

October 19, 2026

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Addendum #2
TO THE CONTRACT DOCUMENTS
And other documents for the construction
of Phase 2 Nitrogen Removal Plus Other
Interim Process Improvements
UOSA Contract P2NR+

To: All Official Contract Document Holders

Attached for your use, please find a copy of the following documents:

1. Addendum #2 to UOSA Contract P2NR+

The supplemental information 2, 3 and 4 below are intended to clarify, not change, the terms, conditions, and scope of the Work

2. Interpretations and Clarifications
3. Minutes of the Pre-bid Conference
4. Sign-In Sheet for the Pre-Bid Conference

ISSUED BY:
Upper Occoquan Service Authority



Dustin Baker
Purchasing Manager

**ADDENDUM No. 2
to the
IFB 27-02 Contract Documents
for the construction of**

**Phase 2 Nitrogen Removal Plus Other
Interim Process Improvements**

**UOSA Contract P2NR+
Date: October 19, 2026**

To: All Official Bidding Document Planholders:

The following changes, additions, and/or deletions are hereby made part of the Contract Documents for the construction of Phase 2 Nitrogen Removal Plus Other Interim Process Improvements 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

1. **DELETE** Article 39.C.10 on page 14 of the General Conditions.

D. SPECIFICATIONS

1. **ADD** the following new Paragraphs 1.05.H and 1.05.H.1 after 1.05.G on page 5 of Specification Section 01 45 33, Special Inspection, Observation, and Testing:

“H. If the fabricator does not participate in the AISC Quality Certification Program and is not designated as an AISC-certified plant, Category STD shall be subject to special inspection. Such special inspections shall be required and performed only with the advance approval of the Structural Engineer of Record (EOR) and in accordance with the Fairfax County Special Inspection Program.

1. The cost of all required special inspections shall be the responsibility of the Contractor.”



2. **REPLACE** paragraph 1.07.L.3.a with the following on page 8 of Specification Section 01 50 00, Temporary Facilities and Controls:

“a. Contractor shall provide schedule 40 steel pipe or HDPE DR11 pipe to connect to the existing 16-inch flanged discharge elbow of two of the RAS pumps at RAS Pump Station 9/2.”

3. **REPLACE** paragraph 1.07.L.3.c with the following On page 8 of Specification Section 01 50 00, Temporary Facilities and Controls:

“c. The size of the temporary pipes shall be 18-inch nominal diameter.”

4. **ADD** attached Specification Section 05 52 16 (Attachment A), Aluminum Hand Railings to Volume 1 of the Contract Documents. Insert this specification after Specification 05 50 00, Metal Fabrications and before Specification Section 05 33 00, Metal Gratings.

5. **ADD** attached Specification Section 40 05 33 (Attachment B), Pipe Heat Tracing to Volume 2 of the Contract Documents. Insert this specification after Specification 40 05 15, Piping Support Systems and before Specification Section 40 27 00, Process Piping – General.

6. **REPLACE** the entire Table of Contents of Volume 1 and Volume 2 of the Contract Documents with the attached Table of Contents (Attachment C).

7. **DELETE** paragraph 1.06.B in its entirety on page 5 of Specification Section 09 90 00, Painting and Coating,.

8. **DELETE** paragraph 3.04.D.a in its entirety on page 11 of Specification Section 09 90 00, Painting and Coating,.

E. DRAWINGS

All replacement drawing files referenced below are available for download at the following link: <https://tinyurl.com/3aep52nh>.

By acknowledging receipt of Addendum No. 2 in its bid submission, the Bidder confirms that it has reviewed the linked drawings and successfully downloaded all applicable files. If you experience any difficulty accessing the files, please contact purchasing@uosa.org for assistance.

1. **REPLACE** Sheet 2 (G-02) with attached revised Sheet 2 (G-02)
2. **ADD** attached new Sheet 16A (G-27) after Sheet 16 (G-26) and before Sheet 17 (G-30).
3. **REPLACE** Sheet 25 (G-38) with attached revised sheet 25 (G-38).
4. **REPLACE** Sheet 42 (SP-15) with attached revised Sheet 42 (SP-15).
5. **REPLACE** Sheet 44 (SP-22) with attached revised Sheet 44 (SP-22).
6. **REPLACE** Sheet 45 (SP-60) with attached revised Sheet 45 (SP-60).
7. **REPLACE** Sheet 53 (SE-11) with attached revised Sheet 53 (SE-11).

8. **REPLACE** Sheet 54 (SE-12) with attached revised Sheet 54 (SE-12)
9. **REPLACE** Sheet 56 (SE-16) with attached revised Sheet 56 (SE-16).
10. **REPLACE** Sheet 57 (SE-17) with attached revised Sheet 57 (SE-17).
11. **REPLACE** Sheet 58 (SE-18) with attached revised Sheet 58 (SE-18).
12. **REPLACE** Sheet 59 (SE-22) with attached revised Sheet 59 (SE-22).
13. **REPLACE** Sheet 63 (E-03) with attached revised Sheet 63 (E-03).
14. **REPLACE** Sheet 64 (E-04) with attached revised Sheet 64 (E-04).
15. **REPLACE** Sheet 65 (E-05) with attached revised Sheet 65 (E-05).
16. **REPLACE** Sheet 71 (E-11) with attached revised Sheet 71 (E-11).
17. **REPLACE** Sheet 74 (E-14) with attached revised Sheet 74 (E-14).
18. **REPLACE** Sheet 75 (E-15) with attached revised Sheet 75 (E-15).
19. **REPLACE** Sheet 76 (E-16) with attached revised Sheet 76 (E-16).
20. **REPLACE** Sheet 78 (E-18) with attached revised Sheet 78 (E-18).
21. **REPLACE** Sheet 79 (E-19) with attached revised Sheet 79 (E-19).
22. **REPLACE** Sheet 81 (E-21) with attached revised Sheet 81 (E-21).
23. **REPLACE** Sheet 109 (6-M-02) with attached revised Sheet 109 (6-M-02).
24. **REPLACE** Sheet 111 (6-M-04) with attached revised Sheet 111 (6-M-04).
25. **REPLACE** Sheet 114 (6-E-01) with attached revised Sheet 114 (6-E-01).
26. **REPLACE** Sheet 133 (54-M-01) with attached revised Sheet 133 (54-M-01).
27. **REPLACE** Sheet 149 (55-S-01) with attached revised Sheet 149 (55-S-01).
28. **REPLACE** Sheet 151 (55-S-03) with attached revised Sheet 151 (55-S-03).
29. **REPLACE** Sheet 153 (55-E-02) with attached revised Sheet 153 (55-E-02).
30. **REPLACE** Sheet 169 (56-M-03) with attached revised Sheet 169 (56-M-03).
31. **REPLACE** Sheet 173 (56-M-07) with attached revised Sheet 173 (56-M-07).
32. **REPLACE** Sheet 178 (56-S-01) with attached revised Sheet 178 (56-S-01).
33. **REPLACE** Sheet 179 (56-S-02) with attached revised Sheet 179 (56-S-02).
34. **REPLACE** Sheet 180 (56-S-03) with attached revised Sheet 180 (56-S-03).
35. **REPLACE** Sheet 193 (58-E-01) with attached revised Sheet 193 (58-E-01).
36. **REPLACE** Sheet 219 (DDS-03) with attached revised Sheet 219 (DDS-03).
37. **REPLACE** Sheet 225 (DDH-02) with attached revised Sheet 225 (DDH-02).
38. **REPLACE** Sheet 229 (DDE-02) with attached revised Sheet 229 (DD-E-02).
39. **ADD** the following attached Reference Drawings to Volume 3 of the Contract Documents after Sheet 231 (DDE-04):
 - 67 - Phase B 74-P-1 – Aeration Basins - Structural

- 68 - Phase B 74-P-1 – Aeration Basins - Structural
- 69 - Phase B 74-P-1 – Aeration Basins - Structural
- 69.1 - Phase B 74-P-1 – Aeration Basins - Structural
- 69.2 - Phase B 74-P-1 – Aeration Basins - Structural
- 70 - Phase B 74-P-1 – Aeration Basins – Structural -Mech.
- 71 - Phase B 74-P-1 – Aeration Basins – Structural -Mech.
- SP-21 – UOSA Contract 54 – Mechanical – Site Piping Plan
- 5-S-3 – UOSA Contract 54 – Structural – Aeration Basins 5 Top Plan-East
- 5-S-4 – UOSA Contract 54 – Structural – Aeration Basins 5 Top Plan- West
- 5-S-5 – UOSA Contract 54 – Structural – Aeration Basins 5 Sections and Detail
- 5-S-6 – UOSA Contract 54 – Structural – Aeration Basins 5 Sections and Detail
- 5-S-7 – UOSA Contract 54 – Structural – Aeration Basins 5 Sections
- 5-S-8 – UOSA Contract 54 – Structural – Aeration Basins 5 Sections and Detail
- 5-S-9 – UOSA Contract 54 – Structural – Aeration Basins 5 Sections and Detail
- 5-S-10 – UOSA Contract 54 – Structural – Aeration Basins 5 Section and Details
- 5-S-11 – UOSA Contract 54 – Structural – Aeration Basins 5 Section and Details
- 5-M-1 – UOSA Contract 54 – Mechanical – Aeration Basins 5 Partial Plan-East
- 5-M-2 – UOSA Contract 54 – Mechanical – Aeration Basins 5 Partial Plan-West
- 5-M-3 – UOSA Contract 54 – Mechanical – Aeration Basins 5 Partial Plans
- 5-M-4 – UOSA Contract 54 – Mechanical – Aeration Basins 5 Partial Plans
- 5-M-5 – UOSA Contract 54 – Mechanical – Aeration Basins 5 Sections
- 5-M-6 – UOSA Contract 54 – Mechanical – Aeration Basins 5 Sections
- M-2 – RAS Pump Improvements – RAS Pump Station 9/2 – Mechanical Section and Details

ATTACHMENTS:

Attachment A – Specification Section 05 52 16

Attachment B – Specification Section 40 05 33

Attachment C – Table of Contents

End of Addendum No. 2

**SECTION 05 52 16
ALUMINUM RAILINGS**

PART 1 GENERAL

1.01 REFERENCES

A. The following is a list of standards which may be referenced in this section:

1. Aluminum Association, Incorporated (AA): DAF45, Designation System for Aluminum Finishes.
2. American Concrete Institute (ACI) 318, Building Code Requirements for Structural Concrete.
3. American Iron and Steel Institute (AISI).
4. ASTM International (ASTM):
 - a. A193/A193M, Standard Specification for Alloy-Steel and Stainless Steel Bolting for High Temperature or High Pressure Service and Other Special Purpose Applications.
 - b. A194/A194M, Standard Specification for Carbon and Alloy Steel Nuts for Bolts for High Pressure or High Temperature Service, or Both.
 - c. E894, Standard Test Method for Anchorage of Permanent Metal Railing Systems and Rails for Buildings.
 - d. E935, Standard Test Methods for Performance of Permanent Metal Railing Systems and Rails for Buildings.
 - e. E985, Standard Specification for Permanent Metal Railing Systems and Rails for Buildings.
5. International Code Council (ICC): International Building Code (IBC).
6. Occupational Safety and Health Act (OSHA): 29 CFR 1910, Code of Federal Regulations.

1.02 DEFINITIONS

- A. ICC Evaluation Services Report: ICC report on evaluation of manufactured concrete anchor systems.
- B. Railings: This term includes guardrail systems, handrail systems, platform railing systems, ramp-rail systems, and stair-rail systems. Railings may be comprised of a framework of vertical, horizontal, or inclined members, grillwork or panels, accessories, or combination thereof.
- C. Special Inspection: As defined by the ICC IBC.
- D. Toeboards: Vertical barrier at floor level usually erected on railings along exposed edges of floor or wall openings, platforms, or ramps to prevent miscellaneous items from falling through.

1.03 DESIGN REQUIREMENTS

- A. Structural Performance of Railing Systems: Design, test, fabricate, and install railings to withstand the following structural loads without exceeding allowable design working stress or allowable deflection. Apply each load to produce maximum stress and deflection in railing system components.
 - 1. Railing System: Capable of withstanding the following load cases applied:
 - a. Concentrated load of 200 pounds applied at any point and in any direction in accordance with ICC IBC and OSHA.
 - b. Uniform load of 50 pounds per linear foot applied in any direction in accordance with ICC IBC.
 - c. Concentrated load need not be assumed to act concurrently with uniform loads in accordance with ICC IBC.
 - 2. Toeboard: Capable of withstanding, without failure, force of at least 50 pounds applied in downward or outward direction at any point along toeboard.
 - 3. Calculated lateral deflection at top of posts shall not exceed 1 inch.

1.04 SUBMITTALS

A. Action Submittals:

- 1. Shop Drawings:
 - a. Project-specific scaled plans and elevations of railings and detail drawings. Include railing profiles, sizes, connections, anchorage, size and type of fasteners, and accessories.
 - b. Manufacturer's literature and catalog data of railing and components.
 - c. Design Data: Calculations or test data using specified design performance loads and including the following:
 - 1) Bending stress in, and deflection of, posts in accordance with ASTM E985 as modified herein.
 - 2) Design of post base connection.
 - 3) Documentation that concrete anchors have been designed in accordance with one of the following:
 - a) ACI 318, Chapter 17.
 - b) ICC Evaluation Services Report for selected anchor.

B. Informational Submittals:

- 1. Manufacturer's assembly and installation instructions.
- 2. Special Inspection: Manufacturer's instructions for Special Inspection of post-installed anchors.

