



COMPLEX PROJECTS  
REQUIRE RESOLVE  
THRASHER'S GOT IT

**WEIRTON SANITARY BOARD  
BROOKE COUNTY, WEST VIRGINIA**

**CONTRACT #1 – WASTEWATER TREATMENT PLANT UPGRADE**

**ADDENDUM #4**

**November 30, 2023**

**THRASHER PROJECT #020-01649**

TO WHOM IT MAY CONCERN:

The following are clarifications and responses to questions posed by contractors for the above reference project.

**A. GENERAL**

1. The Bid Form has been revised. The revised Bid Form is included with this Addendum #4. **YOU MUST USE THE ATTACHED BID FORM INCLUDED WITH THIS ADDENDUM No. 4 WHEN PREPARING YOUR BID PACKAGE.**
2. Updated Wage Rates are included with this Addendum #4. **YOU MUST USE THE ATTACHED WAGE RATES INCLUDED WITH THIS ADDENDUM No. 4 WHEN PREPARING YOUR BID PACKAGE.**
3. Bids will be opened at 11:00 AM on Wednesday, December 6, 2023, in Room 201, 200 Municipal Plaza, Weirton, WV.

**B. SPECIFICATIONS**

1. **REPLACE** Section C-410 – Bid Form for Construction Contract included with this Addendum #4.
2. **REPLACE** Section 012000 – Price and Payment Procedures included with this Addendum #4.

**C. DRAWINGS**

1. **REPLACE** Sheet M1.00 included with this Addendum #4.
2. **REPLACE** Sheet E3 included with this Addendum #4.
3. **REPLACE** Sheet E8 included with this Addendum #4.

4. **REPLACE** Sheet E15 included with this Addendum #4.
5. **REPLACE** Sheet E25 included with this Addendum #4.
6. **REPLACE** Sheet E29 included with this Addendum #4.
7. **REPLACE** Sheet E32 included with this Addendum #4.
8. **REPLACE** Sheet E36 included with this Addendum #4.
9. **REPLACE** Sheet E44 included with this Addendum #4.
10. **ADD** Sheet E64A included with this Addendum #4.

## **D. QUESTIONS AND RESPONSES**

### **QUESTION**

1. “Section 274100 – 1.5.B.6,7 references requirements for witnessed factory acceptance testing and site acceptance testing. Please confirm if the screening equipment outlined in sections 462113 and 467523 will require witnessed factory testing and site acceptance testing.”

### **RESPONSE**

Witnessed factory and site acceptance testing is not required for the screening equipment specified in Sections 462113 and 467523.

### **QUESTION**

2. “Section 274150 – 1.4.D.b outlines 10 minutes of backup time for UPS battery backups. Please confirm if a UPS battery backup is required for the control panels outlined in sections 462113 and 467523.”

### **RESPONSE**

UPS battery backup is not required for equipment specified in Sections 462113 and 467523.

### **QUESTION**

3. “There are additional control panel requirements outlined in section 274150 which include panel light and door switch, voltage separation, convenience receptables, and PLC IO fusing. Please confirm if the controls outlined in section 462113 and 467523 are required to include these additional controls requirements outlined in 274150.”

### **RESPONSE**

Controls requirements for the screening equipment shall be as specified in 462113 and 467523.

**QUESTION**

4. “Section 274150 – 2.6 makes mention of supplying PLC and OU programming software licenses. These licenses are different than what would be required for the PIC and OIU outlined in sections 462113 and 467523. Please confirm if the screening equipment supplier is required to provide software licenses for the PLC and OIU outlined in sections 462113 and 467523.”

**RESPONSE**

This is not a requirement for equipment specified in Sections 462113 and 467523.

**QUESTION**

5. “Section 274150 outlines numerous ethernet switch types. Please confirm if the screening equipment controls outlined in sections 462113 and 467523 are required to include an ethernet switch per 274150. If yes, please confirm desired manufacturer/model.”

**RESPONSE**

The control panels shall have a CAT6 port for communication with the WWTP SCADA system.

**QUESTION**

6. “Section 274150 – 2.13.A outlines spare parts requirements. Please confirm if the screening equipment supplier for sections 462113 and 467523 are required to provide spare parts as outlined in 274150 – 2.13.A.”

**RESPONSE**

Spare parts listed in Section 274150 do not apply to Sections 462113 and 467523.

**QUESTION**

7. “On plan sheet 20 Exterior Door Replacement Schedule. Are the existing door frames to remain? The frames on Sheet 20 are not dimensioned.”

