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October 27, 2026

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Addendum #3
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 #3 to UOSA Contract P2NR+

   The supplemental information below is intended to clarify, not change, the terms, conditions, and scope of the Work

2. Interpretations and Clarifications

ISSUED BY:
Upper Occoquan Service Authority

Dustin Baker
Purchasing Manager

Upper Occoquan Service Authority
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ADDENDUM No. 3
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 27, 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

No Change

D. SPECIFICATIONS

1. On Page 3 of Supplement 3 (Instrument List) for Specification Section 40 90 10, Process Instrumentation and Control Systems **ADD** a new row to the Instrument List for item 48 as shown on the revised Page 3 of Supplement 3 (Instrument List) provided here as Attachment A.
2. On Page 8 of Supplement 1 (Component Specifications) for Specification Section 40 90 10, Process Instrumentation and Control System **REPLACE** paragraph D.7.a with the following:

   "a. Endress + Hauser; Micropilot FMR20B."

3. On Page 9 of Supplement 1 (Component Specifications) for Specification Section 40 90 10, Process Instrumentation and Control System **REPLACE** paragraph E.3.c with the following:

   "c. Temperature: 32 degrees F to 140 Degrees F (0 Degrees C to 60 Degrees C)"

4. On Page 18 of Supplement 1 (Component Specifications) for Specification Section 40 90 10, Process Instrumentation and Control System **REPLACE** paragraph M.2.c with the following:

   "c. Operating Temperature Range: Minus 40 degrees C to 60 Degrees C"

5. On Page 3 of Specification 10 73 00, Metal Canopy **REPLACE** paragraph 2.01.A.2 with the following:

   "2. AVAdek."

6. On Page 4 of Specification 40 90 10, Process Instrumentation and Control Systems (PICS) **REPLACE** paragraph 1.03.C.2 with the following:

   "2. Application software for DCS logic shall be provided by the Owner or Engineer and application software for PLC logic associated with Smart MCC mapping as contained in LCP-B-1 and LCP-V-1 shall be provided by the Contractor."

7. On Page 12 of Specification 40 90 10, Process Instrumentation and Control Systems (PICS) **ADD** the following new paragraph 1.05.H.11 after paragraph 1.05.H.10.

   "11. Submit preliminary and final data maps for Panels LCP-B-1 and LCP -V-1 indicating data mapping of specified smart MCC data. Final submittal shall be within 30 days of successful completion of ORT and shall reflect any revisions made during the ORT process."

8. On Page 7 of Specification 26 05 05, Conductors **ADD** the following new paragraph 2.04.B, in its entirety, after paragraph 2.04.A.7:

   "B. Single-Mode Fiber Optic Cable:

   1. Fiber:
      a. 9/125-micron Class IVa dispersion-unshifted optical fibers for use in the backbone distribution subsystem shall meet or exceed requirements of ANSI/TIA-568.3-D and shall comply with ITU-T G.652.D and meet or exceed the performance requirements of ITU-T G.657.A1, including the following specifications:
         1) Manufacturer: Corning SMF-28 Ultra Glass fiber or approved equal meeting or exceeding specified performance requirements.
         2) Fiber Construction:
            a) Core Diameter: Nominal 9 microns.
            b) Cladding Diameter: 125 microns.
            c) Coating Diameter: Nominal 242 microns.
            d) Fiber Buffer: 900-micron tight-buffered construction.
         3) Chromatic Dispersion:
            a) Zero-Dispersion Wavelength: Between 1,302nm and 1,322 nm.
            b) Maximum value of dispersion slope at zero dispersion wavelength shall be no greater than 0.093 ps per km-nm^2.
         4) Mode Field Diameter:

a) Nominal 8.7 microns to 10 microns, with a tolerance of plus or minus 0.5 micron at 1,300 nm.

5) Maximum Attenuation:
   a) Outside and Indoor-Outdoor Optical Fiber Cable:
      (1) 0.5 dB per km at 1,310 nm.
      (2) 0.5 dB per km at 1,550 nm.
6) Cutoff Wavelength of Cabled Fiber: Less than 1,260 nm.

