

Upper Occoquan Service Authority

Leader in Water Reclamation and Reuse 14631 COMPTON ROAD, CENTREVILLE, VIRGINIA 20121-2506 (703) 830-2200

March 17, 2023

VIA EMAIL AND FEDERAL EXPRESS

ADDENDUM NO. 2

TO THE CONTRACT DOCUMENTS

for the construction of the

Methanol Feed Facilities

(UOSA Contract MFF)

Upper Occoquan Service Authority

To: All Official Contract Document Holders

Attached for your use, please find a copy of Addendum 2 for UOSA Contract MFF. Also attached, are the Interpretations and Clarifications to Questions from potential bidders. The Bid opening date is March 30, 2023, at 2:00 p.m.

Ch. [1

Sincerely,

Chris Connors, P.E. Senior Construction Project Engineer, Capital Improvements

Attachments: Addendum No. 2



Upper Occoquan Service Authority

Leader in Water Reclamation and Reuse 14631 COMPTON ROAD, CENTREVILLE, VIRGINIA 20121-2506 (703) 830-2200

ADDENDUM No. 2 to the Contract Documents for the construction of Methanol Feed Facilities UOSA Contract MFF Upper Occoquan Service Authority Centreville, Virginia

Date: March 17, 2023

To All Official Planholders:

The following changes, additions, and/or deletions are hereby made part of the Contract Documents for the construction of UOSA Contract MFF for the Upper Occoquan Service Authority, Centreville, Virginia, as fully and completely as if the same were set forth therein:

A. BIDDING REQUIREMENTS

No Change

B. CONTRACT FORMS

No Change

C. CONDITIONS OF THE CONTRACT

No Change

D. SPECIFICATIONS

1. On Page 17 of Specification Section 09 90 00, Painting and Coating, **<u>REPLACE</u>** paragraph 3.07.E in its entirety with the following:

Surface Prep.	Paint Material	Min. Coats, Cover
SP 10, Near-White	Standard Hot Coal-Tar	AWWA C203
Blast Cleaning	Enamel	
	-OR-	
	Coal-tar-Epoxy	2 coats, 16 MDFT
	Tape coat system	AWWA C209 and
		AWWA C214 with
		double outer wrap

"E. System No. 8 Buried Metal – General:

- 1. For Steel pipe and fittings, follow AWWA C209 and AWWA C214.
- 2. Use on the following items or areas: buried, below grade portions of steel items, except buried stainless steel or ductile iron.
- 3. For copper pipe and fittings, provide tape coat system and follow AWWA C209."
- 2. On Page 20 of Specification Section 09 90 00, Painting and Coating, **<u>REPLACE</u>** paragraph 3.09.E in its entirety with the following:

"E. Pipe System Color Code: Refer to the Piping Schedule at the end of 40 27 00, Process Piping – General."

- 3. On page 3 of Specification Section 23 31 13, Metal Ducts and Accessories, **DELETE** paragraph 1.03.A.1.b.1.b in its entirety.
- 4. On page 6 of Specification Section 23 31 13, Metal Ducts and Accessories, <u>DELETE</u> paragraph 2.02.B in its entirety.
- 5. On Page 5 of Specification Section 32 11 23, Aggregate Base Course, <u>ADD</u> the following new paragraph 3.08 and Table 2 after paragraph 3.07:
 - 3.08 FIELD QUALITY CONTROL
 - A. In-Place Density Tests:
 - 1. Engineer will perform testing, Contractor shall coordinate.
 - 2. Provide Engineer at least 2 hours advance notification prior to testing.
 - 3. Show proof that areas meet specified requirements before identifying density test locations.
 - 4. Refer to Table 2 for minimum sampling and testing requirements for aggregate base course and surfacing.

Min	Tab imum Sampling and	ele 2 d Testing Requireme	ents
Property	Test Method	Frequency	Sampling Point
Gradation	AASHTO T11 and AASHTO T27	One sample every 500 tons but at least every 4 hours of production	Roadbed after processing
Moisture Density (Maximum Density)	VTM-1	One test for every aggregate grading produced	Production output or stockpile
In-Place Density and Moisture Content	ASTM D6938	One for each 2,000 sq ft of area but not less than 3 per lift	In-place completed, compacted area

- 6. On page 3 of Specification section 33 16 13.13, Welded Stainless Steel Tank, **REPLACE** paragraph 1.03.A.2 in its entirety with the following:
 - "2. Corrosion protection for underside of tank bottom shall be as recommended by the tank Manufacturer to protect the tank from contact with the concrete tank pad."
- 7. On page 5 of Specification section 33 16 13.13, Welded Stainless Steel Tank, **DELETE** paragraphs 1.05.B.1 and 1.05.B.5.g in their entirety.
- 8. On page 6 of Specification section 33 16 13.13, Welded Stainless Steel Tank, **DELETE** paragraph 1.06.A.8 in its entirety.
- 9. On page 11 of Specification section 33 16 13.13, Welded Stainless Steel Tank, <u>ADD the following new paragraph 3.01.C after 3.01.B and prior to 3.02</u>.

