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SECTION 009113.01 – ADDENDUM NO. 01

1.1 PROJECT INFORMATION

A. Project Name: Horn Pond Water Treatment Plant PFAS Upgrade Project

B. Owner: City of Woburn, MA.

C. Owner Project Number: IFB 24-15.

D. Engineer: CDM Smith.

E. Engineer Project Number: 0230-266219.

F. Date of Addendum: March 15, 2024.

1.2 NOTICE TO BIDDERS

A. This Addendum is issued to all registered plan holders pursuant to the Instructions to Bidders and Conditions of the Contract. This Addendum serves to clarify, revise, and supersede information in the Project Manual, Drawings, and previously issued Addenda. Portions of the Addendum affecting the Contract Documents will be incorporated into the Contract by enumeration of the Addendum in the Owner/Contractor Agreement.

B. The Bidder shall acknowledge receipt of this Addendum in the appropriate space on the Bid Form.

C. The date for receipt of General Bids is unchanged by this Addendum, at same time and location. The time of receipt of Sub-Contracts is unchanged by this Addendum, at same time and location.

1. Sub-Contracts Bid Date: 11:00 AM, Wednesday, April 3, 2024.

2. General Contract Bid Date: 11:00 AM, Wednesday, April 24, 2024.

1.3 ATTACHMENTS

A. This Addendum includes the following attached Documents and Specification Sections:

1. Document 1: Sign-In Sheet and Agenda from the Pre-Bid Conference Meeting, dated Wednesday, March 6, 2024, (new).

1.4 REVISIONS TO DIVISION 00 PROCUREMENT REQUIREMENTS AND CONTRACTING REQUIREMENTS (NOT USED)

1.5 REVISIONS TO DIVISION 01 GENERAL REQUIREMENTS (NOT USED)

1.6 REVISIONS TO DIVISIONS 02 - 49 SPECIFICATION SECTIONS (NOT USED)

1.7 REVISIONS TO DRAWING SHEETS (NOT USED)

1.8 QUESTIONS AND ANSWERS

A. **Question:** Are Build America, Buy America (BABA) Act requirements applicable to this project?

Response: BABA requirements are not applicable to this project. An adjustment period waiver of Section 70914(a) of P.L. 117-58 was submitted in August 2023.

B. **Question:** What would qualify as providing an "Or Equal" alternative granular activated carbon (GAC) media? What procedure needs to be followed to establish an alternative media as acceptable?

Response: As detailed in Specification Section 466113 "Filter Media," any proposed alternative GAC media shall comply with the listed physical properties and source material requirements of the specification. A MassDEP approved study-phase test shall be conducted on the alternative media with representative water from the Horn Pond WTP to demonstrate the media's ability to produce effluent water non-detect in PFAS6 after a duration of 40,000 empty bed volumes (EBVs). Alternative media shall also require New Technology Approval and acceptance by being listed on the MassDEP List of Approved Technologies for Use in Massachusetts (310 CMR 22.01(8)).

C. **Question:** How can a representative water sample be obtained to perform the bench-scale/pilot-scale testing for applicability of "Or Equal" alternative GAC media?

Response: A bulk representative water sample for bench-scale/pilot-scale testing can be obtained from the Horn Pond WTP by coordination with the WTP operations staff and CDM Smith during operating hours of the WTP (typically 8 am to 3 pm, Monday through Friday). Representative water shall be taken from the treatment process following PureFlow iron and manganese removal filters but before final chemical addition and UV treatment. Proper care shall be taken to prevent cross connections, contamination of the treatment process, or PFAS contamination of sampled water.

D. **Question:** Will a materials laydown area be allowed in the public boat launch area or parking lot?

Response: A materials laydown area will not be allowed in the public boat launch area or parking lot. This space is heavily trafficked by the public, with pedestrians using the public walking trails year-round and especially during the summer months.

E. **Question:** Is the electrical service to the restroom in the public boat launch parking lot a buried service?

Response: Electrical service to the restroom at the public boat launch parking lot, shown on Sheet E-5 of the Drawings, is a buried service.

F. **Question:** Are there any historical implications/requirements for matching the architectural style of existing buildings and light fixtures? When was the last time exterior lighting fixtures, matching the required style, were purchased? What was the model for these fixtures?