2. Cable:
   a. Type 9/125 Single-Mode Backbone Fiber for Underground Conduit, Building Riser, and Building Distribution Installation:
      1) Individual Fibers:
         a) Single-mode, 9/125/242-micron optical fibers.
         b) All fibers shall be 900-micron tight-buffered.
      2) Assembly:
         a) Nonmetallic, gel-free, dry water-blocked, indoor/outdoor tight-buffered distribution cable construction.
         b) Cable shall not incorporate dielectric strength members and water-blocking aramid yarn surrounding the fiber strands.
         c) Cable shall be waterproof and suitable for installation in underground conduit and indoor building environments without transition to a separate indoor-rated cable.
         d) Cable jacket shall be UV-resistant and suitable for outdoor exposure.
         e) Cable shall comply with ICEA S-104-696.
         f) Cable shall meet fire requirements for indoor installation.
      3) Fiber Count:
         a) Fiber count shall be as indicated on the Drawings; however, cable shall contain sufficient fibers to support all known communication links plus a minimum of fifty percent (50%) additional spare fibers.
         b) Minimum spare fiber count shall be four (4) strands.
         c) Total fiber count shall be an even number.
      4) NEC/UL Listing:
         a) OFNR for riser installations unless otherwise indicated.
         b) OFNP for cables installed in environmental air-handling spaces.
      5) Installation Requirements:
         a) Fiber cables shall be continuous between patch panels and termination points. Intermediate splices shall not be permitted unless specifically indicated on the Drawings.
         b) Minimum manufacturer-recommended bend radius shall not be exceeded during installation or in the completed installation.
         c) maximum manufacturer-recommended pulling tension shall not be exceeded during installation.
3. Terminations:
   a. All fiber optic connectors shall be LC type.
   b. All fiber optic terminations shall utilize UPC-polished connectors.
   c. All fiber strands within each cable shall be terminated.

d. Breakout assemblies shall utilize 2mm furcation tubing on each fiber strand.
e. Furcation tubing shall be color coded in accordance with ANSI/TIA-598 color code requirements.
f. Fiber optic termination hardware shall provide strain relief and bend-radius protection for all terminated fibers.

4. Testing:
a. Each installed fiber strand shall be tested end-to-end for insertion loss following installation.
b. Testing shall include a minimum wavelength of 1310nm.
c. Each fiber strand shall meet the calculated loss budget for the installed link.
d. Fiber strands failing to meet the allowable loss budget shall be repaired or replaced and retested at no additional cost to the Owner.
e. Submit complete test reports identifying cable identification, fiber number, test wavelength, measured insertion loss, allowable loss budget, and pass/fail status for each fiber strand."

E. DRAWINGS

All replacement drawing files referenced below are available for download at the following link: https://tinyurl.com/yxwespc3.

By acknowledging receipt of Addendum No. 3 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 51 (SE-09) with attached revised sheet 51 (SE-09).
2. **REPLACE** Sheet 52 (SE-10) with attached revised sheet 52 (SE-10)
3. **REPLACE** Sheet 53 (SE-11) with attached revised Sheet 53 (SE-11).
4. **REPLACE** Sheet 54 (SE-12) with attached revised Sheet 54 (SE-12)
5. **REPLACE** Sheet 55 (SE-15) with attached revised Sheet 55 (SE-15).
6. **REPLACE** Sheet 56 (SE-16) with attached revised Sheet 56 (SE-16).
7. **REPLACE** Sheet 59 (SE-22) with attached revised Sheet 59 (SE-22).
8. **REPLACE** Sheet 71 (E-11) with attached revised Sheet 71 (E-11).
9. **REPLACE** sheet 72 (E-12) with attached revised Sheet 72 (E-12).
10. **REPLACE** Sheet 73 (E-13) with attached revised Sheet 73 (E-13).
11. **REPLACE** Sheet 74 (E-14) with attached revised Sheet 74 (E-14).
12. **REPLACE** Sheet 75 (E-15) with attached revised Sheet 75 (E-15).
13. **REPLACE** Sheet 79 (E-19) with attached revised Sheet 79 (E-19).
14. **REPLACE** Sheet 125 (91-E-01) with attached revised Sheet 125 (91-E-01).
15. **REPLACE** Sheet 137 (54-E-01) with attached revised Sheet 137 (54-E-01).
16. **REPLACE** Sheet 182 (56-E-01) with attached revised sheet 182 (56-E-01).
17. **REPLACE** Sheet 183 (56-E-02) with attached revised sheet 183 (56-E-02).
18. **REPLACE** Sheet 184 (56-E-03) with attached revised sheet 184 (56-E-03).
19. **REPLACE** Sheet 202 (E1-E-01) with attached revised Sheet 202 (E1-E-01).
20. **REPLACE** Sheet 213 (V1-E-02) with attached revised Sheet 213 (V1-E-02).