"C. Corrosion Protection between tank bottom and concrete tank pad shall be provided by the Contractor and installed as recommended by the tank Manufacturer."

10. At the end of Specification Section 40 27 00, Process Piping -General, REPLACE the PIPING SCHEDULE in its entirety with the revised PIPING SCHEDULE that is attached.

E. DRAWINGS

- 1. **REPLACE** Sheet 48 (D2-E-201) with attached revised Sheet 48 (D2-E-201).
- 2. **REPLACE** Sheet 60 (GG-D-301) with attached revised Sheet 60 (GG-D-301).
- 3. **REPLACE** Sheet 61 (GG-D-302) with attached revised Sheet 61 (GG-D-302)
- 4. **REPLACE** Sheet 62 (GG-D-303) with attached revised Sheet 62 (GG-D-303).
- 5. **REPLACE** Sheet 82 (GG-E-201) with attached revised Sheet 82 (GG-E-201).
- 6. **REPLACE** Sheet 95 (SD-I-501) with attached revised Sheet 95 (SD-I-501).
- 7. **REPLACE** Sheet 104 (SD-D-501) with attached revised Sheet 104 (SD-D-501).

Attachments:

40 27 00 Piping Schedule Sheet 48 (D2-E-201) Sheet 60 (GG-D-301) Sheet 61 (GG-D-302) Sheet 62 (GG-D-303) Sheet 82 (GG-E-201) Sheet 95 (SD-I-501) Sheet 104 (SD-D-501)

Approved by: Upper Occoquan Service Authority

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Robert W. Angelotti Executive Director

					PIP	ING SCHE	DULE			
LEGEND	SERVICE	MATERIAL (NOTE 3)	SPEC SECTION	SIZE (IN.) (NOTE 2)	INSTALLATION (NOTE 4)	JOINT TYPE (NOTE 5)	LINING/COATING (NOTE 6)	COLOR CODE TNEMEC/NO.	TEST PRESSURE, TYPE (NOTE 7)	REMARKS
D	DRAIN, SANITARY	CISP	22 10 01.03	ALL	EXP/BUR	NO HUB	NONE	NONE	5 H	
DR	PROCESS DRAIN	CLDI	40 27 00.01	ALL	BUR	MS, PRJ	NONE	NONE	5 H	UNLOADING STATION CONTAINMENT AND TRUCK CONTAINMENT DRAINS
		SST	40 27 00.09	ALL	EXP	w	NONE	NONE	5 H	METHANOL TANK DRAIN
FS	FIRE SUPRESSION FOAM AND FIRE SUPPLY	CLDI, CS, SST	21 13 24	ALL	EXP	GRV,S,FL	SYSTEM NO. 4	OSHA RED	200 H	REFER TO SECTION 21 13 24 FOR PIPING REQUIREMENTS.
HW	HOT WATER (POTABLE)	CU	40 27 00.13	ALL	EXP	FL, S, W	NONE	NONE	150 H	
MOL	METHANOL (99%)	SST	40 27 00.09	ALL	EXP	W, S	NONE	NONE	150 H	INTERIOR PIPING
WOL		SST	40 27 00.15	ALL	BUR	PRJ	NONE	NONE	150 H	DOUBLE WALL CONTAINMENT PIPE (NOTE 8)
MS	METHANOL SOLUTION	88T	40 27 00.09	ALL	EXP	w	NONE	NONE	150 H	
		001	40 27 00.15	ALL	BUR	PRJ	NONE	NONE	150 H	DOUBLE WALL CONTAINMENT PIPE (NOTE 8)
OF	OVERFLOW	SST	40 27 00.09	ALL	EXP	w	NONE	NONE		METHANOL STORAGE TANKS
PW	PLANT WASTE	CLDI	40 27 00.01	ALL	BUR	MS, PRJ	NONE	NONE	5 H	
RTW	RECIRCULATED TEMPERED WATER	CU	40 27 00.13	ALL	EXP/BUR	FL, S, W	NONE	NONE	150 H	
TP	TRAP PRIIMER	CU	40 27 00.13	ALL	EXP/BUR	FL, S, W	NONE	NONE	150 H	
тw	TEMPERED WATER	CU	40 27 00.13	ALL	EXP/BUR	FL, S, W	NONE	NONE	150 H	
VR	VAPOR RECOVERY	SST	40 27 00.09	ALL	EXP/BUR	w	NONE	NONE		

