

ADDENDUM No. 2

Hayden Area Regional Sewer Board (HARSB)
HARSB Phase 2 Tertiary Treatment and Biosolids Project
Kootenai County, Idaho

August 13, 2021

Addendum No. 2 to the HARSB Phase 2 Tertiary Treatment and Biosolids Project Bidding Documents prepared by J-U-B Engineers, Inc., WesTech Engineering, and Aqua Engineering is hereby submitted for use in bid preparation and submittal. The following clarifications, corrections, or changes are hereby made as fully and completely as if the same were entirely set forth in the Bidding Documents, and shall become an integral part of any contract entered into between the Owner and Contractor for this project. The Engineers of Record (J-U-B Engineers, Inc; WesTech Engineering; and Aqua Engineering) issue Addendum updates matching the division of responsibilities identified in the Bidding Documents.

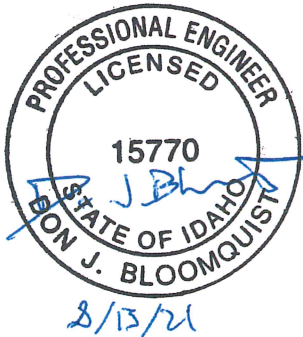
NOTICE is hereby given that this Addendum must be acknowledged on the Bid for HARSB Phase 2 Tertiary Treatment and Biosolids Project as evidence that the Bidder is familiar with all changes incorporated herein.

Addendum Issued by:

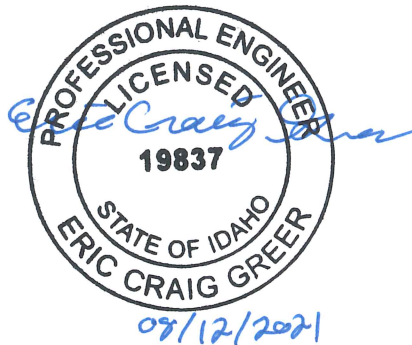
J-U-B Engineers, Inc.

WesTech Engineering

Aqua Engineering



Don Bloomquist, P.E.
Project Engineer



Eric Craig Greer, P.E.
Project Engineer



Justin R. Logan, P.E.
Project Engineer

GENERAL / CLARIFICATIONS

ULTRAFILTRATION BUILDING 3D MODEL:

At the Contractors' request, a 3-dimensional model of the UltraFiltration Building and CIP Building showing process equipment and interconnecting piping is **provided as a separate file accompanying this Addendum**. This model generally aligns with the information presented for these two structures in the Volume 5 Drawings. This model is not part of the Contract Documents and has been provided solely as a convenience for the Contractor in visualization of the project extents. While this model is generally believed to be reliable, the only documents the Contractor may legally rely upon are the Contract Documents.

QUESTIONS:

- On Westech sheet D40-003, it states the sludge pipe is by others. What is the pipe material here? Is it HDPE to match the pipeline or DI? Also is there a detail for how the pipe should penetrate the structure?
Response: The sludge pipe from the SCC is the "SCCS" pipe. This line is HDPE-P-2 (shown in Pipe Schedule, Volume 4/G00-013). The detail for the penetration into the structure is called out on Volume 4/S40-301.
- What is the pipe specification for the compressed air line?
Response: The Pipe specification for the compressed air lines in the Ultra Filtration Building (PA and IA) is PE100. This pipe material is specified in Section 15061.
- Is Westech furnishing and installing the sample sink on the Clarifier?
Response: Westech is furnishing the anchors and the sink, but the installation of both the anchors and the sink is by the Contractor.
- Drawing D82-401 Detail 6 in the AQUA drawings reference a potable water supply in the boiler room. How does this line connect to the PW system?
Response: The potable water supply comes from the Dewatering Building, then is routed thru the Solar Dryer over to the Boiler Room. Most of this routing is shown on Volume 6/M82-102.

CLARIFICATIONS:

- Substitute and "Or-Equal" Items will not be considered by Engineer until after the Effective Date of the Agreement, per Article 11 of the Instructions to Bidders

VOLUME 1 – BIDDING AND AGREEMENT FORMS

Document 00030 – ADVERTISEMENT FOR BIDS:

Revise the last paragraph on page 2, above the date and signature lines, to the following:

"Questions during bidding regarding the Solar Dryer, including the Volume 6 Drawings, Volume 9 information, and Specification Sections 14501, 14503, 15181, 15184, 15282, and 15851, should be directed to Boris Petkovic, P.E. at AQUA Engineering, 533 W 2600 South, Suite 275, Bountiful, UT 84010; phone (801) 683-3734; email boris.petkovic@aquaeeng.com. Questions regarding all other portions of the Contract Documents should be directed to Don Bloomquist, P.E. at J-U-B ENGINEERS, Inc. at 2760 W Excursion Lane, Suite 400, Meridian, ID 83642; phone (208) 376-7330; email dbloomquist@jub.com"

ISPWC 00520 - AGREEMENT:

Revise Paragraph 4.02.A as follows:

“4.02 Days to Achieve Substantial Completion and Final Payment

- A. The Work will be substantially completed within 410 calendar days after the date when the Contract Times commence to run as provided in Paragraph 2.03 of the General Conditions & SC-2.03, but in no case shall extend beyond December 31, 2022 whichever occurs sooner, and completed and ready for final payment in accordance with Paragraph 14.07 of the General Conditions within 30 calendar days after achieving Substantial Completion.”

