



## FAYETTEVILLE PUBLIC WORKS COMMISSION

### PROCUREMENT DEPARTMENT

<https://www.faypwc.com/bids/>

#### Bid Addendum

**PWC Number:** PWC2425049

**Bid Title:** P.O. Hoffer Water Treatment Facility Glenville Lake Water Treatment Facility Post-Filter GAC Adsorption Facilities Contract No.67

**Bid Opening Date and Time:** Thursday, February 26, 2026 @ 2:00 pm

**Addendum Number:** 4

**Addendum Date:** January 30, 2026

**Procurement Advisor:** *Shelby Lesane*  
*procurement@faypwc.com*

1. Addenda acknowledgement is required within the IFB Bid Pricing Form.
2. The solicitation is hereby modified as follows:
  - M1.** Technical Specifications and Drawings: The technical specifications and drawings have been revised. Attached to this Addendum No. 4 includes the changes, additions, deletions, clarifications, etc. Bidders shall take note of these revisions and shall be taken into consideration and be included in their bid proposals.
3. Following are questions received about the solicitation and the SME's answers to the questions.
  - Q1.** Does Section 01 11 00 Summary of Work 1.09 A. 1-7 of the specifications precede/override Section 40 63 43 2.01 E. and 40 71 13.13 through 40 75 53? There are some conflicts between these divisions pertaining to what equipment manufacture the subcontractor is to base their pricing on.
    - A1.** Section 01 11 00 – Summary of Work has been updated to remove Items 2 through 7 from the list provided in 1.09.A (per Addendum 2). The only Owner Pre-Selected Equipment and Material is Granular Activated Carbon media by Calgon. All other equipment and materials shall be based on the suppliers identified in the applicable specification sections.
  - Q2.** Does Section 01 11 00 Summary of Work 1.09 A. 1-7 of the specifications precede/override Section 00 30 00 "Certified List of Major Equipment/Material Manufactures" or any other Section such as 26 29 13.13, 26 29 23 and 40 05 57 etc.. ?
    - A2.** See response provided in A1.
  - Q3.** Section 40 61 13 makes multiple references to specification section 40 60 00 which could not be located in contract documents. Can you give contractors access to Section 40 60 00 ?
    - A3.** For completeness, the section ranges listed in 40 61 13 cover all possible I&C related Division 40 specifications, including specifications that may not apply. The scope for the GC shall be based on the individual specifications included in the bid package.
  - Q4.** Could you confirm that the instrumentation as listed in Section 40 61 91 will be supplied by the Instrumentation and Control System Subcontractor?

- A4.** Except where otherwise noted under the "Remarks" column, the instrumentation as listed in Section 40 61 91 will be supplied by the Instrumentation and Control System Subcontractor. As an example, anything noted as "FUTURE" or "SUPPLIED BY OTHERS" will not be the responsibility of the Instrumentation and Control System Subcontractor as these items have been included in Section 40 61 91 for completeness.
- Q5.** In specification section 40 05 19 (Ductile Iron Pipe) the epoxy linings called for are "Protecto 401 ceramic epoxy lining, Tnemec Perma-Shield PL Series 431, or equal". Permax-CTF ceramic epoxy is also approved for use by Fayetteville PWC (please see spec attached below). Could the approval for Permax-CTF be stated on the next addendum for this project?
- A5.** No, additional manufacturers will be added to the specifications at this time; manufacturer is welcome to submit their product as an "or equal" for approval.
- Q6.** I am wondering just quickly about the allowance amount for the concrete rehabilitation. I see a value, but am not completely sure who or how the work will be procured. Can you help me understand if that is a part of this bid at this time?
- A6.** Yes, the allowance is part of the bid. The scope of work and repair techniques have yet to be defined. Work type, extents, and repair techniques will be determined during construction and negotiated with the Contractor.
- Q7.** I would like to submit a substitution request for Soprema's Hybrid Modified Roof System (Sopra VI and Elastophene HS FR GR) as an option for the built-up bituminous roofing specified in section 075200.
- A7.** No additional manufacturers will be added to the specifications at this time.
- Q8.** We are hoping to bid the washwater FRP troughs on the subject project and were hoping that Protectolite could be added to the list of bidders in the bid form. Could Protectolite be added to the list of names in the bid form for section 46 61 19?
- A8.** The 'CERTIFIED LIST OF MAJOR EQUIPMENT/MATERIAL MANUFACTURERS' in the Bid Form has been revised to reflect the Acceptable Manufacturer list in 46 61 19 2.01.A (per Addendum 2).
- Q9.** Hazen specification section 46 41 17.
- 2.02 B..."provide a homogenous stream at the mixer outlet."
- 2.02 E. "The mixer shall achieve a Coefficient of Variation (CoV) value of 0.05 or less...at a location 6 pipe diameters downstream of the mixer"
- Those two sections conflict and result in different mixing designs. Based on our previous quote, I believe they want the 'E' spec, not the 'B'.
- Also, 1.03 A.4 calls for CFD. This adds significant cost (\$16K) so I will offer this as a line item. We are happy to guarantee CoV without the CFD and generally find it to be an unnecessary cost, but want to comply where required.
- A9.** 46 41 17 2.02 E is the mixing requirement to be met. The specification section 46 41 17 2.02 B has been revised to read: "Mixing shall be by stationary, rigid elements arranged to split and recombine streams. Mixing elements shall be constructed of grade 316L stainless steel (per Addendum 2)." No modifications to the requirement for CFDs will be made at this time.
- Q10.** Are digital signatures for bid documents acceptable in lieu of wet ink signatures?
- A10.** No, digital signatures are not acceptable for submission with the bid documents.

- Q11.** In light of the unprecedented and unpredictable market conditions arising out of or relating to newly enacted or changed tariffs or other enactments and/or changes to laws, regulations, executive orders and other orders or decrees of government officers and authorities relating to ongoing and/or future trade in or with the United States, will the Owner modify the terms of the Contract to provide Contractor with reasonable equitable relief due to the unpredictable effect of such tariffs and market conditions on the cost or time for performance of the Work after the submission of bids or completed negotiations of price?
- A11.** No modifications shall be made to the Contractor to address impacts due to tariffs or other regulatory changes.
- Q12.** Is Val-matic an acceptable manufacturer for the butterfly valves for this project?
- A12.** Acceptable manufacturers for butterfly valves are listed in 40 05 64 2.01.A.
- Q13.** Some of the conduit and wire schedules say connect to equipment "Via disconnect" but when you go to the one lines and power plans there is no disconnect shown. For example - conduit ID's P-450-056, 057, 061, 062, 066 and 067 on the Glenville set of drawings sheet E455.
- A13.** See response in Addendum 3.
- Q14.** Please confirm that there is not new fencing scope associated with this project.
- A14.** Confirmed. There will be no new fencing required.
- Q15.** What is the manufacturer of the owners existing key system for the PO Hoffer and Glenville Lake facility?
- A15.** PO Hoffer and Glenville Lake use a key scan system furnished by Gill Security. No manual keys need to be provided. See specification change in Addendum 3.
- Q16.** Is the contractor responsible for including the cost of the GAC media removal and replacement (beyond the initial placement - additional \$13,186,864.80 on top of the \$5,408,282.25 in the bid form cash allowance) in the project value for this project? Or will the owner pay for the removal and replacement of the media directly with Calgon Carbon Corporation outside of this contract?
- A16.** No, the Contractor is not responsible for media removal and replacement beyond the initial placement. Contractor is only responsible for initial GAC media supply and installation.
- Q17.** If yes to Question #7, please confirm that the contractor for the project will not be required to be onsite for the 2 year and 3 year media swapouts.
- A17.** Confirmed. This is not required.
- Q18.** Are revit models available to be sent to the bidding contractors for the GAC facilities?
- A18.** No Revit models are not available to the bidding contractors; however Revit models are available to the awarded contractor at their request for use during construction.
- Q19.** Regarding liquidated damages, please confirm that the language of the contract can be negotiated with the apparent low bidder to establish a fair and reasonable daily cost of liquidated damages past substantial completion based on actual damages by the owner as a result of delay. Additionally, can a maximum aggregate of liquidated damages be established with the apparent low bidder?

- A19.** No, liquidated damages are non-negotiable and there will be no maximum aggregate defined for liquidated damages.
- Q20.** Can the rough openings in the roof be reduced so the OCD for the S-lines (smaller fixed skylights) is no greater than 5'x10'? The RO for the S-lines is 5x10. If you build out from this point and include the dimensions of the necessary curbs S-lines cannot be used. We would then need to change the design to a removable ridge and the curbs would need to be much more substantial than what they currently show.
- A20.** Bid as shown in the documents.
- Q21.** If the rough opening in Question 11 is not approved, please confirm that removable ridge roofs are acceptable and the curbs will be 8" wide (min).
- A21.** Clarify as to whether this is to replace the pyramid or shed skylight with a ridge, curbs to be min of 8" wide.
- Q22.** Per one skylight manufacturer - they recommend against using wood blocking for skylight attachment to the structure and recommend that the skylight is directly attached to concrete. Confirm that this is acceptable.
- A22.** Keep detail as is for bidding purposes.
- Q23.** Confirm that shop drawings will suffice as installation and/or reinstallation instructions.
- A23.** Installation and reinstallation instructions should be provided in the shop drawings and O&M manuals per specifications 01 33 00 and 01 78 23.
- Q24.** With the nozzle check valves having Noreva listed as the only manufacturer I was seeing about if there is an equal to use? I looked at their site and seen they are based out of Germany wondering if they would meet BABA requirements. I have reached out to them with an email but also trying to get ahead of the curve if possible.
- A24.** The Engineer has not vetted an or equal nozzle check valve manufacturer. Contractor may identify an or equal in the bid package should they choose.
- Q25.** I have a question for the GAC Feed and GAC Backwash VFDs on this job. Normally H&S indicates what type of harmonic filtering they want for each VFD...but I don't see any type of harmonic filtering indicated on E210 & E211 drawings. Are they okay with standard 6-pulse VFDs for this job with no harmonic filtering as they have indicated below? I see harmonic distortion testing required after installation...but no requirement for harmonic analysis.
- A25.** All drives are to be 18-pulse VFDs – Drawings are being updated to reflect this. As there should be no additional harmonic mitigation needed, harmonic distortion testing after the installation is for record purposes.

**Attachment:**

**Addendum No. 4 – Technical Specifications and Drawings**

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**ADDENDUM NO. 4 – TECHNICAL SPECIFICATIONS AND DRAWINGS**

**Date:** 01/28/2026

**Project:** P.O. Hoffer Water Treatment Facility and Glenville Lake  
Water Treatment Facility – Post-Filter GAC Adsorption  
Facilities – Contract No. 067

**Owner:** Fayetteville Public Works Commission (PWC)

**Engineer:** Hazen and Sawyer

To All Bidders:

Contractors submitting Proposals for the above-named Project shall take note of the following changes, additions, deletions, clarifications, etc., in the Contract Documents, which shall become part of and have precedence over anything contrarily shown or described in the Contract Documents, and all such shall be taken into consideration and be included in the Contractor's Bid Proposal.

All other general items, conditions, drawings, and specifications shall remain the same. Please acknowledge the receipt of Addendum No. 4 with the Bid Form.

Refer to the Attached Sheets.

**The return receipt requested with the communication will be deemed evidence that the bidder has received this Addendum and has followed the instructions outlined herein. Please sign, date, clearly print company name, and email this sheet back to PWC at [procurement@faypwc.com](mailto:procurement@faypwc.com).**

\_\_\_\_\_  
Company Name

\_\_\_\_\_  
Acknowledgement of Receipt

\_\_\_\_\_  
Date



D. Cory Hopkins  
2026.01.29  
15:42:31-05'00'

D. Cory Hopkins HAZEN AND SAWYER

**P.O. Hoffer Water Treatment Facility and Glenville Lake Water  
Treatment Facility – Post-Filter GAC Adsorption Facilities – Contract No. 67**

**Addendum No. 4**

**GENERAL:**

For reference, the mandatory pre-bid meeting attendee list has been posted to the PWC Procurement website (<https://www.faypwc.com/bids/>). There is no planholders list available to share.

The Pre-Bid Meeting materials are provided as **Attachment #1**.

**SPECIFICATIONS:**

00 30 00 On the Certified List of Major Equipment/Material Manufacturers, Under Section 26 29 23 Low Voltage Variable Frequency Motor Controllers Remove Eaton, Square D, and Toshiba and add Yaskawa. The list should read ABB, Allen-Bradley, and Yaskawa.

26 29 23 Revise 2.01 C to read as follows: The VFDs shall be manufactured by Rockwell Automation (Allen-Bradley), ABB, or Yaskawa.

Revise 2.03 A to read as follows: The VFD unit shall be the Rockwell Automation (Allen-Bradley) PowerFlex 750 series, ABB ACQ 580 series, or Yaskawa equivalent.

31 00 01 The following shall be added as Section 2.08 – ‘Compacted Clay Liner’:

- A. If determined necessary, a 12-inch compacted clay liner shall be placed at the base of proposed SCMs as shown on the Contract Drawings
- B. Compacted clay liner shall have a maximum permeability of  $1 \times 10^{-6}$  cm/sec at a moisture content 0 to 4% above Optimum Moisture Content (ASTM D-698).
- C. Compacted clay liner consists of materials classifying as SC, GC, CL, CH, MH, or CL-ML per ASTM D-2487 with a plasticity index greater than 10 per ASTM D-4318.
- D. Compacted clay liner material shall consist of well-graded natural earth material that is not excessively dry or saturated and shall be substantially free of organic materials, debris, waste, frozen materials, vegetation, roots, and any other deleterious materials.
- E. The Contractor shall be responsible for furnishing testing results or testing services by an independent Materials Testing Consultant to certify classification and properties of material as provided in this section for any offsite or onsite material to be used as Compacted Clay Liner.
- F. Compacted clay liner material shall be free of cobbles, stones, rock, gravel or boulders greater than 2-inches in diameter.

## DRAWINGS:

- A101 Renovation to existing control room at Glenville Lake Water Treatment Facility, as shown in **Attachment #2.**
- C120 Remove Culvert and Rip Rap Outlet Pad. Add 12" PVC Storm Drain connection to existing drop inlet as shown in **Attachment #3.**
- C131 Add Riverstone Apron to Trench Drain. Add Dry Pond Outlet Structure, 12" PVC Storm Drains, Drop Inlet, Guardrail and associated grading changes as shown in **Attachment #4.**
- C132 Move Trench Drain and Riverstone Apron to the opposite side of the GAC Facility. Remove Culvert and Rip Rap Outlet Pad. Add Guardrail and Dry Pond Grading and Clay Liner as shown in **Attachment #5.**
- Add Note 6: "Contractor shall install Dry Pond with Compacted Clay Liner as specified in specification 31 00 01, Section 2.08."
- CD10 Move Detail #4 – Emergency Spillway to CD11, renumber as Detail 6. Replace Detail #4 with Storm Dry Pond Outlet Structure Detail as shown in **Attachment #6.**
- H450 Revised AHU-450-1/AHU-450-2 unit ductwork mounting height to ensure clearance from electrical equipment. Revised plan notes, as shown in HVAC TOP PLAN, included in **Attachment #7.**
- E210 Revised single line diagram SWBD-POH-GAC to change the backwash and feed pump VFDs from 6 Pulse to 18 Pulse as shown in **Attachment #8.**
- E211 Revised single line diagram SWBD-POH-GAC to change the backwash and feed pump VFDs from 6 Pulse to 18 Pulse as shown in **Attachment #9.**
- E218 Revised Riser Diagram RTU-21 to remove FE/FIT-33146 as shown in **Attachment #10.**
- E226 Revised Conduit and Wire Schedule. Added conductors to conduit number C-200-197 for the VCP-DRAIN PUMPS 1 & 2 as shown in **Attachment #11.**
- E227 Revised Conduit and Wire Schedule. Removed FIT-33146 from conduit number I-200-019. Changed GAC MOV conduit sizes from ¾" to 1" for conduits I200-022, I-200-029, I-200-036, I-200-043, I-200-050, and I-200-057 as shown in **Attachment #12.**
- E227 Revised Conduit and Wire Schedule. Changed GAC MOV conduit sizes from ¾" to 1" for conduits I200-064, I-200-071, I-200-081, I-200-088, I-200-095, and I-200-102 as shown in **Attachment #13.**
- E453 Revised Panel Schedule LP-GL-GAC-EB. Edited description for circuit #1 to add "GAC FEED PUMP FLOW". Removed FIT-36142 and load information from circuit #3. Removed AIT-35146 from the description and revised the load information for

circuit #13 to reflect removal of the transmitter. Revised panelboard load information as shown in **Attachment #14.**

