

**BIOSOLIDS DEWATERING FACILITY AND CARBON BUILDING
ROCHESTER, NH**

ADDENDUM NO. 3

To be considered as part of the contract drawings and specification for the Biosolids Dewatering Facility and Carbon Building.

SPECIFICATIONS

1. **DELETE** Specification Section C-410 and **REPLACE** with Specification C-410, attached.

| |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><i>The purpose of this change is to correct the number of bid items for the Base Bid in Bid Item No. 13 and number of bid items for Bid Alternate 1 in Bid Item No 14.</i></p> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

QUESTIONS

Q-1. Drawing I-940 indicates that the screw press feed pump suction header has independent feeds from the sludge holding tanks. On drawing D-911 it appears that sludge tank #1 and #2 have independent feeds to the pump suction header via 6" ductile iron pipe. Sludge tank #3 penetration is shown however; it is not clear if it runs to the pump suction header directly. Section 2 on drawing D-922 appears to show three distinct tie-ins to the suction header, but it does not clearly define if they are three different pipes. Sludge tank #4 feed to the suction header appears to enter the end of the header at the far end (plan south) directly from the sludge tank. Please confirm there are four independent pipes that run directly to the screw press feed pump suction header from each sludge tank, and that they are not cross connected anywhere before reaching the suction header.

A-1. *Each of the four (4) 6" WAS-DI press feed pump suction lines combine into a common header as depicted on I-940 and D-911.*

Q-2. On drawing D-922 section 2 please confirm there is a 6" DI elbow that should be shown tying in to the tee just to the left of valve #18 (PV-I-9416).

A-2. *A 6" DI elbow is shown in part on D-922 which connects to valve #18 to the tee to the left.*

Q-3. Drawing I-940 shows the polymer injection isolation valve (PV-2"-9447) connection flanges in phantom indicating it is future. Section 2 on drawing D-922 appears to show all three isolation valves for the new and future polymer injections rings as part of the work. Please confirm the future polymer injection ring isolation valve is to be provided

and installed as part of the scope of work.

- A-3. *PV-2"-9447 is to be provided under this contract. INJ 9403 and CV-2"-9448 are future and not part of this contract.*
- Q-4. Drawing I-940 shows several pipes labeled as "INJ". These same pipes on adjacent similar pipes are shown as "WAS". Since INJ is not listed in 40 05 02 as a process service identifier, please confirm these pipes are WAS pipes.
- A-4. *Pipes labeled 6"-INJ-DI and 3"-INJ-DI should be 6"-WAS-DI and 3"-WAS-DI respectively.*
- Q-5. Drawing I-940 indicates that PV-6"-9451 is part of the scope of work however; the suction and discharge piping to the future screw press feed pump #4 is not shown on drawing D-911. Please confirm that PV-6"-9451 and future screw press feed pump #4 suction piping is not part of the scope of work (i.e. D-911 and section 2 on D-922 are correct).
- A-5. *PV-6"-9451 is to be provided under this contract. The portion of screw press feed pump No .4 to be provided under this contract is depicted on D-911.*
- Q-6. Drawing I-940 phantom piping from future screw press feed pump #4 appears to be the desired discharge configuration between pumps #2 and #3 based on piping arrangement drawings (D- 911, D-921, and D-922). Additionally, the Valve ID table on drawing D-911 calls out valves that appear to be future on drawing I-940 (e.g. PV-9463 and PV-9464). Please confirm that the piping arrangement drawings are the desired configuration and not the P&ID. Please confirm that the valve count for the discharge headers should be based on the pipe arrangement drawings and not the P&ID.
- A-6. *PV-9463 shall be provided under this contract. PV-9464 is shown as future and is not part of this contract.*
- Q-7. Section 1 on drawing D-921 implies that the future screw press #3 has its own independent feed from the 8" WAS piping that runs along column line C (which eventually feeds screw press #2). Drawings I-940 and I-960 do not show this configuration. Please confirm that an 8" independent feed from the 8" WAS line is required for the future screw press, and that it originates at a tee at the 8" WAS line feed to screw press #2 that runs along column line C.
- A-7. *Provide piping as shown on Drawing I-940 and Drawing I-960 (Addendum 2).*
- Q-8. Drawing D-911 calls out the piping for the hydropneumatics system to be 4" CW-SS. This implies stainless pipe. Drawing I-950 and specification 40 05 02.23 require ductile iron for CW piping 4" and larger. Please confirm that ductile iron is the required pipe material.