3. Test Reports:
 - a. Test data may supplement load calculations providing data covers complete railing system, including anchorage:
 - 1) Test data for railing and components showing load and deflection as a result of load, in enough detail to prove railing is strong enough and satisfies national, state, local standards, regulations, code requirements, and OSHA 29 CFR 1910, using design loads specified. Include test data for the following:
 - a) Railing and post connections.
 - b) Railing wall connections.
 - c) Railing expansion joint connections.
 - 2) Testing of anchorages shall be in accordance with ASTM E894 and ASTM E935 using applied loads in accordance with ICC IBC.
 - 3) Deflection Criteria: In accordance with ASTM E985 and design loads specified, except as follows: maximum calculated lateral deflection at top of posts shall not exceed 1 inch.
 - 4) Aluminum Rail Piping: Test data showing yield strength of pipe as delivered equals or exceeds specified values.
 4. Manufacturer's written recommendations describing procedures for maintaining railings including cleaning materials, application methods, and precautions to be taken in use of cleaning materials.

1.05 QUALITY ASSURANCE

- A. Qualifications: Calculations required for design data shall be stamped by a registered civil or structural engineer licensed in the Commonwealth of Virginia.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Package and wrap railings to prevent scratching and denting during shipment, storage, and installation. Maintain protective wrapping to the extent possible until railing is completely installed.
- B. Delivery:
 1. Shop assemble into practical modules of lengths not exceeding 24 feet for shipment.
 2. Deliver toeboards loose for field assembly.
 3. Deliver clear anodized railing pipe and posts with protective plastic wrap.

1.07 ENVIRONMENTAL REQUIREMENTS

- A. Thermal Movements: Allow for thermal movement resulting from the following maximum range in ambient temperature in design, fabrication, and installation of railings to prevent buckling, opening up of joints, over stressing of components, connections and other detrimental effects. Base design calculation on actual surface temperature of material as a result of both solar heat gain and night time sky heat loss. Temperature change is difference between high or low temperature and installation temperature.
1. Temperature Change Range: 70 degrees F, ambient; 100 degrees F, material surfaces.

PART 2 PRODUCTS

2.01 ALUMINUM RAILINGS

- A. General:
1. Furnish pre-engineered and prefabricated railing systems as shown on the Drawings.
 2. Railing systems using pop rivets or glued railing construction are not permitted.
 3. Sand cast accessories and components are not permitted.
 4. Fasteners shall be AISI Type 316 stainless steel, unless otherwise noted.
- B. Rails, Posts, and Formed Elbows:
1. Extruded Alloy 6105-T5, 6061-T6, "or-equal."
 2. Tensile Strength: 38,000 psi, minimum.
 3. Yield Strength: 35,000 psi, minimum.
 4. Wall Thickness: 0.145 inch, minimum.
 5. Posts and railings shall be nominal 1-1/2-inch diameter (1.90-inch outside diameter).
- C. Accessories:
1. Fittings and Accessories:
 - a. Extruded, machined bar stock, permanent mold castings, or die castings of sufficient strength to meet load requirements.
 - b. Gauge metal components are not acceptable for load-resisting components.
 - c. Fittings shall match color of pipe in railings.
 2. Miscellaneous Extruded Aluminum Parts: Alloys 6063-T6, 6061-T6, or 6105-T5 aluminum, "or-equal," and of adequate strength for all loads.

3. Castings for Railings:
 - a. Cast Al-mag with sufficient strength to meet load and test requirements.
 - b. Anodizable grade finish with excellent resistance to corrosion when subjected to exposure of sodium chloride solution intermittent spray and immersion.
4. Post Anchorages:
 - a. Refer to standard details for types of post anchorages and minimum requirements.
 - b. Bolts at anchorages shall be minimum 1/2-inch diameter.
5. Wall Brackets: Adjustable wall fitting, with provision for minimum three 3/8-inch diameter AISI Type 316 stainless steel bolts or concrete anchors.
6. Rail Terminals (including Wall Returns): Aluminum wall fitting with provision for three 3/8-inch Type 316 fasteners.
7. Toeboards:
 - a. Molded or extruded Alloy 6063-T6 or 6061-T6 aluminum.
 - b. Provide slotted holes for expansion and contraction where required.
8. Fasteners: Stainless steel.

D. Finishes:

1. Pipe and Post: In accordance with AA DAF45, designation AA-M32-C22-A41.
2. Cast Fittings and Toeboards: In accordance with AA DAF45, designation AA-M10-C22-A41.

2.02 ANCHOR BOLTS, FASTENERS, AND CONCRETE ANCHORS

A. Locknuts, Washers, and Screws:

1. Elastic Locknuts, Steel Flat Washers, Round Head Machine Screws (RHMS): AISI Type 316 stainless steel.
2. Flat Washers: Molded nylon.

B. Bolts and Nuts for Bolting Railing to Metal Beams: ASTM A193/A193M and ASTM A194/A194M, Type 316 stainless steel.

C. Concrete Anchors:

1. Stainless steel, AISI Type 316.
2. Post-installed anchors shall be in accordance with Section 05 05 19, Post-Installed Anchors, unless otherwise specified herein.
3. Bolt Diameter: 1/2-inch, minimum.

2.03 FABRICATION

A. Shop Assembly:

1. Post Spacing: Maximum 6-foot horizontal spacing.
2. Railing Posts Bolted to Concrete:
 - a. In lieu of field cutting, provide approved fitting with sufficient post overlap, containing provisions for vertical adjustment.
 - b. Field fit-up is required.
3. Free of burrs, nicks, and sharp edges when fabrication is complete.
4. Welding is not permitted.

B. Shop/Factory Finishing:

1. Use same alloy for uniform appearance throughout fabrication for railings.
2. Railing and Post Fittings: Match fittings with color of pipe in railing.

C. Shop Assembly:

1. Shop assemble rails, posts, and formed elbows with a close tolerance for tight fit.
2. Fit dowels tightly inside posts.

D. Repair of Defective Work: Remove stains and replace defective Work.

PART 3 EXECUTION

3.01 GENERAL

- A. Field fabrication of aluminum railing systems is not permitted.
- B. Where required, provide railing posts longer than needed and field cut to exact dimensions required in order to satisfy vertical variations on actual structure.
- C. Install railing with base that provides plus or minus 1/4-inch vertical adjustment inside base fitting. If adjustment is required in field and exceeds plus or minus 1/4-inch, reduce post length not to exceed beyond bottom of lowest set-screw or bolt in base fitting.
- D. Modification to supporting structure is not permitted where railing is to be attached.
- E. Mount railings only on completed walkway. Do not support railings temporarily by means not satisfying structural performance requirements.

F. Protection from Entrapped Water:

1. Make provisions in exterior and interior installations subject to high humidity to drain water from railing system.
2. For posts mounted in concrete, bends, and elbows occurring at low points, drill weep holes of 1/4-inch diameter at lowest possible elevations, one hole per post or rail. Drill hole in plane of rail.

3.02 RAILING INSTALLATION

A. Assembly and Installation: Perform in accordance with manufacturer's written recommendations for installation.

B. Expansion Joints:

1. Maximum intervals of 54 feet on center and at structural joints, or as shown on the Drawings.
2. Slip joint with internal sleeve extending 2 inches beyond each side of joint. Provide 1/2-inch slip joint gap to allow for expansion.
3. Fasten to one side using 3/8-inch diameter set-screw. Place set-screw at bottom of pipe.
4. Locate joints within 12 inches of posts. Locate expansion joints in rails that span expansion joints in structural walls and floors supporting the posts.

C. Posts and Rails:

1. Surface Mounted Posts:
 - a. Bolt post baseplate connectors firmly in place.
 - b. Shims, wedges, grout, and similar devices for railing post alignment not permitted.
2. Set posts plumb and aligned to within 1/8 inch in 12 feet.
3. Set rails horizontal or parallel to slope of steps to within 1/8 inch in 12 feet.
4. Install posts and rails in same plane.
5. Remove projections or irregularities and provide a smooth surface for sliding hands continuously along top rail.
6. Use offset rail for use on stairs and platforms if post is attached to web of stringers or structural platform supports.
7. Support 1-1/2-inch rails directly above stairway stringers with offset fittings.

D. Wall Brackets: Support wall rails on brackets spaced maximum 5 feet on centers as measured on the horizontal projection.

E. Toeboard:

1. Provide at railings as shown on the Drawings, except where 4-inch or higher concrete curbs are installed, at gates, or at stairways unless shown otherwise.
2. Accurately measure in field for correct length; after railing post installation cut and secure to posts.
3. Dimension between bottom of toeboard and walking surface not to exceed 1/4 inch.
4. Install plumb and aligned to within 1/8 inch in 12 feet.
5. Attach toeboards to posts via clamp that complies with design requirements while facilitating expansion and contraction. Do not screw directly to post or base.

3.03 FIELD FINISHING

- A. Corrosion Protection: Prevent galvanic action and other forms of corrosion caused from direct contact with concrete and dissimilar metals by coating metal surfaces as specified in Section 09 90 00, Painting and Coating.

3.04 FIELD QUALITY CONTROL

- A. Post-installed anchors supporting railing systems require special inspection.
- B. Owner-Furnished Quality Assurance, in accordance with ICC IBC Chapter 17 requirements, is provided in the Statement of Special Inspections Plan on the Drawings. Contractor responsibilities and related information are included in Section 01 45 33, Special Inspection, Observation, and Testing.
- C. Contractor-Furnished Quality Control: Inspection and testing as required in Section 01 45 16.13, Contractor Quality Control.

3.05 CLEANING

- A. Wash railing system thoroughly using clean water and soap. Rinse with clean water.
- B. Do not use acid solution, steel wool, or other harsh abrasive.
- C. If stain remains after washing, restore in accordance with railing manufacturer's recommendations or replace stained railings.

END OF SECTION

**SECTION 40 05 33
PIPE HEAT TRACING**

PART 1 GENERAL

1.01 REFERENCES

A. The following is a list of standards which may be referenced in this section:

1. Factory Mutual.
2. Institute of Electrical and Electronics engineers, Inc (IEEE): 515, Testing, Design, Installation and Maintenance of Electrical Resistance Heat Tracing for Industrial Applications.
3. National Electrical Manufacturers' Association (NEMA): 250, Enclosures for Electrical Equipment (1000 Volts Maximum).
4. UL.

1.02 SUBMITTALS

A. Action Submittals:

1. Manufacturer's descriptive literature.
2. Plastic Pipe Installations: Output adjustment factors for heating tape for the services indicated.
3. Pipe heat loss calculations for each pipe size to be heat traced.

PART 2 PRODUCTS

2.01 SYSTEM DESIGN REQUIREMENTS

A. Design Heating Load:

1. Heating load to be calculated based upon a 75 degree F delta, 20 mph wind if pipes are located outdoors, insulation as specified in Section 40 42 13, Process Piping Insulation, pipe as specified in Section 40 27 00, Process Piping—General, and shall include a 10 percent safety factor.
2. Heat loss calculations shall be based on IEEE 515, Equation 1, Page 19.

2.02 ELECTRICAL HEATING TAPE

A. Cable: Self-limiting, parallel circuit construction consisting of continuous inner core of variable resistance conductive heating material between two parallel copper bus wires. Provide tinned copper braid for PVC, FRP, and stainless steel pipe applications.

- B. UL Listing: Listed as self-limiting pipe tracing material for pipe freeze protection application in ordinary conditions.
- C. Maximum Maintenance Temperature: 150 degrees F (65 degrees C).
- D. Maximum Intermittent Temperature: 185 degrees F (85 degrees C).
- E. Service Voltage: As indicated by branch circuits provided for heat tracing on the Drawings.
- F. Manufacturers and Products:
 - 1. Raychem; BTV-CR.
 - 2. Thermon; BSX.
 - 3. Nelson; CL1-J1 or L1-J1.

2.03 CONNECTION SYSTEM

- A. Rating: NEMA 250, Type 4 and Factory Mutual approved.
- B. Operating Monitor Light: Furnish with each circuit power connection kit to indicate when heat tracing is energized.
- C. Manufacturers and Products:
 - 1. Power Connection Kit:
 - a. Raychem; JBS-100.
 - b. Thermon; PCA-1-SR or DP-L.
 - c. Nelson; PLT-BC.
 - 2. Splice Kit:
 - a. Raychem; S-150.
 - b. Thermon; PCS-1-SR.
 - c. Nelson; PLT-BS.
 - 3. Tee Kit:
 - a. Raychem; T-100.
 - b. Thermon; DS-S.
 - c. Nelson; PLT-BY.
 - 4. End Seal Kit:
 - a. Raychem; E-150.
 - b. Thermon; DE-S.
 - c. Nelson; LT-ME.
 - 5. Lighted End Seal Kit:
 - a. Raychem; E-100-L.
 - b. Thermon; DLS.
 - c. Nelson; LT-L.

2.04 SECURING TAPE

A. Plastic Piping Systems:

1. Type: Aluminum foil coated adhesive tape.
2. Manufacturers and Products:
 - a. Raychem; AT-180.
 - b. Thermon; AL-20P.
 - c. Nelson; AT-50.

B. Metallic Piping Systems:

1. Type: Glass or polyester cloth pressure sensitive tape.
2. Manufacturers and Products:
 - a. Raychem; GS54 or GT66.
 - b. Thermon; PF-1.
 - c. Nelson; GT-6 or GT-60.

2.05 PIPE MOUNTED THERMOSTAT

- A. Type: Fixed, nonadjustable, set at 40 degrees F.
- B. Sensor: Fluid-filled with 3-foot capillary.
- C. Enclosure: Glass-filled nylon, NEMA 250, Type 4X weatherproof with gasketed lid.
- D. Switch: SP-ST, UL listed, rated 22 amps, 120V ac to 240V ac.
- E. Manufacturers and Products:
 1. Raychem; DigiTrace Model AMC-F5.
 2. Thermon; E4X-1.
 3. Raychem; DigiTrace Model E507S-LS for hazardous areas.
 4. Thermon; E7-25325 for hazardous areas.