- E453 Added FIT-35142 Flow Meter riser diagram. Removed "EXISTING" from all circuit descriptions being supplied from LP-GL-GAC-EB. Removed transmitter AIT-35146 from the Analyzer riser diagram as shown in **Attachment #15.**
- E453 Revised RTU-7 riser diagram to remove AIT-35143 and connect AE-35146 as shown in **Attachment #16.**
- E455 Revised conduit and wire schedule to remove "VIA DISCONNECT SWITCH" from the descriptions for conduits P-450-056, P-450-057, P-450-061, P-450-062, P-450-066, P-450-067, P-450-071, P-450-074. Added FIT-35142 GAC Feed Pump Flow wire and conduit to conduit entry P-450-085 as shown in **Attachment #17.**
- E456 Revised conduit and wire schedule to change conductor numbers from 2 #16/TSP to 3 #16/TSP. Changed conduit I-450-035 From IPS-OB2 to AIT-35143 as shown in **Attachment #18.**
- E508 Revised Panel Schedule LP-GL-GAC1 to remove contents from circuit #5 and make and revised to make it spare as shown in **Attachment #19.**
- E510 Removed FIT-35142 from the Flow Transmitter riser diagrams. Revised Flow Transmitter circuits to be supplied from LP-GL-GAC to LP-GL-GAC1 as shown in **Attachment #20.**
- E510 Revised Level Transmitter circuits to be supplied from LP-GL-GAC to LP-GL-GAC1 as shown in **Attachment #21.**
- E519 Removed FIT-35142 GAC Feed Pump entry from conduit P-500-141 as shown in **Attachment #22.**
- S101 Revised concrete divider wall thickness in BOTTOM PLAN and SECTION E, and revised adhesive anchor embedment in BOTTOM PLAN, included in **Attachment #23.**
- S102 Revised adhesive anchor embedment in SECTION F, included in **Attachment #24.**
- S300 Revised concrete divider wall thickness in BOTTOM PLAN and SECTION E, included in **Attachment #25.**

## **ATTACHMENTS:**

- Attachment #1: PWC GAC Pre-Bid
- Attachment #2: A101 – Demolition and Floor Plan
- Attachment #3: C120 – Revised Civil Site Plan Sheet 1 of 4
- Attachment #4: C131 – Revised Civil Site Plan Sheet 2 of 4
- Attachment #5: C132 – Revised Civil Site Plan Sheet 3 of 4
- Attachment #6: CD10 – Revised Civil Site Plan Sheet 4 of 4
- Attachment #7: H450 – Revised Plan Notes
- Attachment #8: E210 – Revised SWBD-PO-GAC Single Line Diagram
- Attachment #9: E211 – Revised SWBD-PO-GAC Single Line Diagram
- Attachment #10: E218 – Revised RTU-21 Riser Diagram
- Attachment #11: E226 – Revised Conduit and Wire Schedule
- Attachment #12: E227 – Revised Conduit and Wire Schedule Sheet 1 of 2
- Attachment #13: E227 – Revised Conduit and Wire Schedule Sheet 2 of 2
- Attachment #14: E453 – Revised Panel Schedule LP-GL-GAC-EB
- Attachment #15: E453 – Revised Riser Diagram
- Attachment #16: E453 – Revised RTU-7 Riser Diagram
- Attachment #17: E455 – Revised Conduit and Wire Schedule
- Attachment #18: E456 – Revised Conduit and Wire Schedule
- Attachment #19: E508 – Revised Panel Schedule LP-GL-GAC1
- Attachment #20: E510 – Revised Flow Transmitter Riser Diagrams
- Attachment #21: E510 – Revised Level Transmitter Riser Diagrams
- Attachment #22: E519 – Revised Conduit and Wire Schedule
- Attachment #23: S101 – Revised Structural Drawing Sheet 1 of 3
- Attachment #24: S102 – Revised Structural Drawing Sheet 2 of 3
- Attachment #25: S300 – Revised Structural Drawing Sheet 3 of 3

**Attachment #1**  
**PWC GAC Pre-Bid**

**Hazen**



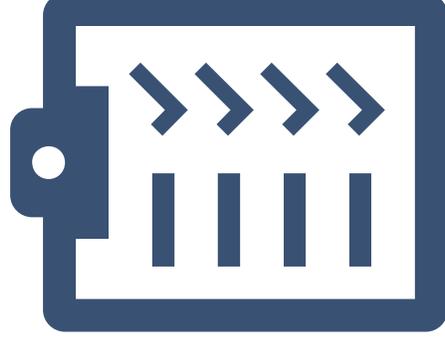
# P.O. Hoffer and Glenville Lake Water Treatment Facilities Post-Filter GAC Adsorption Facilities Pre-Bid Meeting

January 6, 2025

**Presentation Slides are for  
Reference Only  
Bid Documents & Addenda  
are Binding**

# Agenda

- Introductions
- Project Purpose
- Bid & Project Schedules
- Contract Documents
- Bidding Requirements
- Funding
- Description of Project / Summary of Work
- Coordination with Owner's Operations
- Questions



# Introductions

## Welcome and Introductions

- Owner: Fayetteville Public Works Commission
  - Project Manager: Vance McGougan, P.E.
  - Water Treatment Facilities Manager: Jason Green
  - Procurement Advisor: Shelby Lesane
- Engineer: Hazen and Sawyer
  - Design Manager: Jared Hostetler, P.E.
  - Project Engineer: Carter Day
  - Project Manager: Cory Hopkins, P.E.



# Project Purpose

# Project Purpose



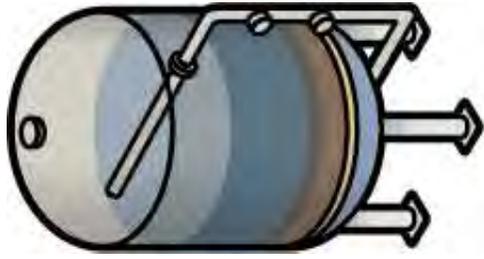
*To remove PFAS (“forever chemicals”) from the drinking water to comply with the EPA’s finalized PFAS Rule.*

PFAS	Final MCL	Final MCLG
PFOA	4.0 ppt	Zero
PFOS	4.0 ppt	Zero
PFNA	10 ppt	10 ppt
PFHxS	10 ppt	10 ppt
HFPO-DA (GenX)	10 ppt	10 ppt
Mixtures containing two or more of PFHxS, PFNA, HFPO-DA, and PFBS	Hazard Index of 1 (unitless)	Hazard Index of 1 (unitless)

**Anticipated compliance deadline: Q2 of 2031**

# Project Purpose

GAC, Ion Exchange and NF/RO are designated by USEPA as “Best Available Technologies”



PFAS Adsorption  
GAC or IX



**GAC Selected**



PFAS Separation  
NF/RO Membranes

# Bid & Project Schedules

# Bid Schedule



- **Pre-Bid Meeting**
  - Today – January 6, 2025
- **Site Visits (Start at Hoffer)**
  - Today – January 6, 2025 at 1:00pm
  - January 13, 2025 at 1:00pm
  - Others available upon request
- **Deadline for Questions**
  - January 16, 2026
- **Last Addendum**
  - January 23, 2026

## **Bid Opening**

**January 27, 2026 @ 2:00pm**

**PWC Administration Building, Conference Room 107  
955 Old Wilmington Road, Fayetteville, NC 28301**

# Project Schedule



**Estimated Notice-To-Proceed – April 2026**

**Contract Duration = 1095 calendar days (3 years)**

# Contract Documents and Addenda

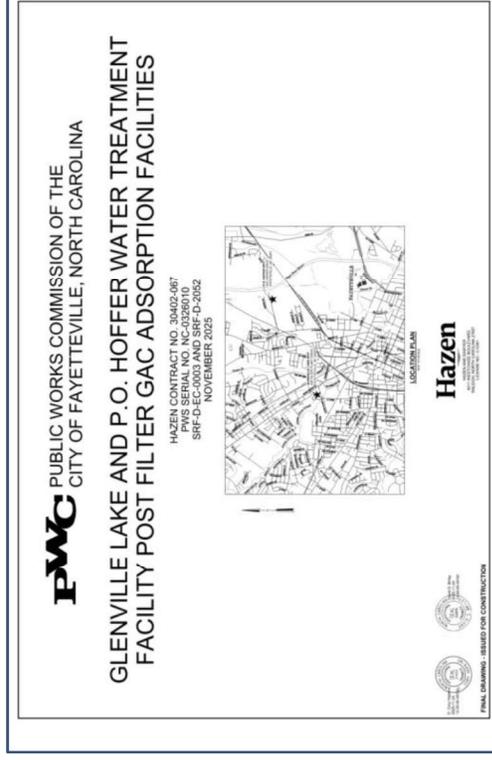
# Contract Documents



- Contract Documents can be viewed and downloaded from PWC's Procurement website
  - <http://www.faypwc.com/purchasing>
- Other viewing/downloading options:
  - Fayetteville State University Construction Resource Office (<https://www.uncfsu.edu/academics/colleges-schools-and-departments/broadwell-college-of-business-and-economics/outreach-centers/construction-resource-office>)
  - ISQFT Plan Room ([isqftmr@gmail.com](mailto:isqftmr@gmail.com))
  - McGraw-Hill Construction/Dodge Plan Room ([dodgedocumentca@mhfi.com](mailto:dodgedocumentca@mhfi.com))
  - Hazen and Sawyer – Raleigh ([PWCGAC@hazenandsawyer.com](mailto:PWCGAC@hazenandsawyer.com))

# Contract Documents

- Contract Documents consist of:
  - Front Ends
  - Technical Specifications
    - Appendices - FIO
  - Contract Drawings



# Addenda



- All questions about the meaning or intent of the Contract Documents shall be submitted to PWC Procurement (attention: Shelby Lesane, Procurement Advisor II)
  - [procurement@faypwc.com](mailto:procurement@faypwc.com)
- Addenda distribution
  - Posted to PWC purchasing website – <https://www.faypwc.com/purchasing/>
- Addenda will consist of materials that supplement or change the Front End, Technical Specifications, or Drawings
- Planholders List and Pre-Bid Meeting Materials (including attendee list) will be made available via addendum.

# Bidding Requirements

# Bidding Requirements

- Bid Form is included as Section 00 300
- Refer to Section 00 100 Instructions to Bidders and Bid Submittal Checklist 
- Acknowledge receipt of Addenda
- Identify Major Subcontractors and Equipment/Material Manufacturers
- Bid security not less than 5% of the total aggregate amount of the bid

## BID SUBMITTAL CHECKLIST

1. Enter Contractor's License Number where called for in the Bid Form and on the outside of the sealed envelope containing the Bid.
  2. Photocopy of Contractor's License.
  3. Bid Bond
  4. Bid Forms Section 00300.
  5. Provide the responsible North Carolina Registered Agent for Insurance Claims. Include contact information.
  6. Provide the proposed responsible Bonding Company name. Include contact information.
  7. List of proposed Subcontractors and material suppliers exceeding 5% of the Contract Value.
  8. Non-Collusive Affidavit.
  9. Nondiscrimination Clause.
  10. Affidavit of Organization and Authority and Sworn Statement.
  11. Equal Employment Opportunity Acknowledgment.
  12. Certification regarding Debarment, Proposed Debarment, and other Responsible Matters.
  13. FTA Certification Regarding Lobbying.
  14. Identification of Minority Business Participation Form.
  15. NC DWI MBE/WBE (DBE) Compliance Supplementals and Attachments
  16. SLS / MWDBE Disclosure Form.
  17. The Completed Contractor Qualification Form.
- \*\*FAILURE TO SUBMIT THE ABOVE FORMS WITH THE BID FORM PROVIDED HEREIN MAY BE JUST CAUSE FOR REJECTION OF THE BID BY THE OWNER\*\***

# Bid Form

- Base Bid
- GAC Facilities at both plants
- Cash allowances for sole-sourced material/equipment items and structural repairs

- No Alternate Bids

TOTAL SINGLE PRIME LUMP SUM BID PRICE					
Bid Item	Description	Quantity	Unit	Extended Total	
1	GAC media	1	LS	\$5,408,282.25	
2	Electric actuators	1	LS	\$1,544,600.00	
3	Motor controllers and VFDs	1	LS	\$X,XXX,XXX.XX	
4	pH-ORP, chlorine, and turbidity analyzers	1	LS	\$68,760.00	
5	Radar level sensors/transmitters	1	LS	\$72,488.00	
6	DIP sensors/transmitters	1	LS	\$107,168.70	
7	Structural repairs	1	LS	\$250,000.00	
8	All other work excluding Bid Items 1 – 7	1	LS		
<b>TOTAL – SUM OF BID ITEMS 1 – 8 (in numerals)</b>					

The TOTAL SINGLE PRIME LUMP SUM BID PRICE for completing all work included in this Contract (sum of Bid Items 1 – 8), shall be as follows (in words):

\_\_\_\_\_ Dollars and \_\_\_\_\_ Cents.

CONTRACTOR \_\_\_\_\_ (Print)

# Funding

# Funding

- Project is being funded through the Drinking Water SRF administered by NC DEQ Division of Water Infrastructure
  - IIJA
  - BIL
  - SRF
- Funds earmarked for Emerging Contaminants (PFAS)
- Positive efforts to use small and minority-owned businesses
  - Comply with DWI MBE/WBE documentation requirements
  - State goal = 10% combined (minority and women)
- Build America Buy America requirements apply to this project

## **EMPLOYEE RIGHTS UNDER THE DAVIS-BACON ACT**

### **FOR LABORERS AND MECHANICS EMPLOYED ON FEDERAL OR FEDERALLY ASSISTED CONSTRUCTION PROJECTS**

#### **THE UNITED STATES DEPARTMENT OF LABOR WAGE AND HOUR DIVISION**

##### **PREVAILING WAGES**

You must be paid not less than the wage rate listed in the Davis-Bacon Wage Decision posted with this Notice for the work you perform.

##### **OVERTIME**

You must be paid not less than one and one-half times your basic rate of pay for all hours worked over 40 in a work week. There are few exceptions.

##### **ENFORCEMENT**

Contract payments can be withheld to ensure workers receive wages and overtime pay due, and liquidated damages may apply if overtime pay requirements are not met. Davis-Bacon contract clauses allow contract termination and debarment of contractors from future federal contracts for up to three years. A contractor who falsifies certified payroll records or incurs wage disputes may be subject to civil or criminal prosecution, fines and/or imprisonment.

##### **APPRENTICES**

Apprentice rates apply only to apprentices properly registered under approved Federal or State apprenticeship programs.

##### **PROPER PAY**

If you do not receive proper pay, or require further information on the applicable wages, contact the Contracting Officer listed below:

or contact the U.S. Department of Labor's Wage and Hour Division.



For additional information:  
**1-866-4-USWAGE**  
(1-866-487-9243) TTY: 1-877-889-5627  
**WWW.WAGEHOUR.DOL.GOV**



U.S. Department of Labor | Employment Standards Administration | Wage and Hour Division  
DO NOT POST ON SOCIAL MEDIA

# MBE / WBE (DBE) Compliance Supplement Instructions

	<b>Item</b>	<b>What to do with it</b>
	Good Faith Efforts Form	Provided by all bidders to be responsive Only low bidder's form is submitted to the State
	Table A (Summary of firms on job)	Provided by all bidders to be responsive Only low bidder's form is submitted to the State
	Table B (per item being subbed)	Provided by low bidder if SRF project or SRP/SEL* that obtains less than 10% M/WBE utilization (see page 2)
	Provide documentation of anything you did that is mentioned later in this supplement	<ul style="list-style-type: none"><li>- Proof of trade paper advertisement</li><li>- Printouts of DBE sources used</li><li>- Solicitation emails and/or letters</li></ul>

## DOCUMENTATION SUBMITTED WITH BID

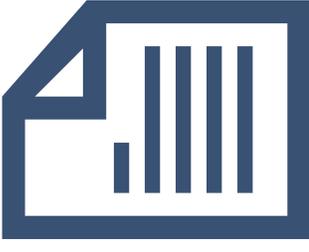
# Permits

# Permits

- Permits already secured:
  - Erosion and Sediment Control (NCDEQ)
  - Authorization to Construct (NCDEQ)
  - 401 Water Quality Certification (NCDEQ)
  - Infrastructure (Fayetteville)

