sign-In-Sheet  
Pre-Bid Meeting Minutes  
Revised Geotechnical Report Waiver  
Weirton Building Permit Fee Schedule*

**WEIRTON AREA WATER BOARD  
BROOKE/HANCOCK COUNTY, WEST VIRGINIA  
WATER TREATMENT PLANT UPGRADE**

**PRE-BID CONFERENCE**  
Tuesday, September 26<sup>th</sup>, 2023

Thrasher Project #010-01233

Name	Representing	Phone #	Email Address
JESSE ALDEN	THRASHER		
Nick Sylvester	Va/Tronics	304-532-2154	SylvesterN@va/tronics.com
Craig DELANEY	VACTRONICS	304-210-2596	DELANEY@VACTRONICS.COM
Elijah Schultz	Thrasher		
John Rose	Triton Constructo	304-590-2449	john.rose@tritonuv.com
Richard Ohalek	WSB	304-374-6121	
DANNY KUZMA	WSB	304-374-1932	
James Bell	Layne	614 519 9781	James.Bell@jinc.com
Mike Hartman	Layne	614-888-6263	Mike.Hartman@jinc.com

Name	Representing	Phone #	Email Address
Kevin Dorwart	ECON	412 699 2537	kevin.dorwart@contech.com
Eric Moreland	ECON	412-935 8716	ericmoreland@contech.com
Greg Stone	Reynolds	(812) 653-4134	greg.stone@reynolds.com
A.D. Mastromontone	WA WB	304-374-1923	cedmast@wvwest.iti-inc.com
Michael Gianni	James White Const. Co.	304-748-8181	mjgianni@jameswhiteconstruction.com
John M. Ladd	Extreme Endeavors	856-264-1385	JEM@extreme-endeavors.com
Ben Erste	BHI-MPC	740-282-3685	berste@bhjmpc.org
Jesse B. Havens	WAWB	304-479-0266	jhavens@weirutilities.com
Steve McMannis	Mele & Mele & Sons	412-606-3863	
ISAIAH WASCHTE DAVE BEALER	DUTCHMAN D LLC	717- <del>220</del> <sup>471</sup> -8405	ilasche@dutchmandllc.com
Don Carpenter Jason Welch	Cattrell Companies	304-639-4885	dcarpenter@cattrell.com
Bm Crowder	Kokosing Industrial Inc	412-518-2177	tmc@koking.biz



**WEIRTON AREA WATER BOARD**

**125 East Belleview Drive  
Weirton, WV 26062  
Phone: (304)-740-5020  
Fax: (304)-740-5023**

**THE THRASHER GROUP, INC.**

**1000 Corporate Landing  
Charleston, WV 25311  
Telephone # (304) 343-7601  
Fax: (304)-343-7604**

**PRE-BID MEETING MINUTES**

**PROJECT LOCATION:** Brooke County, West Virginia

**ENGINEER'S PROJECT #:** 010-01233

**DATE OF CONFERENCE:** Tuesday, September 26, 2023, at 10:00 A.M., EDT

**CONFERENCE LOCATION:** Weirton Municipal Building – Council Chambers  
200 Municipal Plaza  
Weirton, WV 26062

## PRE-BID MINUTES

### I. Introductions

- **Butch Mastrantoni: Utilities Director**
- **Jasen Havens: Assistant Utilities Director (Water)**
- **Jesse Alden: Project Manager**
- **Elijah Schultz: Staff Engineer**
- **Ben Erste: BHJ Administrator**

### II. General Project Description

**Our goal is to expand the facility's capacity from 4.0 MGD to 8.0 MGD. New structures include pre-sedimentation basins (with pump station), settling train with rapid mixers, flocculators, and plate settlers, expansions of the filter building and clearwell, a third backwash decant tank, and a second sludge thickener. We will also be replacing existing equipment and infrastructure which has reached the end of its useful life.**

### III. General Bidding Information

#### a. General

#### 1. Contract #1 – WTP Upgrade

- Bid Opening Thursday October 26, 2023, at 11:00 AM EDT.**
- Bid Opening will be in the same building location as Pre-Bid but in Room 201.**

#### 2. Two-Envelope System

- Envelope 1: Contains BOR (in blue) and Envelope 2.**
  - **Name and address of bidder**
  - **“Bid for Contract #1: Water Treatment Plant Upgrade”**
  - **“Weirton Area Water Board”**
- Envelope 2: Contains Bid Form (in yellow).**
  - **Place in Envelope 1.**
  - **Label “Bid Proposal**