Add the following to Article 6.02.A:

“Owner must receive approved Application for Payment (AFP) by the 2nd day of the Month following Engineer’s review period. Contractor shall schedule submission of their complete monthly AFP and supporting documentation accordingly to allow for review time by Engineer and Owner to meet Owner’s regularly scheduled monthly meetings for AFP approvals.”

ISPWC 00200 - INSTRUCTIONS TO BIDDERS:

Add the following as Article 19.04:

“19.04 Within 72-hours of the bid opening the Apparent Low Bidder (as identified at the Bid Opening) shall submit a preliminary schedule of values with breakout identifying costs related specifically as identified/delineated in the **two attached documents**: “02_REPLACEMENT EQUIPMENT LIST ITEMS” (2 pages) and “03_YARD PIPING CONSOLIDATED DRAWING with REPLACEMENT ITEMS” (1 page). This preliminary schedule of values for these replacement items shall be used by the OWNER for the purpose of evaluating the impact of the project costs relative to the OWNER’s available funding sources and associated restrictions, but shall not impact the evaluation of the determination of the low-bidder.”

Article 19.08.A. Delete paragraph A, and replace with the following:

- “A. Owner reserves the right to award none, or a combination of alternates, which will be determined after opening of bids with the intention to award as many alternates as possible in order of importance selected by HARSB and based on available budgets but shall not impact the evaluation of the determination of the low-bidder.”

SECTION 3 - SUPPLEMENTARY CONDITIONS (to the GENERAL CONDITIONS):

Revise Article 6.10.C as follows:

- “C. Owner shall pay applicable sales/use-taxes on Owner-Furnished Materials...”

VOLUME 2 – TECHNICAL SPECIFICATIONS (Divisions 1-15)

SECTION 01025 – MEASUREMENT AND PAYMENT

Revise Paragraph 1.5.G.1 as follows:

“...Application for Payment (AFP) by the 2nd day of ...”

SECTION 01625 – OWNER-FURNISHED EQUIPMENT AND MATERAILS COORDINATION AND INSTALLATION

Revise Paragraph 1.5.B as follows:

“B. The Owner shall pay all applicable sales/use-taxes for all Owner-Furnished items.”

SECTION 02060 – AGGREGATE MATERIALS

Add paragraph 1.3.J as follows:

“J. ASTM D2321 – Standard Practice for Underground Installation of Thermoplastic Pipe for Sewers and Other Gravity-Flow Applications”

Add Crushed Aggregate Type A10 to the chart in 2.4.A as shown below:

Sieve Size	Type A8 ¾ inch (ISPWC Type I, Section 802)	Type A9 2 inch (ISPWC Type II, Section 802)	Type A10 1-1/2 inch (ASTM D2321 Class I)
2-1/2 inches		100	
2 inches		90-100	
1-1/2 inches			100
1 inch	100	55-83	
¾ inch	90-100		
¾ inch			0-25
No.4	40-65	30-60	0-15
No. 8	30-50		
No. 30		10-25	
No. 200	3-9	0-8	0-12

SECTION 02320 – BACKFILLING AND COMPACTING FOR STRUCTURES

Replace Subsection 3.7 – Schedule of Allowable Materials and Placement Requirements with the **attached** Schedule “08_Add2- 02320 Schedule 3.7”, 1 page. Updates are shown in tracked changes.

SECTION 11000 – GENERAL REQUIREMENTS FOR EQUIPMENT

Replace Subsection 2.12.C with the following:

- “C. Anchor Bolts: Provide stainless steel bolts complying with ASTM A 320. Type 316 stainless steel shall be used for equipment in the following areas: Solids Contact Clarifier, the Sodium Hypochlorite & Sodium Hydroxide Storage & Pump Room within the Ultra Filtration Building (42-102), and within 3 feet of the finished floor elevation in the CIP Building. Either Type 316 or Type 304 stainless steel may be used for installations in other areas.”

SECTION 15060 – PIPE AND FITTINGS

Add subsection 4 under paragraph Stainless Steel Pipe Systems Bolting as follows:

- “4. All stainless steel bolts shall have never-seize lubricant applied to the threads.”

On the datasheets for both Gravity PVC Pipe types PVC-G-2 and PVC-G-3, revise the Fitting Material Std to the following: “ASTM D3034, SDR 26 Wall Thickness”

SECTION 15061 – UF SYSTEM PIPE AND FITTINGS

Add the following General Note:

- “6) Contractor shall use Never Seize on all stainless steel bolt threads”

SECTION 15100 – HYDRAULIC PROCESS VALVES

Add to the list of Acceptable Products for the Eccentric Plug Valve PV-1 valve type: “Val-Matic”

VOLUME 3 – TECHNICAL SPECIFICATIONS (Division 16)

No updates this addendum.

VOLUME 4 – PLANS (J-U-B Engineers, Inc)

DRAWING G00-013

In the Remarks column for each of the following pipe services/sizes/specs, add the text: “At Contractor’s option, DI-P-1 pipe spec with CM lining may also be used. All other requirements remain unchanged.”