2.06 AMBIENT THERMOSTAT

- A. Type: Adjustable setting (15 degrees F to 140 degrees F).
- B. Sensor: Fluid-filled probe.
- C. Enclosure: Epoxy-coated NEMA 250, Type 4X aluminum enclosure with exposed hardware of stainless steel.
- D. Switch: SP-DT, UL or FM listed, rated 22 amps, 125V ac to 250V ac.

E. Manufacturers and Products:

1. Raychem; DigiTrace Model AMC-1A.
2. Thermon; B4X-15140.
3. Raychem; DigiTrace Model AMC-1H for hazardous areas.
4. Thermon; B7-15140 for hazardous areas.

PART 3 EXECUTION

3.01 INSTALLATION

A. General:

1. Install in accordance with the manufacturer's instructions and recommended practices.
2. Provide insulation as specified in Section 40 42 13, Process Piping Insulation, over all pipe heat tracing.
3. Ground metallic structures or materials used for support of heating cable or on which it is installed in accordance with applicable codes.
4. Wiring between power connection points of heat tracing cable branch lines shall be provided by heat tracing system supplier.
5. Provide end of circuit pilot lights on heat tracing circuits for buried piping.

B. Electrical Heating Tape:

1. Determine required length of electrical heating tape by considering length of circuit, number and type of fittings and fixtures, design heating load, and heating tape output.
2. Where design heating load exceeds heating tape capacity, install by spiraling.
3. Derate heating tape capacity when installed on plastic piping.
4. Install on services as follows:

Service	Piping Material	Placement	Location
2W	Copper	Exterior	Secondary Clarifier Spray Water

5. Install additional heating tape at bolted flanges, valves, pipe supports, and other fittings and fixtures as recommended by supplier, but not less than the following:

Item	Heating Tape Length (min. feet)
Bolted flanges (per pair)	Two times pipe diameter
Valves	Four times valve length
Pipe hanger or support penetrating insulation	Three times pipe diameter

- C. Heat Tracing Circuits: Limit individual lengths of heat tracing circuits such that maximum single circuit capacity is 20 amps when starting the circuit at 40 degrees F. Provide multiple 20-amp circuits as required at individual heat tracing locations.
- D. Thermostats:
1. Install in accordance with manufacturer's instructions and as approved by Engineer.
 2. For each group of heat traced circuit, install one ambient thermostat.

3.02 FIELD QUALITY CONTROL

- A. Test each circuit with 500-volt insulation tester between circuit and ground with neutrals isolated from ground.
1. Insulation Resistance: Minimum 1,000 megohms per 1,000 feet.

END OF SECTION

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VOLUME 3

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END OF SECTION

Pre-Bid Request for Information and Clarification, P2NR+			
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.			
October 19, 2026			
Question No.	Reference (Spec/Dwg)	Question	Response
RFI-001	G-26 (Sht 16) Electrical Legend-2: SE-09 thru SE-28 (Shts 51-60	G-26 shows "LUMINAIRE AND POLE, SEE SCHEDULE" and "WALL MOUNTED LUMINAIR, SEE SCHEDULE", but no luminaire/light fixture schedule was located anywhere in Volume 3 of 3 (231 sheets). SE-09 keynote 2 names one fixture inline (Streetworks Galleon GAN-AF-03-LED-8-T2-BZ-1200). Please issue the luminaire schedule, or confirm in writing that the GAN-AF-03-LED-8-T2-BZ-1200 is the only fixture type in the contract and that no interior luminaires are being furnished by the electrical subcontractor.	Luminaire GAN-AF-03-LED-8-T2-BZ-1200 is NOT the only fixture type in the contract. Luminaires are specified on Drawings 55-E-02, 56-E-01, 56-E-02, 56-E-06, and 56-E-09 for the exterior lighting on each structure that is to be replaced. In addition, Luminaires are specified on Drawings SE-09, SE-10, SE-15, SE-16, and SE-22 for sight lighting to be replaced. However, the lighting shown to be replaced on 6-E-01 for clarifiers 6/5 and 6/6 is not identified. The lights for Secondary Clarifiers 6/5 and 6/6 shall be CREE OSQL-C-22L-40K7-4M-EL-NM-BZ WITH MOUNTING BRACKET OSQ-ML-C-AA-BZ and the light poles shall be HUBBELL SSS-H-10-40-A-1-S2-DB. General Note 2 on Drawing 6-E-01 will be revised per a forthcoming addendum as follows: "PROVIDE NEW LIGHT, LIGHT POLE, AND RECEPTACLE IN PLACE OF EXISTING. NEW LIGHT FIXTURE SHALL BE CREE OSQL-C-22L-40K7-4M-EL-NM-BZ WITH MOUNTING BRACKET OSQ-ML-C-AA-BZ. NEW LIGHT POLES SHALL BE HUBBELL SSS-H-10-40-A-1-S2-DB AND SHALL BE 10-FOOT TALL AND 4-INCH SQUARE." Drawing V1-A-01 indicates that the luminaires in the Control Room, Work Station, Bathroom, and Vestibule are to be salvaged. Sheet Keynote 1 on Drawing V1-X-01 indicates that the existing lights are to be salvaged, protected, and reinstalled. Therefore, new lights are not required for this location. No luminaire schedule has been or will be provided.
RFI-002	SE-09 thru SE-28 (Shts 51-60), Keynote "REPLACE EXISTING LIGHTING FIXTURE ON EXISTING LIGHT POLE"	Please confirm the total number of existing light poles receiving a replacement fixture, by sector. The keynote is repeated on multiple sector sheets with no quantity given, and the pole locations overlap between adjoining sector plans at the matchlines.	The Contractor is responsible for takeoff of quantity for light fixtures to be replaced. The pole locations do not overlap between sector plans and the matchlines. However, direct buried conduit and conductors associated with the site lighting replacement does extend from one sector to another at matchlines.
RFI-003	SE-09 (Sht 51) General Note 1	General Note 1 says to match existing site lighting conduit and conductor ("existing conduit is 1/2 inch with 2#12, 1#12G") while keynote 2 requires new conduit and conductors from Building B/1 to the conduit outside the pole foundation. Please confirm the new home-run conduit size and conductor size/quantity NOVA is to carry, and whether 1/2 inch is acceptable to the new runs.	For the site lighting fed from Load Center No. 1 in Building B/1, The new direct buried conduit is to be 1/2-inch and the conductors shall be 2#12 and 1#12G to match what is existing as indicated in General Note 1 on Drawing SE-09. For the site lighting fed from Load Center No. 2 in Building E/1, the new direct buried conduit is to be 1/2-inch and the conductors shall be 2#10 and 1#10G as indicated in General Note 1 on Drawing SE-10. Conduits and conductors are continued on to SE-16 and the sizes should continue from SE-10. Per a forthcoming addendum, a 3rd General Note will be added on drawing SE-16 stating "FOR SITE LIGHTING CONTINUED FROM DRAWINGS SE-10 AND FED FROM LOAD CENTER NO. 2 IN BUILDING E/1, MATCH EXISTING CONDUIT AND CONDUCTOR SIZE. EXISTING CONDUIT IS 1/2-INCH WITH 2#10 AND 1#10G." For the site lighting fed from Building Load Center No. 8 in Building V/1, the new direct buried conduit is to be 3/4-inch and the conductors shall be 2#10 and 1#10G as indicated in General Note 1 on Drawing SE- 22. Conduits and conductors are continued on to SE-16. For the site lighting fed from DP17A in Load Center No. 17 in the pipe gallery of Selector Basins 56/4 thru 56/7, the new direct buried conduit is to be 3/4-inch and the conductors shall be 2#10 and 1#10G as indicated in General Note 1 on Drawing SE- 15. Conduits and conductors are continued on to SE-16. Per a forthcoming addendum, General Note 1 on Drawing SE-16 will be revised as follows: "FOR SITE LIGHTING CONTINUED FROM SE-15 AND SE-22 AND FED FROM LOAD CENTER NO, 17 IN THE PIPE GALLERY OF SELECTOR BASINS 56/4 THROUGH 56/7 AND FROM LOAD CENTER NO. 8 IN BUILDING V/1 RESPECTIVELY, MATCH EXISTING CONUDIT AND CONDUCTOR SIZE. EXISTING CONDUIT IS TO BE 3/4-INCH AND THE CONDUCTORS SHALL BE 2#10 AND 1#10G."
RFI-004	Set as delivered (DRAWINGS_FULL-set.pdf, 231 sheets)	The drawing set provided is a scanned/rasterized PDF with no text layer (produced through Bluebeam). Please issue the original Vector PDF of Volume 3 of 3.	There is no original Vector PDF of the drawings. The signed and sealed PDFs of the drawings were created directly from a CADD program.
RFI-005	Volume 3 of 3 title sheet (G-01, Sht 1); Div 26 Electrical Spec Provided	Only Volume 3 of 3 (Drawings) and a Division 26 Electrical specification were issued to Nova. Please issue Volumes 1 and 2 (or at a minimum, Division 00/01 General Requirements, and Divisions 27, 28, and 33 if any are in the electrical scope.	It is the responsibility of the General Contractors who have purchased the Contract Documents to provide the relative documents to their subcontractors.
RFI-006	E-16 thru E-19 (Shts 76-79) Panelboard Schedules	Fourteen of the twenty panelboard schedules are marked "BOLD INDICATES NEW WORK" on existing panels. Please confirm that Nova's scope on those panels is limited to the bold circuits (New breaker, conductors and connection) and that no panel interior or bus replacement is required.	The scope of electrical work associated with the existing Panelboards is limited to the bold items show the associated panelboard schedules (i.e. new breaker, conductors, and connections. No panel interior or bus replacement is anticipated.
RFI-007	E-19 (Sht 79) Panel DP24A Schedule	Panel DP24A is scheduled with BUS SIZE 225A but the MAIN SIZE field is blank. Please confirm the main device (MLO is listed under MAIN TYPE).	Bus size is confirmed to be 225A. However, there is no main breaker and there are Main Lugs Only (MLO).
RFI-008	E-16 (Sht76) Panel LP-L1B schedule	On LP-L1B the right-hand CKT NO. column reads 8, 10 and 24 opposite left-hand circuits 19, 21 and 23, instead of the expected 20, 22 and 24. Please confirm the correct circuit numbering, and confirm which circuit the SPD is landed on.	The correct circuit numbering is 20, 22, and 24 and not 8. 10, and 24. Panelboard schedule for LP-L1B on Drawing E-16 will be revised accordingly per a forthcoming addendum.

RFI-009	E-11 thru E-15 (Shts 71-75) Block Diagrams; I-21 (Sht 98) Wiring Diagrams;I-30 (Sht 99) Network Block Diagram	Please confirm the division of responsibility between electrical subcontractor and the instrumentation/SCADA supplier for: PLC panel furnishing and installation (E-25), field instrument wiring and terminations, fiber and Category 6 network cabling, and radio panels (RCP-xx) shown on the panelboard schedules.	PLC panels LCP-B-1 and LCP-V-1 are shown with double asterisks on drawing I-30. Per General Note 2 on Drawing G-30, items shown with double asterisks ate to be provided under Division 16, Electrical. Therefore, the electrical subcontractor shall be responsible for supplying and installing these panels. Field instruments specified under specification 40 90 10 Process Instrumentation and Control Systems (PICS) shall be provided and installed by the PICS subcontractor. However, field instrument wiring is supplied by electrical subcontract while termination of control wiring is to be done by the PICS subcontractor See Spec Section 40 90 10 paragraph 1.03.F.1.f. Fiber and Category 6 network cabling shall supplied and installed by the electrical subcontractor and the PICS subcontractor is responsible for termination per Specification Section 40 90 10 paragraph 1.03.F.1.f. The Owner supplied Radio Panels (RCP-XX) shall be installed by the PICS subcontractor per Specification Section 40 90 10 Process Instrumentation and Control Systems (PICS) paragraph 1.03.B.1.d, k, and l.
RFI-010	G-32 the G-38 (Shts 19-25) Sequencing and Constraints Subprojects A, B, C-1, C-2, C-3	Please confirm the expected construction duration and the sequence in which Subprojects A, B and C will be released, and identify any electrical work that must be performed outside normal working hours or under a plant outage (the facility is an operating water reclamation plant).	The schedule included on page 2 of the Invitation for Bid and page 2 of the CONTRACT indicate contractual durations to obtain Substantial Completion for Subprojects A, B, and C and subsequent Final Completion of the entire project. Please refer to that schedule or the CONTRACT for this information. As for the sequencing of the various subprojects, all subprojects can begin concurrently from the Notice to Proceed (NTP) of the project in accordinace with the Contractor's approved schedule. However, the sequence for completing tasks included in each subproject must adhere to the constraints specified. The Contractor is responsible for developing his own construction schedule based on these specified sequence and constraints. There is no electrical work that is specified by the documents to be completed outside of normal working hours. However, if performing such work outside of normal working hours benefits the Project, it will be subject to the Owner's approval in accrodance with the Requirments of the Contract Documents. There will not be any plant wide outages associated with this work since the plant must remain in operation. However, there will be outages of portions of the plant to accommodate the work required to be completed while overall plant operation is maintained. These outages, for the most part, are identified in the specified constraints. Other outages of specific portions of the plant requested by the Contractor will be
RFI-011	E-X-03, E-X-04 (Shts46-47) E-X-09 the E-X-11 (Shts 48-50; B1-X-01 (Sht 200)	Please confirm responsibility for demolition and disposal of the existing load center No. 1 and No.8 gear and MCC sections, including any required PCB/Hazardous material handling, testing and disposal documentation.	The Contractor is responsible for demolition and disposal of the existing electrical gear and MCC sections in Load Centers No. 1 and No. 8 including any required PCB/Hazardous material handling, testing, and documentation. If the Contractor suspects that an item contains hazardous material the Contractor shall verify the hazardous material through testing and dispose of it properly. Per Specification Section 02 41 00 DEMOLITION, paragraph 3.05.D, " <i>The Contractor shall verify whether demolition debris is considered to hazardous waste per local, state, and federal laws, rules and regulations and shall submit results of applicable testing and copies of waste manifests prior to removal of the demolition debris from the site .</i> "
RFI-012	Set Index (G-02, Sht2)	No fire alarm sheet appear in the set index, and no FA scope is shown on the electrical sheets. Please confirm that there is no fire alarm work in this contract.	There is no fire alarm work associated with this contract work.
RFI-013	Specification 44 42 44 para. 2.06.D.1.a	44 42 44 – Secondary Clarifier Mechanism, subsection 2.06.D.1.a. makes a reference to Section 05 52 16 – Aluminum Railings. I have not been able to locate that spec section for the railings. Can you please provide it?	The specification section 05 52 16 -Aluminum Railings will be added via a forthcoming addendum.
RFI-014	Specification 44 42 44 para. 2.14	44 42 44 – Secondary Clarifier Mechanism, subsection 2.14 calls for ¼” thick aluminum sections are to be use for the effluent weir & scum baffles. Would FRP be an acceptable material of construction for the effluent weir & scum baffles in lieu of aluminum, assuming the specified 316SS anchors & hardware is still used?	The use of FRP as the material of construction for the effluent weir and scum baffles is NOT acceptable as a substitute for the specified aluminum components.
RFI-015	Specification 40 05 33	Specification Section 40 05 33, Pipe Heat Tracing, is referenced in the Table of Contents, however this section is missing from the bid documents package. Please provide or confirm heat tracing not applicable.	The Specification Section 40 05 33 will be added via a forthcoming addendum.