**RESPONSE**

Yes.

**QUESTION**

8. “On plan sheet 20 Exterior Door Replacement Schedule. The hardware is listed as Match Existing. Will the hardware listed in the specifications be considered to match existing as far as cost basis in preparing our bids?”

**RESPONSE**

Yes.

**QUESTION**

9. “Fan schedule: some fan selections are not available with 480 V/3ph motor voltage scheduled or unit sizes scheduled given the performances. Please confirm if voltages scheduled are correct, and if unit sizes / performance are correct.”

**RESPONSE**

The exhaust fan schedule on Sheet M1.00 has been revised along with various electrical sheets to reflect these changes. Refer to Items #1-9 in the Drawings section. Revised sheets are included with this Addendum #4.

**QUESTION**

10. “Fan schedule: Is an EC motor required for EF-3,4? Model number indicates EC motor, but the notes do not.”

**RESPONSE**

The exhaust fan schedule has been revised. Refer to our response to Question #9.

**QUESTION**

11. “Confirm HVAC controls are Stand Alone or do we need to tie the HVAC controls to a DDC / BAS / SCADA System?”

**RESPONSE**

HVAC controls shall be stand alone.

**QUESTION**

12. “Confirm standard manufacturer provided thermostats / controllers are acceptable.”

**RESPONSE**

Refer to Section 237416.11 – Packaged, Small-Capacity, Rooftop Air-Conditioning Units, Paragraph 2.11 and Section 238126 – Split-System Air-Conditioners, Paragraph 2.5.A for thermostat requirements.

**QUESTION**

13. “Does HVAC low voltage control wiring need to be in conduit?”

**RESPONSE**

No. Refer to Section 238126 – Split-System Air-Conditioners for wiring requirements.

**QUESTION**

14. “If HVAC controls are line voltage, confirm if wiring is by the HC or the EC.”

**RESPONSE**

Prime bidders shall be responsible for assigning work to subcontractors. Subcontractors must possess appropriate qualifications and perform work as outlined in the relevant specifications. For HVAC control wiring, the relevant requirements are found in Section 237416.11 and Section 238126.

**QUESTION**

15. “Are any special NEMA ratings required [*for HVAC controls*]? NEMA 4X, 9, 12, etc.

**RESPONSE**

HVAC control requirements must coordinate with equipment schedules on Sheet M1.00. Per Item #1 in the Drawings section, this sheet has been revised and is included with this Addendum #4.

**QUESTION**

16. "Are [HVAC] motor starters, VFDs, and disconnects (if shown loose) provided and installed by the EC? Please confirm."

**RESPONSE**

Refer to Question #14 response.

**QUESTION**

17. "On sheet 6F is shows these 2 little rectangles in the center of the southern wall (the wall facing the clarifiers) for both basins, what is this box?"

**RESPONSE**

Refer to Sheet 6C and Sheet SC3 for decanter support details.

**QUESTION**

18. "On sheet 10, note 3 states that the contractor shall remove all sludge, etc., etc., .... I wanted to confirm that this note only pertains to the Scum Pump Pit and not the Primary Clarifiers. I also wanted to ask if the sludge can be processed through the existing facilities? Using the contractors manpower and equipment to do it of course."

**RESPONSE**

Sludge removal associated with Sheet 10 is only required in the Scum Pump Pit. Sludge can be processed through the existing WWTP's facilities. All work shall be coordinated with the operations staff.

**QUESTION**

19. "On sheet 12, note 4 states that the contractor shall remove all sludge, etc., etc. Can the sludge be processed through the existing facilities? Using the contractors manpower and equipment to do it of course."

**RESPONSE**

Sludge can be processed through the existing WWTP's facilities. All work shall be coordinated with the operations staff.

**E. CLARIFICATIONS**

1. 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 Wednesday, December 6, 2023, at 200 Municipal Plaza, Room 201, Weirton, WV. Good luck to everyone and thank you for your interest in the project.

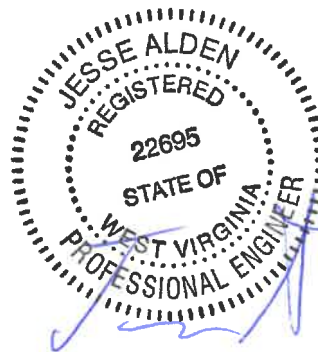
Sincerely,

THE THRASHER GROUP, INC.



JESSE ALDEN, P.E.  
Project Manager

*Enclosures*



11-30-2023