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**ADDENDUM NO. 1**

Date: August 27, 2018  
Project: **Secondary Treatment Plant Upgrade & Recycled Water Expansion**  
Job No.: 12600-07/16650-02

To: All Planholders and Prospective Bidders

This addendum consists of **one hundred thirteen (113) pages** including this page and all attachments with cover sheets broken down as follows:

- Main Addendum #1 Document (including cover, signature page, and this sheet) – 14 pages
- Attachment A – 4 pages (including cover sheet)
- Attachment B – 70 pages (including cover sheet)
- Attachment C – 11 pages (including cover sheet)
- Attachment D – 9 pages (including cover sheet)
- Attachment E – 3 pages (including cover sheet)
- Attachment F – 2 pages (including cover sheet)

Acknowledge receipt of this addendum in the space provided on page 2-5, Proposal Cover Page and Bid Schedule, of the Bid Forms, and by signing in the space provided below. Submit original copy of this addendum cover page along with the bid. Failure to do so may disqualify the bidder.

Las Gallinas Valley Sanitary District: Bidder: \_\_\_\_\_

Michael P. Cortez, PE, District Engineer  
Tel. No. (415) 472-1033, ext. 18

\_\_\_\_\_  
(Authorized Signature)

\_\_\_\_\_  
(Date)

The following changes and/or clarifications are hereby made to the Contract Documents, and shall become a part of the Contract Documents dated July 2018.

**General Information:**

1. For the convenience of bidders and plan holders, the District will post the preliminary pre-bid construction schedule to aid with the bidding and planning process. These files are available to download from the District's website.

In addition, other Reference Material has been requested and will be posted to the same location as soon as it is available, including spreadsheet copies of the tables from Volume 4B (refer to the comments for Volume 4B for additional details) and CAD files of the site grading with existing and proposed contours. Please note that this document and any other future Reference Material or Information is for reference purposes only and is subject to the following conditions:

- a) Additional Information may include, but not be limited to, CAD and BIM files, geotechnical information, prebid construction schedule, and other Reference Material used by the Design Engineer and/or District in preparing the Contract Documents. The Additional Information, and/or Reference Material, is provided solely as a convenience and shall NOT be considered "Bid Documents", "Contract Documents", "Construction Documents", or any type of contractual document.
- b) The Additional Information, and/or Reference Material, may not be used in lieu of obtaining information by other means required, such as by site reconnaissance or physical or aerial survey or other procedures or sources. Any conclusions or information obtained or derived from the Additional Information and/or Reference Material will be at user's sole risk. By providing information in this format, District and Design Engineer make no representations, whether express or implied, whether user's means, methods, techniques, sequences, or procedures are adequate, appropriate, or approved, and whether the use of the information obtained or derived from the Additional Information and/or Reference Material, is appropriate for such use.
- c) To the maximum extent permitted by law, District and Design Engineer disclaim any and all liability, claims, or loss of any kind that may relate or be attributable to Bidder's reliance on the Additional Information or Reference Material. In addition, Bidder agrees to the fullest extent permitted by law, to indemnify, defend, and hold the Design Engineer, and District harmless from any damage, liability, cost, or loss, including, but not limited to, attorney's fees and cost of defense, arising from the use or re-use of the Additional Information and/or Reference Material by Bidder or anyone who has gained access to the Additional Information and/or Reference Material from Bidder.
- d) Bidder shall promptly report to District any apparent inconsistencies between the Additional Information and/or Reference Material, and the Contract Documents or Bid Documents.
- e) The prebid construction schedule was developed solely for the use of the District to provide an estimate of total contract time needed to complete the total work. The schedule was not prepared in sufficient detail to meet the requirements of DIVISION 1 (of volume 3A) regarding scheduling and project progress. The District and the Design Engineer assume

no responsibility whatsoever with respect to the sufficiency or accuracy of the prebid construction schedule, and no compensation or time extension shall be granted as a result of its availability to bidders. Using or relying upon any part or all of the prebid construction schedule is done at the Contractor's own risk and cost.

