



CITY OF PROVIDENCE, RHODE ISLAND

Department: Providence Water

RFP Title: Western Johnston High Service Expansion (Site Work) - Contract 2 (Exp. 12/31/24)

Opening Date: June 20, 2023

Addendum #: 4

Issue Date: 05/25/2023

The following revisions, clarifications, additions and/or deletions, are hereby made as part of the Bid

Documents for the Western Johnston High Service Expansion – Contract 2 project.

**ADDENDUM NO. 4
FOR
WESTERN JOHNSTON HIGH SERVICE EXPANSION – (Site Work) CONTRACT 2
(Expires 12/31/24)
JOHNSTON, RHODE ISLAND
PROVIDENCE WATER SUPPLY BOARD
May 25, 2023**

Inclusion of this Addendum must be acknowledged by the bidders by inserting its number on the appropriate line on Page 3 of the Bid Form (Section 00310). Failure to acknowledge any and all addenda in the above specified bid form may be cause for rejection of the bid by the Providence Water Supply Board, on the grounds that the bid is not responsive.

The following revisions, clarifications, additions and/or deletions, are hereby made as part of the Bid Documents for the Western Johnston High Service Expansion – Contract 2 project.

A pre-bid meeting was held on April 18, 2023, at the Philip J Holton Water Purification Plant in Scituate, Rhode Island.

CONTRACT CLARIFICATIONS

1. The boundary survey of the property shall also include the installation of a benchmark and permanent granite bounds at the northwest and southwest corners of the property. The existing granite bound location at the southwest of the property shall be confirmed and reset if required. Elevation data shall be provided with benchmark and bounds.

QUESTIONS

1. **Will blasting for rock removal be permitted? Conflicting information can be seen in Sections 01150 – 2.16, 02200 – 3.04A, 02211 – 2.01A.**

Blasting for rock removal will be evaluated by the owner/engineer on a case-by-case basis.

2. **Drawing EA1.1 fire alarm system note #4 refers to a bi-directional amplifier system which will be a separate line item on the bid form. Could you please provide a specification for this system and a line item on the bid form?**

Fire alarm system shall be local only with exterior flashing lights and strobes. This work shall be included under Bid Item No. 11 – Interior Electric.

3. **Drawing EA1.1 indicates fire alarm devices to be furnished and installed and shall be compatible with the existing fire alarm system. Drawing E5.1 represents a different fire alarm design than drawing EA1.1. Drawing E5.1 shows only smoke detectors, which are tied into the RTU and not a fire alarm control panel. Please advise what is required for the fire alarm system.**

See above response. The fire alarm system shall be tied into the tanks RTU.

4. **Drawing EA1.1 and drawing E5.1 show the lighting fixtures required on the ground floor. At the interior doors and the stairs, there are conflicts between the two drawings. Please advise.**

All lighting fixtures in drawing EA1.1 applies to the rooms only. All other lighting fixtures should reference drawing E5.1.

5. **Drawing C4.0 indicates the THM Removal System (with associated electrical cabinet & wiring) is part of contract 1. Drawing E6.1 shows electrical work associated with the THM Removal System. Please advise the contract 2 electrical work associated with the THM Removal System.**

Contract 2 THM Removal System electrical work shall end at the distribution panel. Contract 1 shall include all other THM Removal System electrical work.

6. **Drawing E5.1 requires a three-way switch for the stairway lighting. Drawing E6.1 shows a single pole.**

Single pole required.

7. **What is the length of vertical process pipe required to be heat traced per drawing E5.1?**

It shall be the responsibility of Contract 1 to insulate, and heat trace the tank's riser pipe for the piping above the Utility Room ceiling.

8. **Where conflicts arise between the electrical specifications on drawing EA3.0 and the project manual, which take precedence?**

Any electrical drawing specifications and the project manual will be brought to the owner/engineer's attention. Conflicts will be evaluated on a case-by-case basis.

9. **Drawing E3.1 ductbank A conduit A indicates the electrical contractor is responsible for the primary cable. Is this cable provided by the utility company?**

Primary cable by power company, all other work including conduits, manholes, secondary conduit, secondary conduit disconnect switch, etc. by electrical contractor. Trenching and backfilling by general contractor.

10. **Drawing E3.1 ductbank A conduit C indicates a fiber optic cable is required. Please provide a specification for this cable.**

Fiber optic cable to be provided per the internet service provider requirements.