- Overflow, ≥12”, PVC-P-2
- Potable Water, ≥4”, PVC-P-2
- Secondary Effluent, ALL, PVC-P-3
- Ultra Filtration Filtrate, <14”, PVC-P-2
- Ultra Filtration Filtrate, ≥14”, PVC-P-3
- Utility Water, ≥4”, PVC-P-2

In the Remarks column for each of the following pipe services/sizes/specs, add the text: “At Contractor’s option, DI-P-1 pipe spec with Epoxy lining may also be used. All other requirements remain unchanged.”

- Drainage Force Main, ALL, PVC-P-2
- Solids Contact Clarifier Effluent, ALL, PVC-P-3
- Tertiary Equalization Influent / Return, 4” – 12”, PVC-P-2
- Tertiary Equalization Influent / Return, 14” – 36”, PVC-P-3
- Waste Activated Sludge, ≥4”, PVC-P-2

DRAWING G00-015

Add new valve to the Valve schedule with details as listed below:

- Process Area: 88-PLANT DRAIN PUMP STA NO. 2
- Subprocess Description: 100-PUMPING
- Tag Number: 88-FM-HV-103
- Description: PLANT DRAIN PS 2 HEADWORKS ISOLATION VALVE
- Type: PV-1
- Size (in): 8” OR 10”
- Operator Type: BURIED
- Normal Position: NO
- Sheet Reference: CU00-110
- Notes: BASE BID – 8” DIAMETER; ADDITIVE ALTERNATE #4 – 10” DIAMETER

DRAWING CU00-001

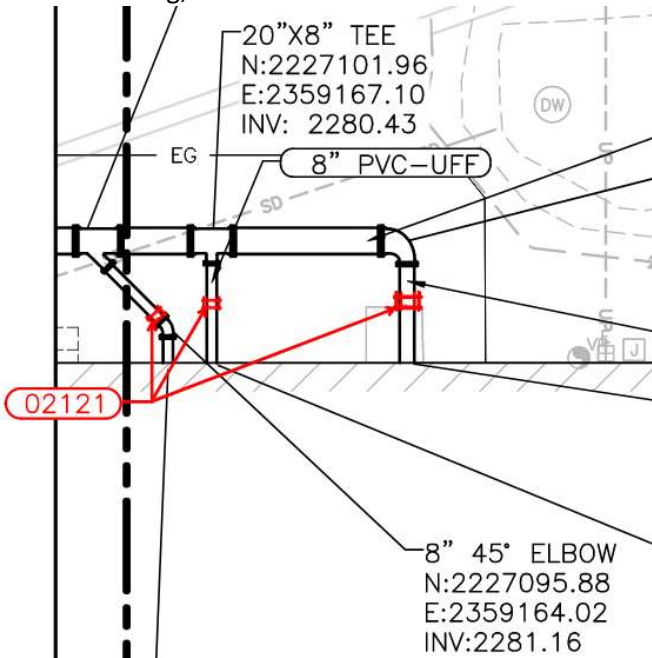
Add Notes 21 and 22 to the Yard Piping Notes as follows:

“21. At the Contractor’s option, a DI piping system with CM lining may be used in lieu of the following buried PVC piping systems called out on the plans: Overflow (OF), Potable Water (PW), Secondary Effluent (SE), Ultra Filtration Filtrate (UFF), Utility Water (UW). Refer to sheet G00-013.

22. At the Contractor’s option, a DI piping system with Epoxy lining may be used in lieu of the following buried PVC piping systems called out on the plans: Drainage Force Main (FM), Solids Contact Clarifier Effluent (SCCE), Tertiary Equalization Influent / Return (TEI / TER), Waste Activated Sludge (WAS). Refer to sheet G00-013.”

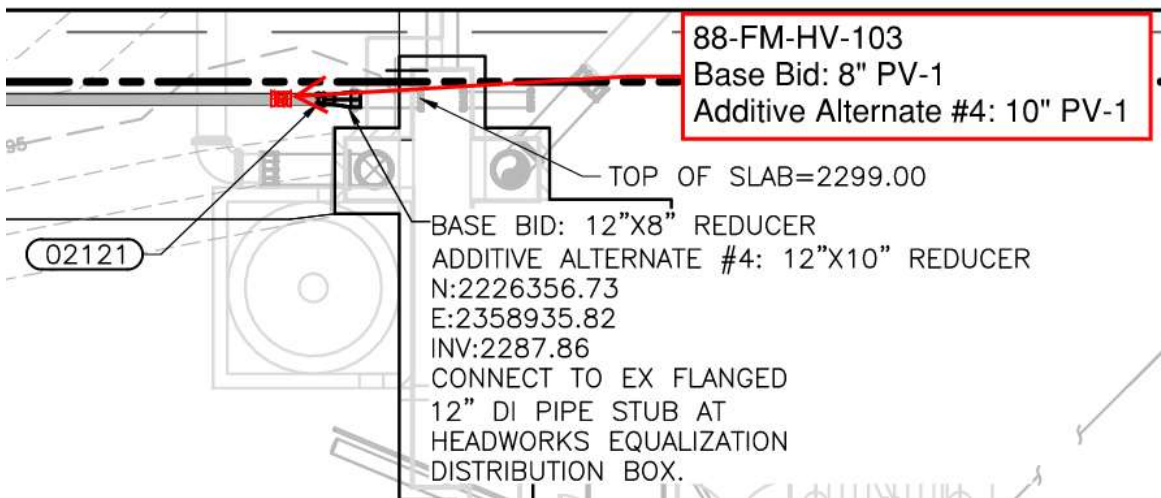
DRAWING CU00-101

Add pipe connection couplings per Standard Detail 02121 on each of the three UFF branches extending north of the CIP Building; see below:



DRAWING CU00-110

Add new valve 88-FM-HV-103 to the on the FM line to the west of the Headworks structure as shown below. Valve will be type PV-1 and will be 8" diameter for the base bid, but 10" diameter for Additive Alternate #4.