- f) The Additional Information and/or Reference Material be retrieved electronically from the District's project website (the same location where other bidding material is available). In accepting or using any of the Additional Information and/or Reference Material generated or provided by Design Engineer and District, Bidder agrees that Design Engineer and/or District shall be deemed the authors of the Additional Information and/or Reference Materials and shall retain all common law, statutory law, and other rights, including copyrights for same. Bidder further agrees not to sue the Additional Information and/or Reference Material, in whole or in part, for any purpose or project other than the project for which the Additional Information and/or Reference Material was prepared.
2. For reference, American Iron and Steel (AIS) requirements are not in effect for this project.
  3. The sign in sheet from the August 21, 2018 site walkthrough is provided as an attachment to this addendum for reference.

**Volumes 1 & 2:**

1. Bids are now due at **2:00 PM** local time on 9/27/2018 rather than 11:00 AM as indicated in paragraph 2 of the Instructions to Bidders in Volume 1.
2. Bid Schedule (Volume 2):
  - a) To facilitate the final price escalation in January 2019, suppliers of Owner Selected equipment were contacted and asked to adjust the price based on the latest available Index associated with their equipment. This provides an updated price, reducing the change between bid-opening and the issuance of the PO as well as ensuring that all parties are in agreement regarding the precise index and method for calculating price escalation. Accordingly, the following adjustments are made for Owner Selected Equipment Bid Items:
    - i. **Bid Item #16.a** - Hybrid FFAS by H<sub>2</sub>O Innovations USA:  
Updated Net Amount Remaining valid as of **July 2018\*** is: **\$2,152,746.66**  
(\*Index value is listed as preliminary in the reference material and has not been finalized by the governing agency)
    - ii. **Bid Item #16.b** – Eductor Tube Mixers by JDV Equipment Corporation:  
**No price escalation is anticipated** (as currently stated in Section 151100).
    - iii. **Bid Item #16.c** - After additional correspondence with the supplier (Ovivo), the cost basis for Bid Item #16.c valid as of July 23, 2018 as noted in the Bid Schedule is incorrect. The updated reference price for **July 23, 2018** is **\$370,464** as currently

detailed in Section 151100 (Owner Selected Equipment). Page 2-19 of Volume 2 (Bid Schedule) has been revised to account for this updated price.

- iv. **Bid Item #16.d** – GE Pressure Membranes:  
Updated Net Amount Remaining valid as of **July 2018** is: **\$1,606,086.26**
- v. **Bid Item #16.e** – While no price escalation is anticipated for this equipment, due to the supplier’s error in calculating applicable sales tax for Bid Item #16.e (Owner Selected Equipment – Mechanical Thickeners), page 2-20 of Volume 2 (Bid Schedule) has been revised to include the updated total cost for Item #16.e. **The updated Bid Schedule page is included as an attachment to this addendum.** Note that the associated table in Section 151100 has also been updated accordingly as described below.
- vi. **Bid Item #A.3 (Bid Alternate Item)** – Suez UV Equipment Package:  
Updated Net Amount Remaining valid as of **June 2018** is: **\$509,485.03**

**Revised pages of the impacted bid schedule sheets are provided as an attachment to this addendum.**

### **Volume 3A**

- 1. **Volume 3 Appendix.** A “Pre-Demolition Asbestos and Lead Survey Report” was conducted and the results furnished as a report to the District on August 3, 2018. This report contains findings regarding asbestos and lead-containing materials associated with the demolition and upgrade work for this project. A summary of the findings has been added to Section 024100 (as described below in this addendum), and the complete report is hereby added as Appendix B to the Volume 3 Appendix. **A copy of the report is also provided as an attachment to this addendum for reference.**
- 2. **Section 011000 – Summary of Work:**
  - a) For reference, item p of paragraph 1.5.B.1 (Phase 1 Summary) for the Recycled Water Distribution Pump Station Modifications involves replacing the existing distribution pumps and will commence in Phase 1 but might not be completed until the beginning of Phase 2. The phasing drawings (general sheets) indicate this work being completed in Phase 2 (see sheet G-24 of Volume 4A).
  - b) In paragraph 1.5.B.2 (Phase 2 Summary):
    - Item f.2 should reference removal Item #4 rather than Item #11 (in reference to the demolition schedule listed on Sheet G-23 of Volume 4A).
    - Item f.8 the removal of the 30” SC influent line should be removal Item #1 (not #26) and the secondary biofilter recycle line removal should be Item #8 (not #15) as referenced on sheet G-23 of Volume 4A.
  - c) In paragraph 1.5.B.3 (Phase 3 Summary):
    - Item a.3 should reference removal Item #4 rather than Item #24 (in reference to the demolition schedule listed on Sheet G-25 of Volume 4A).