A-8. *Pipe material 4-inch and larger for this application shall be ductile iron as specified in 40 05 02.23.*

Q-9. Specification 40 05 02.01 requires weld neck flanges on both sides of wafer, lug body, and flanged valves ½ through 24 inch (note 10). For piping in this application, angle face rings with backup flanges are more common and less expensive to install. Please confirm that angle face rings with backup flanges can be used to mate to wafer, lug body, and flanged valves ½ through 24 inch.

A-9. *Provide materials as specified.*

Q-10. Specification 40 05 02.01 requires stainless flanges in areas of “Headspace, Process Corrosive, and Submerged areas”. Please confirm this does not apply to the process air inside the dewatering building, and that DI backup flanges can be used.

A-10. *The dewatering building is not classified as Headspace, Process Corrosive, or Submerged. Ductile iron backup flanges are acceptable in this area.*

Q-11. Please clarify the desired finish for the Truck Bay floor (Room DB-07). The finish schedule says to leave it exposed, but specification 09900-59 calls out an epoxy floor EF-2.

A-11. *The truck bay floor shall be finished as required in Specification 09900-59, epoxy floor EF-2..*

Q-12. Will GC be allowed to use surplus excavated material from site as fill material on site?

A-12. *Surplus material that is not unsuitable may be used for backfill.*

Q-13. Specification 07 53 23, EPDM Membrane Roofing, calls out a white EPDM membrane in paragraph 2.02, however the paragraph is titled ‘Membrane Material – Thermoplastic Polyolefin (TPO)’. Please clarify if a white EPDM or TPO is to be used.

A-13. *The roofing systems shall be EPDM.*

Q-14. Please confirm that the canopies do not require EPDM roofing.

A-14. *The pre-engineered canopies do not require EPDM roofing.*

Q-15. Please confirm that both buildings will require fully tapered insulation for roof drainage.

A-15. *Roof tapered insulation is required at both buildings.*

Q-16. Specification 04 05 19 2.01 C.5.a calls out for bracing freestanding walls exceeding allowable unbraced span. 3/S-007 typical wall & intersection details calls out #3 ties at

16" O.C. Since these are both ties for intersecting walls, should we assume the #344 rigid partition anchors are to be at all intersecting walls and there isn't an allowable unbraced span?

A-16. All intersecting walls require the #344 rigid partition anchor or approved alternative.

Q-17. Specification 04 21 13 2.01 calls out 2 brick sizes. Can we assume everything is to be modular?

A-17. Brick size to be as specified on Section 2.01/A (Standard modular-size), Section 2.01/B (nominal-size) does not apply.

Q-18. Specification 04 21 13 2.01 calls out 3 brick colors. Can we assume that only one color will be chosen or are you looking for a blend of the 3?

A-18. Three brick colors are specified to allow one of the three colors to be selected by Owner from standard Manufacturer color selections. Blending of a custom color is not required.

Q-19. In Addendum #2, the new bid form, page C-410-6, should the description for Bid Item #13 refer to base bid items 1 to 7 and Bid Item #14 refer to items 8 & 9?

A-19. The corrected bid form is provided as part of this addendum.

Q-20. Division 1 specifications require that the contractor supply first fills of chemicals. Please provide a specification for the polymer, a specification for the the carbon solution, and from whom the Rochester WWTF currently procures chemicals.

A-20. Carbon solution is provided by a third party and a first fill will not be required. The polymer to be provided for the first fill will be determined based on jar testing during startup of the dewatering system. For bidding purposes, assume that the polymer will be Solenis K 274 FLX.

Q-21. Based on the number of questions and the time left to bid, we request a two week extension to the bid date to May 30, 2019.

A-21. The City of Rochester will maintain the current bid schedule with no change to the bid date.