RFI-016		Referencing drawings SP-09 through SP-22, multiple buried valves are to be replaced. Please provide depth of bury for each existing valve	Valve SP-09-2W-06 on SP-09: IE of adjoining pipe approximately 207.50 and finished grade approximately 211.00 Valve SP-10-2W-05 on SP-10: IE of adjoining pipe approximately 204.00 and finished grade approximately 207.00 Valve SP-10-1W-01 on SP-10: IE of adjoining pipe approximately 202.00 and finished grade approximately 206.5 Valve SP-10-1W-05 on SP-10: IE of adjoining pipe approximately 202.00 and finished grade approximately 206.5 Valve 56-V-150 on SP-15: IE of adjoining pipe approximately 203.25 and finished grade approximately 210.00 Valves 56-V-105, 106, and 107 on SP-15: IE of adjoining pipe approximately 199.00 and finished grade approximately 209.50 Valve 15-2W-08 on SP-15: IE of adjoining pipe approximately 199.00 and finished grade approximately 209.50 The depth of bury for the 12 V405 valves shown near the bottom of Dwg SP-15 can be seen on drawing SP-60. Valve SP-16-2W-03 on SP-16: IE of adjoining pipe approximately 204.70 and finished grade approximately 209.75 Valve SP-22-1W-01 on SP-22: IE of adjoining pipe approximately 204.00 and finished grade approximately 209.00 Valve SP-22-2W-04 on SP-22: IE of adjoining pipe approximately 204.70 and finished grade approximately 209.00 Valve SP-22-2W-07 on SP-22: IE of adjoining pipe approximately 201.50 and finished grade approximately 208.00 Valve SP-22-2W-10 on SP-22: IE of adjoining pipe approximately 202.30 and finished grade approximately 207.50 Note that the above pipe and finished grade elevations are approximate based on existing record drawing information.
RFI-017		Referencing Detail 1 on DWG SP-60, is EBAA 3800 Mega-Coupling acceptable for ACP to DIP transition couplings?	The EBAA 3800 Mega-Coupling utilizes restraining lugs to clamp down on the outside diameter of the pipes that it is coupling together. The existing ACP pipe will not be able to tolerate this external pressure and will damage the existing piping upon trying to install the proposed coupling. Therefore, The EBAA 3800 Mega-Coupling would NOT be acceptable for the ACP to DIP transition coupling.
RFI-018		Referencing the Yard Piping Plan drawings, please confirm existing pipelines can be isolated for tying new piping into existing and replacing existing valves, or confirm hot taps are required.	Existing buried isolation valves exist in the buried water piping system(s) allowing sections of the buried water piping to be isolated to accommodate the various buried valve replacements.
RFI-019		Referencing Section A on SP-60, please confirm IE of 36”/48” ALP pipe is 214.00 +/- and that the IE 314.00 is an error.	The IE of the 36"/48" ALP pipe is 214.00+/- . This will be corrected via forthcoming addendum.
RFI-020		Referencing DWG SP-15, at bottom center of sheet it states “matchline, see DWG SP-21.” This sheet was omitted from the original bid package. Please provide or confirm reference is erroneous.	Drawing SP-21 was not provided because no permanent work in that sector is to be done as part of this project. UOSA contract 54 record drawing SP-21 will be provided per a forthcoming addendum, as a reference drawing to show where Aeration Basins 5/7 thru 5/10 are located on the site. The reference "Matchline, See DWG SP-21" at the bottom center of DWG SP-15 will be revised to "Matchline, See Reference DWG SP-21".
RFI-021		Referencing DWG SP-22, please clarify scope at the following callout: “Top of pipe 2” SPD (PVC) EL = 200.03”	There is no scope of work associated with this call out. This callout will be removed per a forthcoming addendum
RFI-022		Referencing DWGs 6-M-02 and 6-M-04, please clarify limits for application of heat trace and insulation to the 2” 2W piping.	Detail 2 on drawing 6-M-02 will be modified per forthcoming addendum and will identify limits for heat tracing and insulation.
RFI-023		Referencing DWGs 6-M- series, please confirm pipe material requirements for the 2” and ¾” 2W piping associated with the spray system. The pipe schedule in spec 40 27 00 states stainless where shown on drawings, however there are no callouts on these drawings for stainless, therefore copper is assumed. Please confirm.	The existing copper pipe extending from below grade will transition to stainless steel pipe associated with the spray system. Detail 2 on drawing 6-M-02 will be modified per forthcoming addendum and will show this transition.
RFI-024		Referencing Detail 1 on DWG 6-M-04, there is a callout stating “2-inch V306 at hose connection, typ of 4 clarifiers.” Per DWG 6-M-01 and specification section 01 11 00 (Summary of Work), the mechanical work at the clarifiers is limited to Secondary Clarifiers 6/5 and 6/6. Please confirm the “typ of 4 clarifiers” is a mistake and new piping at secondary clarifiers is limited to Secondary Clarifiers 6/5 and 6/6.	It is confirmed that mechanical work for the secondary clarifiers is limited to clarifiers 6/5 and 6/6. Detail 1 on Drawing 6-M-04 will be revised per a forthcoming addendum.
RFI-025		Referencing DWG 6-M-04, Sheet Keynote #3 states “installation is similar to existing clarifiers 6/1, 6/2, 6/3, and 6/4”. Please confirm that this project does not include any new work at these referenced clarifiers.	The project does not include any new mechanical work at clarifiers 6/1, 6/2, 6/3, and 6/4. However, there is new electrical and I&C work to be completed at all 10 secondary clarifiers 6/1 thru 6/10.
RFI-026		Referencing DWG 54-M-01, Sheet Keynote #5 refers to Detail 4091-690. This detail was omitted from the bid package. Please provide.	The callout to Detail 4091-690 is incorrect. It should be 4091-304B (Sim). This will be corrected per a forthcoming addendum.
RFI-027		Referencing DWG 56-M-03, at Sluice Gate #56-GS-108, there is a callout for Keynote #3, which pertains to 8” butterfly valve. This appears to be an incorrect Keynote number. Please clarify.	The reference to Keynote No. 3 for the sluice gates is incorrect and should instead refer to Keynote No. 5. This discrepancy will be corrected in a forthcoming addendum.
RFI-028		Please clarify if an Owner's trailer is required.	An Owner's trailer is not required.
RFI-029		Task C9 requires installation of temporary bypass piping from RAS Pump Station 9/2 to the influent end of Aeration Basins 5/7 through 5/10. Drawings for Aeration Basins 5/7 through 5/10 are not provided in the original contract drawings. Please provide scaled drawings for the Aeration Basin 5/7 through 5/10. Please also provide drawing sections for the RAS Pump Station 9/2 that show where the connections for the temporary bypass piping will be made.	Record Drawings for existing Aeration Basins 5/7 thru 5/10 and a Section view of RAS Pump station 9/2 will be provided per a forthcoming addendum as a reference drawing. Specification Section 01 50 00 - Temporary Facilities and Controls paragraph 1.07.L.3 describes the temporary bypass piping and indicates that the temporary piping shall be connected to the existing 16-inch flanged discharge elbow of two of the RAS pumps at RAS Pump Station 9/2. This is referring to the first pump discharge elbow that is exposed above the structure that turns the pump discharge piping from vertical to horizontal. It also states that coordination with the owner will be required to determine to which RAS pumps to connect the temporary piping and to which aeration basin to discharge into.

RFI-030		Please confirm that the Owner will be responsible for operating and monitoring the RAS Pump Station 9/2 pumps during the temporary bypass in Task C9.	Per Specification Section 01 50 00- Temporary Facilities and Controls paragraph 1.07.L.4, the Owner will be responsible for the operation of the RAS pumps at RAS Pump station 9/2 during the temporary bypass piping operation.
RFI-031		There are several locations in the drawings and under spec section 01 50 00, 1.07.I that list the structures that need to be dewatered, cleaned, and sludge disposed. Spec section 01 31 13, 1.08.B.5 also states that solids of sewage will be present and the Contractor is to determine the exact quantities and dispose of the materials offsite. Given the unknown nature of the contents, any bid would contain speculation for the amount to be removed. For the purposes of the bid, please establish a stipulated quantity of remaining debris that all bidders should assume will require removal from secondary clarifiers 6/5 and 6/6, aeration basins 5/1 through 5/10, RAS pump station 9/1, secondary effluent collection box 35/1, PELS 55/1 and 55/2, selector basins 56/1 through 56/7, secondary clarifier dewatering pump station 59/1, and mixed liquor splitter box 70/1. Please also provide the dry ton weight and sample analysis for each structure so this can be priced up appropriately. A Contingency allowance budget added to the bid form also seems to be a good option in order to ensure the owner only pays for the sludge and grit that needs to be disposed.	Contractor shall assume temporary dewatering provisions are to be provided to dewater each facility with discharge to locations on site that are to be approved by UOSA. In most cases, solids of sewage origin (Sludge) that may have settled in each facility should be able to be diluted by the Contractor with water used during cleaning of the structure and pumped by the temporary dewatering provisions to the discharge locations approved by UOSA. In cases where the sludge cannot be diluted and pumped out, the Contractor will need to remove the sludge and haul it to a location that is on site and approved by the Owner. Any other debris/trash, not associated with the process stream, that might be remaining in a facility after dewatering will be the responsibility of the Contractor to dispose of offsite. Based on this it is not anticipated that any solids of sewage origin will be hauled offsite and only minimal other debris/trash would need to be disposed of offsite by the Contractor. A contingency allowance budget will not be added to the bid form.
RFI-032		Regarding construction trailers, please confirm the available tie-in locations for utilities (power/potable water/sewer/communications).	The abandoned utilities tie-in are used by prior contractors and available for P2NR+ project at the location shown on the drawings. UOSA does not guarantee that they are fully serviceable. Bidder is to verify field conditions.
RFI-033		The bid form currently lacks a provision for the retention to be held in an escrow account. In accordance with Code of Virginia § 2.2-4334. , 'Deposit of certain retained funds on certain contracts with local governments; penalty for failure to timely complete,' this project qualifies for the use of an escrow account for retainage. Please confirm if this is the case, and if so, update the bid form and/or contract documents to include the option to execute this provision.	This is not a project covered by the requirement of an escrow as itemized in Section A of Virginia Cade § 2.2-4334. Furthermore, it is a project specifically excluded from the escrow requirement by Section C.
RFI-034		Please confirm if a virtual bid opening link will be provided.	There will not be a virtual bid opening. The bid tab may be requested immediately following the in-person opening.
RFI-035		Reference General Conditions, item 39.C states that there is an Escrow Agreement that is part of the Contract Documents, but this is not provided. Please provide this document.	See response to Question RFI-033 above. GC 39.C.10, Escrow Agreement, will be deleted by a forthcoming addendum.
RFI-036		For Appendix D, the projects submitted for the Qualifications of Bidders, requests both original and final contract value for each referenced project. Please confirm that the project's final contract value may be used to meet the minimum construction contract values stated in Part D of the Bid Form (\$20M for General Experience and \$25M for Specialized Wastewater Rehabilitation Experience)	Final Project Value would be used for each referenced project for the qualification of the bidders
RFI-037		Will the concrete repairs identified on sheet 6-S-01 & 56-S-01 be covered by the \$75,000.00 concrete repair allowance? If not can you provide a quantity and scope to be covered in the base bid?	Yes, the concrete repairs identified on sheet 6-S-01 & 56-S-01 will be covered by the \$75,000.00 concrete repair allowance based on the joint field review of cracks with Owner/Engineer and Contractor.
RFI-038		Can you please provide the manufacturer and model number, or approximate weight, of the existing Primary Effluent Lift Pumps identified for removal on Sheet 55-X-02?	The screw pumps are Internalift Screw pumps manufactured by US Filter (Job # 52000839). The model numbers are not available. UOSA has had to remove several of these pumps just recently for repairs. The current main barrels that are pulled with the upper bearing housing installed (and some water inside) are around 22,000lbs according to the crane operator. He had around 2,000lbs of rigging and his total lifts were around 24,000-25,000lbs. There is another 3-4,000lbs of motor and gearbox that was not included in these lifts.
RFI-039		Has a hazardous materials survey been conducted for the existing structures and equipment affected by the work? If so, please provide the report. If not, will a survey be required before work begins, and who will be responsible for obtaining it?	A Hazardous Material Survey was completed for the buildings and structures associated with this project. The survey report is included in the Site and Existing Facilities Information dated August 2026, which was provided to all plan holders for informational purposes only. Bidders shall refer to Instructions to Bidders, Paragraph 5D, regarding the use and applicability of this information.
RFI-040		Please confirm whether any electrical equipment identified for removal under this contract contains hazardous materials, such as PCBs, asbestos, or mercury. If so, please identify the affected equipment.	The Hazardous Material Survey that was conducted did not cover live electrical equipment. Therefore it is not known if the existing electrical panels, switchgear, MCCs, transformers, etc. contain any PCBs, asbestos, or mercury. The Contractor is responsible for demolition and disposal of the existing electrical equipment identified to be demolished including any required Hazardous material handling, testing, and documentation. If the Contractor suspects that an item contains hazardous material the Contractor shall verify the hazardous material through testing and dispose of it properly. Per Specification Section 02 41 00 DEMOLITION, paragraph 3.05.D, <i>"The Contractor shall verify whether demolition debris is considered to hazardous waste per local, state, and federal laws, rules and regulations and shall submit results of applicable testing and copies of waste manifests prior to removal of the demolition debris from the site. "</i>