Item a.6 - removal of effluent water pumps (at CCC box) and pneumatic tank should be listed as part of Phase 2 (in paragraph 1.5.B.2 section f) and not as part of Phase 3.

3. **Section 024100 – Demolition, Salvage, and Reconstruction.** This section has been updated to include the results from a recent hazardous materials survey as it pertains to the construction activity associated with this project. Multiple structures that are to be removed or impacted during this project have been identified as containing asbestos or lead materials. As noted in the revised section, the Contractor is responsible to properly contain, handle, remove, and dispose of hazardous materials in accordance with local and state requirements including Cal-OSHA requirements for asbestos and lead.

**A revised version of this section is included as an attachment to this addendum.** Note that updated text is shown in red colored font to facilitate identifying the changes and new language.

4. **Section 151100 – Owner Selected Equipment**

- a) To clarify regarding index-linked price escalation and Owner selected equipment, more detail for certain indices is provided as follows:
- i. 1.3.A – **Hybrid FFAS** By H<sub>2</sub>O Innovations USA (Item 16.a in the Bid Schedule) – The specific Products Produced Price Index (PPI) that will be utilized is the **Metals and Metal Products PPI**. The cost table has been updated in this section to reflect the price escalation through July 2018.
  - ii. 1.3.C – **Secondary Clarifier Mechanisms** by Ovivo USA, LLC (Bid Item # 16.c in the Bid Schedule) – The specific indices and amounts to be utilized for price escalation purposes are further detailed as follows:
    - ATI Metals surcharge index for **Stainless Steel (316 SS)** at 9,182 pounds estimated weight.
    - North American Composite Carbon Steel for **A36 Carbon Steel** at 39,621 pounds estimated weight.
  - iii. 1.3.D – **UV Disinfection System** by Suez Treatment Solutions, Inc. (Bid Item #A.3 in the Bid Schedule) – The specific PPI commodity code index is already listed in Section 151100. The cost table has been updated in this section to reflect the price escalation through June 2018.
  - iv. 1.3.E – **RWTF Pressure Membrane Filter Expansion Package** by GE/Suez (Bid Item #16.d in the Bid Schedule) – The specified Consumer Price Index (CPI) is specifically they **CPI-U (for Urban Consumers)** as provided by the U.S. Department of Labor Bureau of Labor Statistics. The cost table has been updated in this section to reflect the price escalation through July 2018.

- b) Due to the supplier's error in calculating sales tax for Bid Item #16.e (Owner Selected Equipment – Mechanical Thickeners) as discussed above in Volume 2, the "Summary of Contract Price" table for the mechanical thickeners provided in paragraph 1.3.F is has been updated.

**A revised version of Section 151100 – Owner Selected Equipment is provided as an attachment to this addendum.** The revised version includes the updated cost tables as described herein.

## **Volume 3B**

### **1. Section 312000 – Earth Moving**

For clarification, the results of the Miller Pacific report (see Section 319000) regarding stockpile material onsite have been reviewed with the Geotechnical engineer. Per the report, material from areas where composite samples #2 and #3 were taken are reasonably close to requirements for certain type of site backfill material. Accordingly, stockpile material from areas near these sample locations may be used for the following applications:

- a) Backfill beneath and adjacent to caisson-pier foundation structures (e.g. anoxic/aeration basins, electrical building, and UV building).
- b) Subgrade for roadways (**excluding** the 12" of road base required directly beneath the paved surface).
- c) Raising grade on site that is not otherwise beneath roadways, structures, or other improvements.
- d) In any application, the material must still meet the minimum density, moisture content, and compaction requirements as noted in this section for each application and its installation is subject to the same inspection and approval as required for any material.

This stockpile material is **not** approved for the following applications:

- a) Structural backfill beneath structures/slabs that are not on caisson/pier foundation structures (e.g. slabs on grades, shallow foundations, etc.).
- b) Road base beneath pavement.