- See Appendix C in Technical Specifications

- Contractor responsible for obtaining all other permits



# Project Location and Components

# Project Location

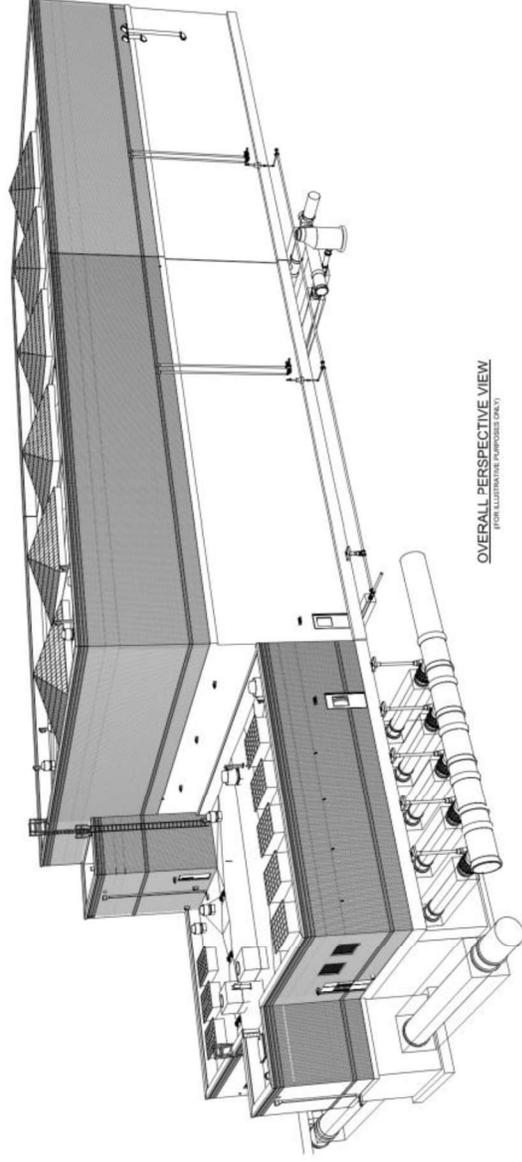


# P.O. Hoffer Water Treatment Facility

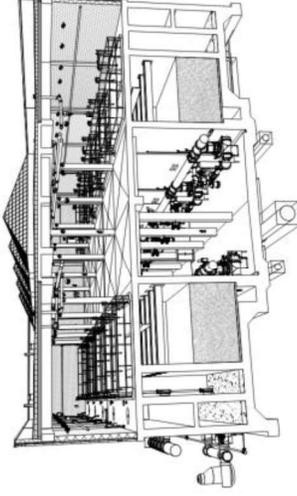
# GAC Facilities – P.O. Hoffer



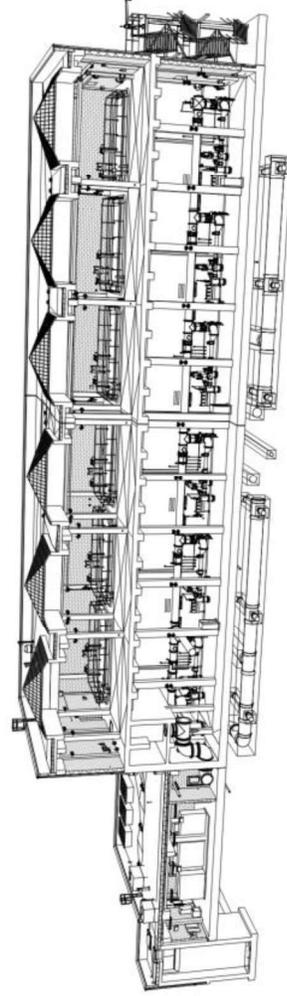
# GAC Adsorption Facility



OVERALL PERSPECTIVE VIEW  
(FOR ILLUSTRATIVE PURPOSES ONLY)



PERSPECTIVE SECTION 2  
(FOR ILLUSTRATIVE PURPOSES ONLY)



PERSPECTIVE SECTION 1  
(FOR ILLUSTRATIVE PURPOSES ONLY)

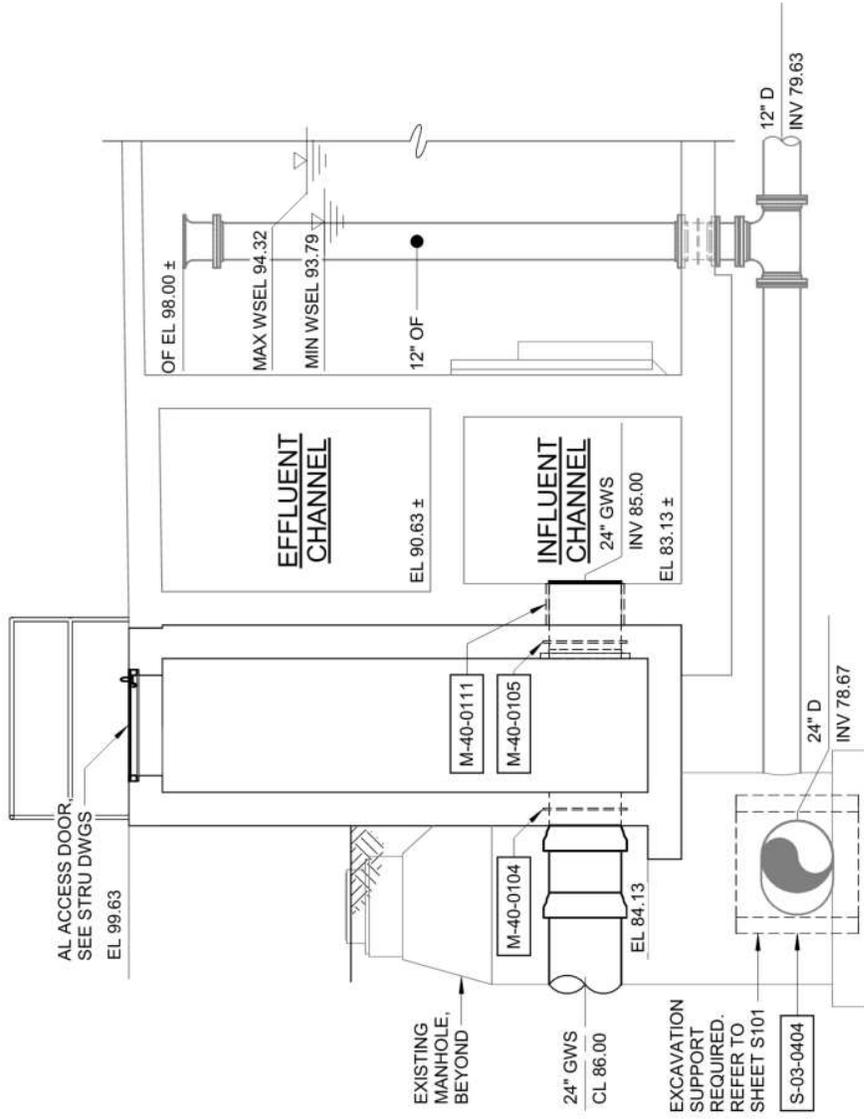




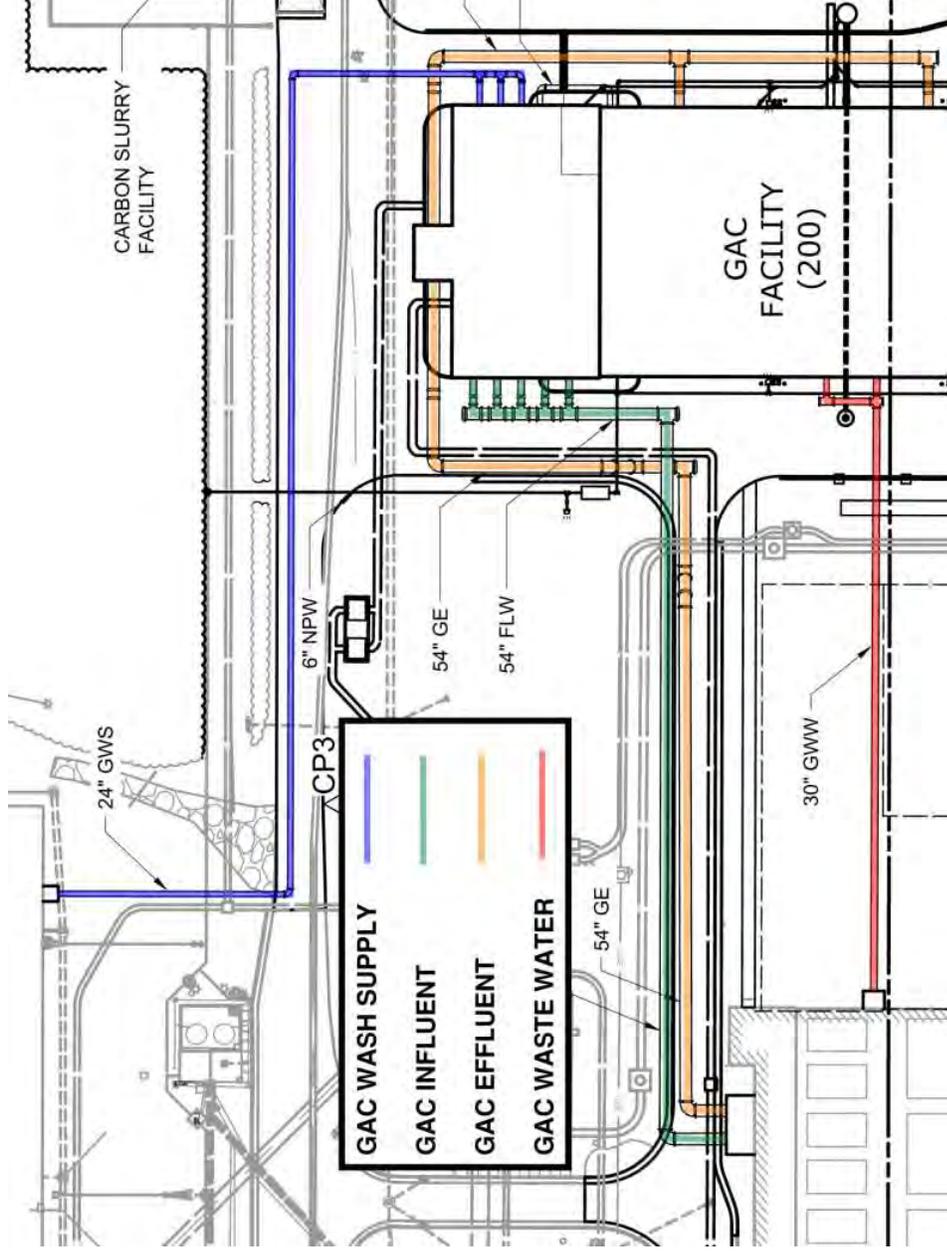


# 12-MG Clearwell Modification

- Tie-in new 24" backwash piping
- Address continuous leakage

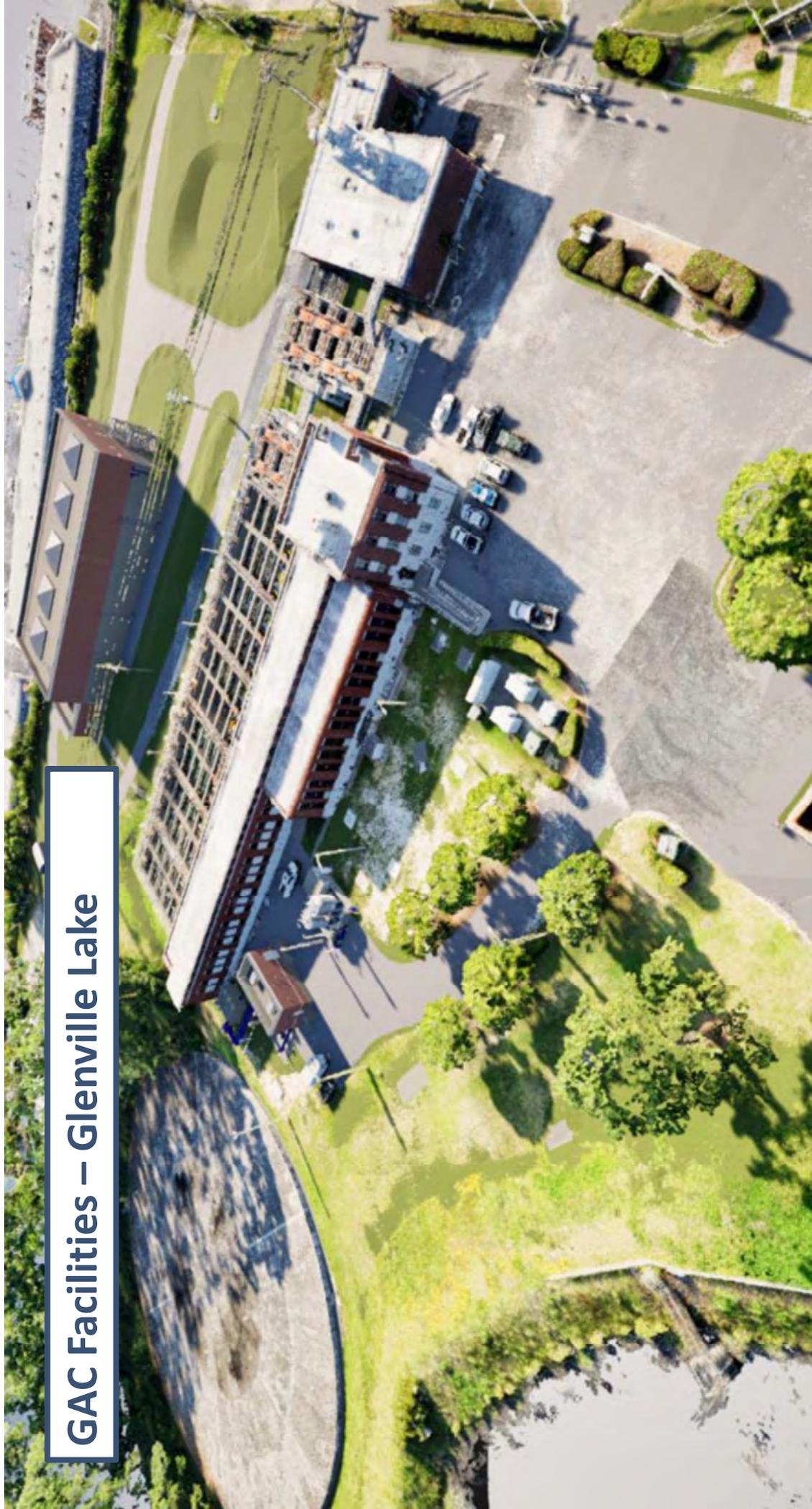


# Large-Diameter Yard Piping

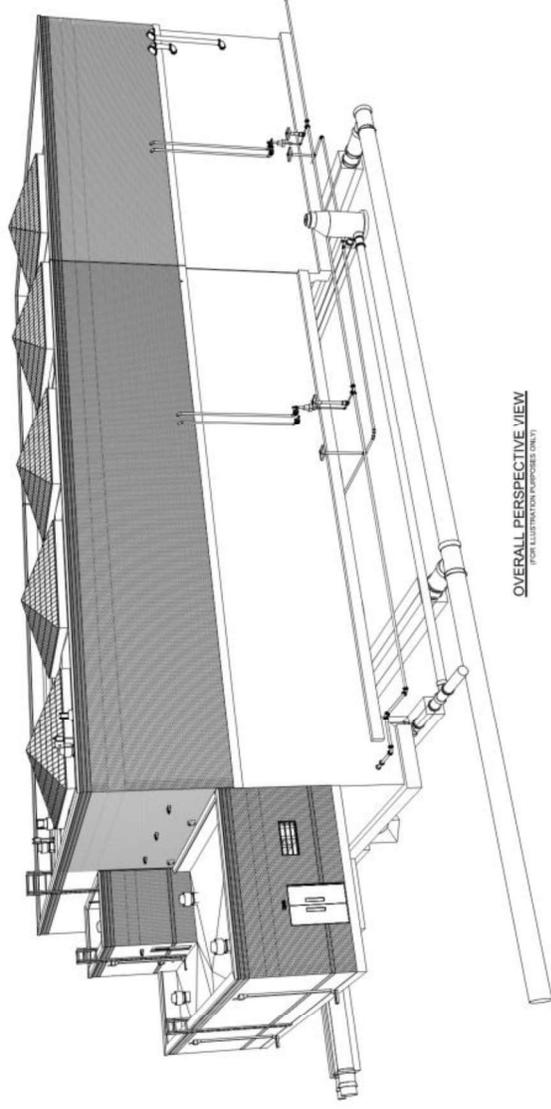


# Glenville Lake Water Treatment Facility

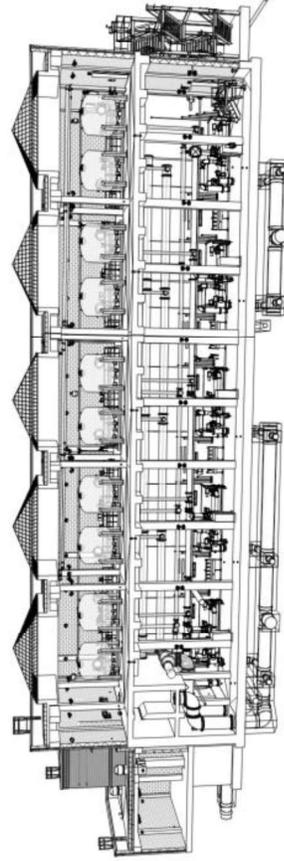
# GAC Facilities – Glenville Lake



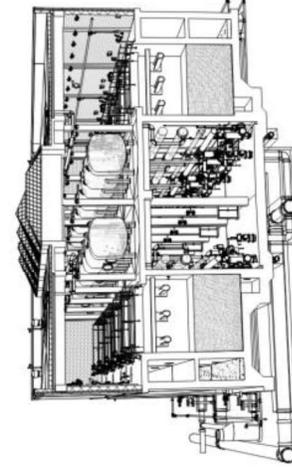
# GAC Adsorption Facility



OVERALL PERSPECTIVE VIEW  
(FOR ILLUSTRATION PURPOSES ONLY)