ATTACHMENTS:

Attachment A – Revised Page 3 of Instrument List

End of Addendum No. 3

INSTRUMENT LIST

NO.	DEVICE TAG	COMPONENT CODE (Refer to 40 90 10)	P&ID	DESCRIPTION	LOCATION	COMPONENT OPTIONS				Mounting Detail	NOTES
						Scale Range	PLC I/O Type	Signal Type	POWER SUPPLY		
47	DE/DIT-31-3-3	L24	I-13	Sludge Blanket Monitor	Secondary Clarifier 6/9	Refer to Specs L24	AI	4-20 mA	120V AC	Detail 1 on 6-E-02	Owner-furnished and installed by the Contractor. Contractor shall provide all electrical and Instrumentation conduit, wiring and support. Contractor to submit the standard details with shop drawings.
48	DE/DIT-31-3-4	L24	I-13	Sludge Blanket Monitor	Secondary Clarifier 6/10	Refer to Specs L24	AI	4-20 mA	120V AC	Detail 1 on 6-E-02	Owner-furnished and installed by the Contractor. Contractor shall provide all electrical and Instrumentation conduit, wiring and support. Contractor to submit the standard details with shop drawings.

Addendum 3

Additional 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.

10/26/2026

Question No	Reference (Spec/Dwg)	Question	Response
RFI-133		RFI 001 - Untracked Sludge Blanket Sensor (Spec 40 90 10 Supp. 3, Dwg I-13): DE/DIT 31-3-4 is shown on the drawing but missing from the instrument list.	DE/DIT 31-3-4 will be added to the instrument list per a forthcoming addendum.
RFI-134		RFI 002 - Radar Level meter Preferred Manufacturer Series (Spec 40 90 10 Supp. 1): Specified Endress + Hauser Micro pilot FMR20 has been discontinued; requesting an acceptable replacement.	The updated information for replacing the discontinued device is Endress + Hauser; Micropilot FMR20B. Specification 40 90 10 Supplement 1 paragraph D. 7.a will be revised accordingly per a forthcoming addendum.
RFI-135		RFI 003 - Float Switch Temperature Requirement (Spec 40 90 10 Supp. 1): Requesting confirmation that 0C-60C is an acceptable operating range, as the recommended Flygt ENM-10 and Anchor Scientific Eco-float units do not support 60C-80C operation.	A 0 C to 60 C temperature range for this instrument is acceptable. Specification Section 40 90 10 Supplement 1 paragraph E.3.c will be revised accordingly per a forthcoming addendum.
RFI-136		RFI 004 - Indicator Temperature Requirement (Spec 40 90 10 Supp. 1): Requesting the S112 Indicator temperature requirement be relaxed to a 60C maximum, consistent with the suggested E+H RIA 46 rating.	The maximum environmental temperature of 60 C, in which this component (S112) will be installed, is acceptable. Specification Section 40 90 10 Supplement 1 paragraph M.2.c will be revised accordingly per a forthcoming addendum.
RFI-137		RFI 005 - LP-58-3 Size (Spec 40 90 10 Supp. 2, Dwg I-5): Requesting confirmation that a 24"x24"x12" enclosure is acceptable in lieu of the specified 18"x18"x12".	It is unclear why a larger panel size is required at this time. A larger panel may be acceptable as an alternative but this would need to be coordinated during submittal review of this panel and other work in this area.
RFI-138		Drawing Q-E-02 does not indicate the environmental conditions of this space. Please advise.	Refer to Drawing G27 that was added to the Contract drawings in Addendum 2 for the environmental conditions of this space.
RFI-139		Drawing 54-E-01 says the Primary Sludge Pump Stations 54/1 and 54/2 are Unclassified and Wet. Spec Section 260502, 1.05A says these spaces are Nonhazardous, Wet, and Corrosive. Please confirm the classification of this space.	Refer to Drawing G27 that was added to the Contract drawings in Addendum 2 for the environmental conditions of this space.
RFI-140		Several of the cable block diagrams on E-11 through E-15, as well as the site plans on SE-09 through SE-28, show a Datalink cable. This cable does not appear to be defined on the drawings or in the specs. Please confirm the requirements for this cable.	The cable requirements are specified in Specification Section 23 09 23, Direct-Digital Control system for HVAC paragraph 3.01 C.
RFI-141		There appear to be fire alarm or gas detection devices shown (for example, Drawing E-12, the block diagrams for Primary Sludge Pump Stations 54/1 and 54/2, as well as the floor plan on 54-E-01), but there appears to be no spec section for these alarm devices, nor any connection to a fire alarm control panel, gas detection panel, or campus- or plant-wide system. Please advise if these are fire alarm or gas detection devices, whether they are independent, local devices only or if they should be connected to an overall system, and any other requirements.	The horn and strobe lights shown on the block diagrams and on the floor plans are associated with the HVAC controls. Refer to drawing 54-H-02, 9-H-02, and 58-H-02 Sequence of Operation-Ventilation Detection Alarm. The horn and strobe lights are specified in Specification Section 23 09 13 HVAC Controls, Field Components, and Instruments paragraph 2.03 and 2.04 respectively.
RFI-142		Feeder A is shown to be replaced using existing ductbank conduits. The routing of these existing conduits is not clear on Drawing SE-10. The route shows on SE-09 from Building B/1 exiting the South side of the building, continuing to Manhole LV-11, then continuing on to Drawing SE-10, where it appears not to terminate anywhere except into an existing manhole partially obscured by the drawing notes. No pathway appears to extend from this point to Building E/1. It is possible that the existing ductbank does provide a route to the existing manhole at the Northwest corner of Building E/1, but that it is obscured by the new direct-buried conduit shown. Please confirm the routing of the existing ductbank into Building E/1.	Feeder A is routed out of E/1 through the unlabeled manhole that is located northwest corner of Bldg E/1 between Building E/1 and RAS Pump station 9/1. Drawing SE-10 will be updated in forthcoming Addendum to show the connection to the unlabeled manhole.