**Note that stockpile material from the area near composite sample 1 (refer to report in Section 319000) has a much higher plasticity index (49%) and may only be used to raise grade on site that is not beneath structures, roadways, or other improvements. In addition, this material should only be utilized if other sources of available backfill material have already been utilized (e.g. over excavation material, crushed rock, other stockpile material, etc.). This higher plasticity material appears to represent roughly 1/3 of the stockpile material.**

### **2. Section 319000 – Geotechnical Reports**

The first report provided in the section, by DAC Associated, Inc., was a draft version and has undergone some minor edits. The changes do not appear to impact the scope, intent, or

recommendations outlined in the report but address issues with clarity, consistency, and grammar. The following list summarizes the changes that were made:

- a) Page 2 – table of contents page numbers are corrected.
- b) Page 4 – minor edits and corrections to grammar and punctuation.
- c) Page 5 – line spacing/formatting issue has been corrected.
- d) Page 7 – added “2018” to list of previous work in the final paragraph of the “PREVIOUS WORK” section.
- e) Page 8 - minor edits and corrections to grammar and punctuation.
- f) Page 10 – Corrected the number of borings from 7 to 10 in the first paragraph of the “Bedrock Surface Contours and Outcrop Pattern” section.
- g) Page 11 - minor edits and corrections to grammar and punctuation.
- h) Page 12 –Language has been updated for better clarity and detail. The first two paragraphs of this page are updated as follows:
  - i. “However, the surcharge typically consisted of a 3-foot layer of fill over the peripheral access road starting from the entrance to the treatment facility and ending just southeast of the overflow parking area. In addition, surcharging was performed within the area currently accommodating the filtered water storage facility. No surcharging was documented to the south, where the proposed new secondary clarifier #1, @1, as well as where the aeration and anoxic basins will be constructed.
  - ii. Therefore, we anticipate considerable total and differential settlements as a result of raising grades by about 5 feet, especially south of the 1982 surcharge program . The anticipated magnitude of bay mud settlement under 5 feet of fill ranges from 6 to 18 inches.”
- i) Page 13 – Line spacing has been updated for consistency. The final sentence of the last paragraph on the page (second paragraph of the “Surcharging” section) is updated as follows:
  - i. “The final grades would then be underlain by less-compressible materials.”
- j) Page 14 - minor edits and corrections to grammar and punctuation.
- k) Figure 6: “Report Date” on figures is updated to the correct revision date of July 2018.
- l) Appendix A: “Report Date” on boring logs is updated to the correct revision date of July 2018.
- m) Appendix B: Page numbers are corrected to begin with page “B-1” rather than “B-2”. The “Report Date” on these pages is updated to the correct revision date of July 2018.

These changes will be issued with the conformed set for construction but are noted here for reference.

## Volume 4A

1. **Sheets MMD-4 & MMD-6:** Note 10 on each of these sheets should read “ASSOCIATED W/ PHASE 1” rather than Phase 2.

**2. Sheet C-2:**

- a) Note that the sludge thickener pad (point numbers 35 and 36) will be a new concrete pad as shown in the mechanical thickening drawings (sheet MTS-1 of Volume 4A) replacing the existing concrete pad currently in place. These points are marked as “existing” in the horizontal control schedule as they reference the coordinate of the existing pad, but this pad is to be removed and replaced per sheet MTS-1.
- b) The meter vault corners (points # 29 and #30) are updated to the following coordinates:

PNT	Northing	Easting
29	2201866.64	5980430.25
30	2201870.81	5980448.21

This matches the detail shown on sheet C-16, where the pipe is not centered in the meter vault. The updated meter vault position will be corrected on all applicable sheets in the conformed set.

**3. Sheet C-4:**

- a) Catch Basin #6 (noted CB#6) is a new catch basin and is not replacing an existing catch basin. Accordingly, the note to “Match EX Rim” for this catch basin is removed.
- b) Note that there are two (2) risers shown on this sheet that are not identified by specific callouts. One is located on the south end of the CCC basin between the CCC Weir box and the generator pad. The second riser is just south of the proposed dechlorination dosing facility.