					PIP	ING SCHE	DULE			
LEGEND	SERVICE	MATERIAL (NOTE 3)	SPEC SECTION	SIZE (IN.) (NOTE 2)	INSTALLATION (NOTE 4)	JOINT TYPE (NOTE 5)	LINING/COATING (NOTE 6)	COLOR CODE TNEMEC/NO.	TEST PRESSURE, TYPE (NOTE 7)	REMARKS
VTR	VENT THRU ROOF	CISP, SST	22 10 01.03 22 10 01.09	ALL	EXP	NO HUB	NONE	NONE	5	SST FOR FUTURE MOL CALIBRATION COLUMN
1W	NO. 1 (POTABLE) WATER	CU	40 27 00.13	ALL	EXP/BUR	FL, S, W	NONE/TAPE	NONE	150	EXISTING PIPING. REFERENCED ON SITE PIPING DRAWINGS.
2\\/	NO. 2 WATER, CHLORINATED	CU	40 27 00.13	<=3	EXP/BUR	FL, S, W	NONE/TAPE	NONE	150 H	
200	PLANT EFFLUENT	CLDI	40 27 00.01	>3"	BUR	PRJ	CEMENT / POLY	NONE	130 11	

NOTES:

- Where piping carries two or more service designations the piping material shall conform to the requirement for the first service listed (e.g., RAS/OF requires the material used for RAS piping).
- 2. ">" Greater Than ">=" Greater Than or Equal To "<" Less Than "All" All sizes "<=" Less Than or Equal To
- 3. CLDI: Cement-Lined Ductile Iron CPVC: Chlorinated Polyvinyl Chl CU: Copper GLDI - Glass Lined Ductile Iron CS - Carbon Steel
- 4 EXP: Exposed (interior or exterior) BUR: Buried EMB: Embedded (in concrete) SUB: Submerged ALL: All installations

- 5. Joints as specified in Section 40 27 00, Process Piping General, and in the referenced sections. FL - Flanged S - Screwed GR - Grooved W - Welded PRJ - Proprietary Restrained Joint FAB - Fabricated
- Coating system number as specified in Section 09 90 00, Painting and Coating, and as specified in Article, Pipe Corrosion Protection: POLY: Polyethylene wrap per Section 40 27 00. TAPE: Tape wrap per Section 40 27 00.
- NUMBER LISTED IS TEST PRESSURE IN PSIG.
 H: Hydrostatic Test
 P: Pneumatic Test
 G: Gravity Pipe Test pressure is not shown on gravity pipes.
 - Test to highest liquid level that pipe can be subject to. PC: Test per Uniform Plumbing Code

8. Double wall containment piping shall be routed as one continuous line with no joints from point to point as shown on drawings.



PLOT TIME: 4:36:13 PM





PLOT TIME: 4:35:24 PM





TRANSITION FROM SINGLE WALL TO DOUBLE WALL.





DATE	NOVEMBER 2022
PROJ	E5X66106
DWG	GG-D-303
SHEET	62 of 112



	\square	SHEET KEY	 	TES
LINEINUIES	$\vdash \smile$	SHEETKE	UNU	
PROOM IS CLASSIFIED AS AN NEC CLASS N 2, GROUP D AREA, ALL ELECTRICAL IT SHALL BE RATED FOR USE IN THIS ATION. THE CONTAINMENT BASIN IS CLASSIFIED C CLASS 1, DIVISION 1, GROUP D AREA FLOOR OF THE CONTAINMENT BASIN TO VALL OF THE BASIN. THE AREA WITHIN HE WALLS TO THE TANK FROM THE TOP DIVISION 1, GROUP D AREA. THE TOP OF IS AN NEC CLASS 1, DIVISION 2, GROUP D E OF THE TANK IS CLASSIFIED AS AN NEC DIVISION 1, GROUP D AREA. THE TOP OF IS CLASSIFIED AS AN NEC CLASS 1, 2, GROUP D AREA. GROUNDING RECEPTACLE WHERE THE K CAN CONNECT A STATIC GROUNDING GROUNDING RECEPTACLE WHERE THE K CAN CONNECT A STATIC GROUNDING GROUND THE TRUCK, PROVIDE CROUSE DEL GCR OR EQUAL. STATIC GROUND WIRE TO ALL OF THE BAND THE VAPOR RECOVERY PIPE, USE A PIPE CONNECT BETWEEN EACH PIPE. EXTENDING WITHIN 5-0° OF THE OPEN 4E VENT EXTENDING IN ALL DIRECTIONS CLASS 1, DIVISION 1, GROUP D AREA.	 7. 8. 9. 10. 11. 12. 13. 14. 15. 	THE AREA NEAR THE FILL AS FOLLOWS: NEC CLASS 3'-0" TO 5'-0" FROM THE N DIVISION 2, GROUP D FRG GRADE, 5'-0" TO 10'-0" FRG CONNECT TO TANK GROL SEE CABLE BLOCK DIAGF GG-E-602 FOR CONDUIT A AND ROUTING. SEE CABLE BLOCK DIAGF GG-E-602 FOR CONDUIT A AND ROUTING. SEE CABLE BLOCK DIAGF GG-E-603 FOR CONDUIT A AND ROUTING. ROUTE ALL CONDUITS EX OF THE CONTAINMENT AF HALL NOT PENETRATE T WALLS OR FLOOR. COND EMBEDDED IN THE CONT, FLOOR. ROUTE ALL CONDUITS EX NOT EMBED IN SLAB OR F MOUNT SENSOR/FILTER 1 FLOOR. SEE SHEET KEYN	STATION S 1, DIVIS OZZLES / DM GRAD DM THE F INDING P RAM CBD- IND CONI RAM CBD- IND	IIS CLASSIFIED IND CLASS 1, E TO 18" ABOVE ILLING NOZZLES. AD. GG-1 ON DWG DUCTOR SIZING GG-2 ON DWG DUCTOR SIZING GG-3 ON DWG DUCTOR SIZING GG-4 ON DWG DUCTOR SIZING BOVE THE TOP CONDUITS AINMENT AREA LL NOT BE AREA WALLS OR N THIS ROOM. DO NDER THE SLAB. E FINISHED SAND 6 ON DWG ATION.
	ED BUILDI	NG	DATE	NOVEMBER 2022
GROUND FLOOR PROC	ESS F	PLAN	DWG SHEET	GG-E-201 82 of 112