DRAWINGS S42-307, S42-308

Revise Note E3 to the following:

"Special Backfill and Compaction Required in vicinity of HDPE Tanks, Refer to Section 02320 and Volume 10."

DRAWINGS S80-101, S80-102 and S80-910

Delete Drawings S80-101, S80-102 and S80-910 (3 pages) dated 6/30/21 and replace them with Drawings S80-101, S80-102 and S80-910 dated 8/12/21, **attached**.

DRAWINGS A42-101 THROUGH A42-304

Delete Drawings A42-101 through A42-304 (8 pages) dated 6/15/21 and replace them with Drawings A42-101 through A42-304 dated 8/13/21, **attached**.

Attached sheets contain updated PEMB components to reflect the final ABC Plans for Approval/Permit Engineer Drawings received after issuance of above referenced bid drawings.

DRAWINGS A48-101 & A48-201

Delete Drawings A48-101 & A48-201 (2 pages) dated 6/15/21 and replace them with Drawings A48-101 & A48-201 dated 8/13/21, **attached**.

Attached sheets contain updated PEMB components to reflect the final ABC Plans for Approval/Permit Engineer Drawings received after issuance of above referenced bid drawings and revised owner modifications that are no long related to work to be provided in this project.

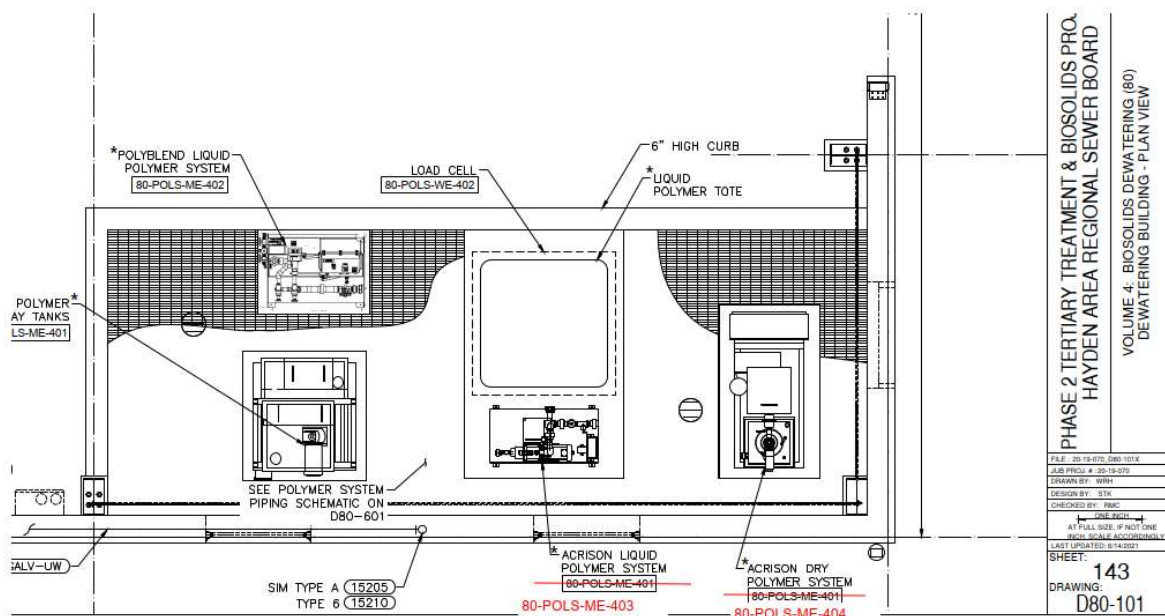
DRAWINGS A80-101 THROUGH A80-302

Delete Drawings A80-101 through A80-302 (5 pages) dated 6/15/21 and replace them with Drawings A80-101 through A80-302 dated 8/13/21, **attached**.

Attached sheets contain updated PEMB components to reflect the final ABC Plans for Approval/Permit Engineer Drawings received after issuance of above referenced bid drawings.

DRAWING D80-101, I80-701 and E80-101

- Revise all instances of the "Acrison Liquid Polymer System" equipment tag from 80-POLS-ME-401 to 80-POLS-ME-403
- Revise all instances of the "Acrison Dry Polymer System" equipment tag from 80-POLS-ME-401 to 80-POLS-ME-404
- See Markups Below for Reference:



DRAWING D88-502

On Detail 5, update access hatch standard detail callout to “05010” at both locations.

