



CAPITAL PROGRAM SERVICES
5750 ALMADEN EXPRESSWAY
SAN JOSE, CA 95118-3686
TELEPHONE (408) 630-3088
FACSIMILE (408) 979-5631
www.valleywater.org
scvwdplanroom@valleywater.org

Santa Clara Valley Water District
Notification of this Addendum is transmitted via email to all current plan holders.
This Addendum is posted on the Valley Water website at
<https://www.valleywater.org/construction>

July 29, 2020

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.



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



This form must be completed in **ink** and changes must be **initialed**.

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:

SURETY:

Signature

Signature

Name

Name (Seal)

Title

Title

Address

Address

DRAWING INDEX

SHEET CODE DESCRIPTION SHEET NUMBER

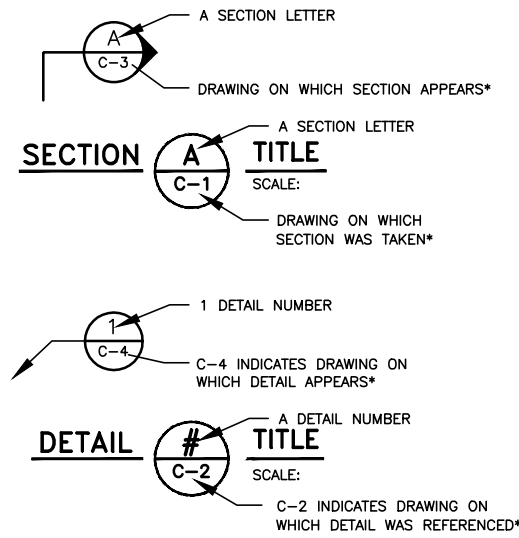
GENERAL		
G-01	TITLE SHEET, LOCATION AND VICINITY MAPS	1 OF 15
G-02	DRAWING INDEX, GENERAL NOTES, AND LEGEND	2 OF 15
G-03	ABBREVIATIONS	3 OF 15
G-04	SITE PLAN AND SITE ACCESS	4 OF 15
DEMOLITION		
D-01	ASD GALLERY DEMOLITION PLAN	5 OF 15
MECHANICAL		
M-01	FIRE PROTECTION SYSTEM PLAN	6 OF 15
M-02	HVAC MODIFICATIONS	7 OF 15
M-03	SYSTEM SCHEMATIC, SECTION, AND DETAILS	8 OF 15
ELECTRICAL		
E-01	ABBREVIATIONS, LEGEND AND NOTES	9 OF 15
E-02	FIRE ALARM BLOCK DIAGRAM	10 OF 15
E-03	MAIN STRUCTURE SINGLE LINE, PANELBOARD AND LTG SCHEDULE	11 OF 15
E-04	MAIN STRUCTURE (BASEMENT) FIRE ALARM SYSTEM AND EXIT LIGHTING	12 OF 15
E-05	MAIN STRUCTURE (BASEMENT) FIRE ALARM HVAC DUCT DETECTORS	13 OF 15
E-06	MAIN STRUCTURE (CRAWL SPACE) FIRE ALARM SYSTEM	14 OF 15
E-07	MAIN STRUCTURE MEZZANINE LEVEL	15 OF 15