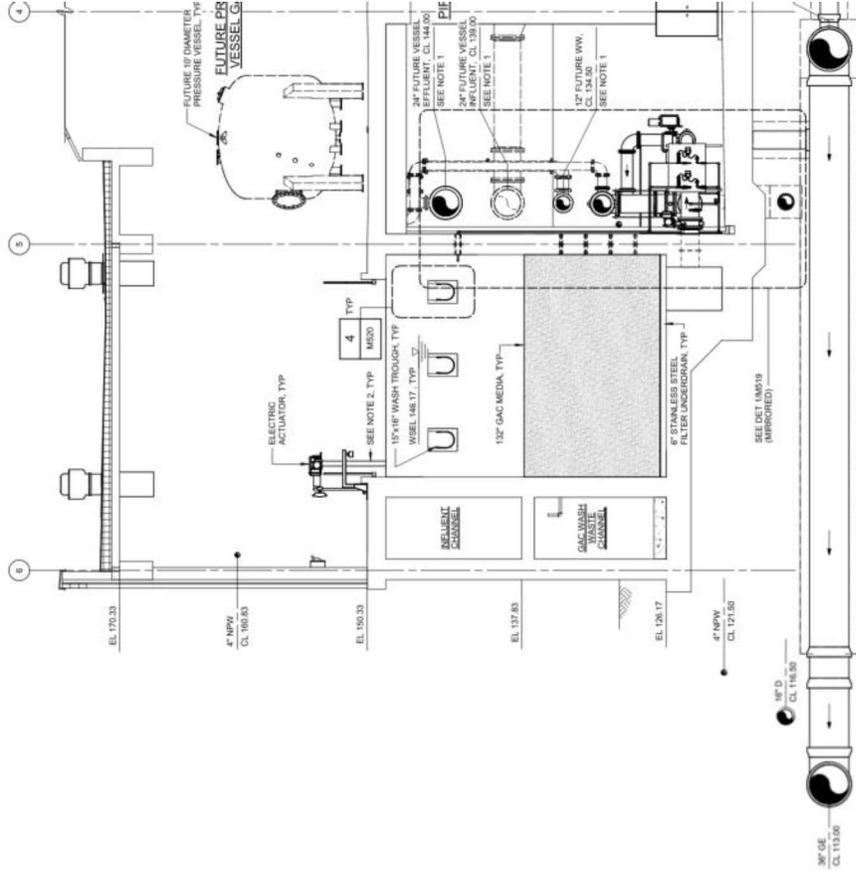
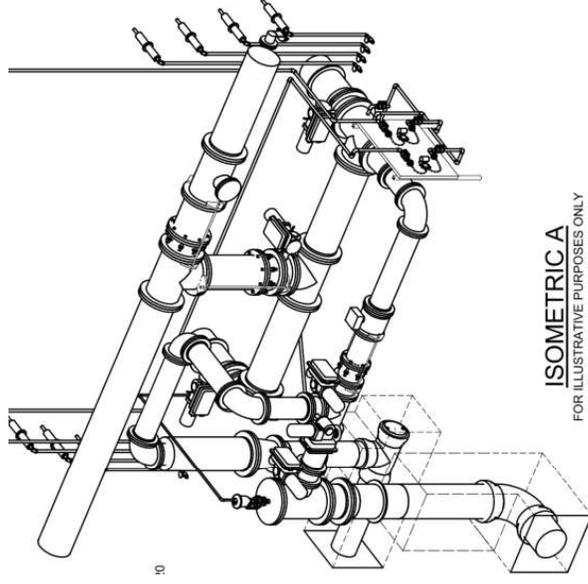
PERSPECTIVE SECTION 1  
(FOR ILLUSTRATION PURPOSES ONLY)



PERSPECTIVE SECTION 2  
(FOR ILLUSTRATION PURPOSES ONLY)

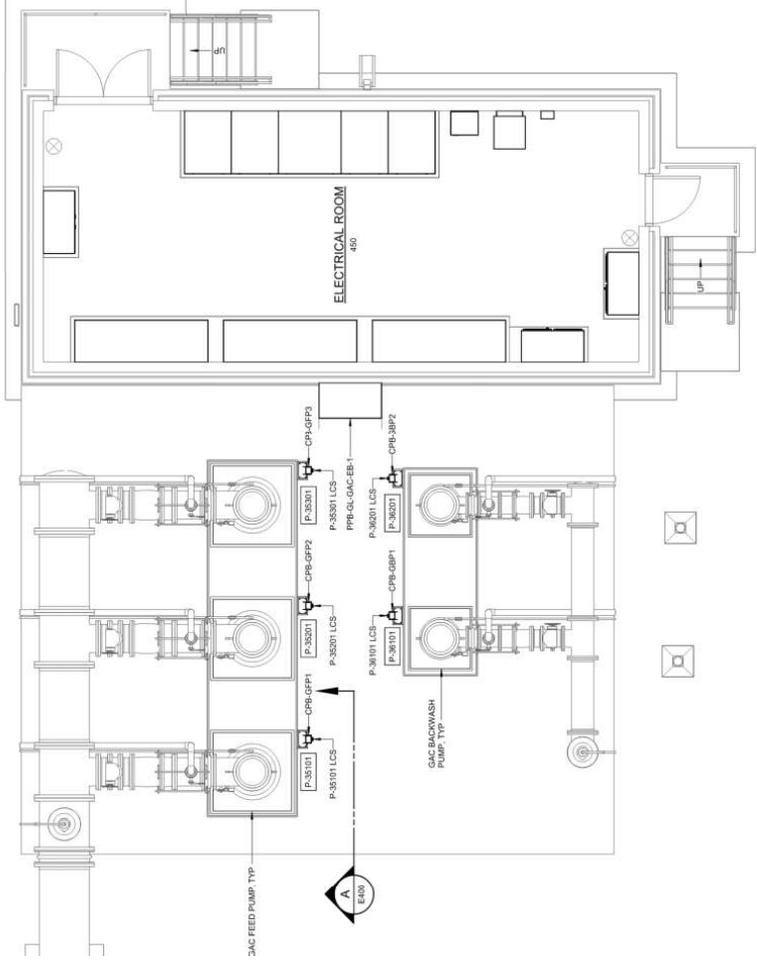
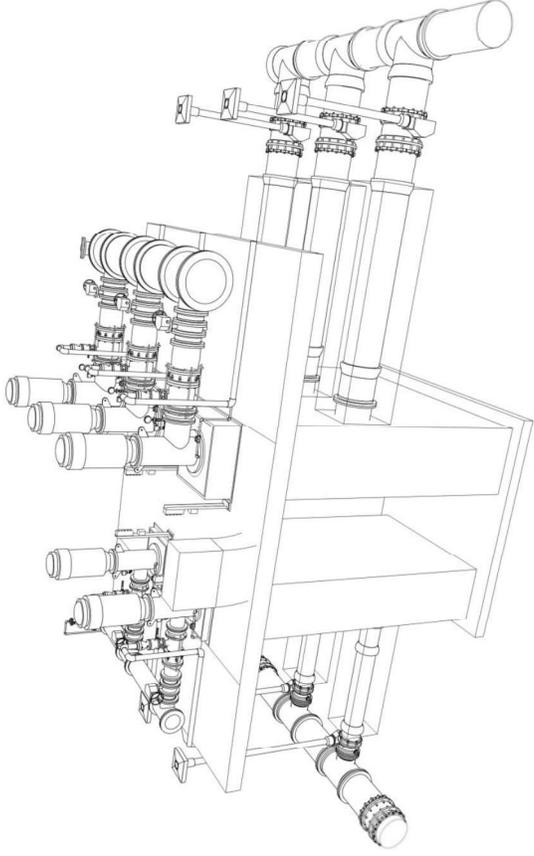
# GAC Adsorption Facility

- Ten (10) dual-cell deep bed GAC media contactors
- 11' media depth, ~45K cubic feet total

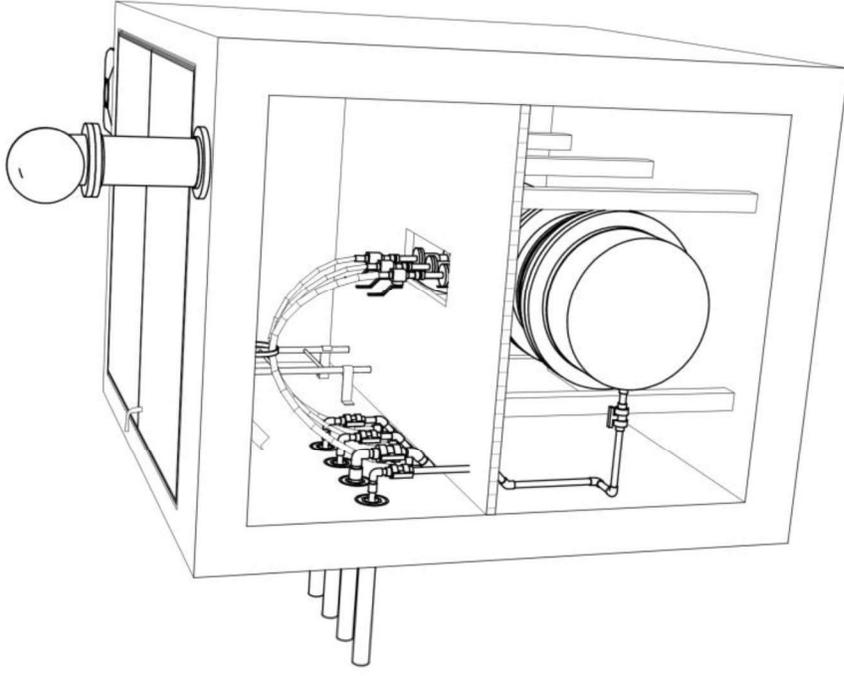


# Outdoor Can Vertical Turbine Pump Station

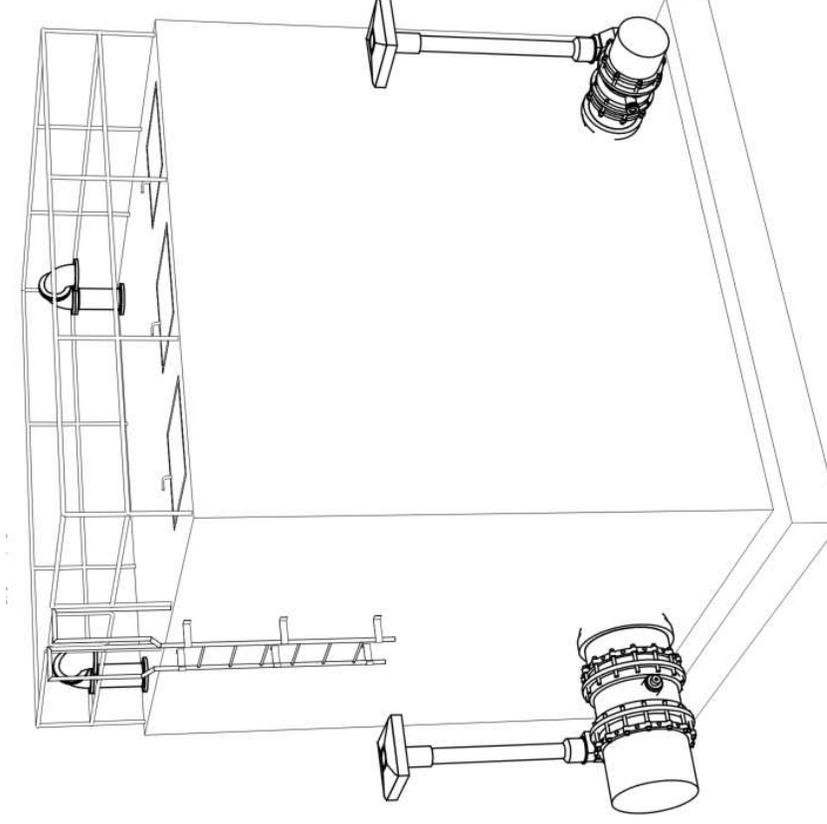
- Three (3) 12-mgd intermediate lift pumps
- Two (2) 4.5-mgd backwash pumps