**3. Contract Time**

- i. Substantial Completion: 540 days**
- ii. Final Payment: 570 days**
- iii. Liquidated Damages: \$1,000.00/day**

**b. Bid Opening Requirements:**

**Blue pages, to be included in Envelope 1.**

- 1. Bid Submitted on Time**
- 2. Attended Mandatory Pre-Bid Conference**
- 3. Certification of receipt of all addenda to Plans/Specs**
- 4. Bid Bond**
- 5. Certification of Non-Segregated Facilities**
- 6. EEO Certification**
- 7. West Virginia Drug Free Workplace Conformance Affidavit**
- 8. Build America, Buy America Act Certification**
- 9. Disadvantaged (Small, Minority & Women's) Business Enterprises Certification**
- 10. Copy of current WV Contractor License**

**c. Bid Form:**

**Yellow pages, to be included in Envelope 2. 5 LS Bid Items, including an allowance for chemical feed equipment.**

**d. Method of Award**

**Lowest responsive responsible bidder.**

**IV. Details of Project**

**a. Construction Sequence of Events**

**See Section 011000 - Summary for a suggested sequence of events. The overall goal is to minimize disruptions to Owner's ability to treat water and maintain operations during construction.**

**b. Material and Equipment**

- Replace raw water pumps and controls.**
- Replace well pumps and controls.**
- Install new well laterals. Abandon existing in place.**

- **Construct new pre-sedimentation basins with sludge removal equipment. Build pump station to transfer water back to main process.**
- **Remove 4 existing air strippers. Install 8 new ones.**
- **Construct new rapid mixers, flocculators, and sedimentation basins with common walls. Rapid mixers and flocculators will contain mixers. Sedimentation basins will contain plate settlers and sludge collection equipment.**
- **Remove and replace existing filter media.**
- **Expand filter building and clearwell. Install new filter units with media, underdrains, backwash troughs, air scour blower, and controls. Install curtain baffles in clearwell.**
- **Modify existing filter piping.**
- **Renovate existing filter building. Replace roof and windows. Construct an ADA access ramp. Reconfigure HVAC.**
- **Remove and replace distribution and backwash pumps and piping.**
- **Remove and selectively replace chemical feed equipment. Subject to allowance.**
- **Construct new backwash decant tank with sludge removal equipment.**
- **Chemical feed system upgrades.**
- **Construct new sludge thickener with equipment and controls.**
- **Install new sludge press in existing sludge handling building.**
- **Paint existing backwater water storage tank.**
- **Install sludge transfer pumps in valve vaults around site.**
- **Modify site piping to accommodate new structures.**
- **Integrate new equipment with existing SCADA system.**
- **Upgrade site electrical service. Coordinated with First Energy.**
- **Engineer's Cost Estimate: \$27,000,000.00.**

c. Existing Conditions

**Thrasher has two reports on existing subsurface conditions. The first, conducted by American GeoTech, covers soil conditions beneath proposed new structures and provides recommendations for foundations and dewatering. The second, conducted by Layne, a Granite Company, assesses the soil and hydrological conditions near the existing groundwater well. Waivers are available for Contractors to be provided with copies of these reports.**

V. Submittals

**See Section 013000 for details. Submittals will be submitted electronically via Submittal Exchange. However, one (1) supplemental paper copy is also required for submission to the Engineer.**

VI. Permits: **All permits have been obtained for the project.**

- a. **Bureau for Public Health Permit**
- b. **NPDES Construction Stormwater permit**
- c. **EPA Categorical Exclusion**

VII. B & O Taxes/Building Permits –

- a. **B&O Taxes are 2% for all costs over \$100,000**
- b. **A City of Weirton Business License is required - \$15.00**
- c. **A City of Weirton Building permit is required - \$5/\$1,000 of construction**

VIII. Addressing Questions

**Questions will only be accepted via email:**

**Jesse Alden [jalden@thethrashergroup.com](mailto:jalden@thethrashergroup.com) and copy**

**Elijah Schultz – [eschultz@thethrashergroup.com](mailto:eschultz@thethrashergroup.com).**

**Reference Weirton Area Water Board – Contract #1: Water Treatment Plant Upgrade. Please cite plan sheets and specification sections relevant to your questions.**

IX. Addendum

**Last day for questions is 4:00 PM Friday, October 13, 2023. Final addendum will be sent to all plan holders by COB on October 20, 2023.**

