ADDENDUM NO. 2
TO CONTRACT DOCUMENTS FOR THE
PACHECO PUMPING PLANT PRIORITY 1 FIRE ALARM
AND SUPPRESSION SYSTEM IMPROVEMENTS PROJECT
Project No. 91214010 Contract No. C0653

Notice is hereby given to Prospective Bidders that the Contract Documents are modified as hereinafter set forth.

GENERAL QUESTIONS & RESPONSE

1. QUESTION Item 14.16.01. A.1-3 f -Owners and Contractors' Protective Liability. Please verify that this is required for this project, and if so, please provide the required limits for this line of coverage.

RESPONSE. Yes, Item 14.16.01 A is required for the project. The Owners and Contractors' Protective liability should be a part of the General Liability policy, and not a separate coverage. As such, the amount would be the same as required for the General Liability policy.

2. QUESTION. Please confirm that SCADA modifications referenced in 32.13 - 1.04 - A will be performed by the district. If work is by contractor, please provide specifications for SCADA system modification work.

RESPONSE. SCADA modifications required will be performed by Valley Water (District). See Addendum #2, Item 26.

3. QUESTION. Spec 32.13 - 1.04 - E - In lieu of a temporary fire alarm system and fire watch, is it acceptable to leave the existing fire alarm system in place until the new system is commissioned?

RESPONSE. Yes, it is acceptable to leave the existing fire alarm system in place until the new system is commissioned.
4. **QUESTION.** Drawing M-02 - Note 5. Please provide as-builts and control schematics for EF-2, EF-3, EF-4, and Cooling Units NCU-1 through NCU-6. In order to interlock for shutdown on actuation of clean agent system, we need to see how this equipment is wired, the starter configuration, starter location, etc. Please provide single line drawings and panel schedules showing the power feed to each of these pieces of equipment.

**RESPONSE.** As-builts are provided via Valley Water’s FTP site. To get access, a Non-Disclosure Agreement (NDA) must be signed and submitted to Valley Water. A copy of the NDA can be found in the Valley Water website.

5. **QUESTION.** Spec 12.01 - B.1. Regarding demo of existing fire control, please provide drawings that show the extent of the demolition work.

**RESPONSE.** See Addendum #2, Item 28, Sheet D-01, and below.

Demolition on this project is composed of the following:

1) Removal of the existing FACP
2) Removal of a small section of water pipe associated with the Fire Water supply.
3) Removal of the existing underfloor smoke detectors, junction boxes, and conduit branches

6. **QUESTION.** Based on the findings while on the Bid Walk, 7/16/2020, will there be an opportunity to visit the site again with some of our installers?

**RESPONSE.** No, there will not be an opportunity to visit the site again.

7. **QUESTION.** Will there be an extension of the Bid Due Date? Especially if we are allowed a second visit as requested above.

**RESPONSE.** No, there will not be an extension of the bid due.

8. **QUESTION.** Are alternates acceptable for this project? If so, any requirements for providing one?

**RESPONSE.** Alternate designs may be permitted for the clean agent system, pending favorable review of shop drawing submittals, but the system must:

1) Use Novec 1230 as the clean agent,
2) Have the clean agent storage and accessories located in the Service Bay Area shown in the Upper Plan, and
3) Provide protection for the ASD Gallery and underfloor area

9. **QUESTION.** I did not see anything in the Sequencing related to the VESDA detection. Are the VESDA detectors to be installed for both the Fire Alarm and Clean Agent Systems or just one, like the Fire Alarm System only?
RESPONSE. VESDA detectors are to be incorporated in both the Clean Agent detection system and the ‘building’ fire alarm detection system, based on the schematic layout of Drawing E-02 and the detector locations shown on Drawing E-04.

10. QUESTION. Do the VEU’s need 120V power? I don’t see that addressed on the contract drawings? Where will this be fed from?

RESPONSE. The VESDA units run from 24 VDC power, supplied from the Fire Alarm Control Panel.

11. QUESTION. Please provide as-builts for any equipment, systems, conduit, wiring that needs to be demolished as part of this work.

RESPONSE. See Responses on Items #4 & #5.

12. QUESTION. What is the floor loading limitations for the false floor in the ASD room?

RESPONSE. The false floor system combined (live load + dead load) loading limit is 250 PSF.