RFI-041		Referencing drawings 56-M-01 through 56-M-08, please confirm no new ALP piping is required and the ALP scope at the Selectors is limited to replacement of the (3) 8” valves shown on DWG 56-M-04.	No new ALP piping is required and the scope at the selectors associated with the ALP is limited to replacement of the (3) 8" valves shown on Drawing 56-M-03 and 56-M-04.
RFI-042	The following questions are for the temp bypass piping part of Task C9 from the RAS Pump Station 9/2 to the Aeration Basins 5/7 through 5/10:	Please provide an overall scaled site plan	An overall scaled site plan will not be provided. A reference drawing SP-21 that shows the location of the Aeration Basins 5/7 thru 5/10 will be provided per a forthcoming addendum. Reference Drawing SP-21 adjoins contract Drawings SP-15 and SP-22. The Contractor can utilize these drawings for planning purposes.
RFI-043	The following questions are for the temp bypass piping part of Task C9 from the RAS Pump Station 9/2 to the Aeration Basins 5/7 through 5/10:	Please provide drawings SD-21 and SP-21. It is assumed that the Aeration Basins 5/7 through 5/10 are shown on these drawings	A reference drawing SP-21 that shows the location of the Aeration Basins 5/7 thru 5/10 will be provided per a forthcoming addendum. Reference Drawing SP-21 adjoins contract Drawings SP-15 and SP-22. The Contractor can utilize these drawings for planning purposes. SD-21 is not required since no demolition activities are anticipated in this sector.
RFI-044	The following questions are for the temp bypass piping part of Task C9 from the RAS Pump Station 9/2 to the Aeration Basins 5/7 through 5/10:	Reference spec 01 50 00, 1.07.L.3.b and d: Paragraph b requires discharge at the influent end of Aeration Basins 5/7 through 5/10, while paragraph d states the Owner will determine which aeration basins receive the discharge. Please confirm the number of basins bidders should provide discharge connections to (two or all four).	The two temporary RAS bypass pipes from RAS Pump Station 9/2 will discharge to two (2) of the four (4) aeration basins (5/7, 5/8, 5/9, or 5/10). Each temporary bypass pipe shall discharge to a separate aeration basin. The specific aeration basins to receive the temporary RAS flows will be determined during construction in coordination with the Owner based on operational requirements at that time. Therefore, the Contractor shall coordinate with the Owner to identify the designated discharge locations prior to implementing the temporary bypass system.
RFI-045	The following questions are for the temp bypass piping part of Task C9 from the RAS Pump Station 9/2 to the Aeration Basins 5/7 through 5/10:	Spec 01 50 00, 1.07.L states that the minimum pipe size of 12" diameter can be used. Please confirm that 12" to 16" SCH40 steel piping can convey the required RAS flow during the bypass period. If a larger diameter size is required, please state the size the bidder should carry.	The temporary pipe size shall be 18-inch diameter. Per a forthcoming addendum, Specification Section 01 50 00 paragraph 1.07.L.3.c will be revised as follows: <i>"1.07.L.3.c. The size of the temporary pipes shall be 18-inch nominal diameter ."</i>
RFI-046	The following questions are for the temp bypass piping part of Task C9 from the RAS Pump Station 9/2 to the Aeration Basins 5/7 through 5/10:	Please clarify the required RAS flow that needs to be conveyed by this bypass (average and maximum) and if 12" to 16" SCH40 steel piping can support the flow that is anticipated.	The required maximum RAS flow from each pump is 9 MGD. Therefore pipe diameter for the temporary piping between RAS Pump Station 9/2 and Aeration Basins 5/7 thru 5/10 needs to be 18-inch diameter to deliver this flow from the RAS pumps.
RFI-047	The following questions are for the temp bypass piping part of Task C9 from the RAS Pump Station 9/2 to the Aeration Basins 5/7 through 5/10:	Please confirm if the temp bypass piping can be changed to HDPE DR11 pipe and steel/ductile fitting instead of the Schedule 40 steel pipe. HDPE DR11 is 200psi pressure rated.	This would be acceptable. Per a forthcoming Addendum, Specification Section 01 50 00 paragraph 1.07.L.3.a will be revised as follows: <i>"1.07.L.3.a. Contractor shall provide schedule 40 steel pipe or HDPE DR11 pipe to connect to the existing 16-inch flanged discharge elbow of two of the RAS pumps at RAS Pump Station 9/2. "</i>
RFI-048A		On dwg sheet 91-M-01, sheet 119, it appears there may be two separate sizes referenced: 12” & 14”	The discharge pipe from RAS Pump No. 1 transitions from 12" to 14" just after the pump. The discharge pipe from RAS pumps No. 4 and No. 5, immediately after the pump, is 12" but a transition elbow is shown in Section on Drawing 91-M-02 that transition the pipes from 12" to 14".
RFI- 048B		Can you please provide clarification/confirmation on the pipe size for the magnetic flowmeters show in the list below? (The list is located at the end of this document)	Detail 1 on Drawing 56-M-01 shows the line size to be 3" upstream and downstream of each of the following magnetic flowmeters: FE/FIT 31-21-3, FE/FIT 31-22-3, FE/FIT 31-21-4, FE/FIT 31-22-4, FE/FIT 31-21-5, FE/FIT 31-22-5, FE/FIT 31-21-6, FE/FIT 31-22-6, FE/FIT 31-21-7, and FE/FIT 31-22-7
RFI-049		Is there an overall budget for this project? If so, can that be shared for bid purposes?	Project is fully funded.
RFI-050		The bid package allows for either a physical delivery or electronic delivery of the bid. Will the bid opening be in-person only, or will there be a streaming/online option for the bid opening?	There will not be a virtual bid opening. The bid tab may be requested immediately following the in-person bid opening.
RFI-051		Is there a wage scale requirement on this project?	No specific wage rate requirements are identified in this project. However, the Contractor shall be responsible for complying with all applicable Commonwealth of Virginia labor laws, wage requirements, and regulations governing the performance of the Work.
RFI-052		Are there any Buy American or similar requirements on this project? If so, please advise the applicable FAR clause.	There is not any Buy American or similar requirements on this project. However, specified items typically name acceptable manufacturers/suppliers with the project designed around the "A" named manufacturer/supplier. Substitutions to any named manufacturer/supplier must be submitted and approved by the Engineer and Owner.
RFI-053		Are there any small business, disadvantaged business, or similar requirements on this project?	No project-specific small business, disadvantaged business, or similar subcontracting participation requirements are identified. Bidders shall review and comply with all applicable federal, state, and local requirements.
RFI-054		Please confirm that if any unforeseen tariffs, taxes, or other price factors that could not have been quantified or taken into account at bid time are announced after the bid, the contractor will be afforded an opportunity to adjust their pricing as necessary to include these costs.	The Contract Documents do not provide for price adjustments due to unforeseen tariffs or other price-related factors not accounted for at the time of bid. Regarding taxes, refer to Instructions to Bidders, Paragraph 10.
RFI-055		Can the sign-in sheet from the site visit be shared?	Pre-Bid Sign-in sheet will be attached with forthcoming addenda.
RFI-056		Please provide the manufacturer(s) of the existing electrical equipment (switchgear, switchboards, panelboards, etc.) that will need to be modified.	The majority of existing electrical equipment and panels associated with the P2NR+ Project are Square D products.

RFI-057		Are any areas on the project classified as confined spaces or hazardous areas? If so, please define these areas.	The following areas included but not limited requiring confined-space entry procedures: • All electrical low-voltage (LV), high-voltage (HV), and control manholes. • Pit areas and all channels at PELS 55/1 and 55/2. • The Selector Basins and associated effluent channel. • The 57/1 pit area. • All Aeration basins. • All clarifiers. • The Structure 70 well area. • The Structure 35 well area. • The structure containing Sluice Gates such as 55-GS-100. Hazardous area: Follow OSHA requirements. Regardless of any information furnished by the Owner, each Bidder remains responsible for conducting its own due diligence and evaluating site conditions as they relate to access and safety. Any information provided by UOSA regarding confined spaces or hazardous areas is provided as courtesy information only and should not be relied upon as a complete or comprehensive identification of such conditions for the Bidder’s safety program.
RFI-058		Notes in the specs (e.g., 26 05 33, paragraph 3.04.B) and notes on the drawings (e.g., DDH-01, Detail 2309-101, Note 2) refer to an Area Classification and Materials Selection Table in the General drawings. We cannot locate this table. Please advise.	The Area Classification Table will be added to the General Drawings per a forthcoming addendum.
RFI-059		Panel schedules are provided for new panels DP-P8AB(2) and LP-L8AB(2), but they do not appear on the one-lines. Please advise.	Panelboard DP-P8AB(2) and LP L8AB(2) are located in Building 58/3 Biofoam Pump Station No. 3. DP-P8AB(2) is fed from Panelboard P8AB which is why it is not shown on the onelines for Load Center No. 8.
RFI-060		Drawing 58-E-01 shows transformer TX-58-L8AB2 as a new transformer replacing an existing one in the same location. No size is given for this transformer. Please advise.	Per a forthcoming addendum, Note 2 on Drawing 58-E-01 will be updated to include transformer size and Drawing E-14 will be updated to show transformer and primary/secondary conduits being used
RFI-061		Drawing 6-E-01 shows new light fixtures at the clarifiers. General Note 2 says to provide a new fixture in place of the existing. No schedule is provided, nor any information on these fixtures. Please advise.	The lights for Secondary Clarifiers 6/5 and 6/6 shall be CREE OSQL-C-22L-40K7-4M-EL-NM-BZ WITH MOUNTING BRACKET OSQ-ML-C-AA-BZ and the light poles shall be HUBBELL SSS-H-10-40-A-1-S2-DB. General Note 2 on Drawing 6-E-01 will be revised per a forthcoming addendum as follows: "PROVIDE NEW LIGHT, LIGHT POLE, AND RECEPTACLE IN PLACE OF EXISTING. NEW LIGHT FIXTURE SHALL BE CREE OSQL-C-22L-40K7-4M-EL-NM-BZ WITH MOUNTING BRACKET OSQ-ML-C-AA-BZ. NEW LIGHT POLES SHALL BE HUBBELL SSS-H-10-40-A-1-S2-DB AND SHALL BE 10-FOOT TALL AND 4-INCH SQUARE."
RFI-062		Drawing E-12 shows disconnect switches for 6-M-005 and 6-M-006, but no size is indicated. Sizes also do not show on the floor plans on 6-E-01. Also, these disconnect switches do not appear on the one-line on E-04. Please advise.	The disconnect switches are 30A. Drawing E-04 will be updated per a forthcoming addendum to show the disconnect sizes for 6-M-005 and 6-M-006.
RFI-063		Drawing E-14 shows disconnect switches for 55-M-102 and 55-M-104, but no size is indicated. Sizes also do not show on the floor plans on 55-E-02. Also, these disconnect switches do not appear on the one-line on E-04. Please advise.	The disconnect switches are 100A. Drawing E-04 will be updated per a forthcoming addendum to show the disconnect sizes for 55-M-102 and 55-M-104.
RFI-064		Drawing E-15 shows disconnect switches for 55-M-106 through -111, but no size is indicated. Sizes also do not show on the floor plans on 55-E-04. Also, these disconnect switches do not appear on the one-line on E-05. Please advise.	The disconnects and sizes are shown on drawing 55-E-04. Drawing E-05 will be updated per a forthcoming addendum to show the disconnect and sizes.
RFI-065		The Building 55 drawings (55-E-02 through -04) do not indicate the environmental conditions of this space. Please advise.	The Area Classification Table will be added to the General Drawings per a forthcoming addendum.
RFI-066		The Building 56 drawings (56-E-01 through -09) do not indicate the environmental conditions of this space. Please advise.	The Area Classification Table will be added to the General Drawings per a forthcoming addendum.
RFI-067		Drawing 70-E-01 does not indicate the environmental conditions of this space. Please advise.	The Area Classification Table will be added to the General Drawings per a forthcoming addendum.
RFI-068		Drawing E1-E-01 does not indicate the environmental conditions of this space. Please advise.	The Area Classification Table will be added to the General Drawings per a forthcoming addendum.
RFI-069		Drawing V1-E-01 indicates the electrical room is nonhazardous, indoor, dry, but the environmental conditions of the remaining areas on this drawing are not indicated. Please advise.	The Area Classification Table will be added to the General Drawings per a forthcoming addendum.
RFI-070		Drawing V1-E-02 does not indicate the environmental conditions of this space. Please advise.	The Area Classification Table will be added to the General Drawings per a forthcoming addendum.
RFI-071		Electrical ductbank details 2605-400b and -400c show a copper ground conductor in the ductbank. No size is given for this ground conductor. Please advise.	Per a forthcoming addendum detail 2605-400b and 400c will be revised to delete the copper ground conductor at the top of the ductbank.
RFI-072		Drawings E-01 and E-02 show 15kV Feeders 3 and 4 being replaced. No size information is given for these feeders. Please advise.	These feeders are 3#350KCMIL 5kV, 1#2G. Per a forthcoming addendum, Sheet Keynotes 1 and 2 will be revised on Drawings SE-11, SE-12, SE-16, SE-17, and SE-22 and Sheet Keynote 1 will be revised on Drawing S-18.
RFI-073		Drawing E-01 shows the feeder from SWGR-2A to MCC-1A as new. No size information is given for this feeder. Please advise.	Feeder size information is shown on Drawing E-11.
RFI-074		Drawing E-01 shows the feeder from SWGR-2B to MCC-1B as existing to remain. Please confirm that the intent is to reuse this existing feeder instead of providing a new one.	These feeders were replaced in a recent project and do not require new conductors to be installed as part of this project.

