



LAKE HAVASU CITY, ARIZONA

ADDENDUM NO. 4

Lake Havasu City Booster Station 4 Improvements  
PROJECT NO. 108029

December 11, 2023

Attention is called to the following changes, additions, clarifications and/or deletions to the original solicitation and they shall be taken into account in preparing submissions:

Change in the opening date. **Submissions are due no later than 3:00 p.m., Arizona Time, December 20, 2023**, at the City Clerk's Office, 2330 McCulloch Blvd. N., Lake Havasu City, AZ 86403.

In accordance with the Information for Bidders, Section 00100 -16, Addenda and Interpretations, the following revisions to the Plans and Specifications shall become a part of the Contract Documents and each bidder shall acknowledge receipt thereof on page 00300-1 of the Bid Proposal.

1. Questions & Answers from Non Mandatory Pre Bid meeting Emails from November 13, 2023 to December 1, 2023 REQUEST FOR INFORMATION attached with this addendum.

BIDDER'S ACKNOWLEDGEMENT

DATE: December 11, 2023

BY: \_\_\_\_\_

Name: - - - - -

Title: \_\_\_\_\_

## Lake Havasu City Booster Station 4 Improvements PN 108029

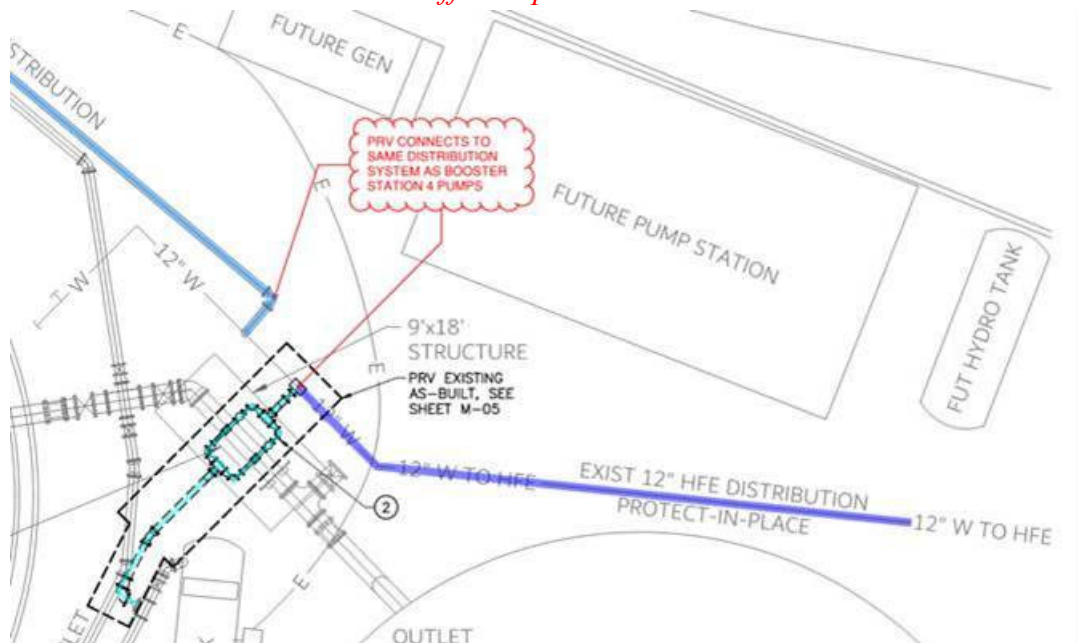
### Questions & Answers from Non Mandatory Pre Bid meeting Emails from November 13, 2023 to December 1, 2023 REQUEST FOR INFORMATION

1. During the site visit, it wasn't made clear how long the Booster Station can be taken out of service to demo and install the pump, piping and electrical improvements.

*Answer: Once a day, for six hours max, starting at 9:00 am*

- a. Based on Plan Sheet C-03, it appears the PRV station was installed to connect the other Booster Pumps on-site to the distribution system associated with Booster Station 5.

*Answer: The PRV is serves a different pressure zone.*



- b. Please verify how the PRV and other Booster Pumps affect the ability to take Booster Station 4 offline during construction.

*Answer: Site 4 booster pump station (BPS), delivers water from two Zone 4 storage tanks to Zone 6 foothill estates distribution system and tanks. Existing Site PRV delivers water to hydro zone distribution system.*

- c. If this booster station can't be taken offline for the entire duration of construction, please let us know as soon as possible to allow time to determine required bypass and/or shutdown requirements.

