

**EASTON DEPARTMENT OF PUBLIC WORKS
EASTON, MASSACHUSETTS**

**RED MILL ROAD WATER TREATMENT PLANT
CONTRACT DPW-2022-05**

ADDENDUM NO. 5

November 19, 2021

NOTICE TO ALL BIDDERS:

Sealed Bids from pre-qualified General Bidders will be received until **2:00 p.m. prevailing time on Tuesday, November 23, 2021**. All bids shall be submitted online at www.Projectdog.com and entitled **“Red Mill Road Water Treatment Plant, Town of Easton, Massachusetts”** All electronic bids are compiled in real time upon bid close and published forthwith on ProjectDog. Official bid tabulations shall be posted on ProjectDog.

The attention of all eligible bidders submitting bids for the above referenced project is called to the following Addendum to the drawings and specifications (Contract Documents). The items set forth herein, whether of omission, addition, substitution, or clarification, are all to be included in and form a part of the proposed work.

Any and all addenda shall be posted online at Projectdog.com. Each individual or firm recorded as having received the contract documents will be notified by email if and when addenda are issued. Hard copies of addenda will not be mailed or faxed to plan holders. It is the sole responsibility of the Bidder to review any and all addenda prior to the bid opening either online or at the offices of Projectdog, Inc.

If a bid is submitted prior to an Addendum being issued, the Bidder will receive an e-mail notification for informational purposes only. The Bidder must review the addendum, retract the bid, acknowledge all addenda, and re-submit the bid. If a Bidder fails to acknowledge all addenda their bid may be rejected by the Awarding Authority.

This Addendum addresses the following:

- *Specifications and Drawings*
- *Questions from Contractors and Answers*

SPECIFICATIONS AND DRAWINGS

Make the following changes, revisions, additions, and/or deletions to the Contract Documents:

Specification Section 00020 – INVITATION TO BID

- Delete Paragraph 13 and replace with the following:
“13. Construction must be complete 700 calendar days from and including issuance of a notice to proceed, and/or receipt of fully executed contract. All proposed work at the well stations shall be sequenced as described in the Contract Drawings. Shutdown of Well Station 3 and the construction of the Water Treatment Plant shall be permitted for 640 calendar days only. Work at Well Stations 5 and 7 shall be completed within 60 calendar days only following substantial completion of the Water Treatment Plant.”

Specification Section 00100 – INSTRUCTIONS TO BIDDERS

- Delete Paragraph 7 and replace with the following:
*“Construction must be complete **700 calendar days** from and including issuance of a notice to proceed, and/or receipt of fully executed contract. All proposed work at the well stations shall be sequenced as described in the Contract Drawings. Shutdown of Well Station 3 and the construction of the Water Treatment Plant shall be permitted for 640 calendar days only. Work at Well Stations 5 and 7 shall be completed within 60 calendar days only following substantial completion of the Water Treatment Plant. Bidders must agree also to pay liquidated damages as stated in the Agreement, in the amount of \$1,000 for work pertaining to work at Well Station 3 and the Water Treatment Plant and \$1,500 for work pertaining to Well Stations 5 and 7 for each day beyond the Contract Completion date, for which Substantial Completion is not achieved.”*

Specification Section 00301 – BID FORM

- Delete the second paragraph on Page 00301-7 and replace with the following:
*“If this BID is accepted by the Owner, the undersigned agrees to complete the entire work provided to be done under the Contract within **700 calendar days**, including **640 calendar days** for work at Well 3 and the Water Treatment Plant, and **60 calendar days** for work at Well Stations 5 and 7, as stipulated in the AGREEMENT. Liquidated damages for each calendar day of delay shall be \$1,000 for the work at Well Station 3 and Water Treatment Plant and \$1,500 for work at Well Stations 5 and 7 as stipulated in the AGREEMENT.”*

Specification Section 00500 – AGREEMENT

- Delete Paragraph 3.1 and replace with the following:
“3.1 Time of completion is set at 700 calendar days from and including issuance of a notice to proceed, and/or receipt of fully executed contract. All proposed work at the well stations shall be sequenced as described in the Contract Drawings. Shutdown of Well Station 3 and the construction of the Water Treatment Plant shall be permitted for 640 calendar days only. Work at Well Stations 5 and 7 shall be completed within 60 calendar days only following substantial completion of the Water Treatment Plant.”