**4. Sheet C-5:**

- a) The “Site Grading Legend” item “New Permeable Sidewalk” should read “New Pervious Concrete” to match sheet C-4 and the associated detail/callouts.
- b) The retaining wall callouts (item 8-1 and 8-3) should reference two different details. The retaining wall along the public road (8-1) should reference sheet C-43; the retaining wall extension around the digester supernatant pump station (8-3) should reference sheet C-41.

**5. Sheets C-4 and C-5:**

- a) Note #5 (Asphalt paving over base course) is updated to require a minimum of 3” thick asphalt paving over the base course. In other words, all asphalt paving at the site is anticipated to have a minimum thickness of 3-inches.
- b) Note #11 (Type A curb) should reference Detail #116 on sheet CD-3.
- c) The hatching for the new pervious concrete between primary clarifiers #2 and #3 should be dark (to match the legend for new) rather than lighter hatch for existing. Note #6 is already provided in this area indicating new pervious concrete is required.
- d) Lengths for the slide gates indicated on sheets C-4 and C-5 (item #16 in the legend) are intended to match their associated roadways but are not specifically called out in the drawings. For reference, the slide gate located between the north end of the anoxic/aeration basin structure and the bid-alternate UV building is 30-feet long. The slide gate towards the north end of the plant, near the proposed dechlorination dosing facility is 21-feet long.



Note that at the contractor’s discretion, one of the sliding gates to be removed (near the RWTF membrane building and hypochlorite facility) is 22-feet long and could potentially be reused for the 21-foot long gate mentioned above. The gate would need to be removed and reinstalled in good condition in order to be acceptable to Owner.

**6. Sheet C-6:**

- a) Pipes #118, #119, #120, and #124 should be HDPE **SDR 17** rather than SDR 26.

**7. Sheet C-7:**

- a) In the second sentence of Note 1 located at the bottom left corner of the drawing, the phrase should read “due **to** seasonal changes” rather than “due it seasonal changes.”
- b) The new storm drain line located in the upper left corner of the site (near primary clarifier #1) is 12-inch DWV SDR 35.
- c) The manhole table (upper right corner) is updated as follows to match the rim elevations with the grading plan and final yard piping plan. Revised items in the table are highlighted with bold red text:

MANHOLE NO.	TYPE	RIM ELEV	DIAMETER	PIPE CONNECTIONS								
				SIZE	INVERT	ANGLE	SIZE	INVERT	ANGLE	SIZE	INVERT	ANGLE
1	DOGHOUSE	<b>13.55</b>	48"	6"	5.19	S	6"	5.17	NE	6"	<b>7.70</b>	W
2*	DOGHOUSE	<b>14.50</b>	48"	6"	4.93	S	6"	4.91	N	--	--	--
3	DOGHOUSE	<b>13.63</b>	48"	6"	3.20	SW	6"	3.18	N	<b>6"</b>	<b>8.30</b>	<b>E</b>

- 8. **Sheet C-11:** The tag for the analyzer referenced in Note 1 should be **43-ME-1640** rather than 52-ME-1250; the 52-ME tag references an analyzer to be installed in the RWTF membrane building.

**9. Sheet C-12:**

- a) A 1-inch potable water line (Pipe #107) is required for the emergency eyewash showers associated with the Dechlorination Dosing Facility. This 1” line will originate from the new 2.5” potable water main to be installed adjacent to the dechlorination facility and will require approximately 35-feet of 1” HDPE per yard piping schedule pipe #107. This additional line will be shown in the conformed set for construction.
- b) Note that the “GENERATOR” leader should point to the generator pad at the south end of the electrical building rather than the access road.

- 10. **Sheet C-17:** The opening for the 6” air vent shown on the plank & guardrail plan of the meter vault is not required and removed from the project.

- 11. **Sheet C-18:** The yard piping identifier for Pipe #100 near the generator pad should point to the new 18” line to the left of the tag. Note this is the same Pipe #100 as indicated on other yard piping plan sheets.

- 12. **Sheet C-24:** Pipe Connection Detail 4 on this sheet is not referenced on sheet C-8 and is no longer used.