*Answer: Booster station can only be taken off for 6 hours.*

- d. For multiple shutdowns, how often can we take the Booster Station offline (Once a day, Once a Week, etc.), how long can each shutdown be, and at what times can shutdowns occur?

*Answer: Once a day, for six hours max, starting at 9:00 am*

2. What type of notification is required to residents if we will be required to perform multiple shutdowns to complete the pump, piping and electrical modifications as well as the tie-in at Cherry Tree Lane?

*Answer: Lake Havasu City (LHC) will coordinate residential shutdowns notices. Contractor must notify LHC within 48 hrs. before shutdown.*

3. Is a third-party PR firm required or does the City handle notifications to their customers on behalf of the Contractor?

*Answer: LHC will handle notifications.*

4. Please provide as-builts or the depth of the existing suction and distribution piping we will be connecting to.

*Answer: Asbuilts will be provided. Contractor will need to field verify pipe depth.*

5. Please provide as-builts or the depth of the existing piping to be connection on Cherry Tree Lane.

*Answer: Contractor will need to field verify connection depth, assume 4 foot bury depth for bidding purposes.*

6. The specifications (05120) still have steel tank scopes in them. It says the contractor is to install new side vents, install a new 30" access door, etc., is this supposed to be part of this contract?

*Answer: Specification Section 05120 is not applicable to this project and is deleted by this addendum.*

7. Can disinfection of tie-in locations be sprayed/swabbed with chlorine prior to tying into the existing system?

*Answer: Contractor shall be responsible for disinfection meeting ADEQ requirements.*

8. Sheet M-03, Key Note 24 indicates a pipe support pad but there is not pipe support there, is this supposed to be a ARV or pressure gauge?

*Answer: Delete note 24 from Sheet M-03.*

9. Existing pumps have small concrete equipment pads, sheet M-04 doesn't call out the equipment pad. We assume the contractor is to pour an equipment pad per Detail 110, sheet M-07 to match existing?

*Answer: New Booster equipment pad will need to be extended to match existing pad.*

10. Can you provide clarity for the amperage rating of disconnects and/or fuses required on Sheet E2 for the new fuse-able disconnects (type 5). Disconnects are rated 60A but calling out 80A Class J fuses?

*Answer: Disconnects will need to be 100amp.*

11. Will the Station be shut down so we can work on it?

*Answer: Yes it will be shutdown periodically to allow work to be completed, maximum of 6 hours at a time.*

12. Is the City putting in the PRV station or has that already been completed?

*Answer: PRV Station Plan (m-05) It has already been completed and is for record drawings only – NOT IN SCOPE.*

13. How long can we be off-line?

*Answer: It can be off for six hours.*

14. Is there a bypass to get water to the top of the hill?

*Answer: No there is no bypass line.*

15. Can we use the open gravel space behind the tanks as a staging area?

*Answer: Yes this spaces can be utilized by the contractor.*

16. Will the siding be continued over the new pump?

*Answer: Yes as shown in the canopy drawings.*

17. Will the cinder block run all the way out or do we need to extend the corner supports (make them higher)

*Answer: You can extend the corner supports.*

18. How deep is the section of discharge at the pump and on Cherry Tree?

*Answer: Both are approximately 4' deep.*

19. What is the scope of work for the LHC pre-approved I&C integrator, if any?

*Answer: No need for integrator for work shown.*

20. What is the scope of work in the SCADA RTU cabinet?

*Answer: Installing Ethernet Cable from new VFD to existing Ethernet switch.*

21. Sheet E-02 shows 80-amp fuses in 60-amp disconnect switches. Should these disconnect switches be bid as the appropriate 100-amp rated switches?

*Answer: yes, disconnect switches must be 100 amp rated, change amp rating on Sheet E-02 to 100 amp from 80.*

22. Sheet E-02 shows Nema 12 rating for the disconnect switches. Is Nema 3R an acceptable alternate?

*Answer: NEMA 3r disconnect switches are acceptable.*

23. Will owner be providing all programs and programming services, including the VFD?

*Answer: LHC to provide programming, including VFD.*

24. Will LHC provide a list of desired VFD parameter settings, or should we plan to match the parameters in the existing adjacent VFD's?