PLOT TIME: 4:35:22 PM







PLOT TIME: 4:35:36 PM

To: Official Bidding Document Holders

Subject: Questions from Official Bidding Document Holders

Date: March 16, 2023

INTERPRETATIONS AND CLARIFICATIONS

Pursuant to the Instructions to Bidders, Article 1.B, the following interpretations and clarifications are being offered in response to questions from potential bidders and other interested parties. These responses are intended to clarify, not change, the terms, conditions, and scope of the Work.

1. Question: Drawing 05-P-201 states in keynote 1 about replacing the elbow with a tee for the 2" 1W system. Will there be a way to shut down the system during the modification?

Response: Yes. Such a provision is available, in accordance with Specification Section 01 31 13 – Project Coordination.

2. Question: Referencing specification section 03 30 10, 26 05 33 and detail 2605 – 400. Please clarify if the concrete for the electrical ductbank shall be colored or not.

Response: The ductbank concrete shall be colored red per Specification Section 26 05 33 Paragraph 3.14.M.2.

3. Question: Referencing drawing SD-S-503 detail 0330-090. Please clarify what concrete PSI is to be used in between the wall of the existing D/2 structure.

Response: Either Concrete Mix Class 4500F2S1P1C, or Concrete Mix Class 3500F2S1P2C1 as specified in Section 03 30 10, Structural Concrete, may be used for the duct bank concrete that ties into the existing concrete wall of Building D2.

4. Question: Referenc3 drawing 05-E-201 and D2-E-201. Drawing 05-E-201 shows new electrical ductbank "D" as the ductbank to penetrate D/2 Thickening & Sludge building wall. Drawing D2-E-201 shows electrical ductbank "E" to penetrate D/2 building. However, electrical ductbank "E" is shown as existing on drawing 05-E-301. Please clarify the new ductbank penetration location into D/2 building as well as the correct ductbank size.

Response: See attached Addendum No. 2.

5. Question: Drawing GG-E-201 references drawing 05-SE-201. Please provide drawing 05-SE-201.

Response: See attached Addendum No. 2.

6. Question: This specification states that the contractor must request a clarification to the interpretation of the plans and specifications to the owner 28 days prior to bid opening. This would make the deadline for all submitted questions to be 3/2/23. Please conisder extending the question deadline to two weeks prior to the bid opening (3/16/23) to allow time for the general contractors, subcontractors and vendors to thoroughly review and interpret the plans and specifications.

Response: Please refer to Addendum No. 1.

7. Question: Please clarify if there is a specified welded stainless steel tank manufacturer for this project.

Response: No welded steel tank manufacturer is specified for this project; however, conformance to specified requirements must be provided.

8. Question: The specification alludes to corrosion protection needed for the bottom of the tank. Please clarify the underlayment needed for the tank to protect from corrosion.

Response: Specification 33 16 13.13 will be revised to require the tank manufacturer to recommend corrosion protection for the underside of the tank bottom to protect the tank from contact with the concrete tank pad and the Contractor shall install the corrosion protection per tank manufacturers recommendations. See attached Addendum No. 2.

- Question: Drawing GG-D-301 calls for a 6" V690 valve, but the process specification 40 270 02 for valves does not list a V690. Please provide the details of that valve.
 Response: See attached Addendum No. 2.
- Question: Specification 233113 does not specify a duct lining thickness. Please advise.
 Response: See attached Addendum No. 2.
- 11. Question: Drawings GG-D-302, GG-D-303, and other related drawings shows a valve that looks to be flanged, but specification 40 27 02 says most of the valves are to have an NPT end. Please advise.