END OF ADDENDUM 1

BY ORDER CITY OF ROCHESTER, NH

**C-410
BID FORM**

Biosolids Dewatering Facility and Carbon Building

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ARTICLE 1 – BID RECIPIENT

1.01 This Bid is submitted to:

***City of Rochester, NH
31 Wakefield Street
Rochester, NH 03867***

1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

ARTICLE 2 – BIDDER’S ACKNOWLEDGEMENTS

2.01 Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for 90 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

ARTICLE 3 – BIDDER’S REPRESENTATIONS

3.01 In submitting this Bid, Bidder represents that:

A. Bidder has examined and carefully studied the Bidding Documents, and any data and reference items identified in the Bidding Documents, and hereby acknowledges receipt of the following Addenda:

| <u>Addendum No.</u> | <u>Addendum, Date</u> |
|---------------------|-----------------------|
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |

- B. Bidder has visited the Site, conducted a thorough, alert visual examination of the Site and adjacent areas, and become familiar with and satisfied itself as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
- C. Bidder is familiar with and has satisfied itself as to all Laws and Regulations that may affect cost, progress, and performance of the Work.
- D. Bidder has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or adjacent to the Site and all drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings, and (2) reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings.

- E. Bidder has considered the information known to Bidder itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and any Site-related reports and drawings identified in the Bidding Documents, with respect to the effect of such information, observations, and documents on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder; and (3) Bidder's safety precautions and programs.
- F. Bidder agrees, based on the information and observations referred to in the preceding paragraph, that no further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price bid and within the times required, and in accordance with the other terms and conditions of the Bidding Documents.
- G. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.
- H. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and confirms that the written resolution thereof by Engineer is acceptable to Bidder.
- I. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance and furnishing of the Work.
- J. The submission of this Bid constitutes an incontrovertible representation by Bidder that Bidder has complied with every requirement of this Article, and that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.

ARTICLE 4 – BIDDER'S CERTIFICATION

4.01 Bidder certifies that:

- A. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation;
- B. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;
- C. Bidder has not solicited or induced any individual or entity to refrain from bidding; and
- D. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 4.01.D:
 - 1. "corrupt practice" means the offering, giving, receiving, or soliciting of any thing of value likely to influence the action of a public official in the bidding process;
 - 2. "fraudulent practice" means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;

3. “collusive practice” means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels; and
4. “coercive practice” means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the e execution of the Contract.

ARTICLE 5 – BASIS OF BID

5.01 BASE BID ITEMS

- A. Bidder acknowledges the following Work will be considered as the Base Bid.
 - Construction of the Biosolids Dewatering Facility
 - Base Bid items shall include all surface restoration work and incidental work in the above locations.
- B. Bidder acknowledges the following Work will be considered as Bid Alternate No. 1:
 - Construction of the Carbon Building
 - Base Bid items shall include all surface restoration work and incidental work in the above locations.
- C. Bidder acknowledges the following Work will be considered as Bid Alternate No. 2:
 - Compliance with Clean Water State Revolving Fund requirements as detailed in Section C-800, Part C.
- D. Bidder acknowledges the following Work will be considered as Bid Alternate No. 3:
 - Provide equipment named in Specification Section 43 23 51 .11.
- E. Bidder acknowledges the following Work will be considered as Bid Alternate No. 4 and 5:
 - Provide a Rotamix system as specified in Specification Sections 43 23 72 and 43 23 73 as manufactured by Vaughan Company.

5.02 Bidder will complete the Work in accordance with the Contract Documents for the following price(s):

BASE BID

| Bid Item No. | Description | Item Quantity | Units | Unit Price | Total Value of Item (\$) |
|-----------------------|-------------------------------------------------|----------------------|--------------|-------------------|---------------------------------|
| 1 | Construct Biosolids Dewatering System | 1 | LS | | |
| 2 | Install H-Pile Foundation Support System | 10,000* | VF | | |
| 3 | Additional PLC Programming by Huber Technology | 2 | Days | | |
| 4 | Additional Travel Cost by Huber Technology | 1 | LS | | |
| 5 | I&C Programming and Hardware by Wilson Controls | 1 | LS | | |
| 6 | Excavation of Unsuitable Materials | 100* | CY | | |
| 7 | Additional Crushed Stone Backfill | 100* | CY | | |
| Total Base Bid | | \$ | | | |

*Estimated quantity for comparison of bids.