*Answer: LHC to provide all parameters and Program VFD.*

25. Will LHC be adding a network switch to the existing RTU for provision to land the ethernet cable from VFD #5?

*Answer: There is an existing 8 port Ethernet switch with available port to land VFD #5's Ethernet cable.*

26. In the Lake Havasu LHC Booster Pump Station 4 on sheet M-07 detail number 402 notes a high pressure switch-air release valve assembly. This assembly is shown with a 1/2" stainless steel nipple coming off the pipe with a service saddle up to a 1/2" stainless steel cross. Directly above the 1/2" cross the detail calls for a 3" combination air release valve. Please clarify the size requirements for the air valve, as the inlet on a 3" air release valve is not designed for a 1/2" nipple. The detail also does not show a support for the 3" air release valve. Due to the weight of a 3" valve, this detail will not work as

shown. Please clarify the size of the air release valve and verify the piping requirements from the service saddle to the valve.

*Answer: ARV size will be 1 inch with a 1 inch NPT.*

27. Specs state the existing pump station is to remain in service during construction, is there an allowable shutdown window to install the modified suction and discharge pipe?

*Answer: yes, 6 hour shutdown is acceptable.*

28. Is there an allowable shutdown time frame for the following scope of work:

- a. Cherry Lane PRV Modifications

*Answer: Cherry Tree PRV removed from project*

- b. Cherry Lane 4" Tie In

*Answer: Cherry tree PRV and Tie-in removed from project.*

- c. Cherry Tree Pl Pipe Connections.

*Answer: 4 hour shutdown*

29. Select pieces will need to be installed during critical shut downs – i.e. the tee and valve at the Cherry Tree PRV – is it acceptable for these items to be swabbed with chlorine before being placed in service in lieu of the full 24 hour disinfection window?

*Answer: Cherry tree PRV and Tie-in removed from project.*

- a. Can the items mentioned above be visually inspected while in service in lieu of full pressure test?

*Answer: Cherry tree PRV removed from project*

30. Will a site walk be made available? If not, can photos of the existing shade canopy be provided?

*Answer: Non-mandatory pre bid was held on November 30, 2023 @ 1:30 pm. Site photos can be provided.*