Response: Valve end configuration shall be as specified for the valve type that is called out on the drawing and be compatible with the piping provided.

12. Question: Drawing GG-D-302 shows a flushing connection that references detail 4027-182 on drawing SD-D-501 which is a 2". The flushing connection looks like it branches off a ¹/₂" line from the inlet and outlet of the Methanol pumps. Please confirm the detail is correct with the sizing that it is asking for.

Response: See attached Addendum No. 2.

13. Question: Reference GG-D-302 & SD-D-501. Pleae provide additional detail for the 1/2" flushing connection shown on GG-D-302 Section B and 2" flushing connection shown on Section C. These do not have a reference detail on it.

Response: See attached Addendum No. 2.

14. Question: Please provide location GG-RP-003. Drawing GG-E-201 shows GG-RP-001 and GG-RP-002. GG-RP-003 is only found on wiring diagrams.

Response: On Drawing GG-E-201 locate GG-RP-003 on the wall just west of UU-30-125. See attached Addendum No. 2.

15. Question: Please provide electrical routing for the exterior light pole shown on drawing GG-E-202

Response: Route to be determined in the field.

16. Question: Spec section 00 72 00.92.B states the existing facilities were built in the 1970s and may contain hazardous materials like lead, cadmium, asbestos and PCBs. Spec section 02 41 00.3.04 indicates that Contractor is to remove and dispose of all asbestos-containing materials where encountered. Has a hazardous materials survey been completed for any of the structures, equipment and process piping where work is to be performed?

Response: No. A hazardous material survey was not conducted for these structures.

17. Question: Spec section 02 41 00.3.04 states that known asbestos concrete pipe (asbestos containing) exists at the site and are the 2W (Chlorinated Effluent) pipelines, the 1W (Potable Water) pipelines and the PW (Plant Waste) pipelines. Please confirm if there are other pipelines that may be asbestos concrete pipe.

Response: No other utility pipes are asbestos concrete pipe. The 2W, 1W, and PW piping that this project interfaces with was installed in the 2000's and <u>is not</u> asbestos concrete pipe. However, the new 2" MS pipe that is routed from new Building GG to the selector basins may cross older 2W, 1W and PW pipes that are asbestos concrete.

18. Question: Please confirm if 24/7 onsite start-up personnel is required, or if this can be amended to 24/7 on-call

Response: Confirmed. 24 hour continuous on-site startup personnel at the site is required during startup activities in accordance with Specification Section 01 91 14 Paragraph 3.03.E.1.

19. Question: Please provide detail 2605-002 referenced on GG-D-301 and GG-D-303

Response: A new standard detail 4091-388 will be included on Drawing SD-I-501. Revise the standard detail number 2605-002 that is referenced on Drawing GG-D-301 and GG-D-303 to be standard detail 4091-388 and add "SIM" to the callout. See attached Addendum No. 2.

20. Question: Please confirm if electrical, potable water, and sanitary sewer hookups are available at the office trailer location.

Response: Electrical, potable water, and sanitary sewer service connections are available, but not guaranteed to be operational at any given time.

- Question: Please confirm if use of the existing Concrete Wash Down Pit is allowedResponse: Use of the concrete wash out pit is not permitted.
- 22. Question: The designer for the project is Jacobs. However, the submittal spec refers to CH2M Hill's address to deliver submittals. Please clarify the delivery address for submittals to the engineer.

Response: Please refer to Addendum No. 1.

23. Question: Notice to Proceed is stated ast 21 days after contact execution. Would a delayed NTP be considered to allow for adequate time to start critical submittals and procurement?

Response: The intent of the Contract Documents stands. Please refer to INSTRUCTIONS TO BIDDERS, paragraph 18, "Execution of the Contract" for additional information.

24. Question: Specification 01 50 00 (1.07) (B.1) states that all power cost during the contract period shall be bourne by the Contractor. Is the permanent power cost of the new facility during the period from substantial to final completion by the Owner or the Contractor?

Response: Per paragraph 1.07.A, once Substantial Completion is achieved, the Owner will begin to pay for power.

25. Question: Specification 01 50 00 (1.05)(A) states that the Contractor shall have a field office at the Site for the duration of the work. Does the Contractor have to have a field office onsite when there is no work being performed, but within the Contract time period?

Response: An onsite field office will be required prior to commencement of, and for the duration of, field work.

26. Question: Specification 01 50 00 (1.07) (I.4c) states Contractor shall field verify required flow rate, suction lift, static discharge head, temporary pipe sizes..... Will the Contractor be responsible for providing PE Stamped Calculations for this operation?

Response: No. The specification does not require PE Stamped calculations.

27. Question: Please confirm the Contractor does not have to supply the Owner and.or Engineer with a trailer for this Project.