RFI-143		Several motors are shown on the block diagrams on E-11 through E-15, but do not appear on any other one-line diagram, and no size is given. For example, Drawing E-12, for Primary Sludge Pump Station 54/2, no size is given for 54-M-004, and this motor does not appear on any other one-line diagram. As another example, Drawing E-14, for West Hydrocyclone 55/2, no size is given for 56-M-203 and -204, and these motors do not appear on any other one-line diagram. Please advise the sizes of all the motors that require electrical connections.	The motors fed from panelboards do not have horsepower shown. The horsepower is covered in the datasheet in the designated specification. For example, for 56-M-004 the horsepower is Specified in 44 42 56.13.
RFI-144		Several AFD panels are shown on the block diagrams on E-11 through E-15, but do not appear on any other one-line diagram, and no size is given. For example, Drawing E-12, for Primary Sludge Pump Station 54/2, no information is given for AFD-PSP-4, and this AFD panel does not appear on any other one-line diagram. Please advise the requirements and sizes of all the AFD panels on this project.	The VFDs shall be sized for the motor horsepower listed in the Specification for that equipment. For example, Specification 44 42 56.13 has the horsepower for 56-M-004.
RFI-145		Drawing E-24 says new VFDs will be installed in existing control panel CP-56-1, but the size of the VFDs are not provided. Neither are they shown on the block diagram on E-14 for East Hydrocyclone 55/1. Please advise the requirements for these VFDs and the sizes of the pumps they feed.	The VFDs shall be sized for the motor horsepower listed in the Specification for that equipment. For example, Specification 44 42 56.04 has the horsepower for East Hydrocyclone.
RFI-146		Drawing E-05 shows a new AFD panel, and it appears this same panel is shown on the block diagram on E-14 for West Hydrocyclone 55/2, but no information about this panel is given. Please advise the requirements for this AFD panel and the sizes of the pumps it feeds.	The VFDs shall be sized for the motor horsepower listed in the Specification for that equipment. For example, Specification 44 42 56.04 has the horsepower for West Hydrocyclone.
RFI-147		Drawing Q-E-02, Keynote 1 says to reuse the existing ductbank conduits for the replaced feeders 3 and 4. Please confirm that the existing exposed conduits within the buildings are also to be reused, and not replaced with new conduits.	Yes, the existing exposed conduits within the building are to also be reused.
RFI-148		Drawings 56-E-08, Keynote 1 states to use existing conduits between C-143 and TU-56 for the new fiberoptic cable. Drawing SE-15, Keynote 1 states to use existing conduits between C-16, C-143, and 55/2 for the new fiberoptic cable. Drawing E-11, the block diagram for Load Center No. 1 appears to show new 2” conduits for the fiberoptic cable. Please confirm the existing conduit is to be reused, and new conduit is not required between C-16, C-143, and TU-56.	A new 2” conduit is installed from B/1 to C-16 per Drawing SE-15 and SE-09. From C-16 to TU-56 the existing conduit within the existing ductbank is to be used to route the fiber cable.
RFI-149		Drawing E-11, the block diagram for MCC8A & MCC8B shows the symbol for the disconnect for HP-V-1 as lightweight, indicating existing to remain, but the label is shown bold, indicating new. Drawing V1-E-01 also shows the symbol for this disconnect as lightweight, but the label as bold. Please confirm whether this disconnect is existing to remain, or new.	The disconnect switch is existing to remain. Only the tag is bold to show the existing tag for the disconnect.
RFI-150		Drawing E-12, the block diagram for MCC8A shows the symbol for HS-31-20-4-2 as lightweight, indicating existing, but the label is shown as bold, indicating new. Drawing 59-E-01 also shows the symbol for this device as lightweight, but the label as bold. Please confirm whether this device is existing to remain, or new.	The control station is existing to remain. Only the tag is bold to show the contractor the existing tag for the device.