# Chemical Injection Vault and Splitter Box

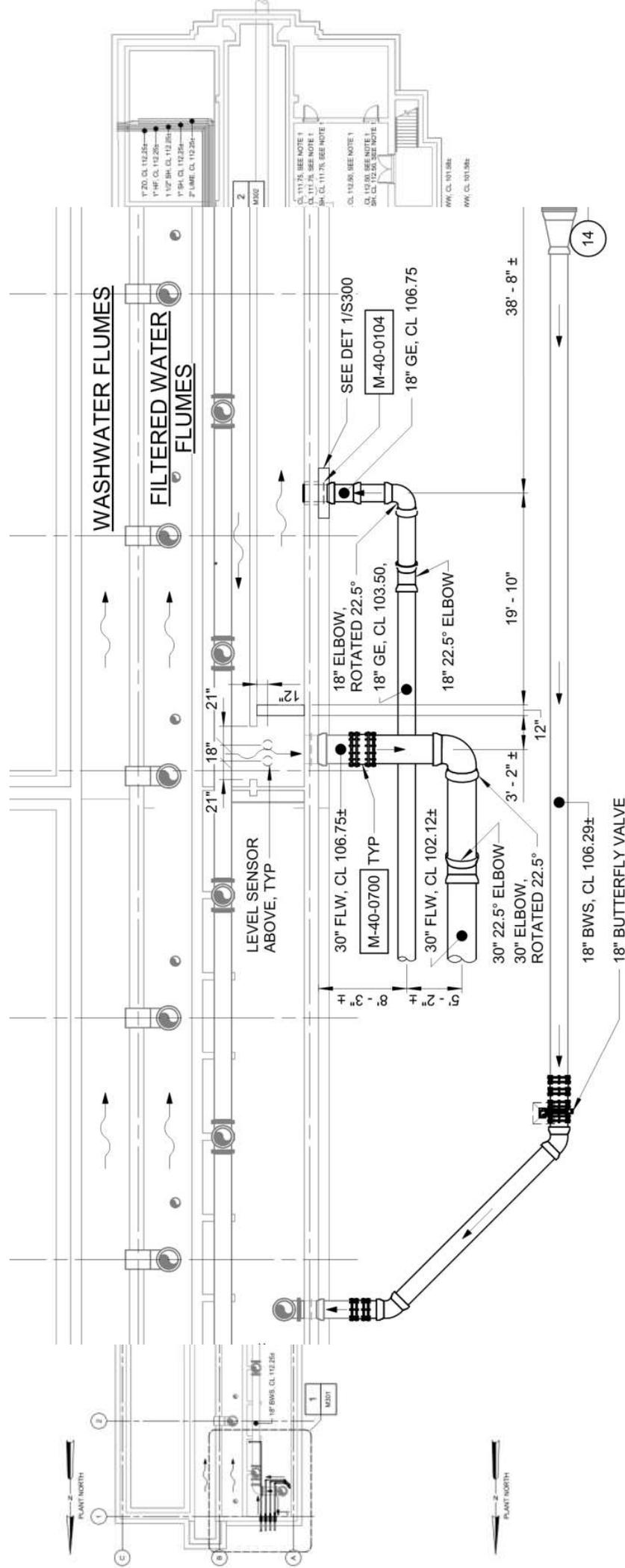


Chemical Injection Vault

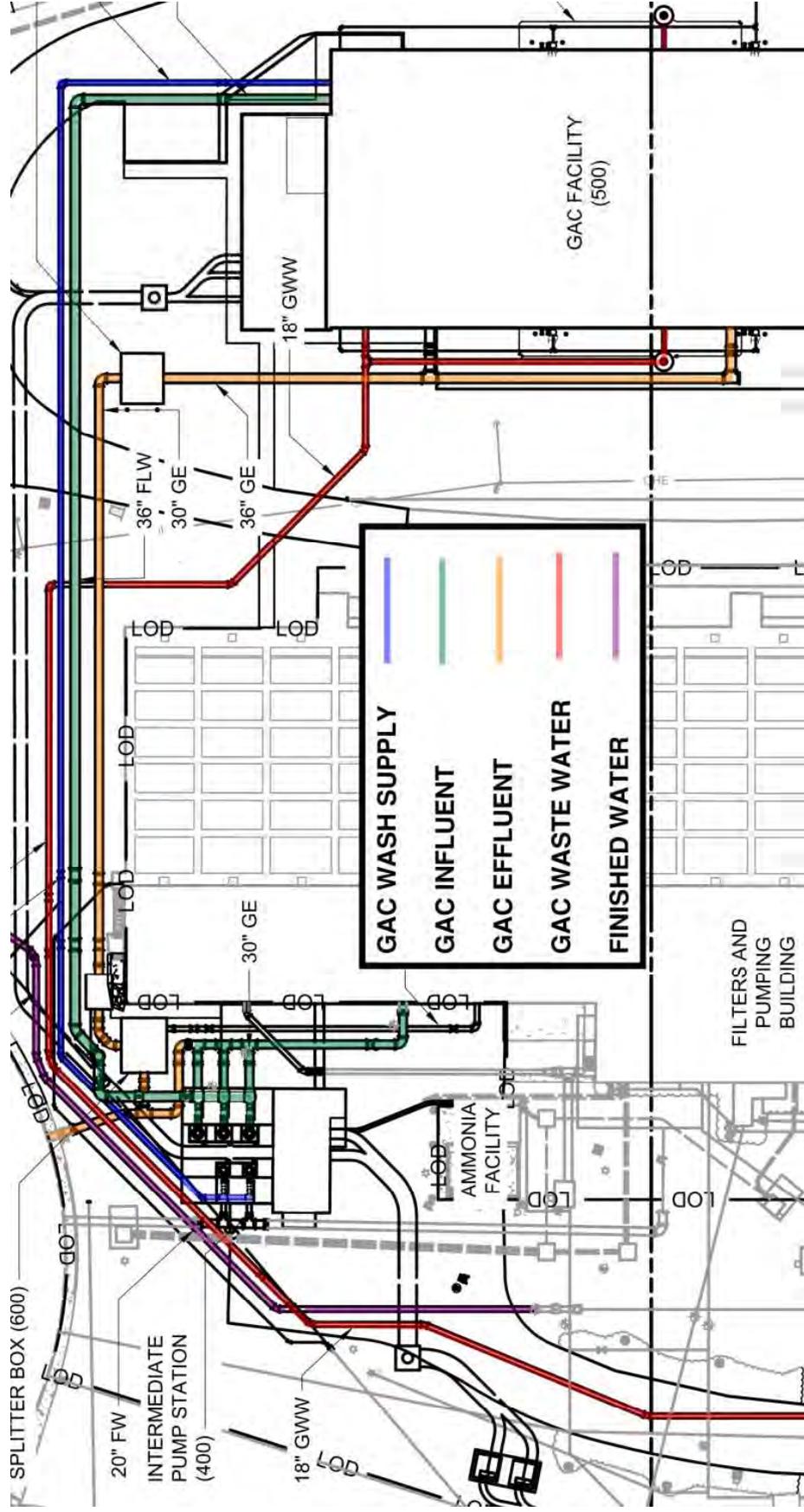


Splitter Box

# Filter Effluent Modifications



# Large-Diameter Yard Piping



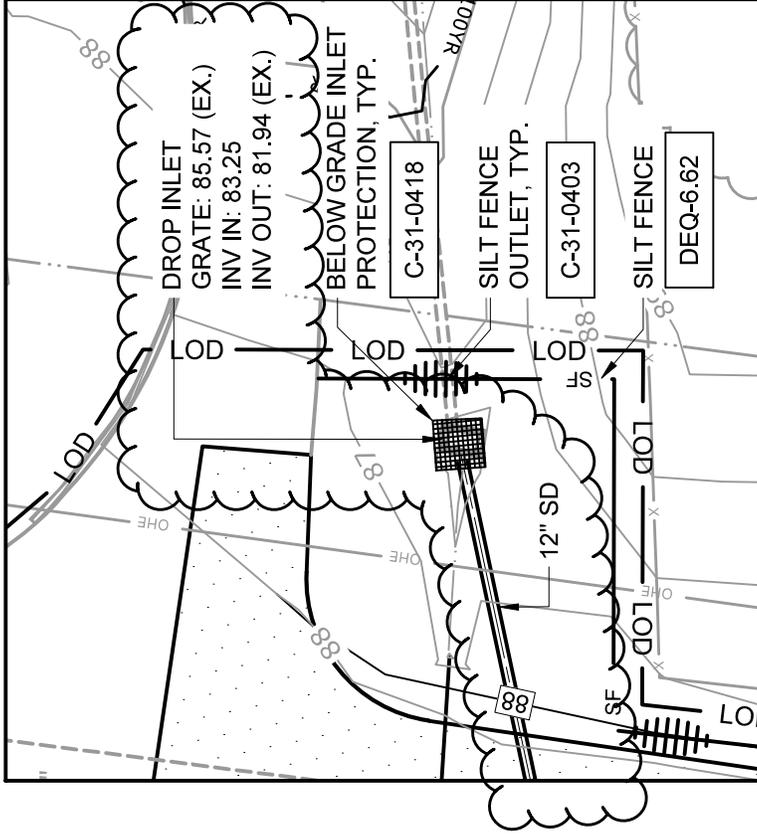
# Coordination with Owner's Operations

## Coordination with Owner's Operations

- Refer to Section 01 14 00 for specific constraints
- P.O. Hoffer will be maintained in continuous operation by the Owner during entire construction period
- Extended shutdown allowed for Glenville Lake (30 days)
- Shutdowns shall be scheduled at times suitable for the Owner and will require coordination
- At all times throughout the construction period, Owner's personnel shall have access to equipment and areas that remain in operation

# Questions



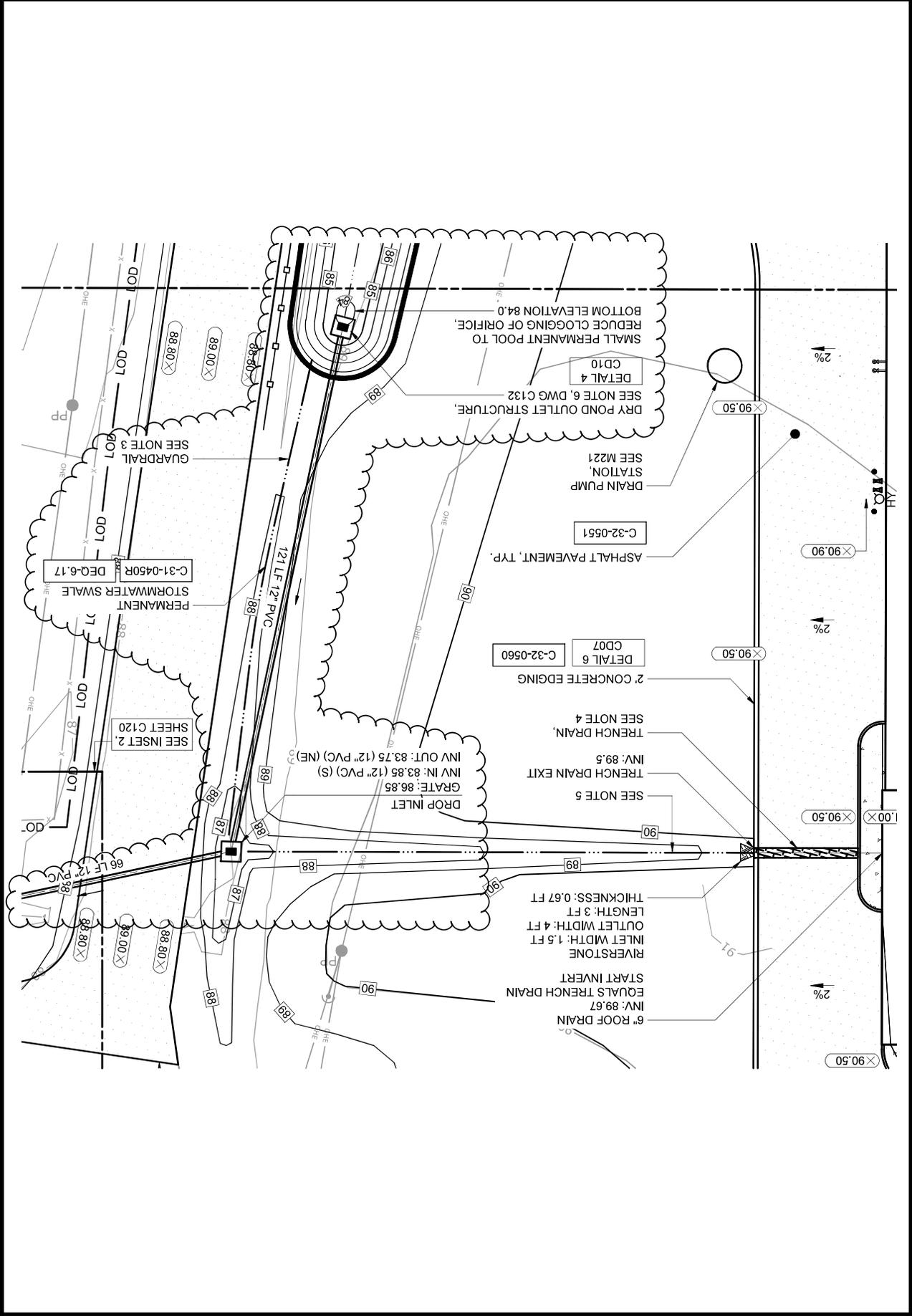


## INSET 2

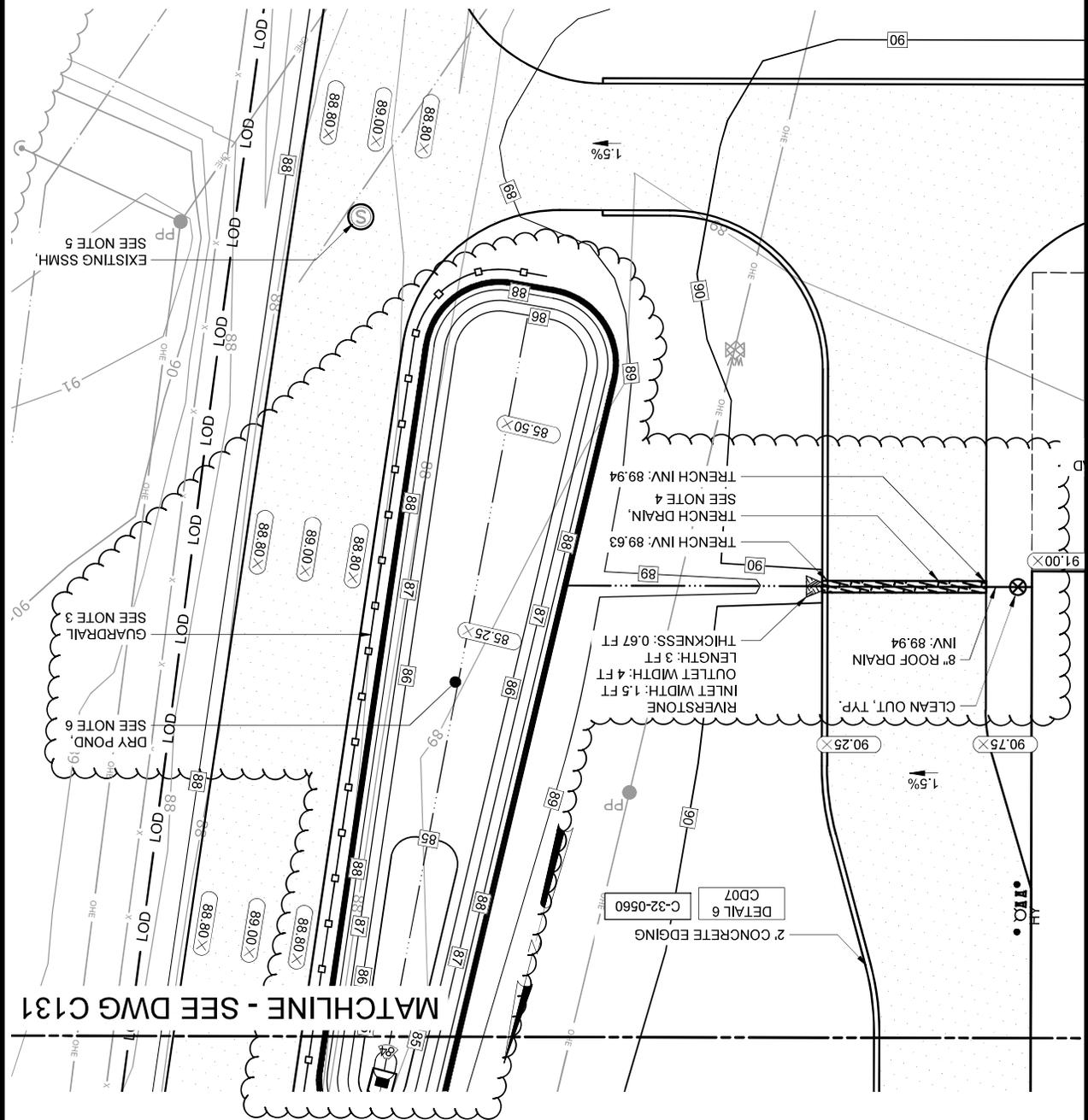
SCALE: 1" = 20'

ADDENDUM NO. 004	DATE 01/2026	PUBLIC WORKS COMMISSION CITY OF FAYETTEVILLE, NORTH CAROLINA	HAZEN JOB NUMBER 30402-067	REFER TO CONTRACT DRAWING NUMBER C120
ATTACHMENT NO. 3	BY DCH	GLENVILLE LAKE AND P.O. HOFFER WATER TREATMENT FACILITY POST FILTER GAC ADSORPTION FACILITIES	CONTRACT NUMBER 67	SHEET 1 OF 1

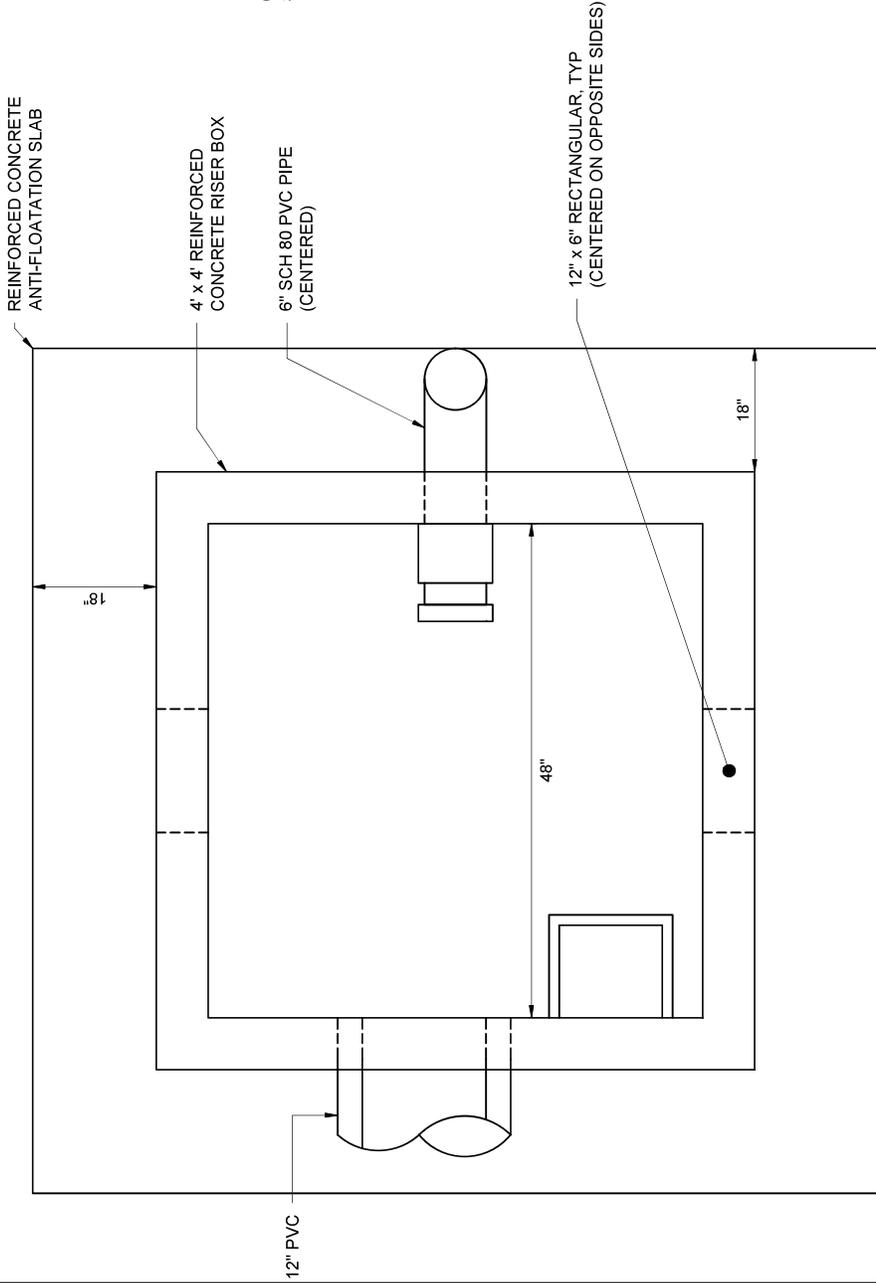
ATTACHMENT NO. 4	BY DCH	GLENNVILLE LAKE AND P.O. HOFFER WATER TREATMENT FACILITIES	CONTRACT NUMBER 67	SHEET 1 OF 1
ADDENDA NO. 004	DATE 01/2026	CITY OF FAYETTEVILLE, NORTH CAROLINA	HAZEN JOB NUMBER 30402-067	REFER TO CONTRACT DRAWING NUMBER C131



ATTACHMENT NO. 5	BY DCH	GLENVILLE LAKE AND P.O. HOFFER WATER TREATMENT FACILITIES	SHEET 1 OF 1
ADDENDA NO. 004	DATE 01/2026	CITY OF FAYETTEVILLE, NORTH CAROLINA	CONTRACT NUMBER 67
		PUBLIC WORKS COMMISSION	HAZEN JOB NUMBER 30402-067
			REFER TO CONTRACT DRAWING NUMBER C132



ATTACHMENT NO. 6	BY DCH	GLENVILLE LAKE AND P. O. HOFFER WATER TREATMENT FACILITY POST FILTER GAC ADSORPTION FACILITIES	CONTRACT NUMBER 67	SHEET 1 OF 3
ADDENDA NO. 004	DATE 01/2026	CITY OF FAYETTEVILLE, NORTH CAROLINA PUBLIC WORKS COMMISSION	HAZEN JOB NUMBER 30402-067	REFER TO CONTRACT DRAWING NUMBER CD10