GENERAL NOTES

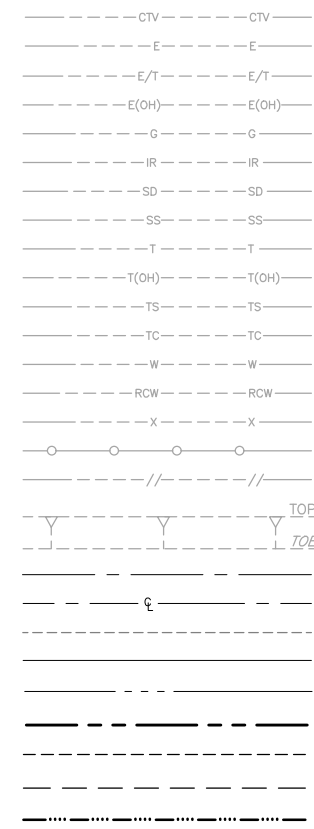
- THE DRAWINGS ARE ORGANIZED BY GENERAL, MECHANICAL, AND ELECTRICAL WORK FOR CONVENIENCE ONLY. HOWEVER, ANY TYPE OF WORK MAY BE SHOWN ON ANY DISCIPLINE OF DRAWING. FURTHER, NEW WORK MAY BE SHOWN ON DEMOLITION DRAWINGS AND VICE VERSA.
- WHERE THE WORK IS DEPENDENT UPON THE DIMENSIONS OF EXISTING FACILITIES, THE CONTRACTOR SHALL VERIFY THE DIMENSIONS IN THE FIELD PRIOR TO FABRICATION AND CONSTRUCTION.
- THE EXISTING UNDERGROUND UTILITIES AND PIPELINES ARE SHOWN AT APPROXIMATE LOCATIONS ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATIONS OF ALL EXISTING UTILITIES AND PIPELINES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR DAMAGE WHICH IS CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE UNDERGROUND UTILITIES AND PIPELINES PRIOR TO COMMENCING WORK.
- CONTRACTOR SHALL PROTECT ALL EXISTING PIPES, DUCTS AND EQUIPMENT IN THE AREAS WHERE WORK IS TO BE PERFORMED. ANY DAMAGE SHALL BE REPAIRED OR REPLACED TO THE AGENCY'S SATISFACTION AT THE CONTRACTOR'S COST.
- ALL EXISTING SURFACES DAMAGED BY CONSTRUCTION ACTIVITIES SHALL BE RESTORED AT THE CONTRACTOR'S EXPENSE.
- WHEN EQUIPMENT AND/OR PIPING IS TO BE DEMOLISHED BY THIS CONTRACT, THE CONTRACTOR SHALL REMOVE ALL ACCESSORY ITEMS, ASSOCIATED BOLTS, SUPPORTS, AND CONCRETE PADS AS WELL, UNLESS OTHERWISE SHOWN. IN ADDITION, ALL PROTRUDING ITEMS SHALL BE GROUND SMOOTH AND PIPES PLUGGED (OR CAPPED). ALL SURFACES AFTER REMOVAL SHALL BE FINISHED TO MATCH SURROUNDING AREAS.
- ALL MECHANICAL AND ELECTRICAL WORK AND MATERIALS SHALL CONFORM IN EVERY ASPECT TO THE LATEST MERCED COUNTY BUILDING CODE AND ALL APPLICABLE SUPPLEMENTS, EXCEPT WHERE EXCEEDED IN PLANS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL SUPPLY ALL MATERIALS, EQUIPMENT, LABOR AND ALL APPURTENANCES AS SHOWN AND SPECIFIED.
- CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE, COUNTY AND LOCAL LAWS, AND REGULATIONS WITH RESPECT TO SAFETY, WORKING HOURS, NOISE, AIR POLLUTION AND SANITARY CONDITIONS.
- THE CONTRACTOR IS REQUIRED TO HAVE CLASS A C-10 LICENSE ISSUED BY THE STATE OF CALIFORNIA.

DETAIL AND SECTION DESIGNATION

* IF SECTION OR DETAIL APPEARS ON THE SAME DRAWING AS THE CALLOUT, THE DRAWING REFERENCE IS REPLACED WITH A DASH (-)