Response: There are no historical implications/requirements for matching the architectural style of the existing buildings and lighting fixtures. The City would like the buildings of the facility to look uniform. The last time exterior lighting fixtures were purchased that matched the required style was during the 2009 water treatment plant upgrade project. Refer to the table included on Sheet E-22 of the Drawings for more specific product and manufacturer details of the light fixtures.

G. **Question:** Who will act as the Owner's Project Manager (OPM) for this project?

Response: Weston & Sampson is acting as the OPM for this project.

H. **Question:** Please provide a list of items that will need to be commissioned per Specification Section 019113 "General Commissioning Requirements"

Response: Items requiring commissioning may include, but are not limited to, the Well A3 Pump, Well B2 Pump, GAC System, SCADA control system, and electrical equipment covered in Specification Section 260800 "Commissioning of Electrical Systems."

I. **Question:** Please provide a list of Owner Supplied items.

Response: Per Specification Section 011000 "Summary," Owner-Furnished/Contractor Installed (OFCI) Products include the magnetic flow meters within the existing Well A2 building and Well B Building, as well as the level transducer within the existing monitoring well MW-B1.

J. **Question:** Please confirm that the Contractor is responsible for the cost of the Project Management Software similar or equivalent to Procore.

Response: Per Specification Section 013100 "Project Management and Coordination," the Contractor is responsible for the cost of the web-based project management software package and must provide 15 user licenses for use.

K. **Question:** Confirm that ProjectSite by Trimble is equivalent or equal to Procore for a Project Management Software.

Response: ProjectSite by Trimble will be accepted as an equal to Procore for Project Management Software.

L. **Question:** Will an allowance be considered to cover materials, inspection, and supervision by PureFlow Filtration for Specification Section 466113.56 "Pureflow Filter Media"?

Response: Per the Legal Requirements, Recommended Practices, and Sources of Assistance published by the Office of the Inspector General (November 2023 Edition), the use of allowances is not permitted for projects bid in accordance with Massachusetts General Laws (M.G.L.) c. 149. Contractors are advised to coordinate costs for these items directly with PureFlow Filtration (Whittier, CA).

M. **Question:** Confirm that all pre-filed sub-bids will provide and pay for Performance and Payment Bonds.

Response: Per Article 7 of Specification Section 002113 "Instructions to Bidders," pre-filed subcontractors must carry the cost for Performance and Payment bonds.

N. **Question:** Confirm all pre-filed sub-bid trades will provide their own staging and lifting/hoisting.

Response: Confirmed. Pre-filed sub-bid trades will provide their own staging and liftin/hoisting.

O. **Question:** Will the drain piping by the pre-filed plumber have to be concrete encased below the slab? Is the pre-filed plumbing contractor responsible for furnishing and pouring the concrete?

Response: All sub-slab piping must be concrete encased, including drain pipe, as indicated in Note 1 of Sheet P-2 of the Drawings. Furnishing and pouring of concrete is the responsibility of the General Contractor.

P. **Question:** Is rebar required for the pipes encased in concrete?

Response: Yes, rebar is required for pipes encased in concrete. Refer to the Concrete Pipe Encasement Detail included on Sheet SD-S-1 of the Drawings for requirements.

Q. **Question:** Are expansion joints required for the pipes encased in concrete? If so, is the General Contractor or the pre-filed sub-contractor responsible for furnishing these?

Response: Concrete expansion joints are not required; however, partial contraction joints and construction joints shall be provided as required per the Concrete Pipe Encasement Detail included on Sheet SD-S-1. Furnishing and pouring of concrete is the responsibility of the General Contractor.

R. **Question:** Do conduits below the slab need to be encased in concrete?

Response: Electrical conduits located below the slab are not required to be encased in concrete. Refer to Specification Section 260533.13 "Conduits for Electrical Systems" and Section 260543 "Underground Ducts and Raceways for Electrical Systems" for details. Where conditions allow, electrical conduits can run within the building slab as shown in the "Minimum Conduit Placement Clearances" detail on Sheet SD-S-2 of the Drawings. The Electrical Contractor is required to submit coordination drawings to the General Contractor, as Specified in Section 260010 "Supplemental Requirements for Electrical"

S. **Question:** Confirm the only protected water piping in the GAC Treatment Building is for the trap primer and wash hose station.