**NOTES:**

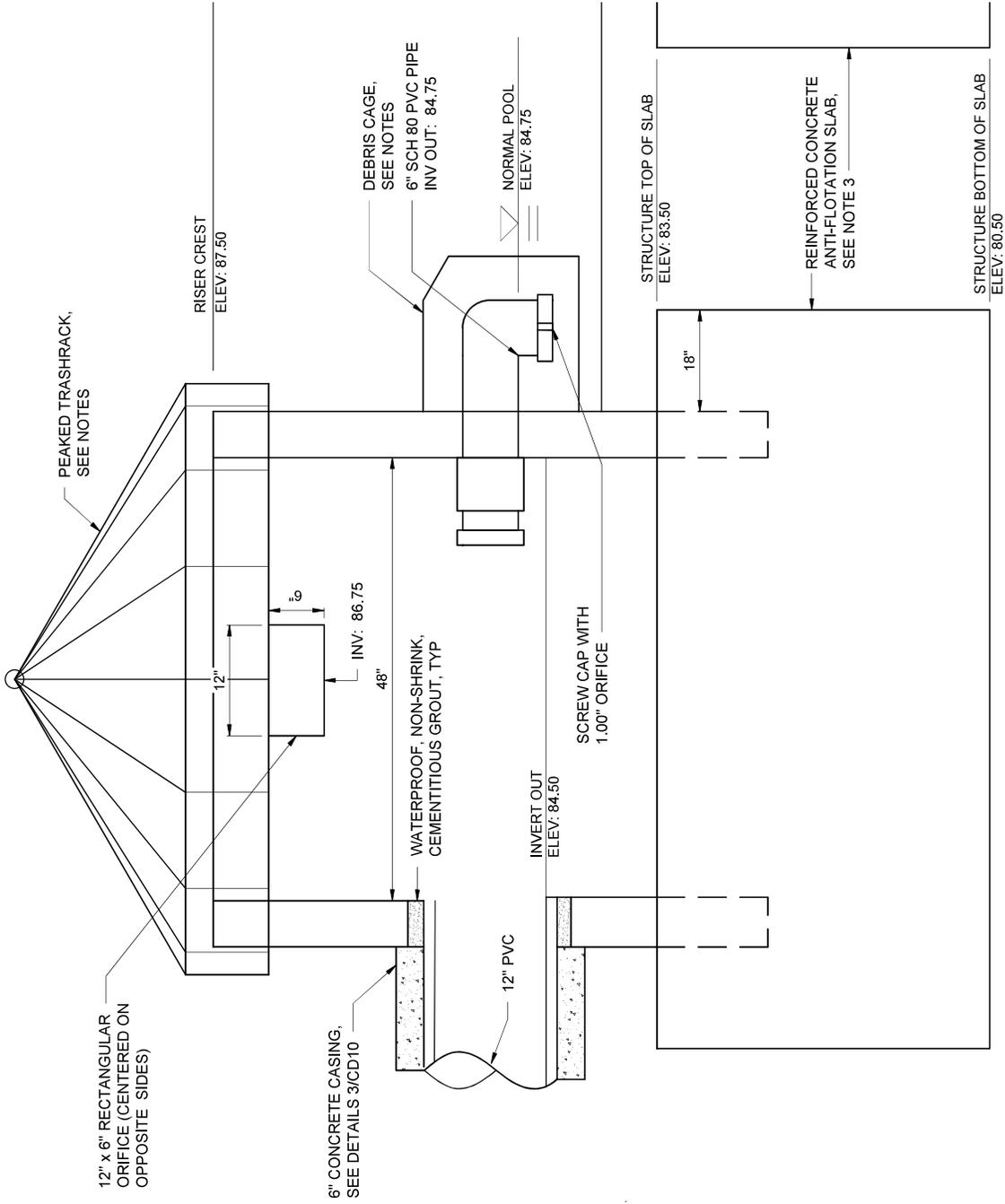
1. TRASH RACK AND DEBRIS CAGES SHALL BE MADE OF CORROSION-RESISTANT STEEL OR ALUMINUM AND REVIEWED BY ENGINEER FOR APPROVAL.
2. FLUSH GRATES FOR TRASH RACK AND DEBRIS CAGES ARE PROHIBITED.
3. TRASH RACK SHALL INCLUDE AN ANTI-VORTEX DEVICE.
4. TRASH RACK AND DEBRIS CAGES SHALL BE REMOVABLE.
5. TRASH RACK AND DEBRIS CAGES SHALL BE SIZED AND ANCHORED PER MANUFACTURER'S SPECIFICATIONS.
6. CONTRACTOR TO PROVIDE SLAB REINFORCEMENT DESIGN SEALED BY A PROFESSIONAL ENGINEER LICENSED IN NORTH CAROLINA.

BOTTOM VIEW

STORM DRY POND OUTLET STRUCTURE

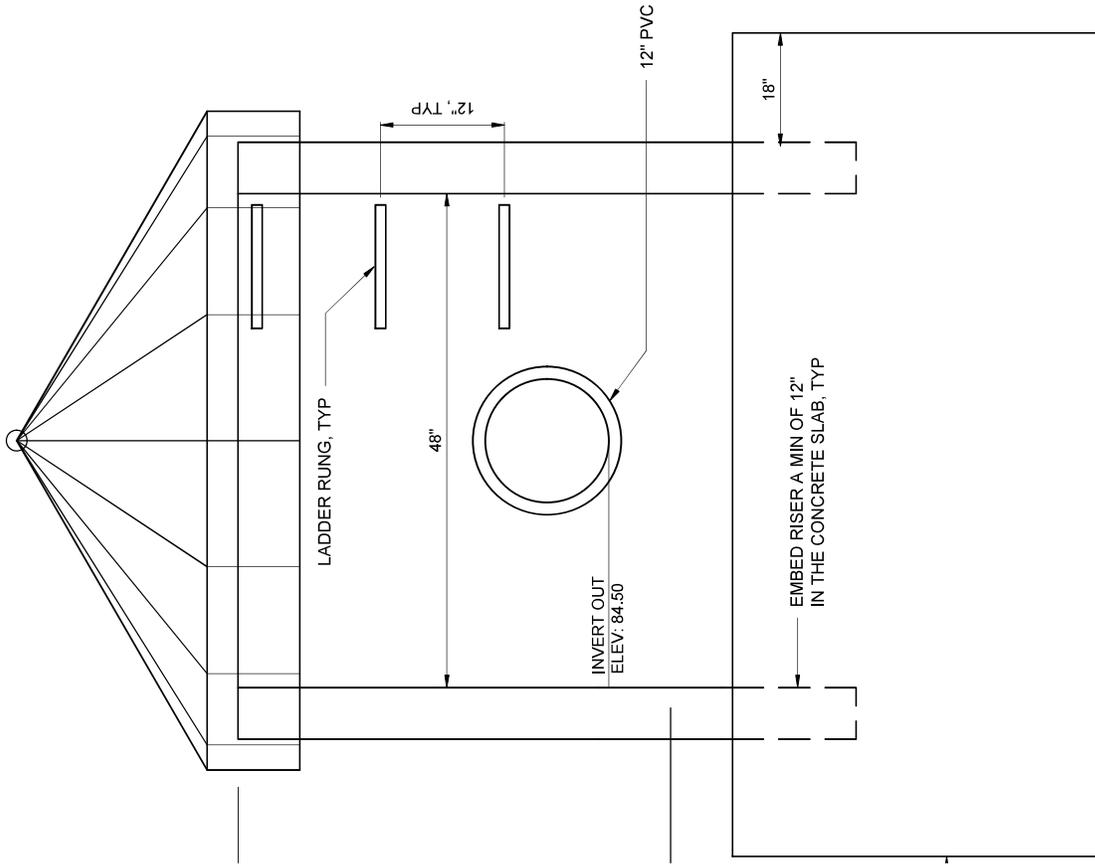
DETAIL	4
NTS	CD10

ATTACHMENT NO. 6	BY DCH	GLENVILLE LAKE AND P.O. HOFFER WATER TREATMENT FACILITY POST FILTER GAC ADSORPTION FACILITIES	SHEET 2 OF 3
APPENDIX NO. 004	DATE 01/2026	CITY OF FAYETTEVILLE, NORTH CAROLINA PUBLIC WORKS COMMISSION	HAZEN JOB NUMBER 30402-067
			CONTRACT NUMBER 67
			REFER TO CONTRACT DRAWING NUMBER CD10



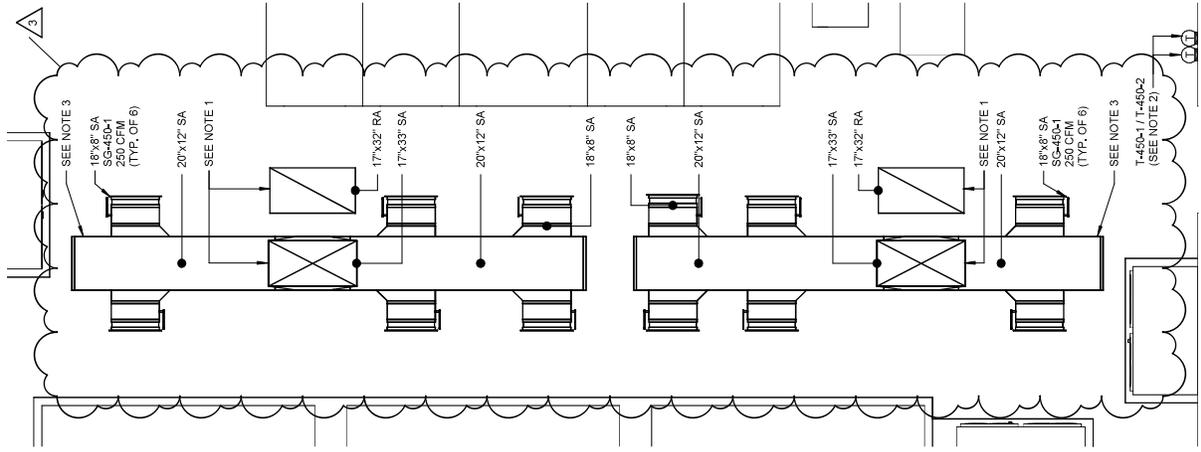
SECTION A-A

ATTACHMENT NO. 6	BY DCH	GLENVILLE LAKE AND P.O. HOFFER WATER TREATMENT FACILITY POST FILTER GAC ADSORPTION FACILITIES	CONTRACT NUMBER 67	SHEET 3 OF 3
APPENDIX NO. 004	DATE 01/2026	CITY OF FAYETTEVILLE, NORTH CAROLINA PUBLIC WORKS COMMISSION	HAZEN JOB NUMBER 30402-067	REFER TO CONTRACT DRAWING NUMBER CD10



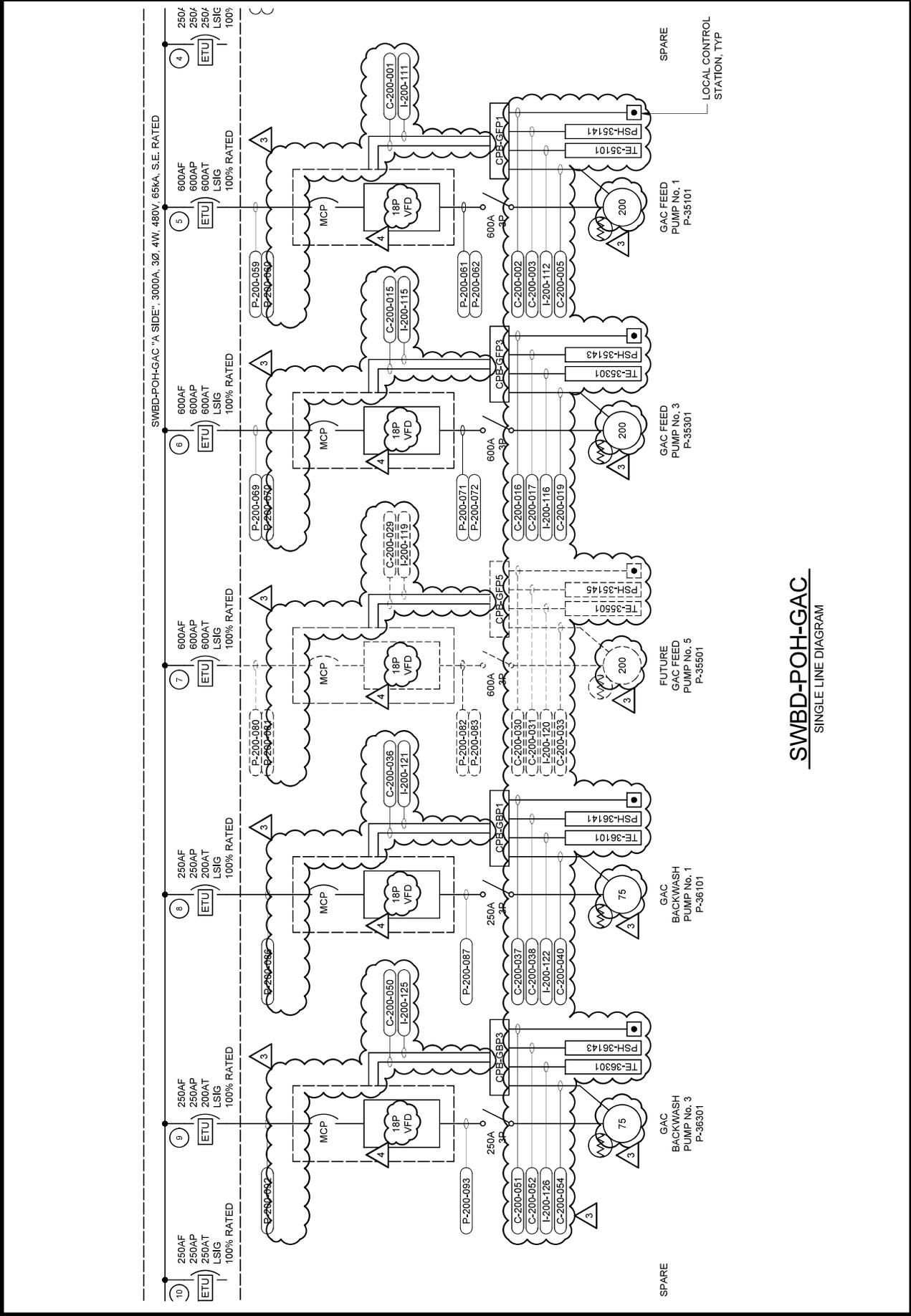
SECTION B-B

ATTACHMENT NO. 7	BY DCH	GLENVILLE LAKE AND P.O. HOFFER WATER TREATMENT FACILITY POST FILTER GAC ADSORPTION FACILITIES	CONTRACT NUMBER 67	SHEET 1 OF 1
APPENDIX NO. 004	DATE 01/26	CITY OF FAYETTEVILLE, NORTH CAROLINA PUBLIC WORKS COMMISSION	HAZEN JOB NUMBER 30402-067	REFER TO CONTRACT DRAWING NUMBER H450



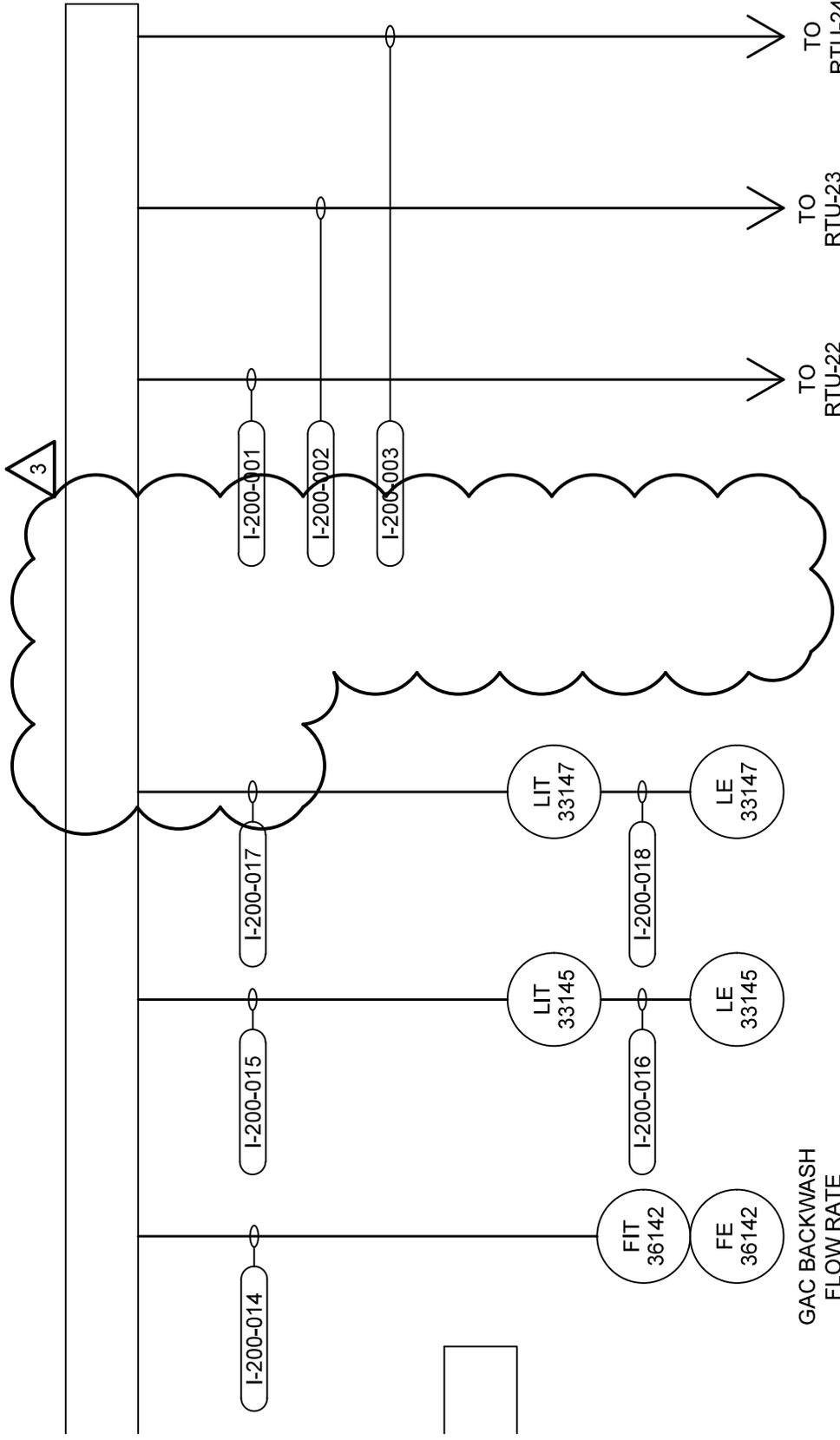
- 3
2. MANUFACTURER PROVIDED PROGRAMMABLE THERMOSTATS THAT OPERATE IN A LEAD/LAG PAIR.
  3. MOUNT DUCTWORK AT 9'-6" (BOD) ABOVE FINISHED FLOOR OR HIGHER TO ENSURE CLEARANCE FROM ELECTRICAL EQUIPMENT.