13. **Sheet C-25:** The “Note 1” referenced in detail 14 on this sheet is missing and should read “Coat, line, and protect all WS pipe in accordance with technical specifications.” In addition, valve **51-V-1130** as identified in this detail is missing from the valve schedule and is here by added to the valve schedule as follows:

Tag: 51-V-1130; Location: Yard Piping; Service: MMWD Clearwell Bypass;  
Type: Butterfly; Size: 18”; Materials SS; Connection: FLxFL; Actuator: NUT;  
Remarks: Dezurik Butterfly Valve Model 18-F1-S2 for Buried Service w/ Valve  
Box, Nut, and Stem.

The valve will be included with the valve schedule in the conformed set.

14. **Sheet C-26:**

- a) For pipe connection detail 21 on this sheet, the existing 12” sewer main may be steel pipe or HDPE (there are conflicting records). The current detail assumes HDPE but this may not be the case. As with all existing pipes and utilities, contractor is to verify and confirm actual conditions.
- b) The strut support called out on connection detail 23 on this sheet should reference “similar to” detail 543/MD-7 rather than repeating the air/vac valve mechanical detail.

15. **Sheet AS-8:** This sheet (namely Section ‘G’) has been revised to correctly show the relationship of the grade beams and floor slabs relative to the channel structure. This section now matches the design intent and the dimensions/configuration shown in the related sections J & K on sheet AS-9. **A revised version of sheet AS-8 is provided as an attachment to this addendum.**

16. **Sheet UVS-1:** The finished floor “FF” callout of 21.52 on the raised exterior and UV channel wall on this sheet is errant is hereby removed. Note that the top elevation of this wall is 19.85 as indicated in multiple sections.

17. **Sheet UVS-9:** In Section ‘C’, the “FF” elevation callout for the UV basin channel floor of 14.52 is errant and should be removed. All elevations are as dimensioned from the TOW elevation of 19.85 as indicated in this section.

## **Volume 4B**

1. **Correction on the total number of sheets:** Per the drawing index (sheet GI-02), volume 4B has a total of 158 sheets. The sheet number tabulation in the bottom right corner of each sheet incorrectly stats “ of 159.” Each sheet should read “of 158”; **this will be corrected in the conformed construction set.**
2. For convenience, the tables associated with sheets E-20 thru E-35, E-44, and E-45 have been uploaded in Excel format and is available at the District’s website for download. These tables are for the Bidder’s reference and convenience only and do not supersede or replace the complete information provided in Volume 4B.

**Questions:**

The following questions were submitted on 08/22/2018; questions that were not able to be addressed in time for this addendum will be addressed in future addenda.

1. The bid submittal time was changed on the previous bid to standard bid submittal time of 2 PM. Will the District consider changing the bid submittal time to 2 PM.

**Bid time has been updated as discussed above.**

2. Please clarify the need for prequalified primes to submit qualification information with the bid. All 9 prequalified firms have submitted extensive prequalification packages in order to be allowed to bid this project.

**It is not necessary for pre-qualified general contractors and electrical subcontractors to resubmit this information. However, pre-qualified parties must submit the pre-qualification confirmation page as was distributed in June 2018.**

3. Confirm what gridlines border the Primary Pump Station. Sheet PSS-3 identifies GL 11 and 12, and AS-2 uses GL 9 and 10; which one is correct?

**The gridline numbers are GL9 and 10.**

4. Drawing AS-3 does not appear to indicate any construction joints in the Aeration Basin floor slab. Please confirm.

**Under review, additional clarification to be released in a future addendum.**

5. Drawing AS-3 has notations on the drawing: TYPE "A", TYPE "B", TYPE "C" without any reference to what they mean. Please clarify.

**Under review, additional clarification to be released in a future addendum.**

6. Drawings AS-5 and AS-6 do not appear to indicate any wall construction joints. Please confirm.

**Under review, additional clarification to be released in a future addendum.**

7. Drawing AS-2 indicates an East-West grade beam at centerline "D". On Drawing AS-5 the median wall along this same centerline, between the Anoxic and Aeration Basins, appears to be in conflict with the grade beam at the step. Is this median wall to be constructed on top of the lower slab, El 4.00, on top of the upper slab, El 9.50, or encased by the grade beam step? Section "E" AS-5 appears to indicate constructing on top on the slab @ El 9.50.