DRAWING E00-002

Delete Drawing E00-002 dated 06/30/2021 and replace it with Drawing E00-002 dated 08/13/2021, **attached**. Updates include: Revised Keynote 23 and removed layers from site background for enhanced clarity and readability.

DRAWING E00-003

Delete Drawing E00-003 dated 06/30/2021 and replace it with Drawing E00-003 dated 08/13/2021, **attached**. Updates include: Revised Keynotes 19 and 23 and removed layers from site background for enhanced clarity and readability.

DRAWING E00-004

Delete Drawing E00-004 dated 06/30/2021 and replace it with Drawing E00-004 dated 08/13/2021, **attached**. Updates Include: Removed layers from site background for enhanced clarity and readability.

DRAWING E00-005

Delete Drawing E00-005 dated 06/30/2021 and replace it with Drawing E00-005 dated 08/13/2021, **attached**. Updates Include: Removed layers from site background for enhanced clarity and readability.

DRAWING E00-006

Delete Drawing E00-006 dated 06/30/2021 and replace it with Drawing E00-006 dated 08/13/2021, **attached**. Updates Include: Removed layers from site background for enhanced clarity and readability.

DRAWING E00-007

Delete Drawing E00-007 dated 06/30/2021 and replace it with Drawing E00-007 dated 08/13/2021, **attached**. Updates Include: Removed layers from site background for enhanced clarity and readability.

DRAWING E00-008

Delete Drawing E00-008 dated 06/30/2021 and replace it with Drawing E00-008 dated 08/13/2021, **attached**. Updates Include: Removed layers from site background for enhanced clarity and readability.

DRAWING E00-009

Delete Drawing E00-009 dated 06/30/2021 and replace it with Drawing E00-009 dated 08/13/2021, **attached**. Updates Include: Revised conduit and wire tags and removed layers from site background for enhanced clarity and readability.

DRAWING E00-010

Delete Drawing E00-010 dated 06/30/2021 and replace it with Drawing E00-010 dated 08/13/2021, **attached**. Updates Include: Revised conduit and wire tags and removed layers from site background for enhanced clarity and readability.

DRAWING E00-011

Delete Drawing E00-011 dated 06/30/2021 and replace it with Drawing E00-011 dated 08/13/2021, **attached**. Updates Include: Removed layers from site background for enhanced clarity and readability.

DRAWING E00-012

Delete Drawing E00-012 dated 06/30/2021 and replace it with Drawing E00-012 dated 08/13/2021, **attached**.
Updates Include: Removed layers from site background for enhanced clarity and readability.

DRAWING E00-013

Delete Drawing E00-013 dated 06/30/2021 and replace it with Drawing E00-013 dated 08/13/2021, **attached**.
Updates Include: Removed layers from site background for enhanced clarity and readability.

DRAWING E00-014

Delete Drawing E00-014 dated 06/30/2021 and replace it with Drawing E00-014 dated 08/13/2021, **attached**.
Updates Include: Revised conduit and wire tags and removed layers from site background for enhanced clarity and readability.

DRAWING E00-015

Delete Drawing E00-015 dated 06/30/2021 and replace it with Drawing E00-015 dated 08/13/2021, **attached**.
Updates Include: Removed layers from site background for enhanced clarity and readability.

DRAWING E00-016

Delete Drawing E00-016 dated 06/30/2021 and replace it with Drawing E00-016 dated 08/13/2021, **attached**.
Updates Include: Revised conduit and wire tags and removed layers from site background for enhanced clarity and readability.

DRAWING E00-017

Delete Drawing E00-017 dated 06/30/2021 and replace it with Drawing E00-017 dated 08/13/2021, **attached**.
Updates Include: Removed layers from site background for enhanced clarity and readability.

DRAWING E00-018

Delete Drawing E00-018 dated 06/30/2021 and replace it with Drawing E00-018 dated 08/13/2021, **attached**.
Updates Include: Removed layers from site background for enhanced clarity and readability.

DRAWING E00-019

Delete Drawing E00-019 dated 06/30/2021 and replace it with Drawing E00-019 dated 08/13/2021, **attached**.
Updates Include: Removed layers from site background for enhanced clarity and readability.

DRAWING E00-024

Delete Drawing E00-024 dated 06/30/2021 and replace it with Drawing E00-024 dated 08/13/2021, **attached**.
Updates Include: Revised Panel Schedule PLV-DW1.

DRAWING E00-026

Delete Drawing E00-026 dated 06/30/2021 and replace it with Drawing E00-026 dated 08/13/2021, **attached**.
Updates Include: Revised conduit and wire schedules.

DRAWING E00-027

Delete Drawing E00-027 dated 06/30/2021 and replace it with Drawing E00-027 dated 08/13/2021, **attached**.
Updates Include: Revised conduit and wire schedules.

DRAWING E00-028

Delete Drawing E00-028 dated 06/30/2021 and replace it with Drawing E00-028 dated 08/13/2021, **attached**.

Updates Include: Revised conduit and wire schedules.

DRAWING E00-029

Delete Drawing E00-029 dated 06/30/2021 and replace it with Drawing E00-029 dated 08/13/2021, **attached**.
Updates Include: Revised conduit and wire schedules.

DRAWING E00-030

Delete Drawing E00-030 dated 06/30/2021 and replace it with Drawing E00-030 dated 08/13/2021, **attached**.
Updates Include: Revised conduit and wire schedules.