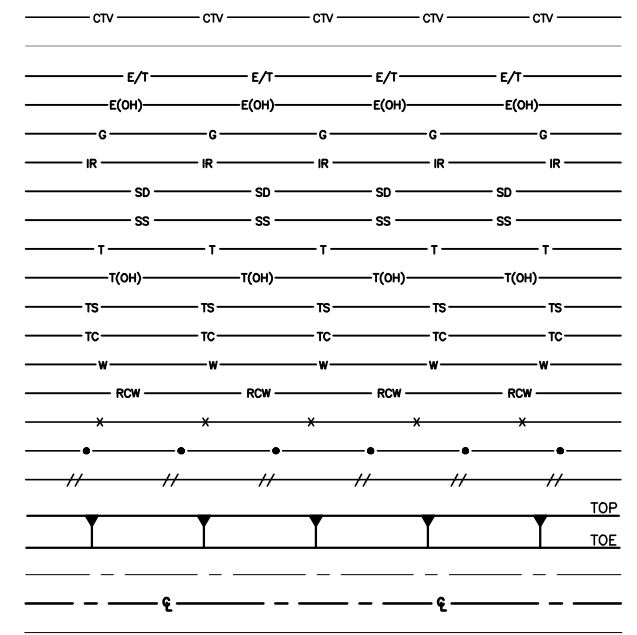


EXISTING



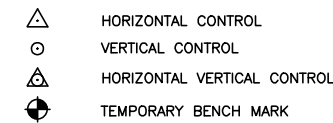
LINE TYPE LEGEND

PROPOSED

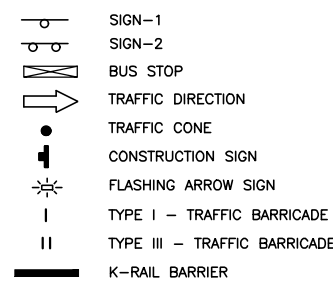


SYMBOLS LEGEND

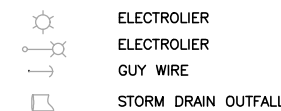
SURVEY



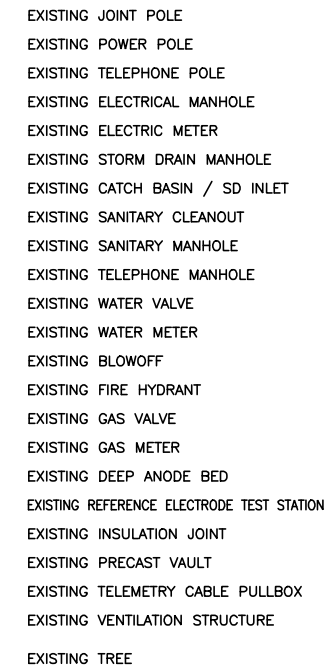
TRAFFIC CONTROL



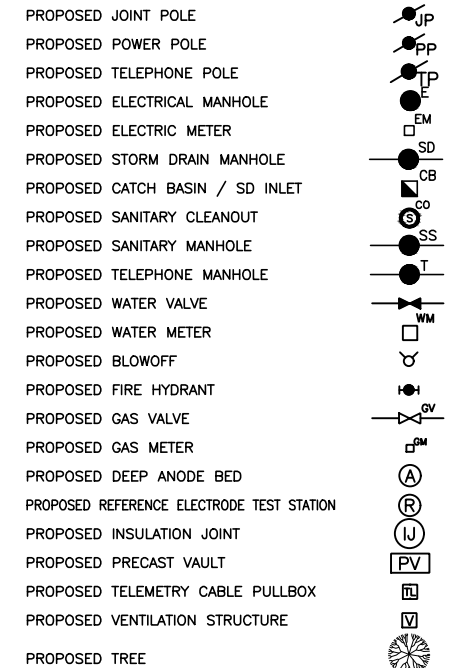
MISCELLANEOUS



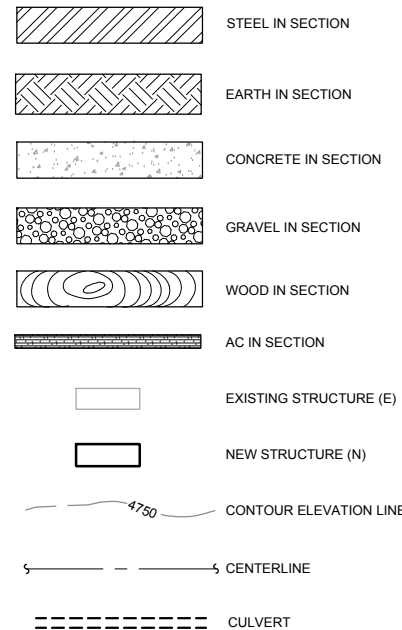
EXISTING



PROPOSED



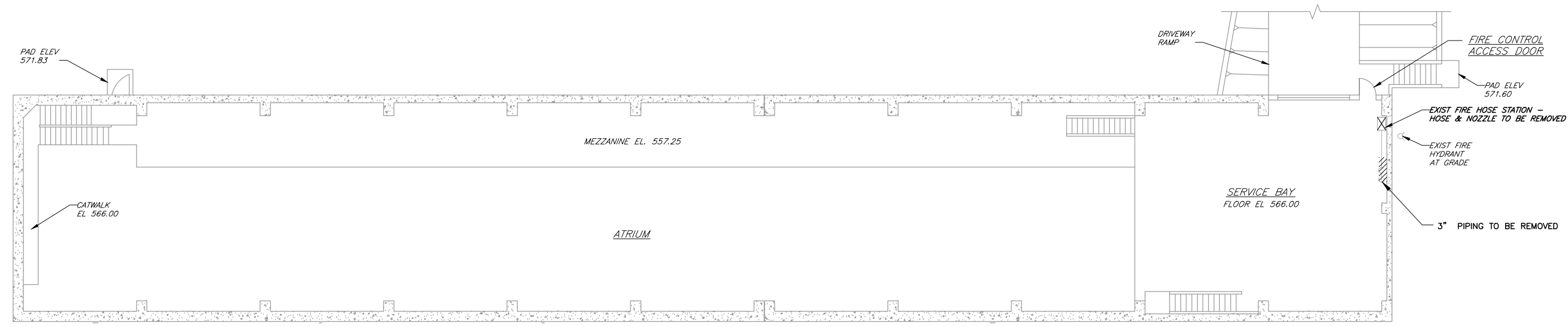
GENERAL LEGEND



ATTACHMENT 2

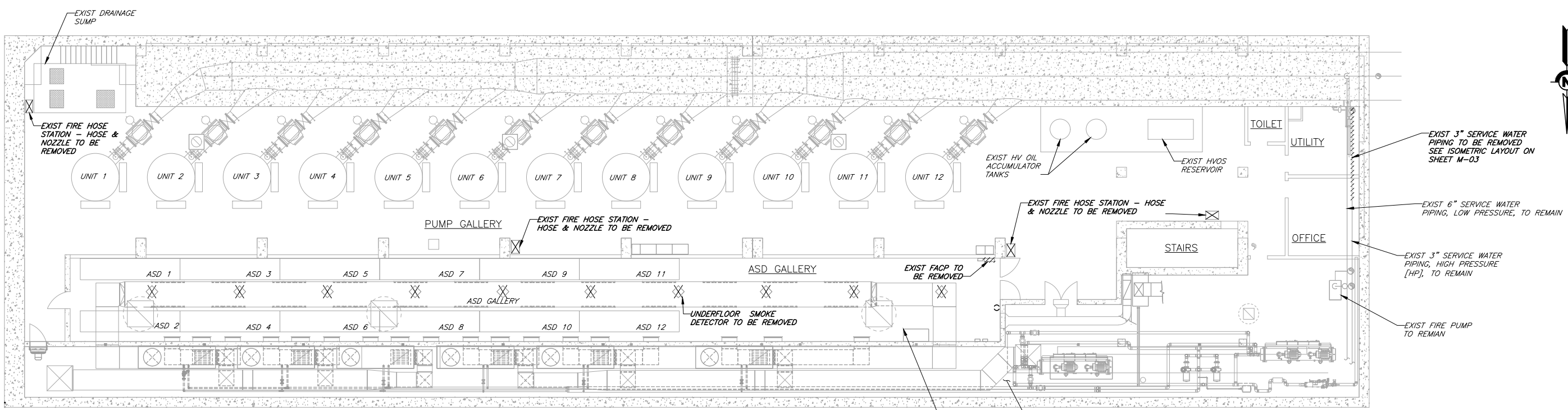
REV 1 ADDENDUM #2 07/20 EA		DESCRIPTION		DATE APPR REFERENCE INFORMATION AND NOTES		DATE JUL 2020	ENGINEERING CERTIFICATION	SANTA CLARA VALLEY WATER DISTRICT	PROJECT NAME AND SHEET DESCRIPTION: PACHECO PUMPING PLANT PRIORITY 1 FIRE PROTECTION IMPROVEMENTS DRAWING INDEX, GENERAL NOTES, AND LEGEND		SCALE AS SHOWN VERIFY SCALES 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	PROJECT NUMBER 91214010
ADDENDA DRAWING 07-27-2020				EA		7/27/2020			ACCEPTED BY DISTRICT		SHEET CODE: G-02	SHEET NUMBER: 2 OF 15

USERNAME: Valeonu 7/29/2020 11:02 AM
 FILENAME: P:\Small Caps Projects\WU\2018 - 2019 Projects\PPP Fire Supp Sys