RFI-151		Drawing E-12, the block diagram for MCC8A shows a 2” conduit with 3-#10, 5-#14, 1-#10G, 2-#12, and 1-#12G from a JB to HS-31-20-4-2, then from there a 1” conduit with MSC and 6-#14 to another JB. Drawing 59-E-01 shows the 2” conduit as direct-buried to a JB near the HS. Drawing SE-22 shows this wire in (2) separate 2” concrete-encased ductbank conduits coming to Building 59/1, not (1) direct-buried conduit. Please confirm the routing of the conduit and wire to this building.	From Building V/1, 2 conduits with the following circuit shall be routed in the concrete encased ductbank as shown on SE-22: [2"C, 3#10, 1#10G, 2#12, 1#12G], [2"C, 5#14, 1#14G]. Drawing E-12 will be updated accordingly in a forthcoming Addendum.
RFI-152		Drawing E-12, the block diagram for 6/5 and 6/6 shows (2) unlabeled runs between LV-21 and L8AB(2). Please advise the conduit and wire requirements for these runs.	E-12 will be updated in a forthcoming Addendum. The first unlabeled conduit coming from L8AB(2) is [3/4"C,6#12, 1#12G] and the second unlabeled conduit coming from L8AB(2) is [3/4" C, 4#12, 1#12G].
RFI-153		Drawing E-14, the block diagram for 56/1, 56/2, and 56/3 Pipe Gallery shows the following devices that do not appear on floor plans. Please advise the locations of these devices. a.FIT-1-50-1 and FIT-1-50-2 b.DIT-1-50-1 and DIT-1-50-2 c.FIT-1-52-1 and FIT-1-52-2 d.LIT-1-53 e.FIT-1-53-1 through FIT-1-53-3 f.FCV-1-53-1 through FCV-1-53-3 g.FIT-1-54-1 through FIT-1-54-3 h.AIT-1-55-1 through AIT-1-55-3	These are existing instruments that will have the wiring replaced. Drawings 56-E-01, 56-E-02, and 56-E-03 will be updated with the location of each instrument in a forthcoming Addendum.
RFI-154		Drawing E-14, the block diagram for Primary Effluent Pump Station 55/1 shows pumps 55-M-101 through 55-M-105. Drawing 55-E-02 shows pumps 55-M-001 through 55-M-005. Please confirm these are the same pumps and confirm the correct designation.	Yes, these are the same pumps. Tags on Drawing 55-E-02 were updated in Addendum 2.
RFI-155		Drawing E-14, the block diagram for Primary Effluent Pump Station 55/1 shows connections to MCC-8A through -8D. These MCC’s are in Building V/1. Neither Drawing 55-E-02 or the site plans SE-15, -16, or -22 identify a route to get to Building V/1. Please advise the routing required, and confirm that it is intended to run in existing conduits.	The existing conduits in the duct banks between Building V/1 and PELS pump station 55/1 are to be reused. The routing from V/1 to PELS Pump Station leaves V/1 to manholes LV-14 to LV-15, LV-15 to LV-16, from LV-16 into the building. The manholes are shown with bold labels on the SE drawings. Drawings SE-15 and SE-16 will be updated per a forthcoming addendum to show the missing existing duct bank that connects LV-15 and LV-16.
RFI-156		Drawing E-11, the block diagram for MCC-8C and -8D shows new cable in existing conduits from MCC-8C and MCC-8D to enclosed circuit breakers, then new conduit and cable from the enclosed CB’s to ATS-8CD. Drawing 56-E-03 shows ATS-8CD, but only (1) enclosed circuit breaker. Also, Keynote 3 says to install new cable in existing conduits from MCC-8C and MCC-8D to ATS-8CD. Please advise the location of the second enclosed circuit breaker and confirm whether new conduit is required between the enclosed CB’s and the ATS.	Drawing 56-E-03 will be updated in a forthcoming Addendum to show the location of the second enclosed circuit breaker which is located on the west side of ATS-8CD. Per Drawing E-11 the existing conduit between the enclosed circuit breakers and ATS-8CD will be reused and new conductors will be provided.
RFI-157		Drawing E-11, the block diagram for MCC-8C and -8D shows 3-500kcmil, 1-#3/0N, 1-#1G in existing 4” conduit from MCC-8C and MCC-8D to existing enclosed circuit breakers, then a new 2½” conduit with 4-#3/0, 1-#6G from each enclosed CB to ATS-8CD. Drawing 56-E-03, Keynote 3 says ATS-8CD is fed by 4” conduits from MCC-8C and MCC-8D. Please confirm the size of the conduit and wire required for these feeders, and whether the conduit is existing or new.	ATS-8CD is fed from MCC-8C and MCC-8D via the existing 4 inch conduits that feed the enclosed circuit breakers. The existing 4 inch conduit shall be reused with 3#500 kcmil, 1# 3/0N, 1#1G per Drawing E-11.
RFI-158		Per E-11 and 56-E-03, ATS-8CD is fed from MCC-8C and MCC-8D. No pathway appears to be shown on the floor plans or site plans between Building 56/1-56/3 and Building V/1. Please advise the routing required.	Refer to the response to RFI-155.
RFI-159		Drawing 6-E-01 shows Heat Trace connections and Heat Trace Thermostats. These devices do not show up on the block diagram for Clarifiers 6/5 and 6/6 on E-12. Please advise the conduit and wire requirements for these connections.	Drawing E-12 will be updated in a forthcoming Addendum to show conduit and wiring requirements for the heat trace.

