



FAYETTEVILLE PUBLIC WORKS COMMISSION

PROCUREMENT DEPARTMENT

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

BID ADDENDUM – CONTRACT DOCUMENTS & TECHNICAL SPECIFICATIONS

PWC Number: PWC2223029

Bid Title : P.O. Hoffer and Glenville Lake Water Treatment Facilities – Reliability Improvements

Bid Opening Date and Time: September 19, 2023 @ 2:00 pm

Addendum Number: 1

Addendum Date: August 22, 2023

Procurement Advisor: Tanya Hazlett
tanya.hazlett@faypwc.com
(910)-223-4023



1. Acknowledgement of this addendum must be done on the Bid Summary page listed within the bid package.
2. The solicitation is hereby modified as follows:
 - M1. The “*Bid Schedule – Performance and Delivery*” document shall be updated as noted below.

Site Visit:	1:00 PM, Wednesday, August 30, 2023
(OPTIONAL)	P.O. Hoffer Water Treatment Facility 508 Hoffer Drive Fayetteville, NC 28301
Deadline for Questions from Bidders ¹	5:00 pm, September 12, 2023
Deadline for Addenda issued by PWC Procurement Department and Project Engineer ²	5:00 pm, September 14, 2023
Bid Opening (Submittal Deadline)	2:00pm, Tuesday, September 19, 2023 Fayetteville Public Works Commission Administrative Building Conference Room 107 955 Old Wilmington Road Fayetteville, NC 28301
Contract Time:	730 days

3. The technical specifications and drawings have been modified and sealed by the Project Engineer, Hazen and Sawyer. Please see “*Addendum No. 1-Technical Specifications and Drawings*” within.

ADDENDUM NO. 1 – TECHNICAL SPECIFICATIONS AND DRAWINGS

Date: 8/18/2023
P.O. Hoffer Water Treatment Facility and Glenville Lake
Water Treatment Facility Reliability Improvements
Project: Contract No. 055
Owner: Fayetteville Public Works Commission
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. 1 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 Hazen and Sawyer at PWCReliability@hazenandsawyer.com

Company Name

Acknowledgement of Receipt

Date



D. Cory Hopkins, PE
HAZEN AND SAWYER

**P.O. Hoffer Water Treatment Facility and Glenville Lake Water
Treatment Facility Reliability Improvements Contract No. 55**

Addendum No. 1

GENERAL:

Plan Holder List: see Attachment #1.

Pre-Bid meeting: Slides, Minutes, and Pre-Bid Meeting Attendee List are attached to this addendum. See Attachment #2.

SPECIFICATIONS:

00100 – Instructions to Bidders

00100-2 Modify Article D to read as follows:

“All questions about the meeting or intent of the bid or Contract Documents shall be submitted by email to PWCReliability@hazenandsawyer.com. In order to receive consideration, questions must be received by Tuesday, September 12, 2023, 5:00p.m.”

DRAWINGS:

N/A

ATTACHMENTS:

- Attachment #1: Plan Holder List
- Attachment #2: Pre-Bid Meeting Slides, Minutes, and Attendee List

Attachment #1 – Plan Holder List



August 18, 2023

Plan Holders List

**PO Hoffer Water Treatment Facility and Glenville Lake Water Treatment Facility
Reliability Improvements**

Company	E-mails
Brown and Morrison	julie.booth@brownandmorrison.com tj.marks@brownandmorrison.com jarrod.lentz@brownandmorrison.com
Crowder Construction	gshirley@jcumbyconstruction.com
J. Cumby Construction, Inc.	gshirley@jcumbyconstruction.com

Attachment #2 – Pre-Bid Meeting Slides, Minutes, and Attendee List



P.O. Hoffer and Glenville Lake Water Treatment Facilities Reliability Improvements Pre-Bid Meeting

August 16, 2023

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

Agenda

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

Introductions

Welcome and Introductions

- Owner: Fayetteville Public Works Commission
 - Project Manager: Vance McGougan, P.E.
 - Water Treatment Facilities Manager: Jason Green
 - Procurement Advisor: Tanya Hazlett

- Engineer: Hazen and Sawyer
 - Project Director: Michael Wang, Ph.D., P.E.
 - Project Manager: Cory Hopkins, P.E.



Bid & Project Schedules

Bid Schedule

- Pre-Bid Meeting
 - Today – August 16, 2023
- Site Visits
 - Available Upon Request
- Deadline for Questions
 - August 22, 2023
- Last Addendum
 - August 24, 2023

Bid Opening

August 29, 2023 @ 2:00pm

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

Project Schedule

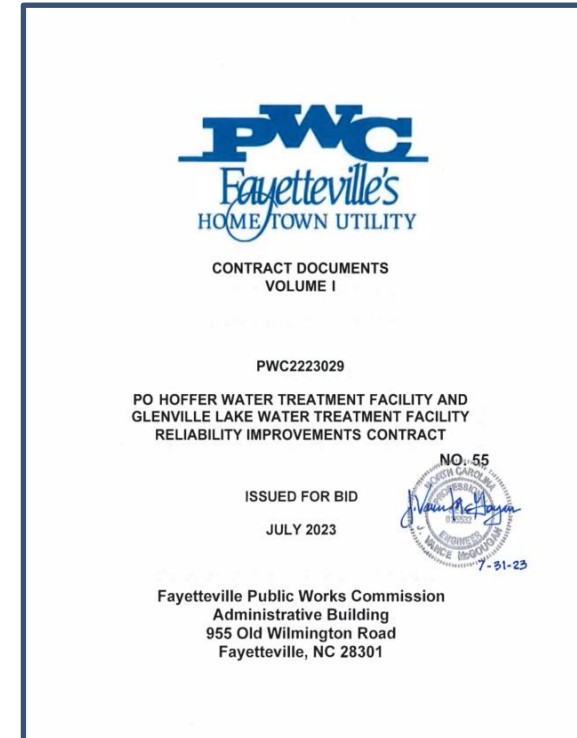
Estimated Notice-To-Proceed – Early 2024