DRAWING E00-031

Delete Drawing E00-031 dated 06/30/2021 and replace it with Drawing E00-031 dated 08/13/2021, **attached**.
Updates Include: Revised conduit and wire schedules.

DRAWING E40-101

Delete Drawing E40-101 dated 06/30/2021 and replace it with Drawing E40-101 dated 08/13/2021, **attached**.
Updates Include: Revised conduit and wire tags.

DRAWING E42-401

Delete Drawing E42-401 dated 06/30/2021 and replace it with Drawing E42-401 dated 08/13/2021, **attached**.
Updates Include: Revised key notes on plans.

DRAWING E42-403

Delete Drawing E42-403 dated 06/30/2021 and replace it with Drawing E42-403 dated 08/13/2021, **attached**.
Updates Include: Revised Key Note 40, revised conduit and wire tags.

DRAWING E42-404

Delete Drawing E42-404 dated 06/30/2021 and replace it with Drawing E42-404 dated 08/13/2021, **attached**.
Updates Include: Added "EX-WL" light fixture.

DRAWING E42-405

Delete Drawing E42-405 dated 06/30/2021 and replace it with Drawing E42-405 dated 08/13/2021, **attached**.
Updates Include: Removed meltric receptacles and plugs from membrane feed pumps and secondary effluent pumps.

DRAWING E42-601

Delete Drawing E42-601 dated 06/30/2021 and replace it with Drawing E42-601 dated 08/13/2021, **attached**.
Updates Include: Removed meltric receptacles and plugs from membrane feed pumps, secondary effluent pumps, and backwash pumps.

DRAWING E48-101

Delete Drawing E48-101 dated 06/30/2021 and replace it with Drawing E48-101 dated 08/13/2021, **attached**.
Updates Include: Removed meltric receptacles and plugs from backwash pumps and CIP recirculation pumps.

DRAWING E48-501

Delete Drawing E48-501 dated 06/30/2021 and replace it with Drawing E48-501 dated 08/13/2021, **attached**.
Updates Include: Revised Key Note 3.

DRAWING E80-102

Delete Drawing E80-102 dated 06/30/2021 and replace it with Drawing E80-102 dated 08/13/2021, **attached**.
Updates Include: Revised Sheet Note 2.

DRAWING E80-701

Delete Drawing E80-701 dated 06/30/2021 and replace it with Drawing E80-701 dated 08/13/2021, **attached**.
Updates Include: Revised equipment names on one-line diagram.

DRAWING E80-702

Delete Drawing E80-702 dated 06/30/2021 and replace it with Drawing E80-702 dated 08/13/2021, **attached**.
Updates Include: Revised equipment names on motor control center elevation.

DRAWING E80-708

Delete Drawing E80-708 dated 06/30/2021 and replace it with Drawing E80-708 dated 08/13/2021, **attached**.
Updates Include: Revised wiring diagram.

VOLUME 5 – PLANS (WesTech Engineering)

DOCUMENT NUMBER 23885D-LST REV 1, MAJOR EQUIPMENT LIST

Please note that the two (2) Amiad Pre-Strainer skids are also provided by WesTech, and should be included on the Major Equipment List. The following table information would apply:

- Equipment Designation: Pre-Strainer
- Tag Nos.: 42-MF-STR-901, 42-MF-STR-902
- Drawing No.: I42-701
- Equipment Name: Ultrafiltration Pre-Strainers 1 and 2
- Size: 226”L x 40-7/8”W x 64-1/8”H, 5433 lbs each. Note that each skid ships in three (3) pieces
- Material: Plastic
- Capacity: 2,250 GPM
- Qty: 2 x 100%
- Manufacturer: Amiad
- Model No: 4x10x12SS Hor Assembly with Controls
- Equipment Provided By: WesTech
- Equipment Skidded: Yes

DOCUMENT NUMBER 23885D-LST REV 1, MAJOR EQUIPMENT LIST

Line No 16. Incorrectly states that the CIP Recirculation Pumps are not skidded. The CIP Recirculation Pumps will in fact be skid-mounted on the CIP skid and shipped that way from WesTech’s factory.

VOLUME 6 – PLANS (Aqua Engineering)

Drawing A82-104

Based on the review of preliminary pre-engineered metal building permit drawings, the sill height of the louvers shall be adjusted to 0’-6” in lieu of currently shown 1’-6”. This drawing is not issued in this addendum and the change will be reflected in the conformed set.

Drawing S82-105

Note for anchoring of Huber (Owner Furnished) rails is added as follows:

- Anchor Type and Diameter: HIT-HY 200 + HAS-R 304SS 1/2"
- Minimum Embedment Depth: 3.0"
- Installation Data:
 - Hole Diameter: 0.562"
 - Drilling Method: Hammer Drilled
 - Cleaning: Compressed air cleaning
 - Maximum Installation Torque: 360 in-lbs

For quantities refer to Volume 9 documentation. This drawing is not issued in this addendum and the change will be reflected in the conformed set.

Drawing S82-104

Callout for reinforcement lap detail is added to section drawings as noted in the **attached** drawing.

Drawing S82-107

Based on the review of pre-engineered metal building reactions the foundation for columns B1 and J1 has been modified as indicated in the **attached** drawing.