 Top_301_3.05_FinalCalcs-18s-18s-Survey-Photos\3.05.5_Drawings\D-01.dwg



PLAN AT ELEVATION 571.83 (UPPER PLAN)

SCALE: 3/32" = 1'-0"



PLAN ELEVATION AT 548.50 (LOWER PLAN)

SCALE: 3/32" = 1'-0"

ATTACHMENT 3

DOCUMENT NUMBER: PPP-E-9121-XXXX

1 ADDENDUM #2 ADDENDA DRAWING 07-27-2020	DATE: JUL 2020 DESIGN: XXX DRAWN: VO CHECKED: EA	ENGINEERING CERTIFICATION No. 59583 CIVIL STATE OF CALIFORNIA 7/27/2020 ENGINEER	SANTA CLARA VALLEY WATER DISTRICT PROJECT ENGINEER	PROJECT NAME AND SHEET DESCRIPTION: PACHECO PUMPING PLANT PRIORITY 1 FIRE PROTECTION IMPROVEMENTS ASD GALLERY DEMOLITION PLAN	SCALE: AS SHOWN VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	PROJECT NUMBER: 91214010 SHEET CODE: D-01 SHEET NUMBER: 5 OF 15
	DATE: 07/20 APPR: EA REFERENCE INFORMATION AND NOTES	DATE: 7/27/2020 ACCEPTED BY DISTRICT: _____ DATE: _____	PROJECT NAME AND SHEET DESCRIPTION: PACHECO PUMPING PLANT PRIORITY 1 FIRE PROTECTION IMPROVEMENTS ASD GALLERY DEMOLITION PLAN		SCALE: AS SHOWN VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	PROJECT NUMBER: 91214010 SHEET CODE: D-01 SHEET NUMBER: 5 OF 15