RFI-160		Drawing E1-E-01 shows the North arrow pointing to the top of the page. Please confirm the North arrow should point to the left of the page. This would appear to match the orientation shown on the site plan SE-10.	Drawing E1-E-01 will be revised in a forthcoming addendum to revise the North arrow to point to the left of the page..
RFI-161		Drawing E-15, the block diagram for Clarifiers 6/1 through 6/4 shows the RCPs connecting to LP-E1B. The site plan SE-10 does not appear to show a pathway from these RCPs to Building E. Please clarify the routing.	Drawing E-15 has been updated per Addendum 2 to indicate the routing. See response provided for RFI124-RFI126.
RFI-162		Drawing E-15, the block diagram for Clarifiers 6/7 through 6/10 shows the RCPs connecting to LP26C and LP26D. The site plans SE-22 and SE-28 do not appear to show a pathway from these RCPs to these panels. Please clarify the routing.	Drawing E-15 has been updated per Addendum 2 to indicate the routing. See response provided for RFI124-RFI126.
RFI-163		Drawing E-13, the block diagram for RAS Pump No. 4 and No. 5 shows SV-31-20-4 and SV-31-20-5. These devices do not show up on the floor plan on 91-E-01. Please advise the location of these devices.	Drawing 91-E-01 will be updated in a forthcoming addendum to show SV-31-20-4 and SV-31-20-5.
RFI-164		Drawing SE-15, General Note 3 says existing site lighting is fed from DP17A. This appears on Drawing 56-E-08, but no pathway is shown from this panel to the site lighting. Please confirm that no new conduit and wire is required from this panel to the site lighting, and we should connect to the existing conduit and wire at one of the site light locations and extend with new conduit and wire only as shown on SE-15 and SE-16.	Drawing SE-15 will be revised, per forthcoming addendum, to show the direct buried conduit back to DP17A, contractor will need to field verify this existing DB routing for replacement.
RFI-165		Drawing E-15, the block diagram for Collection Box 35/1 shows the gates connected to Panel DP24A. The panel schedule on E-19 says this is in Building C. This panel does not appear on any floor plan, nor on the site plan on SE-10. Also, no pathway is shown between Building 35/1 and Building C. Please advise the location of this panel within Building C, as well as the pathway from Building 35/1.	The existing conduits for 35-GS-36 and 35-GS-37 at Structure 35/1 are combined into a ¾" conduit that routes to an existing junction box on the outside of 35/1. From the junction box a 1" conduit is routed underground to Building E/1. The gates are not fed from Panel DP24A in Building C for power and instead are fed from MCC-2D in E/1. Drawing E-15, E-19, and SE-10 will be updated in a forthcoming Addendum.
RFI-166		Drawing 54-E-01 shows (1) HVAC Thermostat in each or Pump Stations 1 and 2. These thermostats do not appear on the block diagrams on E-12. Please advise the conduit and wire requirements.	The thermostats for 54/1 and 54/2 are not needed and will be removed from drawing 54-E-01 per a forthcoming addendum.
RFI-167		Drawing E-12, the block diagram for Primary Sludge Pump Station 54/2 shows Pump 4 VFD Panel AFD-PSP-4 as new, but it appears as existing on the floor plan on 54-E-01. Please advise if this VFD panel is new or existing, and if new, the size required.	Pump 4 VFD panel is new. Drawing 54-E-01 will be updated in a forthcoming Addendum.
RFI-168		Drawing SE-09, Keynotes 4 and 5 call for new Datalink cable in existing conduit for 54/1 and 54/2. The block diagrams on E-12 do not show any Datalink cable for these buildings. Please advise.	The data links are shown on Drawing E-11 for Load Center 1.
RFI-169		There is no scale shown on Drawing 56-E-02. Please advise.	North arrow and scale will be added to 56-E-02 in a forthcoming Addendum. The scale is ¼" = 1'-0"
RFI-170		Drawing E-13, the block diagram for Mixed Liquor Splitter Box 70/1 shows new cable in existing conduit from C-14 to TU-V/1. The site plan on SE-16 shows an existing ductbank running from C-14 to the matchline for SE-22, but this ductbank does not appear on SE-22. Please confirm the routing of the existing ductbank.	SE-22 will be updated in a forthcoming Addendum to show the conduit continuation between manhole C-14 and Building V/1.
RFI-171		Drawing E-11, the block diagram for Load Center 1 shows a feeder from MCC-1A to MCC-2A as new cable in existing conduit. This feeder does not show up on the one-line diagram for either MCC-1A on E-03, or MCC-2A on E-06, or the plant one-line on E-01. Drawings E-03 and E-01 show a feeder from SWGR-2A to MCC-1A in existing conduit, is this what was intended on E-11?	Yes, Drawing E-11 was updated in Addendum 2 to show SWGR-2A and SWGR-2B connecting to MCC1A and MCC1B.