Specification Section 00550 – NOTICES

- Delete the first paragraph on Page 00550-2 and replace with the following:
“You are hereby notified to commence the Work in accordance with the Agreement dated _____, on or before _____, you are to reach Completion on all work within seven hundred (700) consecutive calendar days thereafter. The date of completion of all work is, therefore, _____.”

Specification Section 01050 – FIELD ENGINEERING

- Delete Paragraph 1.3-A-1-i-c and replace with the following:
“(c) The topographic survey work shall extend to the limit of work shown on the Drawings and includes, but is not limited to, Red Mill Road; Well Stations 3, 5, and 7; water treatment plant; and all new utilities. Provide topographic survey with 1-ft contours and spot elevations.”

Specification Section 02570 – PRECAST MANHOLES, DRYWELLS, AND APPURTENANCES

- Replace Paragraph 2.7-A-1 with the following:
“1. Structure: Four foot minimum inside diameter precast unit for the manhole and two foot minimum inside clearance precast unit for the distribution box (4,000 psi minimum compressive strength) with flat top section including a twenty-four inch (24”) diameter (minimum) opening, and one pour monolithic base section conforming to ASTM C478. All units shall be designed for HS-20 loading. Manhole wall thickness shall be 5 inches, minimum.”
- Replace Paragraph 2.8-A-1 with the following:
“1. Structure: Precast concrete unit (5,000 psi minimum compressive strength) capable of holding 1,500 gallons below pipe inlet. Tank shall be two piece construction, one pour monolithic top and bottom section conforming to ASTM C150-81. Top section shall include at least two twenty-four inch (24”) diameter (minimum) openings. Reinforcement per ASTM C1227. All units shall be designed for HS-20 loading.”

Specification Section 13120 – METAL BUILDING SYSTEMS

- Delete Paragraph 1.3-K and replace with the following:
”K. IAS Accreditation: Copies of accreditation of Manufacturer.”
- Delete Paragraph 1.5-A and replace with the following:
“A. Metal building shall be the product of a recognized steel building systems manufacturer who has been in the practice of manufacturing steel building systems for a period of not less than 5 years. The manufacturer shall be chiefly engaged in the practice of designing and fabricating steel building systems. The metal building systems manufacturer shall be accredited under the International Accreditation Service, "Accreditation Criteria for Inspection Programs for Manufacturers of Metal Building Systems (AC472)." Structural framing and covering shall be designed by a licensed Professional Engineer registered in the Commonwealth of Massachusetts and experienced in design of this work.”

Sheet G-2

- Delete the Work Sequence Schedule table and replace with the following:

WORK SEQUENCE SCHEDULE				
	WTP & WELL STATION 3	WELL STATION 5	WELL STATION 7	TOTAL CONTRACT
SUBSTANTIAL COMPLETION	582 DAYS	27 DAYS	27 DAYS	21 MONTHS (636 DAYS)
CONTRACT COMPLETION	640 DAYS	30 DAYS	30 DAYS	23 MONTHS (700 DAYS)
LIQUIDATED DAMAGES	\$1,000 PER DAY	\$1,500 PER DAY	\$1,500 PER DAY	

Sheet C-13

- Add the following note:
“8. THE BOLLARDS AT WELL STATION 5 SHALL BE PROVIDED BY THE GENERAL CONTRACTOR AND SHALL BE STEEL-REINFORCED PRE-CAST CONCRETE WITH A YELLOW POLYETHYLENE SHELL. CONCRETE STRENGTH SHALL BE 5,000 PSI AFTER 28 DAYS.”

Sheet C-21

- Add the following note to the Bollard Detail:
*“NOTES:
 1. THE BOLLARDS AT WELL STATION 5 SHALL BE PROVIDED BY THE GENERAL CONTRACTOR AND SHALL BE STEEL-REINFORCED PRE-CAST CONCRETE WITH A YELLOW POLYETHYLENE SHELL. CONCRETE STRENGTH SHALL BE 5,000 PSI AFTER 28 DAYS.”*

Sheet A-2

- Delete the first sentence in the callout pointing to the lifting beam (page top center) and replace with the following:
“PEMB MFR. TO PROVIDE LIFTING BEAM WITH STOPPER, HOIST, AND MANUAL HOIST TROLLEY; BOTT. OF BEAM 12’-6” A.F.F.; SEE M-DRAWINGS FOR LOAD REQUIREMENTS; VERIFY LOCATION W/ ENGINEER (TYP).”