RFI-075		Drawing E-11, at MCC8C/MCC8D, motors V-M-005, V-M-004A, V-M-004B, and 09-M-090 are shown as new, but these are all shown as existing to remain on the one-line on E-04. Please confirm whether these motors are new or existing to remain.	Per a forthcoming addendum, Drawing E-11 will be updated to shown V-M-005, V-M-004A, V-M-004B, and 09-M-90 as existing.
RFI-076		Drawing E-11, at Load Center 1, the feeder from MCC-1A to Primary Sludge PS No. 1 Panel P1C(1) is shown with the tag P44. The Circuit Callout Schedule on G-26 only goes up to P43. Please advise.	Per a forthcoming addendum, Drawing E-11 will be updated to show the feeder sizes from MCC-1A to P1C(1) and from MCC-1B to P1B(1).
RFI-077		Drawing E-11, at Load Center 1, there are feeders shown from MCC2A and 2B to MCC1A and 1B respectively. Please confirm these should be from SWGR-2A and -2B instead.	Per a forthcoming addendum, Drawing E-11 will be updated to show that the feeders to MCC-2A and MCC-2b are fed from SWGR-2A and SWGR-2B.
RFI-078		Please confirm that on the electrical drawings, items shown in lightweight are existing to remain. Also please confirm that where the conduit size is shown lightweight and the cable is shown bold (e.g, Drawing E-14, Primary Effluent Pump Station 55/1), that signifies new cable in existing conduit.	Correct. Electrical items shown in a screened-back (lightweight) format indicates existing equipment to remain. Conduits shown in a screened-back (lightweight) format with conductors shown in bold indicate existing conduits that will be reused with new conductors installed.
RFI-079		Regarding Task A1, B1, and C1, please confirm that the 4-hour outage will isolate the pipes and any existing gates upstream and downstream the replacement valves and connections can be reasonably relied on for isolation. If not, please clarify if bidder is to include line stops to isolate.	Existing buried isolation valves exist in the buried water piping system(s) allowing sections of the buried water piping to be isolated to accommodate the various buried valve replacements. The 4 hour outage for each valve replacement will begin once the isolation has been established. Per Specification Section 01 31 13 paragraph 1.08.B.4 the Contractor is solely responsible for all isolation provisions necessary to accomplish the Work and that when available the Owner's existing isolation provisions are available and can be used. However, the Owner cannot warrant or guarantee the condition of any existing isolation provisions and the Contractor shall test existing isolation provision in conjunction with the Owner prior to depending on them. It is up to the Contractor whether or not to include line stops in his bid.
RFI-080		To allow the bidders sufficient time to thoroughly review the drawings and specifications and obtain complete subcontractor and supplier pricing, we kindly request the bid due date deadline to be extended by two weeks along with the deadline to ask bidders questions.	See Addendum No. 1 dated 10/8/26. Bidding time is extended from October 22, 2026 to November 04,2026.
RFI-081		Task A4, PELS 55/2, element B states to demo and replace the FRP butterfly valves associated with the odorous air piping. This does not seem to be present in PELS 55/2 but looks to be present in PELS 55/1. Please confirm.	The demolition of the FRP butterfly valves associated with the odorous air piping at 55/2 actually shows on the Drawings for 56/4 thru 56/7 Drawing 56-X-06.
RFI-082		Task B3, RAS Pump Station 9/1, constraint 2 says that the pump station and secondary clarifiers 6/1 through 6/4 will be shutdown for 2 consecutive workdays for temporary isolation provisions to isolate RAS Pump No. 1 and RAS Pump No. 4 from the influent flow into the RAS Pump Station 9/1. Please confirm that during this shutdown and for the duration of the work associated with pump no. 1 and pump no. 4, that no flow from the Flotation Thickener Effluent Return and Over flow from the Flotation Building Float well will enter the influent channel.	The Flotation Thickener Effluent Return and Overflow from the Flotation Building Float well are no longer in service and have been abandoned in place as part of a previous project. Therefore, no flow from these pipes should be entering RAS pump Station 9/1.
RFI-083		Task B6 says that the Aeration Basin Dewatering PS will be shutdown for 8 hours which is the upstream isolation. Please confirm if there will be isolation provided downstream as well for the valves to be replaced.	The 8" DE pipe is connected to the 24" Emergency Retention Pond Return (ERPR) pipe in the yard. This is a force main from the Emergency Retention Pond (ERP) Pump Station delivering ERP return water to the headworks of the plant. There are existing isolation valves in the 24" ERPR line at the headworks area and the ERP Pump station. However, Per Specification Section 01 31 13 paragraph 1.08.B.4 the Contractor is solely responsible for all isolation provisions necessary to accomplish the Work and that when available the Owner's existing isolation provisions are available and can be used. The Owner cannot warrant or guarantee the condition of any existing isolation provisions and the Contractor shall test existing isolation provision in conjunction with the Owner prior to depending on them.
RFI-084		Task B7, there are no drawings provided for the replacement of these valves for Aeration Basins 5/7 through 5/10. Please provide the applicable drawings.	These valves are shown on drawing SP-15 and section A on drawing SP-60.
RFI-085		Task C8, element I says to isolate and dewater the northernmost 36" RAS pipe to the RAS Influent Channel. What is the method of isolation that is required? Will the owner be stopping flow by closing a valve or does the Contractor provide a plug?	There are Isolation gates in the influent channel of Selector Basins 56/1 thru 56/3 and a buried isolation valve in the yard where the 36" RAS pipe in question connects to the 36" RAS pipe from RAS Pump Station 9/2 and the inlet Channel of Selector basins 56/4 thru 67/7 that can be utilized to isolate the northernmost 36" RAS pipe connected to the RAS influent Channel for Selector Basins 56/1 thru 56/3. However, Per Specification Section 01 31 13 paragraph 1.08.B.4 the Contractor is solely responsible for all isolation provisions necessary to accomplish the Work and that when available the Owner's existing isolation provisions are available and can be used. The Owner cannot warrant or guarantee the condition of any existing isolation provisions and the Contractor shall test existing isolation provision in conjunction with the Owner prior to depending on them.
RFI-086		For PELS 55/1 and 55/2 on drawing 55-M-04 and 55-M-07, at the effluent end, what is the expected water elevation in the channel? Will temporary isolation be required during the removal of the pumps?	The water surface elevation in the effluent channel from the PELS pumps is approximately 221.50. The PELS Pump effluent channels for both 55/1 and 55/2 need to remain in service for the PELS pumps that will remain in service. Therefore, no temporary isolation will be required in these channels.

RFI-087		For 70/1 Mixed Liquid Splitter Box, can the flow entering this structure be stopped or isolated during the demo and new work of the gates? If not, please clarify if a temporary isolation is required.	ML flow from Aeration basins 5/1 thru 5/3 can be isolated via an existing sluice gate in the channel upstream of 70/1. Similarly, ML flow from Mixed Liquor Splitter Box 70/2 can be isolated via an existing sluice gate in Mixed Liquor Splitter Box 70/2. In addition, Secondary Clarifiers 6/5 and 6/6 will be out of service for work while work is being done in 70/1. However, Per Specification Section 01 31 13 paragraph 1.08.B.4 the Contractor is solely responsible for all isolation provisions necessary to accomplish the Work and that when available the Owner's existing isolation provisions are available and can be used. The Owner cannot warrant or guarantee the condition of any existing isolation provisions and the Contractor shall test existing isolation provision in conjunction with the Owner prior to depending on them.
RFI-088		Task B4, constraints 4, 5, 6, and 7 states that Secondary Clarifiers 6/1, 6/2, 6/3, and 6/4 will be shutdown for the demo of the gates, respectively. However, based on the plan view, it looks like the gates 5-GS-9,10,11,12 are connected to the effluent channel. Will temporary isolation be required in the channel for the gate demo or will the Aeration Basins be shutdown for the demo of the gates?	There are existing weir gates between the effluent channel of Aerations basins 5/1 thru 5/3 and the drop boxes where sluice gates 5-GS-9, 10, 11, and 12 are located. These weir gates can be utilized to isolate flow going into each drop box. However, Per Specification Section 01 31 13 paragraph 1.08.B.4 the Contractor is solely responsible for all isolation provisions necessary to accomplish the Work and that when available the Owner's existing isolation provisions are available and can be used. The Owner cannot warrant or guarantee the condition of any existing isolation provisions and the Contractor shall test existing isolation provision in conjunction with the Owner prior to depending on them.
RFI-089		Please provide section details for the Aeration Basins 5/1 through 5/3.	Record Drawings for existing Aeration Basins 5/1 thru 5/3 will be provided per a forthcoming addendum as reference drawings.
RFI-090		For Task C9, temporary bypass piping from RAS Pump Station 9/2 over to Aeration Basins 5/7 to 5/10, will require the temp piping to cross roadways across from 9/2. Please confirm that this is acceptable and approved.	A temporary closure of a portion of the roadway immediately north of RAS Pump Station 9/2 will be expected to facilitate installation of the temporary bypass piping. It is anticipated that this roadway outage will be necessary as part of the Work. However, prior to performing this work, the Contractor shall submit a traffic control and rerouting plan and coordinate the proposed roadway closure with the Owner in accordance with the requirements of the Contract Documents (such as Specification Section 01 50 00).
RFI-091		Please confirm that backflow is not anticipated for 35/1 Secondary Eff Collection Box from the Rapid Mix structure.	Secondary Effluent Collection Box 35/1 distributes flow to the Rapid Mix Structure. After opening sluice gates 35/GS/34, 35, 36, and 37 and dewatering the structure as indicated in Task C10 element B and C, the pipe from Secondary Effluent Collection Box 35/1 to the Rapid Mix Structure will also be dewatered. Therefore, no backflow from the Rapid Mix Structure into 35/1 should occur.
RFI-092		Please clarify if the temporary plug in the 42" pipe connected to sluice gate 35-GS-34 can be done at the beginning of the 3-week outage as mentioned in constraint 3 of Task C10	The temporary plug associated with the 42" pipe connected to 35-GS-24 must be installed as part of the 8-hour outage discussed in constraint 2 for Task C10 so that the west side chemical treatment facilities can be placed back into service, after dewatering 35/1, to prevent flow from going back into 35/1 so that the rest of the work in 35/1 can be completed.
RFI-093		Please confirm that apart from the temporary dewatering pump that is placed at the influent end on the east side, by the 30" influent from SC #4, there is no other bypass pumping that is required for the work to be done at the 35/1 Secondary Eff Collection Box.	At the time 35/1 is being dewatered by the Contractor all sluice gates at 35/1 should be open and the contractor will be dewatering not only the 35/1 but also the piping to and from it. The Constraints limit the outage of the East Side Chemical Treatment Facilities and Secondary Clarifiers 6/1 thru 6/4 to preform the work in 35/1 to one consecutive 3 week period. During that time frame no flow will be going to 35/1. Therefore, no bypass pumping will be required during that time frame.
RFI-094		Specification 26 05 02-1.05 does not include the environmental condition for the 56/1-56/3 Selectors Pipe Gallery. Please provide this area classification.	The Area Classification Table will be added to the General Drawings per a forthcoming addendum.
RFI-095		Please confirm the anticipated Notice to Proceed.	Notice to Proceed (NTP) schedule will be subject to the bidding results, Board approval, Contractor's submittal of required Documents.
RFI-096		Regarding construction trailers, please confirm the available tie-in locations for utilities (power/potable water/sewer/communications).	The utility tie-in points are located at the former trailer area and were previously used by a prior contractors. Bidders shall independently investigate and verify the availability, adequacy, and suitability of these utilities for their field office needs. The Owner makes no representation or warranty regarding the condition, capacity, or serviceability of the existing utility connections.
RFI-097		Please advise if there are any American Iron and Steel or domestic material requirements.	No project-specific American Iron and Steel (AIS) or domestic material requirements are identified. The Contractor shall comply with all applicable laws, regulations, and Contract requirements.
RFI-098		Please advise if there are any wage rate requirements for the project.	No specific wage rate requirements identified in this Project. Bidders shall review and responsible for complying with all applicable federal, state, and local labor and wage laws and regulations.
RFI-099		Please advise of any DBE Participation Goals for the project.	No project-specific DBE participation goals or requirements are identified in the project. The Contractor shall comply with all applicable state and local laws and regulations.
RFI-100		Please advise of the estimate for the project and if the budget will permit funding to be available in order to move forward into a contract.	Project is fully funded.
RFI-101		Please advise of the leadtimes given to the Owner/Engineer for the major equipment, including those requiring factory testing. Please also advise of the submittal leadtimes.	The Owner and Engineer do not have committed and written equipment lead times, factory testing schedules from vendors, or submittal review durations. The Bidder is responsible for obtaining this information directly from manufacturers and suppliers and incorporating it into its bid and project schedule.
RFI-102		Please confirm if there are any Hazardous Materials known at the site and if a HazMat Survey is required for the project.	Refer to the Report of Site and Existing Conditions information dated August 2026 provided with the Bid Documents. Refer to response to RFI 039 above.
RFI-103		Given the long-leadtime nature of the fabrication and delivery of the major process equipment and electrical gear, the anticipated construction schedule appears lean. Kindly, we counsel that consideration be given to an extension to the contract duration.	No change to the Contract Time is being made. Bidders shall account for anticipated equipment procurement and delivery lead times in preparing their bids and construction schedules. Any request for an extension of Contract Time following award will be governed by the applicable provisions of the Contract Documents.
RFI-104		Please confirm if CAD drawings will be made available to the selected contractor following the bid period.	CAD drawings are not part of the Contract Documents. If provided to the successful Contractor, their use shall be at the Contractor's sole risk and subject to the provider's disclaimer.
RFI-105		Please advise of the permits needed to be obtained by the Contractor.	The Owner has obtained the required regulatory permits, including the building permit. Refer to General Conditions 64 and Supplement Conditions 64D for permits that are the Contractor's responsibility, including applicable trade permits.