ATTACHMENT NO. 8	BY DCH	DATE 01/2026	HAZEN JOB NUMBER 30402-067	CONTRACT NUMBER 67
ADENDA NO. 004	01/2026	CITY OF FAYETTEVILLE, NORTH CAROLINA	REFER TO CONTRACT DRAWING NUMBER E210	SHEET 1 OF 1
PUBLIC WORKS COMMISSION		GLENVILLE LAKE AND P. O. HOFFER WATER TREATMENT FACILITIES		



**SWBD-POH-GAC**  
SINGLE LINE DIAGRAM





**RTU-21**  
RISER DIAGRAMS

ADDENDUM NO. 004	DATE 01/2026	PUBLIC WORKS COMMISSION CITY OF FAYETTEVILLE, NORTH CAROLINA	HAZEN JOB NUMBER 30402-067	REFER TO CONTRACT DRAWING NUMBER E218
ATTACHMENT NO. 10	BY DCH	GLENVILLE LAKE AND P.O. HOFFER WATER TREATMENT FACILITY POST FILTER GAC ADSORPTION FACILITIES	CONTRACT NUMBER 67	SHEET 1 OF 1

ATTACHMENT NO. 11	BY DCH	GLENVILLE LAKE AND P.O. HOFFER WATER TREATMENT FACILITY POST FILTER GAC ADSORPTION FACILITIES	CONTRACT NUMBER 67	SHEET 1 OF 1
ADDENDA NO. 004	DATE 01/2026	CITY OF FAYETTEVILLE, NORTH CAROLINA PUBLIC WORKS COMMISSION	HAZEN JOB NUMBER 30402-067	REFER TO CONTRACT DRAWING NUMBER E226

C-200-195	3/4"	LIGHTING CONTACTOR LC-GAC3	PHOTOCELL PC	2 #14, #14 GND	
C-200-196					
C-200-197	1"	RTU-21	VCP-DRAIN PUMPS 1 & 2	20 #14, #14 GND	DB-35
C-200-198	3/4"	VCP-DRAIN PUMPS 1 & 2	JB-DRAIN PUMPS 1 & 2	<del>VENDOR CABLE</del>	BY MFR
C-200-199	3/4"	JB-DRAIN PUMPS 1 & 2	LSH-93144	VENDOR CABLE	BY MFR
C-200-200	3/4"	JB-DRAIN PUMPS 1 & 2	LSL-93144	VENDOR CABLE	BY MFR
C-200-201	3/4"	JB-DRAIN PUMPS 1 & 2	LSH-93144(A)	VENDOR CABLE	BY MFR
C-200-202	3/4"	JB-DRAIN PUMPS 1 & 2	LSH-93144(B)	VENDOR CABLE	BY MFR
C-200-203					

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	EST. PRICE	PROB. PRICE	REMARKS
I-200-017	RTU-21	3/4"	RTU			
I-200-018	IPB-GAC1	3/4"	IPB			
I-200-019	MOV-33124	3/4"	MOV			
I-200-020	FIT-33141	3/4"	FIT			
I-200-021	PDIT-33242	3/4"	PDIT			
I-200-022	RTU-22	1"	RTU			
I-200-023	IPB-GAC1	1"	IPB			
I-200-024	MOV-33224	1"	MOV			
I-200-025	FIT-33242	1"	FIT			
I-200-026	PDIT-33242	1"	PDIT			
I-200-027	RTU-22	3/4"	RTU			
I-200-028	IPB-GAC2	3/4"	IPB			
I-200-029	MOV-33224	3/4"	MOV			
I-200-030	FIT-33242	3/4"	FIT			
I-200-031	PDIT-33242	3/4"	PDIT			
I-200-032	RTU-22	1"	RTU			
I-200-033	IPB-GAC3	1"	IPB			
I-200-034	MOV-33224	1"	MOV			
I-200-035	FIT-33242	1"	FIT			
I-200-036	PDIT-33242	1"	PDIT			
I-200-037	RTU-22	3/4"	RTU			
I-200-038	IPB-GAC4	3/4"	IPB			
I-200-039	MOV-33424	3/4"	MOV			
I-200-040	FIT-33441	3/4"	FIT			
I-200-041	PDIT-33442	3/4"	PDIT			
I-200-042	RTU-22	1"	RTU			
I-200-043	IPB-GAC4	1"	IPB			
I-200-044	MOV-33424	1"	MOV			
I-200-045	FIT-33441	1"	FIT			
I-200-046	PDIT-33442	1"	PDIT			
I-200-047	RTU-23	3/4"	RTU			
I-200-048	IPB-GAC5	3/4"	IPB			
I-200-049	MOV-33524	3/4"	MOV			
I-200-050	FIT-33541	3/4"	FIT			
I-200-051	PDIT-33542	3/4"	PDIT			
I-200-052	RTU-23	1"	RTU			
I-200-053	IPB-GAC6	1"	IPB			
I-200-054	MOV-33624	1"	MOV			
I-200-055	FIT-33641	1"	FIT			
I-200-056	PDIT-33642	1"	PDIT			
I-200-057	RTU-23	3/4"	RTU			
I-200-058	IPB-GAC6	3/4"	IPB			
I-200-059	MOV-33624	3/4"	MOV			
I-200-060	FIT-33641	3/4"	FIT			
I-200-061	PDIT-33642	3/4"	PDIT			



TYPE: NEMA 1  
MOUNT: SURFACE

PANEL LP-GL-GAC-EB  
MAIN BREAKER  
125AF/100AT, 3P

MODS	DESCRIPTION	CONDUIT & WIRE	TRIP	POLE	CTK No.	VOLT-AMPERES			MODS
						A	B	C	
-	FIT-35142 GAC FEED PMP FLOW	SEE RISER	20	1	20	415			-
-	SPARE		20	1	20	284			-
-	RECEP - ELECTRICAL ROOM		20	1	20				-
-	RECEP - EXTERIOR	A	20	1	7	540			-
-	RECEP - CHEMICAL INJ VAULT	P-450-030	20	1	9	180			-
-	AIT-35143, AIT-35146	SEE RISER	20	1	11	500			-
-	AIT-35143, AIT-35145	SEE RISER	20	1	13	500			-
-	SP-35102	SEE RISER	20	1	15	661			-
-	SP-35102	SEE RISER	20	1	17	661			-
-	SPARE		20	1	19				-
-	LIT-35147, LIT35148	SEE RISER	20	1	21	200			-
-	SPARE		20	1	23				-
-	SPARE		20	1	25				-
-	SPARE		20	1	27				-
-	SPARE		20	1	29				-
-	SPARE		20	1	31				-
-	SPARE		20	1	33				-
-	SPARE		20	1	35				-
-	SPARE		20	1	37				-
-	SPARE		20	1	39				-
-	SPARE		20	1	41				-

TOTAL	1,140	1,041	1,881
PHASE TOTAL (VA)			
	1,555	1,325	1,881
PHASE TOTAL (A)			
	13	11	16

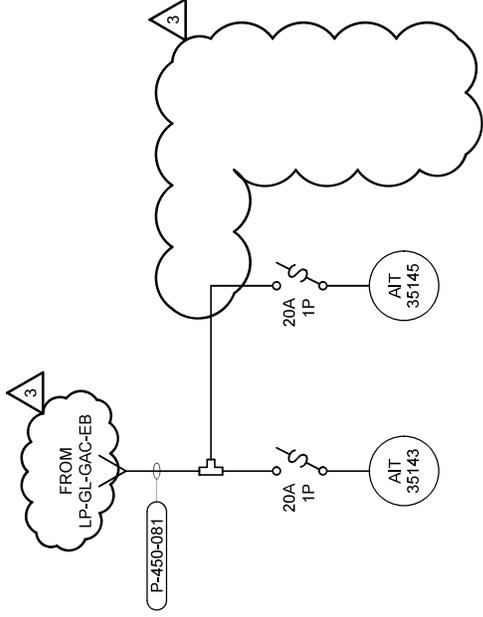
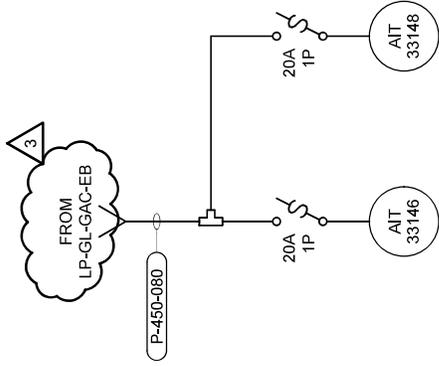
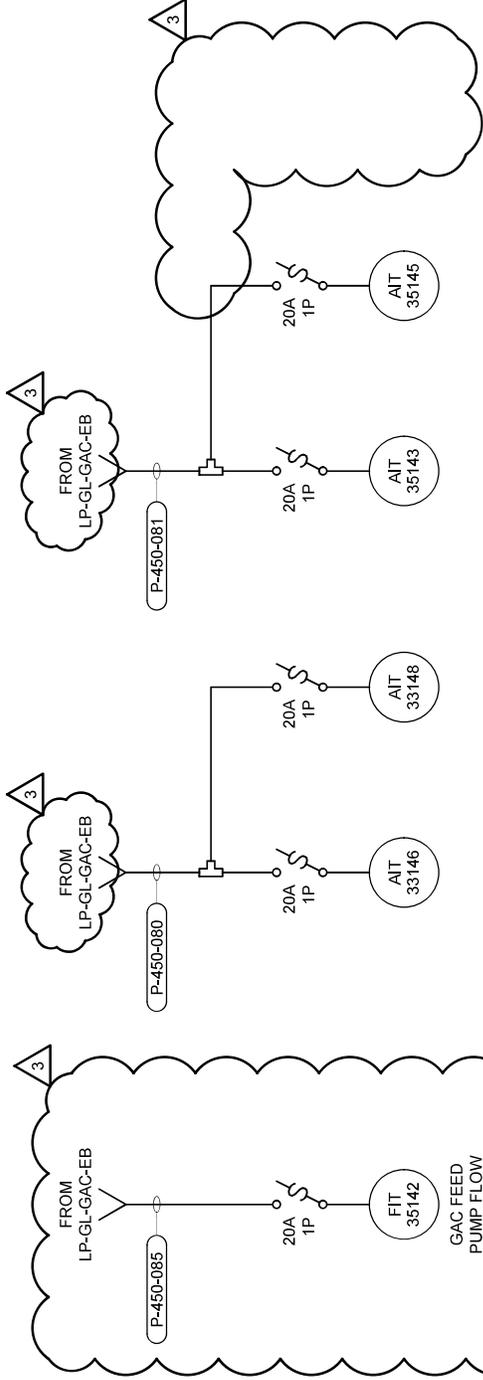
TOTAL	415	284	0
TOTAL LOAD (VA)			
	4,761		
TOTAL LOAD (A)			
	13		

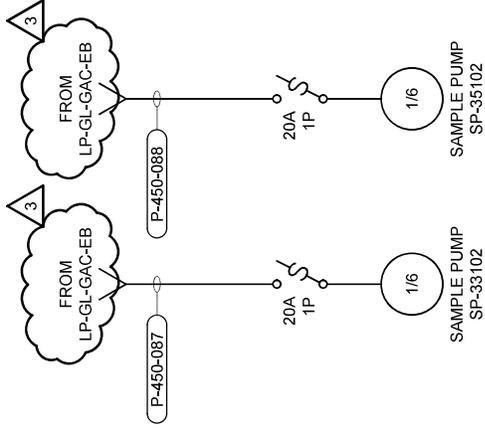
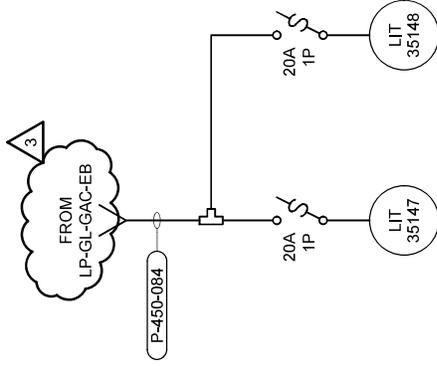
NOTES/ACCESSORIES:  
 100kA SPD  
 LTG/RECP CIRCUITS (WHERE NOTED ABOVE):  
 A: 2#12, #12GND, 3/4"C  
 B: 3#12, #12GND, 3/4"C  
 C: 2#10, #10GND, 3/4"C

MODIFICATION (MODS) LEGEND:  
 GFCI - GROUND FAULT CIRCUIT INTERRUPTER (5mA)  
 EPD - EQUIPMENT PROTECTION DEVICE (30mA GFCI)  
 LOD - LOCK-ON DEVICE  
 LFD - LOCK-OFF DEVICE  
 ETU - ELECTRONIC TRIP UNIT

ATTACHMENT NO. 15	BY DCH	GLENVILLE LAKE AND P. O. HOFFER WATER TREATMENT FACILITIES	CONTRACT NUMBER 67	SHEET 2 OF 3
ADDENDA NO. 004	DATE 01/2026	CITY OF FAYETTEVILLE, NORTH CAROLINA	HAZEN JOB NUMBER 30402-067	REFER TO CONTRACT DRAWING NUMBER E453
PUBLIC WORKS COMMISSION				

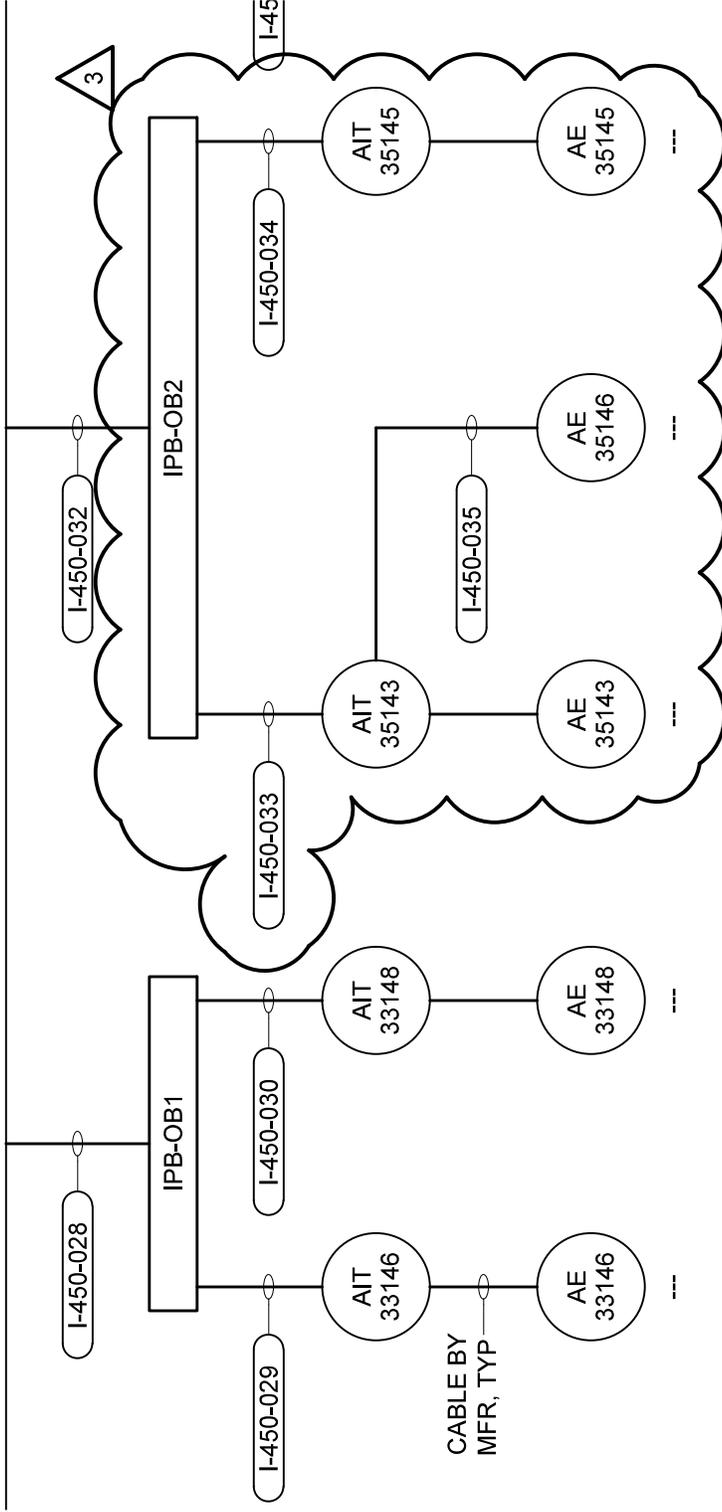


**ANALYZER**  
RISER DIAGRAMS



**LEVEL TRANSMITTER**  
RISER DIAGRAM

**SAMPLE PUMP**  
RISER DIAGRAM



**RTU-7**  
RISER DIAGRAM

ADDENDUM NO. 004	DATE 01/2026	PUBLIC WORKS COMMISSION CITY OF FAYETTEVILLE, NORTH CAROLINA	HAZEN JOB NUMBER 30402-067	REFER TO CONTRACT DRAWING NUMBER E453
ATTACHMENT NO. 16	BY DCH	GLENVILLE LAKE AND P.O. HOFFER WATER TREATMENT FACILITY POST FILTER GAC ADSORPTION FACILITIES	CONTRACT NUMBER 67	SHEET 3 OF 3