Response: As shown on Sheet P-3 of the Drawings, the only protected water line for the GAC Treatment Building is for the trap primer and wash hose station.

T. **Question:** Will the permit fees for the General Contractor and the pre-filed sub-contractors be waived?

Response: City of Woburn specific permit fees will be waived for this project. Any non-city permit fees will be the responsibility of the Subcontractor or Contractor, as applicable.

U. **Question:** Will large retaining wall blocks (up to 2 ft x 4 ft x 2 ft) be considered as an approved "Or Equal" for the retaining walls on this project?

Response: In order to maintain the proposed wall radius at the southeast corner of the GAC Treatment Building and the width of the facility access driveway, the proposed block size will not be accepted as an "Or Equal" to the block size requirements included in Specification Section 323223 "Segmental Retaining Walls."

V. **Question:** With respect to the project bid construction schedule and the ongoing uncontrollable impacts to the supply chain, shortages of products and long lead times, we assume the Construction Manager and/or General Contractor has or shall take these long lead times into account when providing their CPM schedules to the Owner, to confirm the as-bid electrical work can be performed within the contract duration.

Response: Provisions for the General Contractor to incorporate procurement activities for items requiring long lead times (including electrical equipment) in the development of their Construction Schedule are included in Part 1.7 of Specification Section 013200 "Construction Progress Documentation."

W. **Question:** Some designs require equipment with long lead times. Examples of long lead equipment are Switchgear, Transformers, Generators, VFD's, Metering, MCC's, and the electronic components of many telecom systems. Because there are no remedies in the bid documents at this time, financial or otherwise, to correct potential long lead times, please confirm the Electrical Engineer has considered equipment lead times when designing the most available equipment and specified products and has received confirmation of product timely availability to meet the contract end date.

Response: The design team, including the Electrical Engineer, identified critical items with long lead times at the beginning of design and provided consideration to these items to the extent practicable when designing systems and developing suggested construction sequencing and construction duration.

X. **Question:** In our review of the drawings and specifications, we have found the following discrepancies in the bidding documents: Please advise if the Owner or Contractor/CM will buy the builder's risk property insurance for this project. Also, can you confirm that trade contractor/subcontractors of all tiers will be named insureds under the policy per widespread industry practice? Finally, can you tell us what the basic deductible will be under the policy and who will be required to pay it if an accident happens (owner, contractor/CM, trade contractor/subcontractor)?

Response: Refer to Articles 6.04 and 6.05 of Specification Section 007200 "General Conditions" and Section 007300 "Supplementary Conditions."

Y. **Question:** Our bid shall be prepared in accordance with the Massachusetts public bidding laws. We understand the Massachusetts public bidding laws, and applicable decisions from the Bid Protest Unit of the Massachusetts Attorney General's Office, require all of the electrical work and materials included in the bid to be contained entirely, and described clearly, within the written electrical specifications. We understand that bidders also are responsible for the work and materials shown on the electrical drawings to the extent that work and those materials also are described and defined in the electrical specifications. We also understand that electrical work may be contained in drawings outside of the electrical drawings provided the work is described in the electrical specifications and there is a clear reference to the affected drawings in the electrical specifications. Please confirm we are correct in our understanding that work and materials described in non-electrical specifications or shown on non-electrical drawings, without also being described in the electrical specifications, is for coordination purposes only and shall not be part of the electrical contractor's bid for this project.

Response: CDM Smith confirms that electrical sub-bidders are responsible for work depicted on the Electrical Drawings and detailed in the Electrical Specifications. They are advised to also review the sequencing and coordination requirements included in Specification Section 011216 “Construction Sequences and Constraints,” as referenced in Part 1.18 of Section 260001 “Electrical Work.”