QUESTIONS AND ANSWERS

Question 1: General Bid form, page 00301-4 Item 11 Waterproofing, Damp proofing and Caulking provides breakout for Red Mill WTP and Well Station 3. Upon review of Superior Caulking Sub Bid Results it is apparent that additional pricing was provided for other locations including (Well 3, 5 and 7). Please advise.

Answer 1: When completing Part 2 of the General Bid Form, the General Bidder shall carry the filed sub-bid amounts for each sub-item number shown on the bid form. There is no waterproofing, damp proofing, and caulking work at Well Stations 5 and 7 as shown under Part 2 – Item 11 of the General Bid Form.

Question 2: Section 02060 Item 3.2.A.4 states to use only hand methods for grubbing within drip line of remaining trees. If this is true, the entire perimeter of the site will need to be cleared, stumped & grubbed by hand. Please confirm this is not the case and that equipment can be used? Hand clearing will add significant cost and time to the project due to the area size.

Answer 2: Refer to Specification Section 02060 – Site Clearing, Paragraph 3.2-A-4. Only hand methods shall be used for grubbing within the drip line of perimeter trees to remain.

Question 3: Spec section 13120 calls for the PEMB to be AISC certified. The AISC no longer certifies PEMB. Please confirm that this will no longer be required.

Answer 3: Refer to Addendum No. 5.

Question 4: Drawing A-2 calls for a beam for a trolley hoist, however there is no details showing how the beam is to be supported. Please provide a detail.

Answer 4: The lifting beam and supports shall be designed by the PEMB manufacturer. Refer to Specification Section 13120 – Metal Building Systems, Paragraph 1.6-J for design requirements. Refer to Addendum No. 4 for load requirements. Refer to Addendum No. 5.

Question 5: Drawing A-2 calls for the Misc. Metals FSB to provide the chain and hooks, and PEMB MFR. To provide the beam and trolley. Who is to provide the hoist and what is the required rated capacity?

Answer 5: Refer to Addendum No. 5.

Question 6: Please specify the size of the gutters and downspouts.

Answer 6: The pre-engineered metal building manufacturer is responsible for calculating and sizing gutters and downspouts per code. Refer Sheet A-3, Roof Plan Note 2.

Question 7: On Drawing A-1 only the closet in mechanical room 108 is indicated to be two-hour fire rated. No other room or walls are identified as fire rated. Please identify if the electrical room, mechanical room, control room, corridor, or toilet are required to contain penetration firestopping.

Answer 7: The closet in mechanical room 108 is the only room that requires penetration firestopping. Refer to Door/Frame Schedule on Sheet A-11.

Question 8: Please confirm that the masonry filed sub-bidder is responsible for setting and grouting embedded frames.

Answer 8: Refer to Typical Door/Frame Note 6 on Sheet A-11; Specification Section 08120 – Hollow Metal Frames, Paragraph 1.3-C; and Specification Section 08120 – Hollow Metal Frames, Paragraph 2.5-A. The General Contractor shall coordinate requirements for the installation of hollow metal frames with masonry walls.

Question 9: Please confirm that the bollards shown on C-13 are included in the scope of the Misc. Metals FSB

Answer 9: Refer to Addendum No. 5.

Question 10: On Drawing S-1, four sump pits are shown, please indicate if FRP grating is required at these locations. No section cut is provided.

Answer 10: Refer to Architectural drawings for FRP grating requirements and locations.

Question 11: The Substantial completion time of 492 days for the WTP & Well Station #3 is too aggressive. The metal building lead time for shop drawings and delivery is running 12 months and adding 1 month for approval review puts it out 13 months. This leaves 3 months to install the building and all the process equipment, piping, etc. and all subcontractor work. This is not attainable. We request that this portion of the work sequence have an additional 3 month added to the 492 days.

Answer 11: Refer to Addendum No. 5.

END OF ADDENDUM NO. 5