**As shown in sections A and E on sheet AS-5, the reinforcement associated with the wall is to continue into and through the grade beam. This could be considered the wall being constructed to the lower FF (FF elevation of 4.00) and encased in the grade beam.**

8. Drawing AS-2 implies the grade beams from the Aeration Basin through the Effluent Channel remain at a constant elevation. Drawing AS-3, Sections A/B/C, all indicate the top of grade beam elevation to be 9.50 in the Aeration Basin. Drawing AS-8 indicates the top of the grade beam at elevation 14.0. Is there a transition detail missing for the grade beams transitioning from elevation 9.5 to 14.0 and back down to 9.5 as it moves across the channel? Is there a conflict between Section J & K/AS-9 and Section G/ AS-8?  
**The grade beams from the aeration basin into the effluent channel should remain at the same elevation as shown in Sections J and K on sheet AS-9. As discussed above, a revised version of Sheet AS-8 (with section G) is provided with this addendum.**
  
9. Drawing AS-12, Section S, confirm the walkway width is 5'-0" wide in the area of the Anoxic Basin as the wall thickness is 2'-0". Confirm the walkway width is 4'-4" wide in the area of the Aeration Basin as the wall thickness is 1'-4". This will keep the outside edge of the walkway constant.  
**Correct, the design intent is for the outside edge of the walkway to remain constant. Sheets AS-1 and AS-4 show that the outside edge remains constant while the inside edge changes to account for the different wall thicknesses.**
  
10. Drawing UVS-1, Note 1, indicates to Place Control and Construction Joints as Shown on Plans. None appear to be indicated in the concrete work, except at wall to floor connections. Are these the only ones required? We are not supposed to add or take away any throughout the project.  
**Under review, additional clarification to be released in a future addendum.**
  
11. Drawing UVS-1 indicates a FF ELEV 21.52 just to the left of caisson T1. Sections on UVS-7,-9,-10 all indicate the elevation to be 19.52. Which is correct?  
**This is addressed above in the comments for Volume 4A.**
  
12. Drawing UVS-9 indicates, Section C, indicates a sub floor elevation of 14.52, just left of the "steps". A dimension in the left side pit indicates a 7'-0" drop from the top of grating to the top of the sub floor. With a top of grating elevation of 19.52, this would make the sub floor 12.52, not 14.52. Which is correct?  
**This is addressed above in the comments for Volume 4A.**
  
13. Drawing UVS-9, if the channel invert in the question above is confirmed to be at elevation 12.52, can the top of floor elevation in Section D for the Cleaning Tank be poured at 12.52 also? The current elevation is 12.85.  
**The 6'-8" depth for the tank (as shown in Section D) references the actual height of the tank insert that will be furnished with the UV equipment package. The recommended installation drawings from the supplier show an additional concrete lip of 6" to 10" above the top of this tank. Installing the tank bottom at the same elevation as the adjacent channel floor would provide a concrete edge 4" above the top of the tank which is acceptable.**

14. Drawing EBS-1, Note 10, indicates the contractor shall place control joints per detail 347/SD-8 so as to limit cracking. EBS-2, Note 4, says to pour the slab monolithically. Specification section 032900 3.3.C.1 says to make control joints at locations shown on the Drawings. Do not eliminate or relocate control joints. As none are shown, none will be added. This shall be the case for all joint types on all structures. Please add to all structures so they can be included in the bid cost.

**Under review, additional clarification to be released in a future addendum.**

15. Drawing RPM-1 indicates to “Extend/ Modify Existing Pad to Accommodate New Pump as Required (Typ)”. I do not see in the RPM drawings, any details of the existing pads. Please provide. Also, provide details on what are acceptable extension/ modification options.

**Pads will need to be modified based on the actual contractor-furnished pumps. Installation drawings of the existing pads are currently not available, however the Contractor may visit the site and measure/inspect the pads if desired. As with any existing improvement, contractor is to field verify dimensions and locations.**

16. Drawing LE-01 indicates new electrical panels in the refurbished MCC-3 Building. Do any/ all have to be placed on housekeeping pads? If so, provide details.

**New panels to be installed in MCC-3 do not require new housekeeping pads as this may be difficult/impractical to implement.**

17. Drawing LE-02 indicates two boxes outside the building for the SES and ATS. Do any/ either have to be placed on housekeeping pads? If so, provide details.