BID ALTERNATE No 1 – Construct Carbon Storage Building

| Bid Alt 1 Bid Item No. | Description | Item Quantity | Units | Unit Price | Total Value of Item (\$) |
|----------------------------------|-------------------------------------------------|---------------|-------|------------|--------------------------|
| 8 | Construct Carbon Storage Building | 1 | LS | | |
| 9 | Install H-Pile Foundation Support System | 5,000* | VF | | |
| 10 | I&C Programming and Hardware by Wilson Controls | 1 | LS | | |
| 11 | Excavation of Unsuitable Materials | 100* | CY | | |
| 12 | Additional Crushed Stone Backfill | 100* | CY | | |
| Total Bid Alternate No. 1 | | \$ | | | |

*Estimated quantity for comparison of bids.

For Bid Alternates 2, 3, 4 and 5, include the word, "ADD" in the ADD/DEDUCT Column if the Bid Alternate is an increase in the bid price or include the word, "DEDUCT" in the ADD/DEDUCT column if the Bid Alternate is a reduction in the bid price.

Bid Alternate No. 2 – Specification Section C-800, Part C, CWSRF Requirements

The following Bid Alternate No. 2 cost is inclusive of Specification Section C-800, Part C, CWSRF Requirements, Pages D2.1 through D7.16 and including Attachment A and Attachment B of Part C.

| Bid Alt 2 Bid Item No. | Description | Item Quantity | Units | Add / Deduct | Total Value of Item (\$) |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------|--------------------------|--------------|---------------------|---------------------------------|
| 13 | Comply with Specification Section C-800, Part C, CWSRF requirements for Base Bid (Bid Items 1 through 7) | 1 | LS | | |
| 14 | Comply with Specification Section C-800, Part C, CWSRF requirements for Bid Alternate No. 1 (Bid Items 8 through 12) | 1 | LS | | |

4 and 5, referenced and indicate the name of the manufacturer in the "ALT MANUFACTURER" Column.

Bid Alternate No. 3 – Specification Section 43 23 51.11

For Bid Alternate 3, provide the *incremental* ADD or DEDUCT cost to supply equipment from a manufacturer named in Specification Section 43 23 51.11. The incremental cost is the cost to provide equipment from a named manufacturer minus the cost of the equipment carried in the base bid. If the result is a positive number, the incremental cost will be an ADD and if the result is a negative number, the incremental cost will be a DEDUCT.

Provide the name of the manufacturer carried in the base bid:

Provide the name of the manufacturer named in Specification Section 43 23 51.11 that Bid Alternate No. 3 is based on:

| Bid Alt 3 Bid Item No. | Description | Item Quantity | Units | Add / Deduct | Incremental Cost (\$) |
|------------------------------|---------------------------------------------------------------------------------|------------------|-------|-----------------|-----------------------|
| 15 | Provide equipment from manufacturer named in Specification Section 43 23 51 .11 | 1 | LS | | |

Bid Alternate No. 4 – Specification Section 43 24 72

For Bid Alternate 4, provide the *incremental* ADD or DEDUCT cost to supply a Rotamix system as specified from Vaughan Company. The incremental cost is the cost to provide equipment from Vaughan Company minus the cost of the equipment carried in the base bid. If the result is a positive number, the incremental cost will be an ADD and if the result is a negative number, the incremental cost will be a DEDUCT.

Provide the name of the manufacturer carried in the base bid:

| Bid Alt 4 Bid Item No. | Description | Item Quantity | Units | Add / Deduct | Incremental Cost (\$) |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------|-------------------------|------------------------------|
| 16 | Provide Rotamix equipment as manufactured by Vaughan Company for equipment specified in Specification Section 43 23 72 | 1 | LS | | |

Bid Alternate No. 5 – Specification Section 43 23 73

For Bid Alternate 5, provide the *incremental* ADD or DEDUCT cost to supply a Rotamix system as specified from Vaughan Company. The incremental cost is the cost to provide equipment from Vaughan Company minus the cost of the equipment carried in the base bid. If the result is a positive number, the incremental cost will be an ADD and if the result is a negative number, the incremental cost will be a DEDUCT.

Provide the name of the manufacturer carried in the base bid:

| Bid Alt 5 Bid Item No. | Description | Item Quantity | Units | Add / Deduct | Incremental Cost (\$) |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------|-------------------------|------------------------------|
| 17 | Provide Rotamix equipment as manufactured by Vaughan Company for equipment specified in Specification Section 43 23 73 | 1 | LS | | |

BASIS OF AWARD

The bid, if awarded, will be awarded to the lowest responsible bidder based on the base bid price alone or the base bid price plus any combination of Bid Alternates 1 through 5 that the Owner selects.