X. Funding Agencies

**This project is funded by a Congressionally Directed Spending (CDS) grant. Administered by USEPA, a loan from WVIJDC, and a grant from the WDA EEGF. Federal wage rates DO apply to this project. BABA requirements apply to this project. Weirton has requested a waiver, but EPA has not made a decision. For now, prepare bids assuming BABA applies. Thrasher will issue an addendum if the waiver is confirmed.**

XI. Brooke Hancock Jefferson Metropolitan Planning Commission

XII. Weirton Area Water Board

XIII. Site Visits

a. **Site Visits to be coordinated with Jasen Havens**

i. **Monday – Friday; 8:00pm – 4:00pm**

ii. **Contact information – 304-479-0266**

XIV. Question and Answer Session

**EXHIBIT B - GEOTECHNICAL REPORT WAIVER**

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**RECEIPT, NOTICE AND DISCLAIMER**

The undersigned, by the appropriate representative and agent, requests and hereby acknowledges receipt of the attached subsurface information consisting of two reports known as “Report of Geotechnical Exploration & Engineering Analysis” and “Test Borings for Ranney Collector Well Rehabilitation Planning”. These reports have been prepared by American GeoTech, Inc. and Layne, A Granite Company, respectively.

The undersigned hereby agrees that none of the Weirton Area Water Board, The Thrasher Group, Inc., American Geotech, Inc., or Layne, A Granite Company will be held liable or responsible for any information contained in the soils boring reports. The reports are being provided for information purposes only, and do not guarantee the accuracy or completeness of the information.

By requesting and receiving the attached information, the undersigned acknowledges, agrees, and understands that the undersigned has been given notice as follows:

(1) The attached information and reports are provided to the undersigned only upon the undersigned’s specific request.

(2) The attached information is for informational purposes only and was not prepared for use by contractors in preparing bids for the subject project.

(3) The attached information carries with it no warranties or representations as to its accuracy.

(4) The attached information may lead to one or more varying conclusions about the subsurface conditions underlying the subject project, and the project’s owner and engineer disclaim responsibility for the accuracy or completeness of the information contained in the attached report.

(5) Inferences and conclusions drawn from the attached information concerning design, cost estimates, and any matter relating to construction of the subject project, are solely within the judgement and discretion of the undersigned.

(6) Information concerning subsurface conditions derived from borings, core drillings, or similar techniques, such as provided in the attached reports, only reflects conditions at the drilling locations on the dates of drilling. Due to geological characteristics and other subsurface conditions, the attached may not provide accurate or reliable information as to subsurface conditions at the site during construction and beyond the boring or core hole itself.

(7) Reliance and use by the undersigned for any purpose of the attached information, or a portion thereof, is done by the undersigned at its option and at its risk.

(8) This receipt will remain attached to the front outside cover of the attached information at all times.

DATED this the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Company or Business

\_\_\_\_\_  
Witness

\_\_\_\_\_  
Authorized Representative

# City of Weirton

## Building and Zoning Permit Schedule

### Permits Residential

Zoning Permit -accessory	\$15.00
New business/SFD/addition/attached garage	\$25.00
<u>Building Permit</u>	<u>Cost of Project</u>
\$0	\$0 to \$1,000
\$10	\$1,001 to \$2,000
\$5.00/thousand	\$2,001 to \$1,000,000
\$2.50/thousand	\$1,000,001 and above

### Permits Commercial & Industrial

<u>Zoning Permit</u>	
\$25.00	Under 1 acre
\$25.00	1 acre site
\$10.00	each additional acre
<u>Building Permit</u>	<u>Cost of Project</u>
\$5	\$0 to \$1,000
\$10	\$1,001 to \$2,000
\$5.00/thousand	\$2,001 to \$1,000,000
\$4.00/thousand	\$1,000,001 to \$5,000,000
\$3.00/thousand	\$5,000,001 and above

**Example:** \$2,000,000 cost of project.....\$5,000 for the first million (\$5/thousand) and \$4,000 (\$4/thousand) for the second million. Total cost \$9,000

### Other Permits & Fees

Sign Permit	\$15.00
Home Occupation Permit	\$15.00
Accessory Permit	\$15.00
Certificate of Occupancy	No fee
Administrative Appeal	\$100.00
Conditional Use	\$100.00
Variance	\$100.00
Re Zoning	\$100.00
Text Amendment	\$75.00
PUD/PDD	\$25.00
(sketch plan submission)	\$25.00
(preliminary plan submission)	\$75.00
(final plan submission)	\$75.00
Sub Divisions	
Minor Subdivisions	\$25.00
Major Subdivisions	
First 3 lots	\$100.00
Each additional	\$10.00