Drawing S82-108

Based on the review of pre-engineered metal building reactions the foundation for columns B15 and J5 has been modified as indicated in the **attached** drawing.

Drawing D82-002

Model number for the GAHT® System fans (82-DB1-GAHTF-361 thru -363 and 82-DB2-GAHTF-372 thru-374) is changed to FANTECH Model FKD 18 XL or Equal. This drawing is not issued in this addendum and the change will be reflected in the conformed set.

Drawing D82-101

This drawing has been revised; see **attached** drawing.

- Updates to reflect Huber submittal information added (Huber-supplied Energy chain and Turner rail length dimensions are added).
- Location of feed conveyor #1 (82-FEED-CONV-101) has been modified (shifted 6 inches) as shown in the attached drawing.
- References to Non-Potable Water have been changed to "Utility Water"
- Note for Utility Water Hydrants is changed to callout correct detail in Volume 4.

Drawing D82-103

Following equipment anchoring requirements are added:

Boiler (82-RF-BLR-201 (base bid) and 82-RF-BLR-202 (bid additive alternate #1))

- Anchor Type and Diameter: HIT-HY 200 + HAS-R 304SS 3/8"
- Minimum Embedment Depth: 3.0"
- Installation Data:
 - Hole Diameter: 0.438"
 - Drilling Method: Hammer Drilled
 - Cleaning: Compressed air cleaning

- Maximum Installation Torque: 180 in-lbs

Owner Furnished Air Compressor (82-AS-AC-601)

- Anchor Type and Diameter: HIT-HY 200 + HAS-R 304SS 3/8"
- Minimum Embedment Depth: 3.0"
- Installation Data:
 - Hole Diameter: 0.438"
 - Drilling Method: Hammer Drilled
 - Cleaning: Compressed air cleaning
 - Maximum Installation Torque: 180 in-lbs

This drawing is not issued in this addendum and the changes will be reflected in the conformed set.

Drawing D82-204

Section C is updated to show the updated length of Huber supplied Energy Chain and additional support required. This drawing is **attached** to this addendum.

Drawing I82-101

Note 2 is added to clarify the scope of work relative to base bid vs. bid alternates.

Note 2:

"Boiler #2 (82-RF-BLR-202) is part of bid additive alternate #1. Conduit and MCC-SD equipment required shall be included in the base bid. Required wire and equipment shall be a part of the bid additive alternate #1"

This drawing is not issued in this addendum and the change will be reflected in the conformed set.

Drawing I82-102

Note 1 is added to clarify the scope of work relative to base bid vs. bid alternates.

Note 1:

"Solids Feed Conveyor #2 (82-FEED-CONV-102) is part of bid additive alternate #1. Conduit and MCC-SD equipment required shall be provided for conveyor and accessories in base bid. Required wire and equipment shall be a part of bid additive alternate #1"

This drawing is not issued in this addendum and the change will be reflected in the conformed set.

Drawing I82-103

Note 1 is added to clarify the scope of work relative to base bid vs. bid alternates.

Note 1:

- *Solids Discharge Conveyor #2 (82-DIS-CONV-352) is part of bid additive alternate #1. Conduit and MCC-SD equipment shall be provided for conveyor and accessories in base bid. Required wire and equipment shall be a part of bid additive alternate #1.*
- *Huber Solids Turning Mechanism #2 and associated components (82-DR2-TRN-ME-141, 82-DR2-JB-141, and 82-DR2-CP-141) are a part of bid additive alternate #1. Required conduit and MCC-SD equipment shall be provided in the base bid.*

This drawing is not issued in this addendum and the change will be reflected in the conformed set.

Drawing I82-104

Note 1 is added to clarify the scope of work relative to base bid vs. bid alternates.

Note 1:

Solids Discharge Conveyor #2 (82-DIS-CONV-352) is part of additive alternate #1. Conduit and MCC-SD equipment shall be provided for conveyor and accessories in base bid. Required wire and equipment shall be a part of bid alternate #1.

This drawing is not issued in this addendum and the change will be reflected in the conformed set.

Drawing I82-106

The GAHT® system is part of bid additive alternate #5. The MCC-SD equipment is part of the base bid, with the remainder part of the bid alternate.

Following information is provided as clarification of the scope relative to base bid vs. bid additive alternates (Drawings will be modified as needed in the conformed set).

Drawing E82-201

- Solids Feed Conveyor #2 (82-FEED-CONV-102) is part of bid additive alternate #1. Conduit and MCC-SD equipment shall be provided for conveyor and accessories in base bid. Required wire and equipment shall be a part of the bid additive alternate #1.
- Solids Discharge Conveyor #2 (82-DIS-CONV-352) is part of bid additive alternate #1. Conduit and MCC-SD equipment shall be provided for conveyor and accessories in base bid. Required wire and equipment shall be a part of the bid additive alternate #1.
- Huber Turner #2 (82-DR2-TRN-ME-141, 82-DR2-JB-141, and 82-DR2-CP-141) is part of bid additive alternate #1. Conduit and MCC-SD equipment shall be provided in the base bid. Required wire and equipment shall be a part of the bid additive alternate #1.