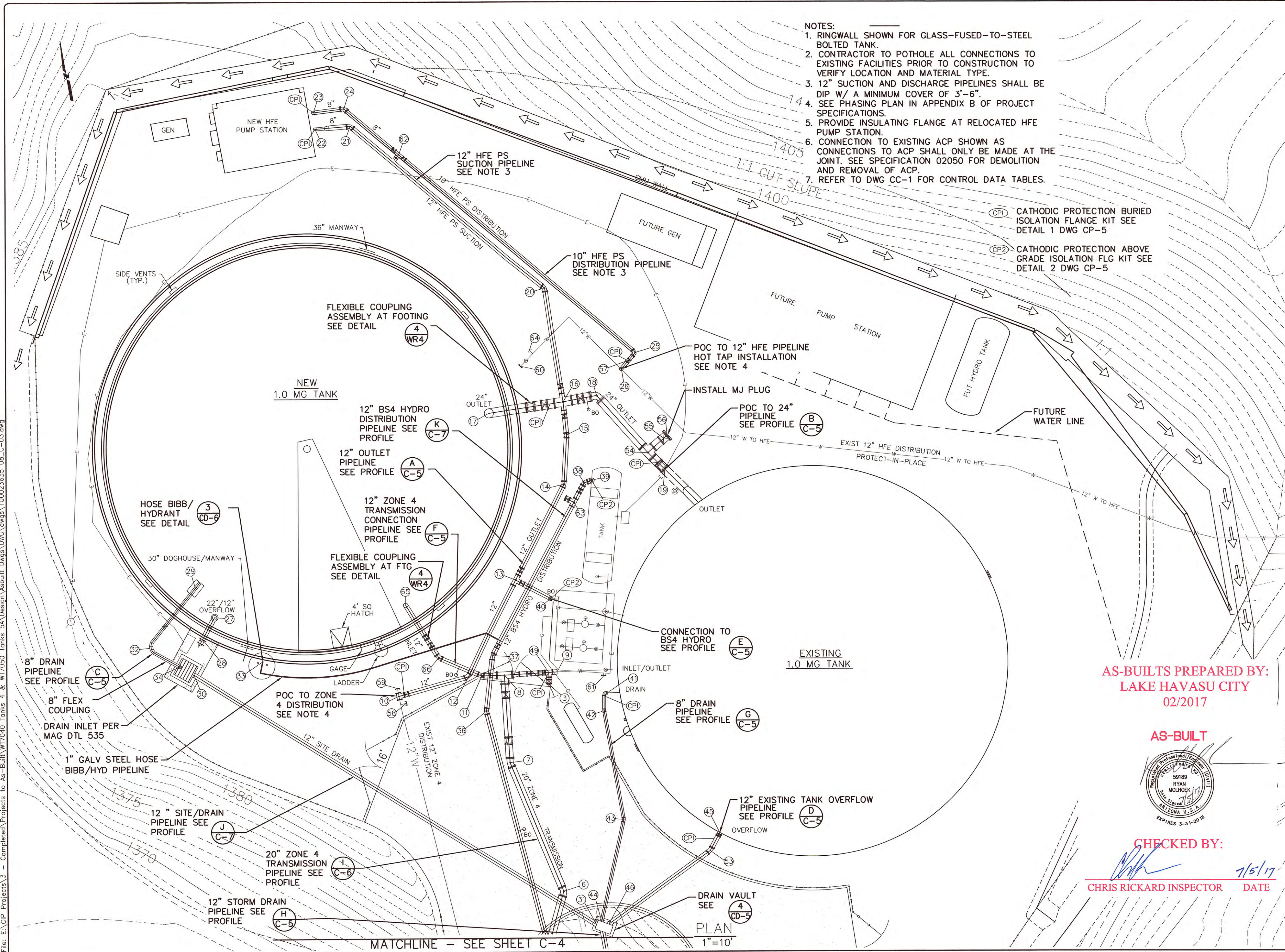


31. *Canopy Photo at the site show below for information as requested.*





Plotted By: blanco Date: 27-Mar-17-11:30  
File: E:\CIP Projects\3 - Completed\Projects to As-Built\WT7040 Tanks 4 & WT7050 Tanks 5A\Design\Asbuilt Dwg\DWG.dwg\100023635 08\_C-03.dwg



- NOTES:
1. RINGWALL SHOWN FOR GLASS-FUSED-TO-STEEL BOLTED TANK.
  2. CONTRACTOR TO POTHOLE ALL CONNECTIONS TO EXISTING FACILITIES PRIOR TO CONSTRUCTION TO VERIFY LOCATION AND MATERIAL TYPE.
  3. 12" SUCTION AND DISCHARGE PIPELINES SHALL BE DIP W/ A MINIMUM COVER OF 3'-6".
  4. SEE PHASING PLAN IN APPENDIX B OF PROJECT SPECIFICATIONS.
  5. PROVIDE INSULATING FLANGE AT RELOCATED HFE PUMP STATION.
  6. CONNECTION TO EXISTING ACP SHOWN AS CONNECTIONS TO ACP SHALL ONLY BE MADE AT THE JOINT. SEE SPECIFICATION 02050 FOR DEMOLITION AND REMOVAL OF ACP.
  7. REFER TO DWG CC-1 FOR CONTROL DATA TABLES.

- CPI CATHODIC PROTECTION BURIED ISOLATION FLANGE KIT SEE DETAIL 1 DWG CP-5
- CP2 CATHODIC PROTECTION ABOVE GRADE ISOLATION FLG KIT SEE DETAIL 2 DWG CP-5

AS-BUILTS PREPARED BY:  
LAKE HAVASU CITY  
02/2017

AS-BUILT



CHECKED BY:  
CHRIS RICKARD INSPECTOR  
DATE 7/5/17

REVISIONS:

1	AS-BUILT 02/17 01B
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LAKE HAVASU CITY, ARIZONA • 866-631-6316

ATKINS

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FAX 928.855.4535

SITE 4 - YARD PIPING I PLAN

WATER SYSTEM IMPROVEMENTS  
TANKS 4 AND 5A

PROJECT:  
LAKE HAVASU CITY, ARIZONA

DESIGNED BY: CCK  
DRAWN BY: RAW  
CHECKED BY: JUC

RE-BID SET

AS-BUILT

CHECKED BY:  
CHRIS RICKARD INSPECTOR  
DATE 7/5/17

EXPIRES 3-31-2013

PROJECT NO.  
WT7040 & WT7050

DWG NO.  
C-3  
8 OF 50