Response: Confirmed.

28. Question: Specification 05 05 23 references a Certified Welding Inspector by the Contractor. Can the certified welding inspector be employed by the Contractor or does it have to be 3rd party?

Response: Note that in addition to Specification 05 05 23 (Welding), Specifications 33 16 13.13 (Welded Stainless Steel Tank) and 40 27 00 (Process Piping – General) also include requirements for a Contractor's Certified Welding Inspector (CWI). The employment requirements for the CWI shall be as follows: (a) Specification 05 05 23 doesn't include specific requirements for the CWI to be employed by an independent third party, so it's acceptable for the CWI for welding done under Specification 05 05 23 to be employed by the Contractor, subject to approval of the CWI's credentials by the Engineer, (b) Specification 33 16 13.13 doesn't include specific requirements for the CWI to be employed by an independent third party, so it's acceptable for the CWI to be employed by an independent third party, so it's acceptable for the CWI for welding done under Specification 33 16 13.13 to be employed by the tank manufacturer, subject to approval of the CWI's credentials by the Engineer; and (c) Specification 40 27 00-1.04.A.1.e requires the welding inspector to be employed by an independent inspection and testing agency, so the CWI for welding done under Specification 40 27 00 cannot be employed by the Contractor.

29. Question: Please confirm non destructive testing is by the Owner.

Response: Nondestructive testing (NDT) for welds shall be as follows: (a) NDT for welding done under Specifications 05 05 23 and 33 16 13.13 falls under Fairfax County special inspections and thus shall be performed by the special inspections and testing agency retained by the Owner; (b) NDT for welded pipe under Specification 40 27 00 does not fall under Fairfax County special inspections and shall be performed by an independent inspection and testing agency retained by the Contractor and approved by the Engineer in accordance with Specification 40 27 00-1.04.A.1.

30. Question: Please reference Specification 07 11 13. Do the below grade concrete walls for the containment areas get dampproofing?

Response: The exterior surface of the containment area walls shall receive damp proofing per specification 07 11 13 paragraph 3.05.

31. Question: Please reference Specification 07 11 13. Do the below grade frost walls get dampproofing?

Response: Damp proofing shall be applied to the exterior surface of all exterior foundation walls per specification 07 11 13 paragraph 3.05. It is not required to provide damp proofing for Interior foundation walls.

32. Question: Please provide As-Built of structures scheduled for selective demolition as noted in spec section 02 41 00.

Response: As -built drawings can be made available by appointment for Contractor review.

33. Question: Please confirm if there is going to be an allowance for potential asbestos removal as noted in spec section 02 41 00 3.04.A

Response: No allowance will be provided.

- 34. Question: Please confirm roofing leak testing requirements per spec section 07 52 16Response: Roof leak testing is not required.
- **35. Question:** Color code chart shown in spec section 09 90 00 seems to be missing some color codes. Please confirm requirements.

Response: See attached Addendum No. 2.

36. Question: Please confirm if there is going be an allowance for potential contaminated and unsuitable soils. Reference spec sections 31 23 16 and 31 23 23

Response: No allowance will be provided.

37. Question: Please confirm the coping requirements for the transition between precast and masonry block.

Response: Confirmed. Reference drawing GG-A-301 and specification Section 07 62 00 Sheet Metal Flashing and Trim Paragraph 2.03.

38. Question: Is the initial fill of the methanol tanks by the Owner or the Contractor? All functional, performance, ORT and PAT testing can be accomplished with the use of water in the tanks.

Response: The initial fill of the two tanks is by the Contractor.

39. Question: Are the chemicals consumed during startup by the Owner or the Contractor?

Response: The anticipated amount of methanol used during testing and commissioning is negligible, and will expend only a small portion of the initial fill.

MINUTES OF PRE-BID MEETING FOR METHANOL FEEDING FACILITY (MFF)

DATE:FRIDAY, FEBRUARY 24, 2023TIME:10:00 AM (EST)PLACE:Sellman Meeting Center (Building G - first floor)

Meeting Attendees:

USOA:	Chris Connors John Airhart Bob Angelotti
Jacobs:	Don Forgacs Stuart Campbell
PC Construction:	Laura Gunnip
Clark Construction:	John Aceto
Sherwood Logan:	John Logan
Clark Construction	Diego Bustios

1. <u>Welcome to UOSA:</u> Mr. Chris Connors opened the meeting at 10:00am and welcomed attendees to the MFF pre-bid conference.

UOSA maintains a website, <u>www.uosa.org</u>, where information regarding Contract MFF will be posted, including any addenda and the Official Bidding Document Holders List.

This meeting is being recorded. Identify emergency fire exits. Reminded to sign-in

 Purpose of the Pre-Bid Conference: Mr. Chris Connors described the purpose for the Contract MFF, methanol feeding facility, Pre-Bid Conference is to discuss the Project, cover key components, and provide a forum for potential bidders to ask questions pertaining to the Work.