RFI-106		Please advise if the critical, pre-negotiated, or sole-source equipment will be provided with a bond-ability letter.	Bond-ability letters for critical, pre-negotiated, or sole-source equipment will not be provided.
RFI-107		Please advise on a list of representatives and contact information for the specified process equipment vendors.	The names of specified process equipment vendors/manufactures/suppliers is in the specifications. It is the Contractor's responsibility to identify contacts with these companies.
RFI-108		For Task C8, constraint 3 says that the RAS Pump Station 9/1 will be shutdown for 4-hour period to install the temporary isolation plug into the southernmost 36" RASP Pipe at the RAS Influent Channel. It does not state during which shutdown element C, installation of the temporary isolation provisions in the RAS Influent Channel to isolate the area of the RAS Influent Channel where the new hydrocyclone feed pumps, will be installed needs to be completed. Please clarify if another shutdown will be provided to install the temporary isolation from element C.	Once the isolation plug is installed in the 36" RAS pipe from RAS Pump Station 9/1, Selector Basins 56/1 thru 56/3 and the Selector Basin and the RAS influent channel are out of service and the channel can be dewatered and the work in item C can be accomplished.
RFI-109		Task C8 lists Task Elements O and P, but no constraint addresses them. Please confirm: (1) that O and P are performed within the single-selector outage of Constraint 1; (2) whether the downstream side of effluent gates 56-GS-109/111/113 will remain in service while each gate is removed, and if so, what isolation the Owner will provide or what isolation is expected from the Contractor; (3) that the 36-inch ML pipe at 56-V-108/109/110 is out of service and drained before the blind flanges are installed.	1) Task C8 elements O & P should be completed during the associated outages for each selector basin. 2) The aeration basin down stream of each gate 56-GS-109/111/113 will not be in service and must be dewatered when dewatering the associated selector basin. This will also dewater and take out of service the buried box conduit that is connected downstream of each gate. 3) The 36" ML pipe will need to be dewatered prior to removing the existing 36" butterfly valves and installing the new 36" blind flanges. The contractor will need to coordinate with UOSA prior to doing this since the 36" ML pipe is connected to the Mixed Liquor Splitter Box on the east side of Aeration Basins 5/4 thru 5/6. A temporary plug might be needed in the 36" ML pipe at the Mixed Liquor Splitter Box to keep the pipe dewatered during this work.
RFI-110		Tasks C4 and C7 allow a 14-day building outage at 54/1 and 54/2, provided the other station is in service. Per I-9, 54/1 serves Primary Clarifiers 4/1 and 4/2 only, and 54/2 serves 4/3 only, with no interconnection shown. During each outage, will the Owner take the affected primary clarifiers out of service, or is the Contractor to provide temporary sludge pumping	The affected primary clarifiers are assumed to be taken out of service during these 14 day outages. The Contractor is not expected to provide temporary sludge pumping during the 14 day outages.
RFI-111		Task C8, the southernmost 36-inch RAS pipe is plugged in Element B and not removed until Element F, after Elements D and E are done. Please clarify that during the work for Elements D and E, that no contractor temporary bypass is required from the RAS PS 9/1.	Temporary bypass of the RAS flow from RAS Pump Station 9/1 is not anticipated. RAS flow from 9/1 can be redirected to the influent channel of Selector Basins 56/4 - 56/7 through buried 36" RAS piping in the yard.
RFI-112		Task C9, drawing I-7 shows the RAS influent channel at 56/4–56/7 fed from both RAS PS 9/1 and 9/2, but Element A bypasses only 9/2. Please clarify how 9/1's flow will be re-directed?	It is intended that Task C9 be performed after Task C8 is complete. Once Task C8 is complete RAS flow from 9/1 can be directed to Selector basins 56/1 - 56/3 by utilizing isolation valves in the yard. The constraint to complete Task C8 prior to beginning Task C9 will be added to Task C9 per a forthcoming addendum.
RFI-113		Drawing 55-X-01, Keynote 1 and Task A10, Element B demolish PELS 55/1 influent gate 55-GS-100, with no replacement shown. The gate does not appear on drawing I-10 or I-11. Please confirm that (1) that 55-GS-100 is permanently removed and the 48-inch PE inlet left open at the remaining wall thimble; (2) Per Constraint 1, the outage of aeration basins 5/1 through 5/6 and secondary clarifiers 6/1 through 6/4, and RAS PS 9/1 to dewater PELS 55/1 will prevent any flow from entering the structure in order to demo gate 55-GS-100 from both the north and south end 48" influent pipes.	1) Yes, gate 55-GS-100 is to be demolished and not replaced and the 48-inch PE pipe left open at the remaining wall thimble. 2) A sluice gate in the influent channel of PELS Pump Station 55/1 will also need to be closed to isolate flow from entering the PE pipe connected to gate 55-GS-100. This combined with the Constraint 1 of Task A10 will prevent flow from entering the structure.
RFI-114		For all facilities requiring dewatering under Section 01 50 00, Paragraph 1.07.I, please clarify whether this liquid may be returned to the plant, with only sludge and grit disposed off-site, or whether all drained liquids need to be hauled off-site as well.	Refer to the response to RFI 031 above.
RFI-115		Section 01 50 00, 3.I.1 lists Aeration Basins 5/1 through 5/10 among the structures that "will need to be dewatered as part of the Work." For Aeration Basins 5/1 through 5/3, the work that requires dewatering would be for drop boxes only for the gates 5-GS-9 through 12 demo. Confirm that the entire aeration basins don't need to be dewatered. For Aeration Basins 5/4 through 5/6, the work associated is for the ALP piping. Confirm that these entire aeration basins don't need to be dewatered.	For Aeration Basins 5/1 - 5/3 the drop boxes for gates 5-GS-9 through 12 will need to be dewatered and the channel at the discharge of gates 5-GS-6, 7, and 8 will also need to be dewatered. The entire Aeration Basins 5/1 -5/3 do not need to be dewatered for this work. As for Aeration Basins 5/4 -5/6, they do not need to be dewatered for the replacement of the valves in the ALP pipe work. However, each basin will need to be dewatered when the associated selector basin discharge channel sluice gate demolition occurs since each selector basin is directly connected to the influent of Aeration Basins 5/4 -5/6 via a boxed conduit with no other isolation provisions.
RFI-116		Task B3, Element O specifically identifies installation of the new wall pipe for RAS pump No. 5. Please confirm whether the new wall pipe work for RAS pump No. 4 is included under Element E. Please identify any additional sequencing or outage requirements applicable to this work.	The new wall pipe work for RAS Pump N0. 4 is included under element E. no other sequencing or outage requirements associated with this work are anticipated at this time.
RFI-117		Referencing DWG 56-M-08, the routing of the 10” WAS piping in the gallery is not clear. Can you please provide a plan view drawing at Elevation 217.00? This pipe is partially hidden in Section A	In Section A on Dwg 56-M-08, the 10" WAS pipe coming from the WAS overflow box above (on the left side of Section A is routed behind the existing WAS piping in the pipe gallery and connects to the new tee in the existing was on the right side of Section A. This can be seen in Section B on Dwg 56-M-08. A plan view is not required and will not be provided.

RFI-118		Request that the pre-bid sign in sheet be made available in addendum.	See response to question RFI-055.
RFI-119		Section 40 42 13 identifies 2W spray-water piping as requiring heat tracing and references Section 40 05 33, Pipe Heat Tracing, for heat-trace wattage requirements. Section 40 05 33 is listed in the Volume 2 Table of Contents but does not appear to be included in the issued Volume 2 specifications. Please provide Section 40 05 33 and clarify the extent of heat-tracing work required for Secondary Clarifiers 6/5 – 6/6.	Refer to the responses to questions RFI-015 and RFI-022 above.
RFI-120		Section 26 05 33, Paragraph 3.04(B), requires conduit types in accordance with the "Area Classification and Materials Selection Table on the General Drawings." Paragraph 3.07 also references this table for conduit straps and installation hardware. The General Drawings do not appear to have this table.	The Area Classification Table will be added to the General Drawings per a forthcoming addendum.
RFI-121		For loads identified as requiring temporary power, please identify the approved temporary power source. Is temporary power intended to originate from existing plant distribution equipment, temporary generators, temporary distribution equipment, or a combination thereof?	Refer to the Specification Section 01 50 00. Any access to the Owner’s power system for temporary power purposes shall be subject to UOSA’s approval, available capacity, and operational requirements. UOSA operations and maintenance needs shall take precedence at all times. The Contractor shall be responsible for all costs associated with any temporary power connection and usage.
RFI-122		Where process equipment is temporarily powered, please identify what temporary controls must remain operational.	Where equipment is being temporarily powered, any controls within the associated existing MCC cubicle must be maintained during the time that temporary power is to be provided.
RFI-123		Please confirm whether a duct bank schedule is available for this project.	The conduits included in each ductbank are called out in the site plans. Drawings SE-09, SE-15, and SE-22 include ductbanks and have the conduits in each called out. A ductbank schedule will not be provided.
RFI-124		Block Diagrams – Clarifiers 6/1 Through 6/4: Drawing E-15 indicates new (P2) power wiring from LP-E1B to RCP-6-1-2 and RCP-6-3-4; however, SE-10 does not show associated new conduit. Please clarify whether these conductors are intended to utilize existing raceway or if new conduit is required and provide the intended routing.	Per a forthcoming addendum, Drawing E-15 will be updated to show new conductors being routed in the existing conduit for the lights for control panels and radio control panels for each clarifier.
RFI-125		Block Diagrams – Clarifiers 6/7 Through 6/10: Drawing E-15 indicates new (P2) power wiring from LP26D to RCP-6-7-8; however, SE-22 does not show associated new conduit. Please clarify whether these conductors are intended to utilize existing raceway or if new conduit is required and provide the intended routing.	Per a forthcoming addendum, Drawing E-15 will be updated to show new conductors being routed in the existing conduit for the lights for control panels and radio control panels for each clarifier.
RFI-126		Block Diagrams – Clarifiers 6/7 Through 6/10: Drawing E-15 indicates new (P2) power wiring from LP26C to RCP-6-9-10; however, SE-28 does not show associated new conduit. Please clarify whether these conductors are intended to utilize existing raceway or if new conduit is required and provide the intended routing.	Per a forthcoming addendum, Drawing E-15 will be updated to show new conductors being routed in the existing conduit for the lights for control panels and radio control panels for each clarifier.
RFI-127		Referencing DWG 56-M-07, bottom left corner, calls for penetration in accordance with detail 4027-622. It appears that this detail was omitted. Please provide.	The Detail reference will be revised from 4027-622 to 4027-601 per forthcoming addendum.
RFI-128		Referencing DWG 54-M-01, Keynote #5, refers to detail 4091-690. It appears that this detail was omitted. Please provide.	Refer to the response to question RFI-026 above.
RFI-129		Please reference Drawings V1-H-01, V1-HP-02 and V1-H-05. Roof exhaust fans EF-V-2, -4, -5 and -6 are replaced at existing roof openings, with 12-inch aluminum roof curbs specified. Please provide the existing roof system type, any active roof warranty requirements, and the required flashing, roof tie-in and repair details/specifications associated with this work.	The existing roof on Building V/1 is a built-up roof with now remaining active warranties. Per a forthcoming addendum an additional standard detail will be added to Drawing DDH-02 to show roof tie-in and flashing requirements for the new fan and curbs.
RFI-130		Please reference Section 09 90 00, paragraphs 1.06.B.1.a and 3.04.D.4.a, which address existing coatings and interior surface preparation at the primary anaerobic digesters. Digesters 7/1 and 7/2 are not included in the proposed improvements listed on G-03. Please confirm no digester coating work is required under this contract and that these digester-specific references do not apply.	No digester coating work is required as part of this project. Specification 09 90 00 Paragraphs 1.06.B and 3.04 D.4.a will be deleted in their entirety per a forthcoming addendum.
RFI-131		Please confirm that no full-surface protective coating or lining of clarifier or selector basin concrete is required beyond the specified localized repair coatings.	No full-surface protective coating or lining is required for the clarifiers or selector basin concrete beyond necessary repairs to the concrete.
RFI-132		Please provide the current average and peak-hour flow through PELS 55/1 and through PELS 55/2.	The following flow data is based on Primary Effluent (PE) flow data from 01/01/26 through 10/09/2026. PELS 55/1: Average Flow = 15.83 MGD & Max/Peal Flow = 29.54 MGD PELS 55/2: Average Flow = 23.27 MGD & Mac/Peal Flow = 41.66 MGD
RFI 133-137			Responses to RFI 133 to 137 will be forthcoming under a separate cover sheet