208/120V, 3P, 4W 100A BUS 10KA (MINIMUM)											
PANEL LP-GL-GAC1 MAIN BREAKER 225AF/225AT, 3P											
TYPE: NEMA 1 MOUNT: SURFACE											
MODS	DESCRIPTION	CONDUIT & WIRE	TRIP	POLE	TRIP	CKT No.	VOLT-AMPERES			DESCRIPTION	MODS
							A	B	C		
-	RTU-9	SEE RISER	20	1	1	1	500				
-	SPARE	SEE RISER	20	1	2	500					
-	FIT-33341 - GAC No. 1	SEE RISER	20	1	5	100					
-	FIT-33341 - GAC No. 3	SEE RISER	20	1	9	100					
-	FIT-33541 - GAC No. 5	SEE RISER	20	1	11	100					
-	FIT-33741 - GAC No. 7	SEE RISER	20	1	13	200					
-	FIT-33941 - GAC No. 9	SEE RISER	20	1	15	200					
-	LIT-33143A LIT-33143B - GAC No. 1	SEE RISER	20	1	17	200					
-	LIT-33343A LIT-33343B - GAC No. 3	SEE RISER	20	1	19	200					
-	LIT-33543A LIT-33543B - GAC No. 5	SEE RISER	20	1	21	200					
-	LIT-33743A LIT-33743B - GAC No. 7	SEE RISER	20	1	23	100					
-	LIT-33943A LIT-33943B - GAC No. 9	SEE RISER	20	1	25	100					
-	SPARE	-	20	1	27	-					
-	SPARE	-	20	1	29	-					
-	SPARE	-	20	1	31	-					
-	SPARE	-	20	1	33	-					
-	SPARE	-	20	1	35	-					
-	SPARE	-	20	1	37	-					
-	SPARE	-	20	1	39	-					
-	SPARE	-	20	1	41	-					

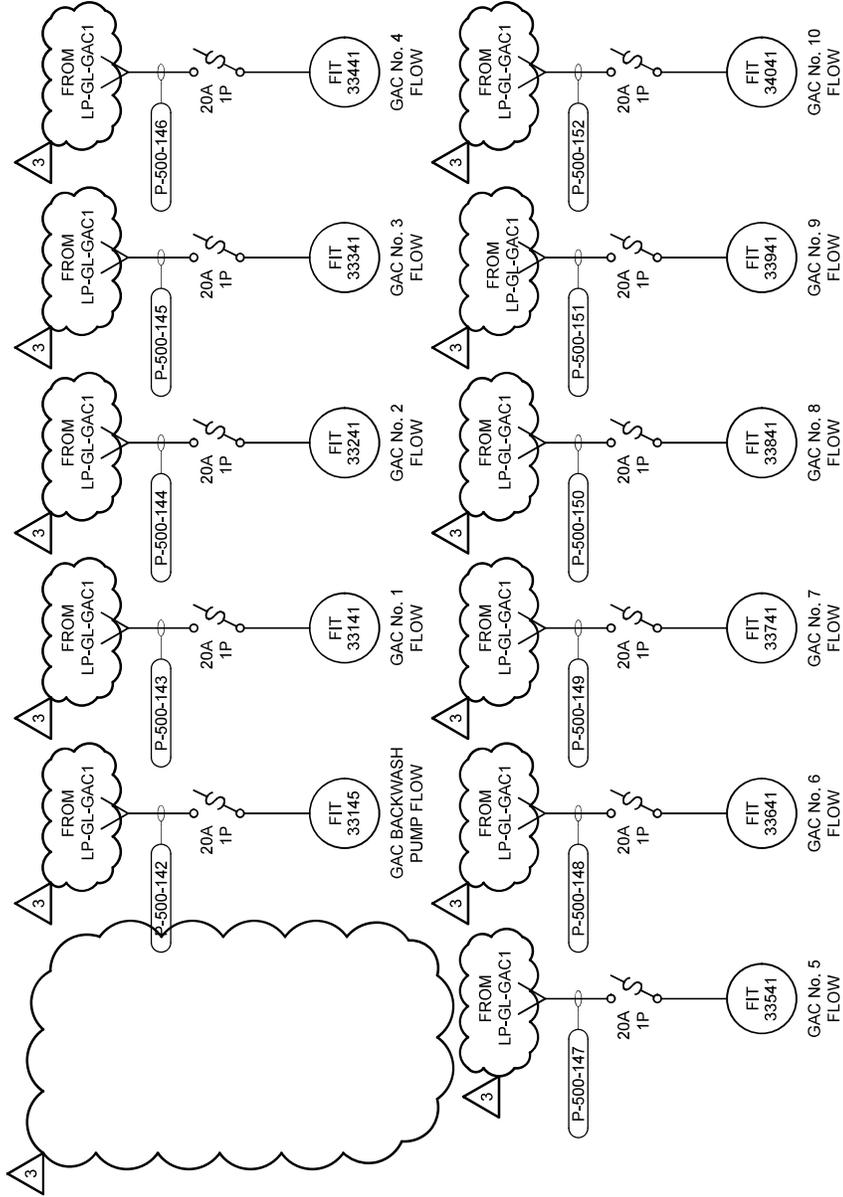
NOTES/ACCESSORIES:  
 100KA SPD  
 LTG/RECP CIRCUITS (WHERE NOTED ABOVE):  
 A: #12, #12GND, 3/4" C  
 B: #12, #12GND, 3/4" C  
 C: #10, #10GND, 3/4" C

TOTAL	1,100	1,000	400	TOTAL
7,766	8,604	8,236		
TOTAL LOAD (VA)				
27,106				
TOTAL LOAD (A)				
75				

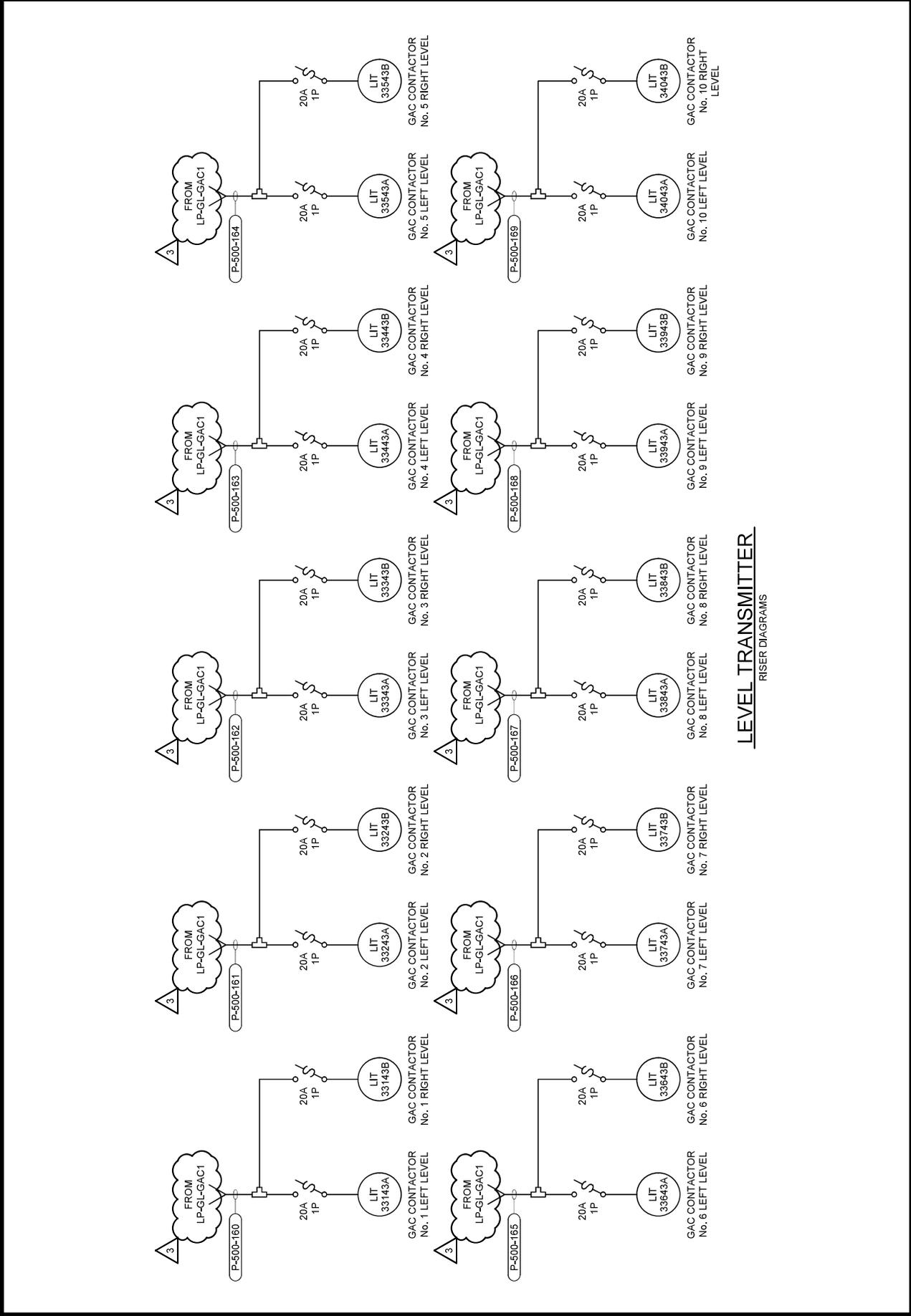
TOTAL	1,100	1,000	400	TOTAL
8,666	9,604	8,636		
PHASE TOTAL (VA)				
74		80	72	
PHASE TOTAL (A)				

MODIFICATION (MODS) LEGEND:  
 GFCI - GROUND FAULT CIRCUIT INTERRUPTER (5mA)  
 EPD - EQUIPMENT PROTECTION DEVICE (30mA GFCI)  
 LOD - LOCK-ON DEVICE  
 LFD - LOCK-OFF DEVICE  
 ETU - ELECTRONIC TRIP UNIT

ATTACHMENT NO. 20	BY DCH	GLENVILLE LAKE AND P. O. HOFFER WATER TREATMENT FACILITIES	CONTRACT NUMBER 67
ADDENDA NO. 004	DATE 01/2026	CITY OF FAYETTEVILLE, NORTH CAROLINA	HAZEN JOB NUMBER 30402-067
		PUBLIC WORKS COMMISSION	REFER TO CONTRACT DRAWING NUMBER E510
			SHEET 1 OF 2



**FLOW TRANSMITTER**  
RISER DIAGRAMS

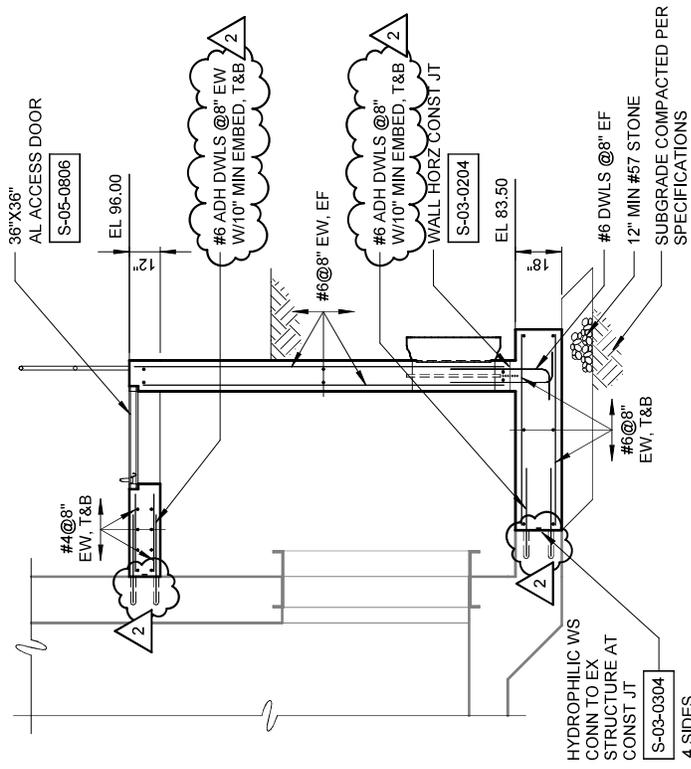


**LEVEL TRANSMITTER**  
RISER DIAGRAMS



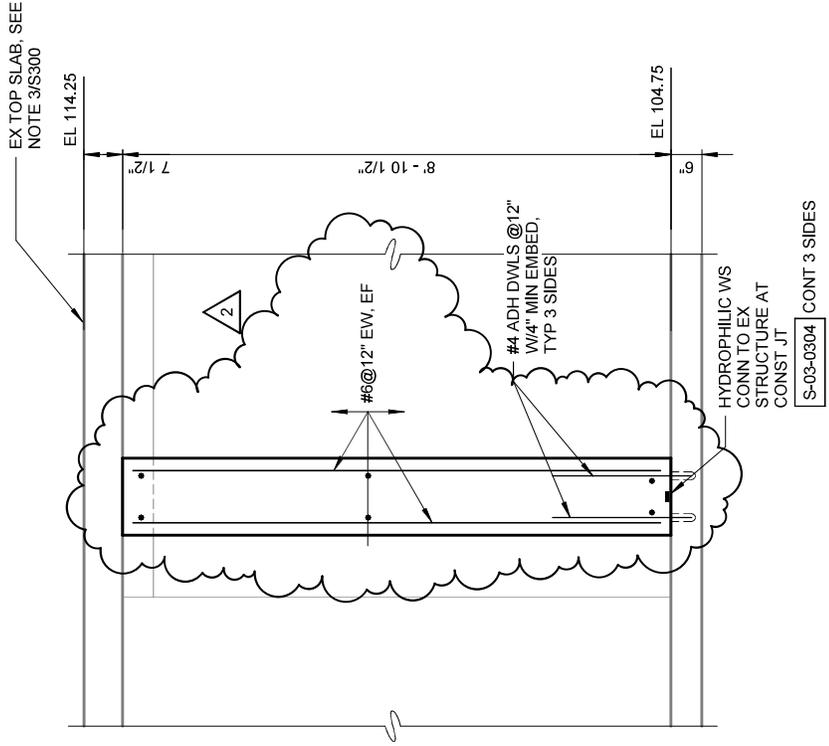


ATTACHMENT NO. 24	BY DCH	GLENVILLE LAKE AND P.O. HOFFER WATER TREATMENT FACILITY POST FILTER GAC ADSORPTION FACILITIES	SHEET 1 OF 1
ADDENDA NO. 004	DATE 01/2026	CITY OF FAYETTEVILLE, NORTH CAROLINA PUBLIC WORKS COMMISSION	CONTRACT NUMBER 67
			HAZEN JOB NUMBER 30402-067
			REFER TO CONTRACT DRAWING NUMBER S102

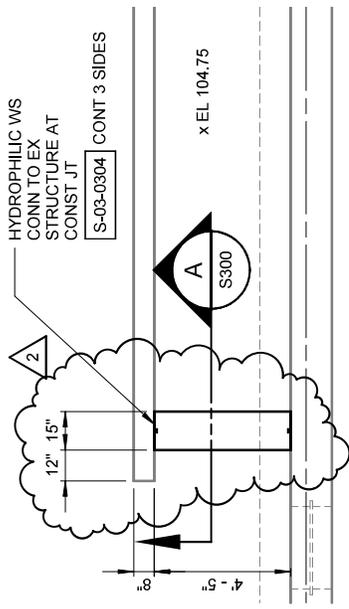


**SECTION F**  
1/4" = 1'-0"  
S101

ATTACHMENT NO. 25	BY DCH	GLENVILLE LAKE AND P.O. HOFFER WATER TREATMENT FACILITY POST FILTER GAC ADSORPTION FACILITIES	SHEET 1 OF 1
ADDENDA NO. 004	DATE 01/2026	CITY OF FAYETTEVILLE, NORTH CAROLINA PUBLIC WORKS COMMISSION	HAZEN JOB NUMBER 30402-067
			CONTRACT NUMBER 67
			REFER TO CONTRACT DRAWING NUMBER S300



**SECTION A**  
S300  
1/2" = 1'-0"



**BOTTOM PLAN**  
1/4" = 1'-0"