11. **Drawing E6.1 requires motor operated switches to the blower and mixer with conduits and wiring to LPA 8 and 10 via the control panel. LPA 8 and 10 are circuits for other equipment**

per the panel schedule. What are the amperages and wiring requirements for the blower and mixer?

Provide 2-inch conduit (3) #2, (1) #6G, (4) #14 from the blower unit on top of the tank to the blower control panel on sheet E5.1. Provide a 100A/3P, NEMA 4X, SS, non-fused disconnect switch. For the mixer unit provide ¾-inch conduit with (2) #12, (1) #12G from the mixer on top of the tank to the vendor supplied mixer control panel to be mounted next to the blower control panel. Provide ¾-inch conduit with (2) #12, (1) #12G from mixer control panel to LPS. Utilize the spare 20A/1P branch breaker as required.

- 12. Drawing EA1.1 indicates a new panel LP1 is fed from existing electrical systems. This panel is not shown on one-line or incorporated in panel LPA. Please provide the required feeder circuit breaker, feeder conduit & wire, and panel schedule for LP1.**

Panel LP1 is the blower control panel shown on sheet E5.1 with wire/conduit size shown on panel LPA-29, 31.

- 13. The panel schedule for LPA provides multiple circuits for mechanical equipment. These circuits do not match the equipment shown on drawing EA1.1. Also, the mechanical equipment shown on EA1.1 is to be fed from panel LP1.**

Any reference to LP1 on power panel is the same as LPA. Provide five (5) additional 20A/1P branch breakers in LPA for the mechanical equipment as required.

- 14. Who is responsible for furnishing and installing the heat trace shown on drawing P2.0?**

Furnishing and installing the heat trace shown on drawing P2.0 shall be completed under Contract 2.

- 15. Drawing E10.1 provides digital inputs for security door contacts. These are not shown on the floor plans. Is this equipment required?**

All security equipment will be billed under Bid Item No. 20 – Security Allowance and the exact scope is not known at this time. The contractor will need to hire BCM Controls Corporation to furnish and install all security equipment and the contractor for installing conduit and wires for the equipment. Costs for this will be developed during construction.

- 16. Sheet EA1.1 shows the new Panel LP1. This panel is not shown on E& One-line Diagram. How is the panel being fed?**

The new panel shall be installed under Bid Item No. 11 – Interior Electric Installation. Disregard the notes that indicate the panel as being new. Any reference to panel LP1 is the same as LPA shown on sheet E5.1. This panel is fed by 240/120V, single phase power.

- 17. Sheet EA1.1 shows FA devices around the conference room. No Riser Diagram or FACP location is shown. What is controlling these devices? Are Notification Devices required at the**

top of tank? Fire Alarm Sheet Note 4 calls for a BDA. In order for the specifics to be determined, a building survey must be done to determine the quantity and location of repeaters. Will a budget for this system be acceptable?

Please refer to sheets E5.1 and E10.1 for information regarding building fire alarm/smoke detectors and integration with the proposed RTU (wire and loop schedule). Any work associated with fire alarm system shall be under Bid Item No. 11 – Interior electric Installation.

18. Is MC Cable acceptable in wall cavities and above ceilings?

Yes, MC cable is acceptable for those usages.

19. Sheet EA1.0 shows ceiling occupancy sensors, and sheet EA1.1 shows a ceiling FA device where no ceiling exists. Please advise.

Occupancy sensors will need to be pendant, or wall mounted. The smoke detector at the bottom of the stairs will need to be pendant or wall mounted.

20. What is the diameter of the catwalk aluminum railing tubing shown on Sheet E8.1, Detail 3?

Final diameter of the catwalk aluminum railing tubing to be determined upon submittal of selected tank contractor's catwalk design.

21. Please elaborate on the scope of work for Bid Item No.13.

The scope of work for this bid item includes the construction and installation of the interior pedestal utility room and includes all electric, structural, architectural, flooring, roofing and any other incidentals as specified herein and included in the Contract Drawings.

22. How are the ceilings at the Utility and Conference rooms being supported?

Ceilings in Utility Room 102, Conference Room 103, Unisex Restroom 104, and Storage 105 shall be supported from steel joist framing atop wall assembly. Refer to Wall Types on Dwg A0.1 for references to ceiling assembly. Note that closure trims will be required to close any gaps between wall and ceiling assembly and precast concrete tank enclosure. Closure trims shall be noncombustible, thermally broken from concrete tank assembly. Assume 16 ga. 304 stainless steel closure trims at this time.