ARTICLE 6 – TIME OF COMPLETION

- 6.01 Bidder agrees that the **Base Bid** portion of Work will be substantially complete on or before **October 16, 2020**, and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions on or before **November 20, 2020**.
- 6.02 Bidder agrees that the **Bid Alternate** portion of Work will be substantially complete on or before **October 16, 2020**, and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions on or before **November 20, 2020**.
- 6.03 Bidder accepts the provisions of the Agreement as to liquidated damages.

ARTICLE 7 – ATTACHMENTS TO THIS BID

- 7.01 The BIDDER hereby certifies, by checking the boxes below, that the following documents are included with this bid proposal:
- DBE Subcontractor Utilization Form (EPA Form 6100-4) – Bid Alternate No. 2
 - DBE Subcontractor Performance Forms (EPA Form 6100-3) **Submit one form for each DBE subcontractor** – Bid Alternate No. 2
 - Bidder's **American Iron and Steel** acknowledgement - Bid Alternate No. 2

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C-410-9

Addendum No. 3

- Required Bid security;
- List of Proposed Subcontractors;
- List of Proposed Suppliers;
- List of Project References;
- Evidence of authority to do business in the state of the Project; or a written covenant to obtain such license within the time for acceptance of Bids; and
- Required Bidder Qualification Statement with supporting data.

ARTICLE 8 – DEFINED TERMS

8.01 The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

ARTICLE 9 – BID SUBMITTAL

BIDDER: *[Indicate correct name of bidding entity]*

By:
[Signature] _____

[Printed name] _____
(If Bidder is a corporation, a limited liability company, a partnership, or a joint venture, attach evidence of authority to sign.)

Attest:
[Signature] _____

[Printed name] _____

Title: _____

Submittal Date: _____

Address for giving notices:

Telephone Number: _____

Fax Number: _____

Contact Name and e-mail address: _____

Required Bidder Qualification Statement

The Bidder shall state below what works of a similar character to that of the proposed contract he has performed, and provide such references as will enable the Owner to judge his experience, skill, and business standing.

All questions must be answered and the data given must be clear and comprehensive. This statement must be notarized. If necessary, add separate sheets.

1. Name of Bidder.
2. Permanent Main Office address.
3. When organized?
4. Where incorporated?
5. Is bidder registered with the Secretary of the State to do business in New Hampshire?
6. For how many years has your firm engaged in the contracting business under its present name? Also state names and dates of previous firm names, if any.
7. Contracts on hand. (Schedule these, showing gross amount of each contract and the approximate anticipated dates of completion.)
8. General character of work performed by your company.
9. Have you ever failed to complete any work awarded you in the scheduled contract time, including approved time extensions? (Yes) (No).
If so, where and why?
10. Have you ever defaulted on a contract? (Yes) (No).
If so, where and why?
11. Have you ever had liquidated damages assessed on a contract? (Yes) (No).
If so, where and why?

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Addendum No. 3

12. List the more important contracts recently executed by your company, stating approximate cost for each, and the month and year completed.

13. List your major equipment available for this contract.

14. List your key personnel such as Project Superintendent and foreman available for this contract.

15. List any subcontractors whom you would expect to use for the following (unless this work is to be done by your own organization):
 - a. Civil Engineering _____
 - b. Paving _____
 - c. Other work _____

16. With what banks and bonding/surety companies do you conduct business?

Bank: _____

Bank Reference Name: _____

Bank Reference Phone Number: _____

Bonding/Surety Company: _____

Bonding/Surety Company Reference Name: _____

Bonding/Surety Company Phone Number: _____

Do you grant the Engineer permission to contact this (these) institutions? ___(Yes) ___(No)

NOTE: Bidders may be required to furnish their latest financial statement as part of the award process.

Respectfully submitted:

| | |
|-----------|---------|
| | |
| Signature | Address |
| | |
| Title | Date |

_____ Being duly sworn, deposes and says that he is

_____ of _____
(Name of Organization)

and that the answers to the foregoing questions and all statements contained therein are true and correct.

Sworn to before me this _____ day of _____, 20 _____

Notary Public

My commission expires _____

(Seal - If BID is by Corporation)

ATTEST: _____