In the course of reviewing the Contract Documents and preparing the Bid, if there are any questions, they should be forwarded to the Project email:

<u>contractMFF@uosa.org</u>. All questions must be submitted in writing and all questions will be answered in writing. All official plan holders will receive copies of the responses. Statements made during this conference do not change the Contract in any way.

Minutes will be prepared for this Pre-bid Conference. The minutes will include a list of all questions asked along with the appropriate responses. This information will be posted on the project website and mailed/emailed to all Official Bidding Document Holders and anyone else who formally requests a copy.

- 3. **Purpose of the Project:** The Purpose of the MFF Project is to construct a new methanol feed and storage building GG, a methanol truck unloading station, feed piping to selector basins 56/1-56/3 and 56/4-56/7; modifications to existing Bldg. D/2 to accommodate power, controls integrations, and fire alarm system for the new facility. A complete description of the Work can be found in the contract documents.
- 4. <u>Bidder's Understanding:</u> Mr. John Airhart stated that nothing said during this conference or during any site visit can change any of the terms and conditions of the Contract. The Contract can only be changed, prior to Bid, via addenda that are issued by the Owner.

Per Paragraph 1.B of Instructions to Bidders, Document Interpretation 3rd sentence, "Any interpretation or change in the Contract Documents will be made only in writing signed by the Owner, in the form of Addenda to the Contract Documents, which will be furnished to all Official Bidding Document Holders (those who have obtained from the Owner a complete set of Contract Documents). The Owner will not be responsible for nor in any way bound by any other explanation or interpretation of the Contract Documents regardless of who is asserted to have provided such explanation or interpretation. Bidders shall acknowledge on the Bid Form in the space provided receipt of all Addenda."

Submission of a bid constitutes a representation that the Bidder has exercised due diligence in the inspection of the Site and familiarized itself with the Contract Documents. All record drawings are available for review by scheduling an appointment with Mr. Chris Connors

Item 4.E in the Instructions to Bidders requires bidders to submit a description, project references and contact information to the Owner of at least three similar projects in the last seven years.

Bidders are responsible for informing themselves of all codes, labor, environmental and safety regulations associated with the Contract MFF Project.

Mr. Airhart also mentioned that the pre-bid conference includes a site visit, which will occur directly following this conference. Bidders will be allowed to take pictures

today. You may also set up an individual site visit by contacting Mr. Chris Connors at 703-227-0290 or send your request to the project email.

5. **<u>Bid Submittal Requirements:</u>** In explaining the Bid Form, Mr. Airhart stated that it includes an equipment schedule with named manufacturers. The Bidder is to circle one of the named manufactures that they propose to use for the Project and the Bid shall be based on products from one of those manufacturers.

Mr. Airhart explained that if the Bidders wish to submit a substitute manufacturer/supplier, the Bidder will need to identify the proposed substitute on the Bid Form along with the proposed deduct amount for the use of the proposed substitute manufacturer/supplier. If a substitute is proposed, the Bidder must submit all information itemized under paragraph 7 titled "Bidding of Major Equipment Schedule" to be considered.

Bidders are required to provide a bid security in the amount of five percent (5%) of the Base Bid as shown in Para 14 of Instructions To Bidders. The successful Bidder will be required to submit a performance and a payment bond as shown in Instructions To Bidders Paragraph 20.

- 6. **Submission of Bids:** Mr. Airhart explained that the Owner will open only those bids submitted in strict compliance with the Invitation to Bid and the Instructions to Bidders, pursuant to article 12. Please note that a copy of Paragraph 12.B can be filled out, cut out and affixed to the envelope to ensure you meet the specific requirements for your submission. Bids are required to have the Contractor's Virginia contractor's license number with expiration date and their Federal Employer ID number on the envelope in which the bid is submitted. If it is not there, the bid will be returned unopened and not considered. Any bids submitted after the deadline will be returned unopened. The clock on the wall is the official clock that will be used.
- 7. Insurance and Liability: Mr. John Airhart mentioned that all the General Conditions and Supplemental Conditions are very important. We are an Owner that reads our contracts, understands our contracts, and enforces our contracts, so all General Conditions and Supplemental Conditions are equally important even if not specifically mentioned. We are pointing out the following General Conditions because some contractors in the past have not read them. The thirty (30) days' notice cancellation language on the Accord document shall be according to the contractual requirements as outlined in article 59 of the General Condition. Insurance companies have at times said this cannot be done in the time allotted, but per UOSA experience, it can. This may require a modification to the awardees' insurance policy. Mr. Airhart let everyone know that by bidding on this project, the contractor is indicating that this will be done. Please also note that every insurance policy shall be effective on the contract execution date including BUILDERS RISK. UOSA General Condition 59 requires the insurance rating to meet or exceed an AM Best key rating guide of A-9 or higher. Bonding companies are required to be listed on the most current US Treasury Dept. Circular 570.