Drawing E82-203

- Boiler #2 (82-RF-BLR-202) is part of bid additive alternate #1. Conduit and MCC-SD equipment shall be included in base bid. Required wire and equipment shall be a bid additive alternate #1.
- 82-DR2-CP-141 is part of bid additive alternate #1. Conduit and MCC-SD equipment shall be included in base bid. Required wire and equipment shall be a part of the bid additive alternate #1.

Drawing E82-501

- 82-FEED-CONV-102 and 82-DIS-CONV-352 are part of bid additive alternate #1. The conduits and MCC-SD equipment shall be provided as part of the base bid.
- 82-DB1-GAHT-F-361, 82-DB1-GAHT-F-362, 82-DB1-GAHT-F-363, 82-DB2-GAHT-F-371, 82-DB2-GAHT-F-372, and 82-DB2-GAHT-F-373 are part of bid additive alternate #5. The conduits and MCC-SD equipment shall be provided as part of the base bid.

Drawing E82-502

82-DR2-CP-141 and associated equipment are part of bid additive alternate #1. Related Conduit and MCC-SD equipment shall be provided as part of base bid.

Drawing E82-508

82-DB1-GAHT-F-361, 82-DB1-GAHT-F-362, 82-DB1-GAHT-F-363, 82-DB2-GAHT-F-371, 82-DB2-GAHT-F-372, and 82-DB2-GAHT-F-373 are part of bid additive alternate #5.

Drawing E82-509

Refer to other drawings for wiring that is to be provided in bid alternates.

VOLUME 7 – PRE-PROCURED MATERIALS INFORMATION (WesTech Integrated Tertiary Treatment Equipment)

SECTION 1-B – ULTRAFILTRATION SYSTEM, DOCUMENT 23885A-EQP03 – CHEMICAL FEED SYSTEMS

Update the two Hydrochloric Acid Pump Tags shown on Dwg. No. DSS-S2-DDA-7.5-X-PXX-PXFNX-XXX-P5050. The tags should not be 48-HCL-P-101 and 48-HCL-P-102. The correct tags should be: 48-HCL-P-201 and 48-HCL-P-202, to match the tags shown on Document Number I48-706 in Volume 5.

VOLUME 8 – PRE-PROCURED MATERIALS INFORMATION (ABC Pre-Engineered Metal Buildings)

ABC Solar Dryer and Dewatering Building Permit Package (CURRENTLY REVISE AND RESUBMIT):

A permit set (Not for Construction) was submitted for review and coordination. This set is not issued or intended for construction and as such does not provide all the required assembly and installation details. Note that the Contractor shall not be allowed to construct any foundations until a “for construction” set has been issued, reviewed, and approved by the Engineer. Attached drawing markups include specific comments and highlight areas that require additional coordination.

Final construction set submitted for approval shall include all relevant details associated with the building construction and include triple wall polycarbonate material, assembly, and installation details. In addition, final “for construction set” shall include all relevant building anchoring and polycarbonate panel cladding design calculations sealed by a professional structural engineer licensed in the State of Idaho.

Reference **Attached** Files:

- “13_Add2_Vol8_BiosolidsBldgReviewComments_210810”, 9 pages.
- “14_Add2_Vol8_BiosolidsBldgReviewDwgRedlines_210810”, 27 pages.

ABC Dewatering Building and UltraFiltration Building Permit Packages (CURRENTLY REVISE AND RESUBMIT):

A permit set (Not for Construction) was submitted for review and coordination. This set is not issued or intended for construction and as such does not provide all the required assembly and installation details. Note that the Contractor shall not be allowed to construct any foundations until a “for construction” set has been issued, reviewed, and approved by the Engineer and Owner. Attached drawing markups include specific comments and highlight areas that require additional coordination.

Reference **Attached** Files:

- “15_Add2_Vol8_UFBldgReviewComments_210813”, 7 pages.
- “16_Add2_Vol8_UFBldgReviewDwgRedlines_210813”, 24 pages.

VOLUME 9 – PRE-PROCURED MATERIALS INFORMATION (Huber Solar Dryer Equipment)

HUBER SOLAR DRYER EQUIPMENT:

- Add to VOLUME 9 Information, **Attached** “06_VOL 09_HuberSubmittal_HARSB_Rev D_8.6.21_Final”, 511 Pages.

VOLUME 10 – PRE-PROCURED MATERIALS INFORMATION (Weholite HDPE Tanks)

Add to VOLUME 10 Information, **Attached** review comments on Weholite drawings (drawings provided in Addendum 1), “17_Add2_Vol10_DrawingReviewR1_210810”, 8 Pages.

VOLUME 11 – PRE-PROCURED MATERIALS INFORMATION (Miscellaneous)

SLUDGE BLEND TANK AND MIXER (80-BS-TANK-400 and 80-BS-MXR-400)

- Add to VOLUME 11 Information, **Attached** “04_VOL 11 - BLEND TANK MIXER OM MANUAL”, 51 Pages.
- Add to VOLUME 11 Information, **Attached** “05_VOL 11 - BLEND TANK O&M MANUAL”, 16 Pages.

PLANT DRAIN PUMP STATION NO. 2

- Add to VOLUME 11 Information, **Attached** “07_Prerostal Installation Guide - Dual Basin”, 5 Pages.