**Yes, this equipment requires standard housekeeping pads as shown in detail 610 on sheet GE-07.**

18. Drawing LE-04 indicates “Cable Trays” along the West/ Center/ East walls. Drawing AS-4 only indicates a Cable Tray down the center wall. Provide details if the West and East walkway walls are to have cable trays also on AS-4.

**Only the center wall has imbedded cable tray at the top of the wall (see sheet AS-4). Cable tray along the exterior walls will be wall-mounted beneath the cantilevered concrete walkways as shown in details 920, 922, and 926 (for 16/JB-31-1000 and JB-31-4000) on sheet GE-06.**

19. Drawing LE-14 indicates VFD’s and other units. Do any/ all have to be placed on housekeeping pads? If so, provide details.

**Yes, this equipment requires standard housekeeping pads as shown in detail 610 on sheet GE-07.**

20. Drawings C-4 and C-5 indicate locations for Gauntlet Slide Gates, Note 16. These drawings and Drawings CD-7 does not appear to provide details on the actual width of the

slide gate required. Please provide. Also, this width will determine how much track length is needed to fully open the gates.

**Discussed above with the items for sheet C-4/C-5.**

21. Drawing C-5 indicates a retaining wall is to be built around the Digestate Pump Station, between the two new clarifiers. Note 8 refers to a detail on Sheet C-43. This detail is a profile for Retaining Wall #1. The elevations around the DPS do not support the use of the detail on C-43. Are you sure this is the one to use for the DPS? Drawing C-41 indicates the use of Slump stone block. Which is correct?

**Discussed above with the items for sheet C-5.**

22. Secondary Clarifiers #1 and #2 are to be built in two different phases, with #2 constructed first. Drawing C-13 indicates a lot of underground piping running between Aeration Basins and SC #2. CS #1 will require shoring to be used to protect piping in place, but there may not be enough room to install this shoring. Will you reconfigure this piping to make the project constructible?

**The site has very limited space and this project requires special consideration to accommodate limited space and site access issues. This area will be reviewed but at this point we do not anticipate any significant changes to the current design or layout. Any updates or changes will be provided in a future addendum.**

23. Drawing D-10 indicates rock media can be crushed on site and re-used as backfill. What type of rock is it so a crusher can determine how difficult it will be to crush?

**The 25 page report by the Miller Pacific Engineering Group includes a description and recommendations for the biofilter rock media – this report is already included as the second report in Section 319000 - Geotechnical Report of Volume 3B. The Contractor may schedule a site visit to inspect the rock media if desired.**

#### **END OF QUESTIONS SECTION FOR ADDENDUM #1**

#### **LIST OF ATTACHMENTS**

- Attachment A:** Volume 2 Page 2-20 (revised pages of the bid schedule)  
**Attachment B:** Pre-Demolition Asbestos and Lead Survey Report (Appendix B of Volume 3)  
**Attachment C:** Revised version of Section 024100 – Demolition, Salvage, and Reconstruction  
**Attachment D:** Revised version of Section 151100 – Owner Selected Equipment  
**Attachment E:** Sign in sheet from August 21<sup>st</sup> site walkthrough  
**Attachment F:** Revised drawing sheets from Volume 4A; total of one (1) sheet:  
Sheet AS-8

#### **END OF ADDENDUM #1**

See following Sheets for Attachments

Addendum No. 1  
Secondary Treatment Plant Upgrade and Recycled Water Expansion  
Aug. 27, 2018

## **Attachment A**

### **Volume 2 – Revised Bid Schedule Sheets**

Addendum No. 1  
Secondary Treatment Plant Upgrade and Recycled Water Expansion  
Aug. 27, 2018

## **Attachment B**

### **Pre-Demolition Asbestos and Lead Survey Report (Appendix B of Volume 3)**



## **Attachment C**

### **Revised Section 024100 of Volume 3A (Demolition, Salvage, and Reconstruction)**

## **Attachment D**

### **Revised Section 151100 of Volume 3A (Owner Selected Equipment)**

## **Attachment E**

### **Sign-in Sheet from the August 21, 2018 Site Walkthrough**

Addendum No. 1  
Secondary Treatment Plant Upgrade and Recycled Water Expansion  
Aug. 27, 2018

## **Attachment F**

### **Revised Design Drawings (From Volume 4A)**

**Sheet AS-8**