RFI-172		Drawing B1-E-01, Keynote 11 says to route new cable in existing conduit to Primary Clarifier 4/2, and to refer to SE-09 for the location of Primary Clarifier 4/2. Drawing SE-09 does not show the routing of existing conduit to Primary Clarifier 4/2. Please advise the routing.	The existing conduit exits Building B/1 on the east side and continues to a junction box. Drawing SE-09 will be updated in a forthcoming Addendum.
RFI-173		Section 26 05 33 paragraph 3.05(A)(3) requires flexible nonmetallic liquidtight conduit in wet or corrosive areas, while paragraph 3.05(C) requires flexible metal liquidtight conduit in outdoor/process areas exposed to moisture. Please clarify the required liquidtight conduit type for final equipment connections in outdoor/wet areas.	For outdoor areas exposed to moisture, flexible metal liquid-tight conduit is required per Specification Section 26 05 33, Raceway and Boxes paragraph 3.05 C.
RFI-174		Sheet 72 (E-12) indicates new conduit routing from TU-56/2 to Building B/1. Please confirm whether these conduits are intended to be installed within the new duct bank originating at Manhole C-16. If so, confirm that sufficient spare conduits are available within the duct bank system for the associated control and instrumentation wiring between 55/2, C-143, and C-16, or provide the intended routing for these circuits.	These conduits are intended to be installed within the new duct bank from B/1 to C-16. From C-16 the signals will be routed in two existing spare 1” conduits in existing ductbank through existing manhole C-143 to 55/2. Drawings SE-09, SE-15, and E-12 will be updated in a forthcoming Addendum
RFI-175		Specification 10 73 00 – Metal Canopy 2.01 lists Dittmer Architectural Aluminum as a pre-approved manufacturer. They have responded they do not intend to bid. Peachtree Protective Covers has not responded to date. Please provide additional pre-approved vendors for this work.	The "A" named manufacturer in Specification Section 10 73 00, Dittmer, was Contacted by the Engineer to inquire why they were not going to bid on the project. The Dittmer Cost Estimator (Dave Ouellette) indicated that there was a communication failure and they **do** intend to provide costs for Dittmer to provide the aluminum canopies associated with this project. In addition, The Engineer contacted Peachtree Protective Covers to verify if they intend to provide costs for the Metal Canopies associated with this project. The Engineer was informed that Peachtree Protective Covers was bought by AVAdek and they are interested in providing a cost for the aluminum canopies associated with this project. Specification Section 10 73 00, Metal Canopy Paragraph 2.01.A.2 will be updated to revise Peachtree Protective Covers to AVAdek per a forthcoming addendum.
RFI-176		Project drawing sheet, 85 (E-25) PLC Panel – shows an ATS in this panel per the BOM item # 15. The PLC panel is 120V. Does this ATS needs to be in the LCP-B-1 PLC panel. Normally, ATS (automatic transfer switch) takes a higher voltage, for example 480V, or 240V service. See drawing sheet, E-25 attached. The PLC panel is circled in “red”.	This is not your typical 480V ATS. The ATS shown on Drawing E-25 is intended to switch between UPS power and incoming utility power so that the PLC does not loose power. Provide a din rail mounted ATS as shown on Drawing E-25.
RFI-177		Can we please get clarification that all of the I/Os from the MCCs for the (2) specified PLC panels (LCP-B-1 and LCP-V-1) are only Ethernet points? As per the contract documents, no hard-wire I/O points list are provided for both PLC panels. If hard-wired points are needed, please provide I/O list.	From the MCCs to LCP-B-1 and LCP-V-1 there are only Ethernet connections. From LCP-V-1 the connection to TU-V/1 is an ethernet connection. From LCP-B-1 to TU-56 the connection is a fiber connection.
RFI-178		In Addendum #2, it appears the responses for RFI-003 and RFI-010 were inadvertently cut off by the formatting/size of the cells. Please reissue the full answers to these RFI’s.	The response section has been reformatted. The previously truncated portions of the response have been restored and are identified as Rev. RFI 003 and Rev. RFI 010, as shown below.