13. QUESTION. Can we walk on top of the existing ASD’s?

RESPONSE. No, it is not acceptable to walk on top existing ASD’s.

14. QUESTION. We noticed at the job walk that there was some expansion fittings on existing conduits where they crossed the expansion joints in the building. Will this be required? If so please provide locations of all expansion joints in the building.

RESPONSE. Conduit expansion joints are required wherever they are currently placed on existing conduits that traverse across the pump station and cross expansion joints.

15. QUESTION. Please provide wall thickness for all walls that need to be core drilled.

RESPONSE. Please see scaled drawings in the Pacheco Pumping Plant and Substation as-builts. See Response on Item #4.

16. QUESTION. Is it acceptable to drive a scissor lift onto the floor in the ASD room?

RESPONSE. Approval of a specific scissor lift for use on this project may be granted by Valley Water after submission and favorable review of shop drawing submittal.

17. QUESTION. There doesn’t appear to be any 120V power shown to the Clean Agent Fire Suppression Control Panel or the FACP on drawing E-07. Please provide information as to where these panels will get their power from.

RESPONSE. See Sheet E-12 of the ASD Replacement Project As-builts. Refer to Response on Item #4.
18. QUESTION. Per Section 32.15 Part 2 Products 2.01 Equipment B Clean Agent Storage 4. Cylinders shall be located remote from the hazard area as indicated on the Drawings. (Page 32.15-3). Is this the only location the cylinders can be installed? Can an alternate location be provided, including possibly in the hazard?

RESPONSE. Bidders shall bid the project with the clean agent cylinders as shown on the contract documents. No deviation from this location is allowed.

19. QUESTION. What are the elevations in the ASD Gallery? Drawing M-03 Section A/M-1 looks to scale the subfloor at 2’ and the above finished floor at 18’ for a total of 20’. The specifications on page 32.15-3 state an overall height of 22’.

RESPONSE. The soffit of the ceiling elevation is 569.42. The structural sub-floor elevation is 546.42. The walking surface is approximately 2 ft above sub-floor. Walking surface to ceiling is approximately 21 ft.

20. QUESTION. Has there been a preliminary flow calculation on the Novec 1230 piping? Based on the designated cylinder location the pipe run seems to be surpassing the limits of the Kidde ADS.

RESPONSE. System capacity calculations were performed, but flow calculations were not. Manufacturer’s literature indicates that the layout is within the limits of the system. Alternate piping layouts between the indicated storage area and the ASD Gallery may be permitted upon favorable review of shop drawing submittals.

21. QUESTION. The ASD Gallery has (3) existing roof Exhaust Fans, EF-2, EF-3 and EF-4. Will these have dampers, existing or installed, to support the integrity of the room for a clean agent discharge?

RESPONSE. Provide new gravity backdraft dampers at the existing exhaust fan locations. No motors or automated monitoring of these dampers is required.

22. QUESTION. Can the Fire Alarm and Clean Agent Control Panels be combined into one control panel?

RESPONSE. No. Bidders shall bid the project with two panels as shown on the contract documents.

23. QUESTION. Per Spec Section 32.15 Part 2 Products 2.01 Equipment D Control Panel, Actuation Detection and Alarm Systems 6. Provide a minimum of two photoelectric smoke detectors located and spaced to provide no more than 100 square feet of coverage per detector (Page 32.15-5). Does the under floor require the same spacing or should we refer to drawing E-06 which shows the smoke detectors installed down the center?

RESPONSE. The new under floor detectors are replacements for the existing detectors and shall be installed at the same location as the existing detectors.
BID DOCUMENTS

NOTICE TO BIDDERS

24. REPLACE Item 13.A. in its entirety with:

“A. Join Zoom Meeting. Any person interested in attending the live-stream bid opening, may do so by accessing the link below, or join via phone by calling the toll-free number listed below:

Join Zoom Meeting
https://valleywater.zoom.us/j/3796054075
Meeting ID: 379 605 4075
One tap mobile
16699009128,,3796054075# US (San Jose)
+13462487799,,3796054075# US (Houston)
Dial by your location
+1 669 900 9128 US (San Jose)
+1 346 248 7799 US (Houston)
+1 253 215 8782 US (Tacoma)
+1 646 558 8656 US (New York)
+1 301 715 8592 US (Germantown)
+1 312 626 6799 US (Chicago)
Meeting ID: 379 605 4075
Find your local number: https://valleywater.zoom.us/u/aekffBkBma”

25. REPLACE Bid Form No. 5 in its entirety with ATTACHMENT NO. 1 – REVISED BID FORM NO. 5

SPECIFICATIONS AND CONTRACT DOCUMENTS

TECHNICAL PROVISIONS

26. Under ARTICLE 32.13 – FIRE ALARM CONTROL SYSTEMS, PART 1 GENERAL, 1.04 SCOPE OF WORK

REPLACE Article 1.04.A in its entirety with:

“Replacement of the existing Fire Alarm Panel and associated initiating and notification devices. The existing Fire Alarm Panel is connected to a central station and the central station notifies the Valley Water staff and Cal Fire of any alarms. The pumping station is normally unmanned and the response time from the nearest fire station is approximately 30-45 minutes. Existing initiating devices include manual pull stations, smoke detectors, and duct detectors. Duct detectors currently are not connected to the existing FACP but are connected to SCADA. SCADA system shall be modified to reflect duct detectors connected to the new FACP. SCADA modifications will be performed by Valley Water. Existing notification devices are horn/strobes.”
CONSTRUCTION MAP AND PLANS

27. REPLACE sheet G-02, Drawing Index, General Notes, and Legend (ATTACHMENT 2).

28. ADD sheet D-01, Demolitions Plans (ATTACHMENT 3).

THIS ADDENDUM NO. 2, WHICH CONTAINS 6 PAGES AND 3 ATTACHMENTS, IS ATTACHED TO AND IS A PART OF THE SPECIFICATIONS AND CONTRACT DOCUMENTS FOR THIS PROJECT.

[Signature]
Heath McMahon, P.E.
Deputy Operating Officer
Water Utility Capital Division

Date: July 29, 2020

Enclosure(s):
ATTACHMENT 1: Revised Bid Form no. 5
ATTACHMENT 2: Revised Drawings - G-02
ATTACHMENT 3: New Drawings - D-01
BE IT KNOWN BY THESE PRESENTS,

That we, ____________________________________________, as PRINCIPAL, and ____________________________________________, as SURETY, are held and firmly bound unto the Santa Clara Valley Water District, hereinafter called the District, in the penal sum of TEN PERCENT (10%) OF THE TOTAL AMOUNT OF THE PROPOSAL of the Principal above named, submitted by said Principal to the Santa Clara Valley Water District, for the work described below, for the payment of which sum is lawful money of the United States, well and truly to be made, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents. In no case shall the liability of the surety hereunder exceed the sum of $     .

THE CONDITION OF THIS OBLIGATION IS SUCH,

That whereas the Principal has submitted the above mentioned Proposal to the District, for certain construction specifically described as follows, for which Proposals are to be opened at San Jose, California, on August 5, 2020, (or such other date as specified per Addendum) for Pacheco Pumping Plant Priority 1 Fire Alarm and Suppression System Improvement Project.

NOW, THEREFORE, if the aforesaid Principal is awarded the Contract and, within the time and manner required under the Contract Documents, after the prescribed forms are presented to him for signature, enters into a written contract, in the prescribed form, in accordance with the Proposal, and files originals (copies are unacceptable) of the two bonds with the District, one to guarantee faithful performance and the other to guarantee payment for labor and materials, as required by law, then this obligation shall be null and void; otherwise, it shall be and remain in full force and virtue.

In the event suit is brought upon this bond by the obligee and judgment is recovered, the surety shall pay all costs incurred by the obligee in such suit, including a reasonable attorney’s fee to be fixed by the court.

IN WITNESS WHEREOF, we have hereunto set our hands and seal on the _____ day of _____, 20__

PRINCIPAL: ____________________________________________

Signature

Name

Title

Address

SURETY: ____________________________________________

Signature

Name

Title

Address

PPP PRIORITY 1 FIRE ALARM AND SUPPRESSION SYSTEM IMPROVEMENTS PROJECT

(Rev. 3/10/20)

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