Table below is part of a list with Bidder question RFI 048B

NO.	DEVICE TAG	COMPONENT CODE	P&ID	DESCRIPTION	LOCATION	COMPONENT OPTIONS				Mounting Detail	NOTES
13	FE/FIT-31-21-3	F4	I-6	Inlet Flow Meter	East Hydrocyclone - Hydrocyclone Cluster # 3	0 - 250 gpm	AI	4-20 mA	120V AC	4091-222	Service: RAS
15	FE/FIT-31-22-3	F4	I-6	Overflow Flow Meter	East Hydrocyclone - Hydrocyclone Cluster # 3	0 - 200 gpm	AI	4-20 mA	120V AC	4091-222	Service: RAS
20	FE/FIT-31-21-4	F4	I-7	Inlet Flow Meter	West Hydrocyclone - Hydrocyclone Cluster # 4	0 - 250 gpm	AI	4-20 mA	120V AC	4091-222	Service: RAS
21	FE/FIT-31-22-4	F4	I-7	Overflow Flow Meter	West Hydrocyclone - Hydrocyclone Cluster # 4	0 - 200 gpm	AI	4-20 mA	120V AC	4091-222	Service: RAS
22	FE/FIT-31-21-5	F4	I-7	Inlet Flow Meter	West Hydrocyclone - Hydrocyclone Cluster # 5	0 - 250 gpm	AI	4-20 mA	120V AC	4091-222	Service: RAS
23	FE/FIT-31-22-5	F4	I-7	Overflow Flow Meter	West Hydrocyclone - Hydrocyclone Cluster # 5	0 - 200 gpm	AI	4-20 mA	120V AC	4091-222	Service: RAS
24	FE/FIT-31-21-6	F4	I-7	Inlet Flow Meter	West Hydrocyclone - Hydrocyclone Cluster # 6	0 - 250 gpm	AI	4-20 mA	120V AC	4091-222	Service: RAS
25	FE/FIT-31-22-6	F4	I-7	Overflow Flow Meter	West Hydrocyclone - Hydrocyclone Cluster # 6	0 - 200 gpm	AI	4-20 mA	120V AC	4091-222	Service: RAS
26	FE/FIT-31-21-7	F4	I-7	Inlet Flow Meter	West Hydrocyclone - Hydrocyclone Cluster # 7	0 - 250 gpm	AI	4-20 mA	120V AC	4091-222	Service: RAS
27	FE/FIT-31-22-7	F4	I-7	Overflow Flow Meter	West Hydrocyclone - Hydrocyclone Cluster # 7	0 - 200 gpm	AI	4-20 mA	120V AC	4091-222	Service: RAS

MEETING MINUTES
for the
PHASE 2 NITROGEN REMOVAL PLUS OTHER INTERIM PROCESS IMPROVEMENTS
UOSA CONTRACT P2NR+

PRE-BID CONFERENCE

Meeting Date and Time: September 22, 2026, 10:00 AM

Meeting Location: UOSA Sellman Meeting Room

Meeting Attendees: (Per the Sign-In Sheet)

<u>Name</u>	<u>Company</u>
Shakil Ahmed	UOSA
Nat Atapoor	UOSA
Dustin Baker	UOSA
Don Forgacs	JACOBS
Ann Mulhern	JACOBS
Archana Raju	JACOBS
Aarun Hill	Arrow Electric
Steve Nelson	ACE
Derek Traim	Singleton Electric Co
Drew Kelton	Mc Dean
Anthony Tundo	Archer Western
Greg Maynard	Global Heavy Corp.
Joe Chaklos	American Contracting
Scott Farrell	Mc Dean
Marlon Golborne	Mc Dean
Kashyap Karon	Mc Dean
Ray Sanlos	WM Schlosser
Charles Petzold	CPP Construction

1. Welcome to UOSA

Mr. Shakil Ahmed of UOSA opened the meeting at approximately 10:00 AM and welcomed the participants to the P2NR+ Pre-Bid Conference. He reminded everyone to sign the attendance sheet. He also advised attendees that a field walkthrough would be conducted for interested participants after the conference. During the walkthrough, attendees would have an opportunity to take photographs and gather field information.

2. Introduction of Staff:

Mr. Ahmed introduced himself as UOSA's Project Manager for the P2NR+ Project. He then introduced Dustin Baker of the Purchasing Office; Don Forgacs of Jacobs, a design engineer for the project; Ann Mulhern, Jacobs' Project Manager; and Archana Raju, who is assisting the Jacobs Project Manager. At Mr. Ahmed's request, the attendees introduced themselves before proceeding.

2. Purchasing Procedure:

Following the introductions, Mr. Baker reviewed several Purchasing procedures and stated that

UOSA maintains a website, www.uosa.org, where information regarding the solicitation is posted, including addenda and award information. This information will also be posted to eVA. www.uosa.org

He further reminded attendees that the complete bid package, including the drawings and specifications, is available electronically upon request through purchasing@uosa.org. purchasing@uosa.org

3. Submission of Bidder's Questions and deadlines and Bidding procedure:

Mr. Dustin Baker covered this topic and advised bidders to submit all substantive questions in writing. He emphasized that statements made and responses provided during the pre-bid conference would not modify the solicitation or the Contract Documents. Any changes to the solicitation or Contract Documents will be made only through a written addendum. Addenda will be posted on the UOSA website and eVA and distributed directly to bidders on the plan holders list. Bidders must acknowledge all issued addenda in the space provided on the Bid Form.

The **deadline for questions** is Wednesday, October 7, 2026. All questions received in writing by this deadline will be addressed in an addendum.

The deadline for bid submission is Thursday, October 22, 2026, at 2:00 PM. Bids may be submitted electronically via eVA, sent by mail, or hand-delivered to the receptionist in the Administration Building. The bid opening will also take place in the Administration Building.

Mr. Baker said , please make sure all information is provided in accordance with the Instructions to Bidders.

Communication: While you are preparing your bids and prior to award, communication between your firm and UOSA concerning this solicitation should be made through the Purchasing Department. Contact other than

through Purchasing may lead to your firm being disallowed from participating in this solicitation.

Bid Submission:

By submitting a bid, the bidder represents that it has exercised due diligence in reviewing the IFB and all project requirements and specifications.

To be considered responsive, bid submissions must contain all required documents, including the completed bid form, Bidder's Qualifications, Appendices A-D, acknowledgment of addenda, and the bid bond. Failure to submit any required bid form element or any other required documentation may result in the bid being deemed non-responsive.

4. Purpose of the Project:

The purpose of the project is to implement nitrogen management process improvements and complementary Renewal and Replacement (R/R) improvements, as further described in the Contract Documents.

5. Community Impact:

Mr. Forgacs stated that the project site is located adjacent to a day care center and in close proximity to a residential neighborhood. All construction traffic should be routed to the plant via Route 28.

6. Overview of Construction Sequence:

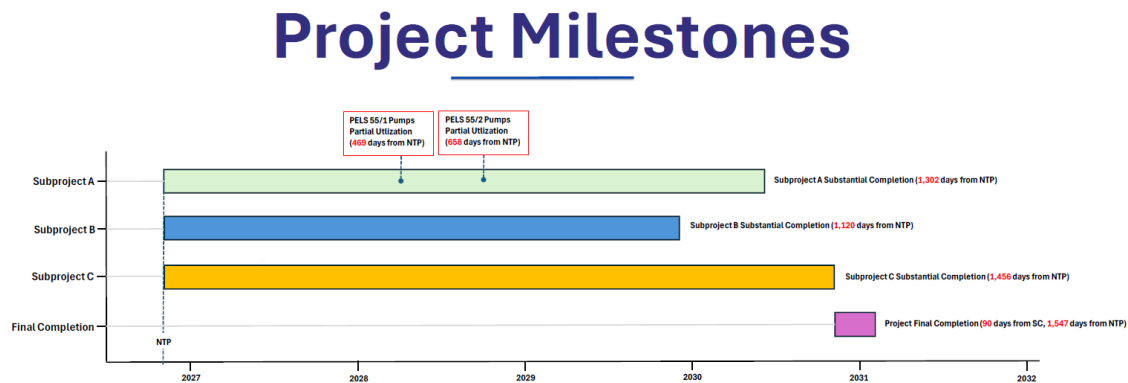
Mr. Forgacs stated that the Project generally consists of nitrogen management process improvements and complementary Renewal and Replacement (R/R) improvements. By presenting the site Drawing, he pointed out the overall location of the project and identified the major components of the Work include replacement of eight (8) screw pumps at Primary Effluent Lift Stations (PELS) 55/1 and 55/2; upgrades to two (2) RAS pumps and increased pumping capacity at RAS Pump Station 9/1; cyclone and settleability improvements at Selector Basins 56/1 through 56/3 and 56/4 through 56/7; replacement of secondary clarifier mechanisms at Secondary Clarifiers 6/5 and 6/6; replacement of electrical equipment at Load Centers No. 1 and No. 8; and replacement of a primary sludge pump at Primary Sludge Pump Station 54/2.

The Work also includes additional R/R improvements associated with the Primary Effluent Pump Stations, Aeration Basins, Secondary Clarifiers, Return Activated Sludge Pump Stations, Secondary Effluent Collection Box, Primary Sludge Pump Stations, Selector Basins and associated pipe galleries, Biofoam Pump Station, Secondary Clarifier Dewatering Pump Station, Aeration Basin Dewatering Pump Station Valve Vault, Mixed Liquor Splitter Box, Load Centers No. 1 and No. 8, Blower Building, and miscellaneous site piping and electrical systems.

A complete description of the Work is provided in the Contract Documents.

7. Project Schedule:

Mr. Forgacs reviewed the project milestones for three subprojects, A, B, and C. He stated that replacement of the PELS pumps in Phase A is a priority and requires delivery early in the project.



8. Open Floor for Questions:

Q 1: Will Jacobs representative be available full time at the site?

A: Yes, Jacobs will assign full time resident engineer and resident inspector for P2NR+ project.

Q 2: Will visitor be escorted through the entrance during construction?

A: Yes, Contractor's visitors or short-term visitor will require to obtain the visitor badge and register at the admin building just like you were able to enter the plant today. For long time crew of Contractors/subcontractor working at the plant will be issued access cards.

Q 3: Where the staging area is located?

A: It is located at the north side of the plant accessible through the west side highway from Compton Road. Engineer pointed the location on Drawing No. G-06.

Q 4: Will you allow visiting site prior to Bid.

A: Yes, bidder will be contacting Purchasing office to arrange the bidder visit at the site. Purchasing contacts are available on Invitation for Bid.

Following the pre-bid conference in the meeting room, attendees participated in a field walkthrough of the project site. The Engineer guided the walkthrough and reviewed the project scope, while bidders had the opportunity to observe existing conditions and gather information relevant to preparation of their bids.

Pre-Bid Conference

UOSA Contract P2NR+

Tuesday 9/22/26 from 10:00 AM to 11:30am

LIST OF ATTENDEES

	NAME	COMPANY NAME	PHONE NUMBER	EMAIL ADDRESS
1	Dustin Baker	UOSA	703 830 2200	dustin.baker@uosa.org
2	DON FORGACS	JACOBS	540-272-2354	DON.FORGACS@JACOBS.COM
3	ARCHANA RATU	JACOBS	217-751-2065	ARCHANA.RATU@JACOBS.COM
4	Ann Mulhern	JACOBS	240-750-3308	ANN.MULHERN@JACOBS.COM
5	Aaron Hill	Aaron Electric	240 298 2578	aaronhill@aaron-llc.com
6	Steve Nelson	ACE	301-875-6242	steve.nelson@aceservinc.com
7	DEREK TRAM	SINGLETON ELECTRIC	301-258-2600	Derek@SINGLETONELECTRIC.COM
8	DREW KELICAN	M.C. Dean	540-219-8590	drew.kelican@mcdean.com
9	Anthony Tundo	Archer western	703-200-9926	atundo@walshgroup.com
10	James Lamont	Norair	443-269-2565	JLamont@norair.com
11	Greg Maynard	Global Heavy corp	724-961-0091	gmaynard@globalheavy.com
12	JOE CHAKLOS	AMERICAN CONTRACTORS	301.490.9100	joe.chaklos@aceservinc.com
13	Scott Farrell	MC Dean	571-271-2545	William.Farrell@mcdean.com
14	Marlon Goulbourne	M.C. Dean	540-550-1525	marlon.goulbourne@mcdean.com
15	Nat Atapour	UOSA	703-280-2144	Nat.atapour@uosa.org
16	Kashyap Karni	M.C. Dean	571 397 6634	KASHYAP.KARNI@MCDEAN.COM
17	Ray Santos	WMS	240-623-4832	bids@estimatwmschlosser.com
18	Shakil Ahmad	UOSA	703 830 2200	Shakil.Ahmad@uosa.org
19	Charles Petzold	CPP Construction	—	—
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