END OF DOCUMENT 009113

Attachments

Pre-Bid Meeting Sign In Sheet

City of Woburn, Massachusetts

Horn Pond Water Treatment Plant PFAS Upgrade (Contract No. IFB 24-15)

Date: March 6th, 2024 Time: 10:00 am Easte **Location: 5 Cove Street, Woburn, MA**

	Company	General Contractor	Subcontractor/ Trade	Equipment Supplier/ Vendor	Other	Contact	Phone	Address	Email
1	AQUEOUS UETS			X		ERIC RUSSO	978-857 0515	16761 CLEAR CREEK RD, REDDING, CA	ERUSSO@ AQUETS.COM
2	DOC	X				MAEIA DONAHUE	413-549 1346	22 Birch St Milford, MA	mdonahue@ doc.build
3	Doc	X				Jim Remaly	413 540 1370	11	jremaly@ Doc. Guild
4	METHUEN	X				JOE DEVEAU	781-558-8938	PLAISTOW NH	JDEVEAU@ METHUENCONSTRUCTION.COM
5	Waterline Industries	X				Sean Dougherty	603-235-2788	7 London Lane Salbrook, NH 03874	sdougherty@ waterlineind.com
6	WESTON&SAMPSON				X	JEFF HUTTON	978618 8390	55 WALKERS BROOK DR	HUTTONJ@ WSEINC.COM
7	CDM SMITH				X	AL LEBLANC	603 222 8380	670 N Commercial St Suite 208 Manchester NH 03101	LEBLANCAG@ CDMSMITH.COM
8	CDM Smith				X	Michaela Bogosh	603-548 3031	75 State St Suite 701 Boston, MA 02109	Bogoshml@ CDMsmith.com
9	CDM Smith				X	Carol Rego	617 452 6566	11	REGOCA@ CDMSMITH.Com
10	CDM SMITH				X	KYLE GERLACH	617 452 6910	11	GERLACHKT@ CDMSMITH.com

City of Woburn, Massachusetts
Horn Pond Water Treatment Plant PFAS Upgrade
Contract IFB 24-15; DWSRF 12538
Pre-Bid Meeting
March 6th, 2024 at 10:00 AM
5 Cove Street, Woburn, MA
Agenda

Scan for Bid Documents

1. **Introductions**
    a. City of Woburn Staff
    b. CDM Smith engineering team members
    c. Weston and Sampson, Owners Project Manager
    d. Sign In Sheet for all attendees
2. **Bid Documents Availability**
    a. **View and obtain** copy at City of Woburn Procurement Website
3. **Bid Documents Overview**
    a. Overview and Recent History of Horn Pond WTP
        i. Groundwater wells
        ii. Existing WTP building (original and iron/manganese removal upgrade)
    b. Purpose of project
        i. PFAS upgrade (granular activated carbon pressure vessels)
    c. Project Funding
        i. SRF
        ii. Subject to AIS, MBE/WBE requirements, and all other Federal and State Provisions
    d. Unique Project Features
        i. Addition to existing treatment support building
        ii. SCADA upgrade
        iii. Congested yard piping
        iv. Upgrade aesthetics match existing WTP
        v. Subsurface backwash tank
        vi. Two replacement production wells
        vii. Proprietary items in specifications
            1. Northeast System Controls (NESC) named as Application Engineering Systems Supplier (AESS)
            2. Other individual items listed in the specifications
    e. This is an operating WTP
        i. Reference Section 011216 Construction Sequences and Constraints paragraph 3.2 for limitations on WTP downtime
4. **Bidding and Project Schedule**
    a. Prequalified General Contractors and Filed Subcontractors (1. Roofing and Flashing; 2. Miscellaneous and Ornamental Iron; 3. Painting; 4. Plumbing; 5. Heating, Ventilating and Air-Conditioning; 6. Electrical Work; 7. Waterproofing, Damp-Proofing and Caulking; 8. Masonry Work; and 9. Fire Protection)
    b. Last Day for Filed Sub Bidder Questions.....March 22, 2024

c. Sub-Bid Opening .....April 3, 2024
d. Issue Filed Sub Bid Results via Addenda (estimated) .....April 10, 2024
e. Last Day for General Contractor Questions .....April 12, 2024
f. Last Day for Addenda .....April 19, 2024
g. General Bid Opening.....April 24, 2024
h. Contract Duration ..... Final Completion: 590 Days

5. Questions

6. Site Walk and Tour