Rev 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 CONDUIT AND CONDUCTOR SIZE. EXISTING CONDUIT IS TO BE 3/4-INCH AND THE CONDUCTORS SHALL BE 2#10 AND 1#10G."
Rev 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 are able to be worked on in parallel from the NTP of the project. 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 Contractor's schedule, it will be considered during the project as each occurrence must be submitted for approval. 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 considered on a case by case basis.
RFI-179		The answer to RFI-057 states that we should follow OSHA requirements for hazardous areas. Are any areas on this project classified as hazardous (i.e., Class 1, Div 1 or Div 2, etc.)?	Available UOSA records indicate that no known NFPA/NEC classified hazardous areas are located within the P2NR+ construction limits. However, the Contractor remains responsible for complying with all applicable requirements of the Contract Documents. Regarding site conditions, refer to Specification Section 01 31 13, Paragraph 1.07, and the Instructions to Bidders, Paragraph 5, "Bidder's Understanding".
RFI-180		The answer to RFI-072 says Feeders 3 and 4 are 3#350kcmil 5kV, 1#2G, which matches with the Addendum 2 revisions to Keynotes 1 and 2 on Drawings SE-11 and SE-12. Per the Plant One-Line Diagrams on E-01 and E-02, these appear to be 15kV feeders. Please confirm that the cable should be 15kV, not 5kV.	Feeders 3 and 4 are 15kV feeders. SE-11, SE-12, SE-16, and SE-22 will be updated in a forthcoming Addendum accordingly.
RFI-181		Addendum #2, Drawing E-14, the block diagram for Secondary Sludge Pump Station 58/3 added a feeder from DP-P8AB(2) through a transformer to LP-L8AB(2), but no information is shown for this feeder or the transformer. Please provide the size of the feeders and transformer.	The conduits and conductors are to be reused per Note 2 on Drawing 58-E-01. The transformer size is included in the updated Note 2 on Drawing 58-E-01 per Addendum 2.
RFI-182		Programming Software Licenses: Please confirm if any programming software licenses need to be furnished under the PICS scope.	Application software licenses are not a required deliverable unless required for operation of the preprogrammed PLCs in panels LCP-B-1 and LCP-V-1.

RFI-183		PICS Programming Scope (Spec 40 90 10 1.03 C): The specification says the PLC/DCS programming is by the Owner, but Section 2.04 calls for PICS to furnish two pre-programmed PLC panels for MCCs. Please clarify if any of the programming is in PICS scope.	Section 40 90 10,article 1.03.C.2 shall be revised per a forthcoming addendum to state the following: "2. Application software for DCS logic is provided by the Owner or Engineer and application software associated with the PLC logic associated with Smart MCC mapping as contained in LCP-B-1 and LCP-V-1 is provided by the Contractor."
RFI-184		MCC Monitoring (Spec 40 90 10 Supp. 10): The supplement calls for MCC I/Os to be monitored and displayed locally, but the ORT checklist in Supp. 11 lists DOs for Run Forward and Reset (lines 594-595) and for the gates (lines 572-577). Please clarify if control loops are required for the MCCs and gates.	It is not clear what requirement is being referred to in this question. However, refer to Specification Section 40 90 10 pages 6 and 7 of Supplement 10 for Loop Descriptions for the subject sluice gates and MCC monitoring. Also, refer to section 26 24 19 for data to be communicated for all smart MCCs. Supplement 11 is a comprehensive ORT checkoff list for all I/O to be tested including all smart MCC and hard wired signals. No additional information is required at this time.