- 8. **Payment**: Mr. Airhart then talked about General Condition 103, Paragraph A.1 clearly indicates, "Except as provided below for bonds and insurance, acceptance by the Owner of the Schedule shall be a condition precedent to the obligation of the Owner to make any partial payment to the Contractor." We must have an accepted schedule before we make any partial payments, for anything other than bonds and insurance. This is extremely important.
- 9. **Disputes and Claims, Final Release of Liens and Final Payment and Acceptance:** Mr. Airhart clarified that the disputes and claims procedure is identified in General Conditions 104, 105 and 106 in the Contract Documents indicate, "Achieving Final Completion and satisfaction of all conditions precedent to the Final Payment shall be a condition precedent to the Contractor's entitlement to release of Retention." UOSA will not release the 5% retainage until after all requirements of the final acceptance have been completed.

Mr. Airhart advised everyone to please read the NOTICE clause under General Conditions 19 and 104, UOSA has specific requirements for Notices. These are Contract conditions.

10. <u>Contract Time:</u> Mr. Chris Connors then continued addressing the contract time is of the essence, hence the importance of scheduling on the Project. The Contractor is required to achieve Substantial Completion within 515 days of the Notice to Proceed and Final Completion within (90) days of Substantial Completion. These dates may be adjusted by Change Order pursuant to the Contract Provisions. By submitting a Bid, the Bidder acknowledges that the times set forth for the performance of the Work are reasonable and waives any objection.

11. Project Overview/Coordination:

Don Forgacs stated, Specification Section 01 11 00 Summary of Work provides a brief summary of the work, while the walk through will bring a better understanding of the project. The primary goal of this project is to Construct a new methanol storage and feed facility on the existing UOSA plant site. The work includes but is not limited to the construction of a new methanol unloading facility, new methanol storage and feed Building GG, and new methanol feed piping to existing Selector Basins 56/1 through 56/3 and to existing Selector Basins 56/4 through 56/7.

To tie the new facilities into the existing plant infrastructure, the work includes miscellaneous site civil work (excavation, grading, paving, curb and gutter, sidewalks), site electrical work (new electric duct banks and associated conduits), modifications to existing plant buried utilities, and modifications to the existing Thickening and Screening Building D/2 (structural modifications and modifications to electrical equipment, Fire alarm system, and UOSA DCS within Building D/2). Some electrical work is also required at the existing Primary Effluent Lift Stations 55/1 and 55/2 to provide power for methanol pipe heat tracing at the selector basins.

Erosion and sediment control provisions are enforced. UOSA is subject to a storm water permit on site which is as important as the effluent permit. Any sediment that runs off site, UOSA is obligated to monitor while violations may occur. Expectations for erosion and sediment control are clear within the Contract Documents, so please be aware. Another specification of interest is 01 31 13 Project Coordination. UOSA existing facilities need to remain operational while work is completed. UOSA needs to retain functional capabilities within the existing facilities during construction which is defined within this specification in phasing the work. The phasing will dictate when existing infrastructure can be taken out of service and for how long, how we start the work up, accept portions of the work, and the overall time period of the work.

A Geotechnical Report is provided as additional information along with the Contract Documents. This report is provided for information purposes only for the construction site and are not part of the Contract Documents.

- 12. **Deadline for Questions:** Chris Connors reminded everyone that the advertised Bid closing is March 30, 2023, at 2:00 PM. The deadline for questions is March 8 at 2:00pm. All questions should be emailed to: <u>contractMFF@uosa.org</u>. These questions with the answers will be distributed to all Official Bidding Document Holders as well as posted on the UOSA main website.
- 13. <u>Addenda:</u> Mr. Connors mentioned that no addendum has been issued as of today. However, should any addenda be issued, you must acknowledge on the Bid Form that all Addenda have been received. Again, all Official Bidding Document Holders will receive all Addenda issued.
- 14. **<u>Bid Opening</u>**: Mr. Connors reiterated that the Bid Opening is presently scheduled for Thursday, March 30, 2023, at 2:00 PM in the Sellman Meeting Center (this room) where all bids will be read publicly. Mr. Airhart pointed out the clock that will be used for timing.
- 15. **Questions?**: Mr. Connors opened the floor for any questions from potential Bidders and reminded them to state their name and company prior to asking their question. General comment (voice recording) Mr. Angelotti asked about contractors signing in.
- 16. <u>Adjourn:</u> The "sit-down" portion of the Pre-Bid Conference was concluded at 10:18AM.
- 17. <u>Site Visit:</u> Mr. Chris Connors to continue the meeting in the field with a site visit. We will be walking across the plant property.

Exhibit A: Sign-In Sheet

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