Contract Duration = 730 days (2 years)

Contract Documents and Addenda

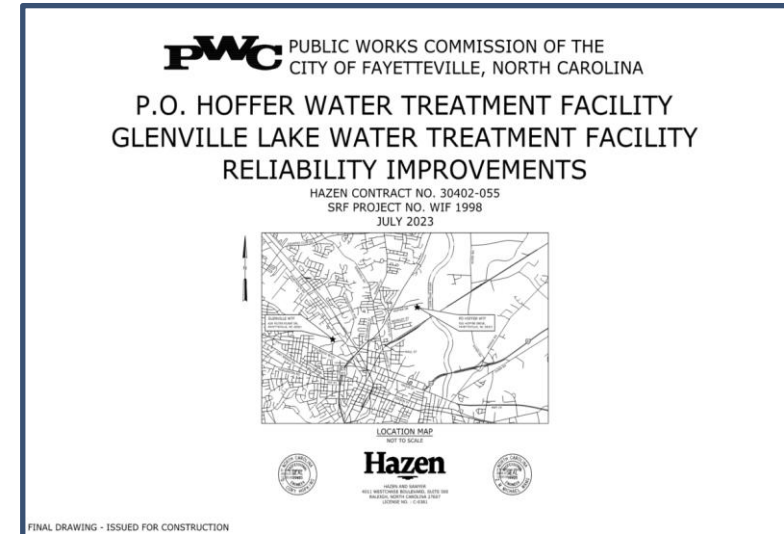
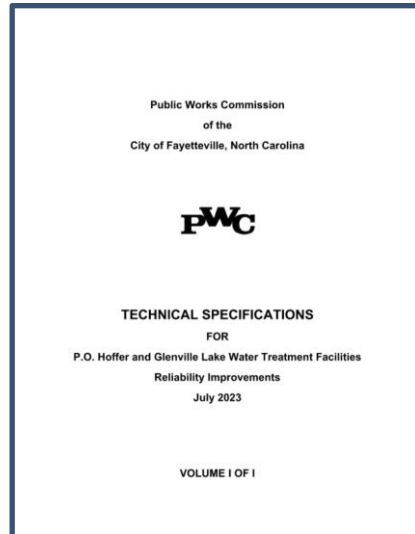
Contract Documents

- Contract Documents can be obtained from the office of the Engineer by emailing:
 - PWCReliability@hazenandsawyer.com
- Electronic documents will be provided at no charge
- How to get added to the Plan Holders List
 - Obtaining documents from Hazen OR
 - Make a formal request to Hazen to be added



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 Engineer via email
 - PWCReliability@hazenandsawyer.com
- Addenda distribution
 - By Hazen – via email – download link provided
 - By PWC – posted to purchasing website – <https://www.faypwc.com/purchasing/>
- Bidders will be required to email Engineer an acknowledgement of receipt

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 Disclosure Form.
- 17. The Completed Contractor Qualification Form.

****FAILURE TO SUBMIT THE ABOVE FORMS WITH THE BID FORM MAY BE JUST CAUSE FOR REJECTION OF THE BID BY THE OWNER****

Proposal / Bid Form

- Base Bid
 - Select work at P.O. Hoffer
 - All work at Glenville Lake
 - Include cash allowance (\$150K) for SCADA system-related equipment and services
- Alternate Bid
 - Balance of work at P.O. Hoffer

PROPOSAL
(BID FORM)
SINGLE PRIME CONTRACT
FOR THE
P.O. HOFFER WATER TREATMENT FACILITY
GLENVILLE LAKE WATER TREATMENT FACILITY
RELIABILITY IMPROVEMENTS

The TOTAL SINGLE PRIME LUMP SUM BASE BID shall include a single Cash Allowance of \$150,000 for equipment and services related to the new SCADA system (see Section 17000, 1.01.C.10).

The TOTAL SINGLE PRIME LUMP SUM BASE BID PRICE for completing all work included in this Contract (inclusive of the Cash Allowance), shall be as follows (in words and numerals):

_____ Dollars and _____
_____ Cents (\$ _____).

The TOTAL SINGLE PRIME LUMP SUM BID PRICE for completing all work included in the ALTERNATE BID, shall be as follows (in words and numerals):

_____ Dollars and _____
_____ Cents (\$ _____).

CONTRACTOR _____
(Print)

Funding

Funding

- Project is being funded through the NC DWSRF
 - Project No. WIF 1998
- Positive efforts to use small and minority-owned businesses
 - Comply with DWI MBE/WBE requirements and NC GS 143-128
- Comply with Federal American Iron and Steel and Davis Bacon requirements throughout the 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 induces wage kickbacks 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

SPH 121/Revised April 2006

Funding

- SRF Special Conditions are listed below and can be found in the Front Ends
 - NC Division of Water Infrastructure MBE / WBE (DBE) Compliance Supplement
 - Davis-Bacon Specifications
 - Wage Determination Schedule (Heavy and Building)
 - AIS Provisions
 - All AIS certifications to be included with submittals

MBE / WBE (DBE) Compliance Supplement Instructions to Meet SRF Requirements

Item	What to do with it
➔ 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">- Proof of trade paper advertisement- Printouts of DBE sources used- Solicitation emails and/or letters
➔ PROVIDE WITH BID	

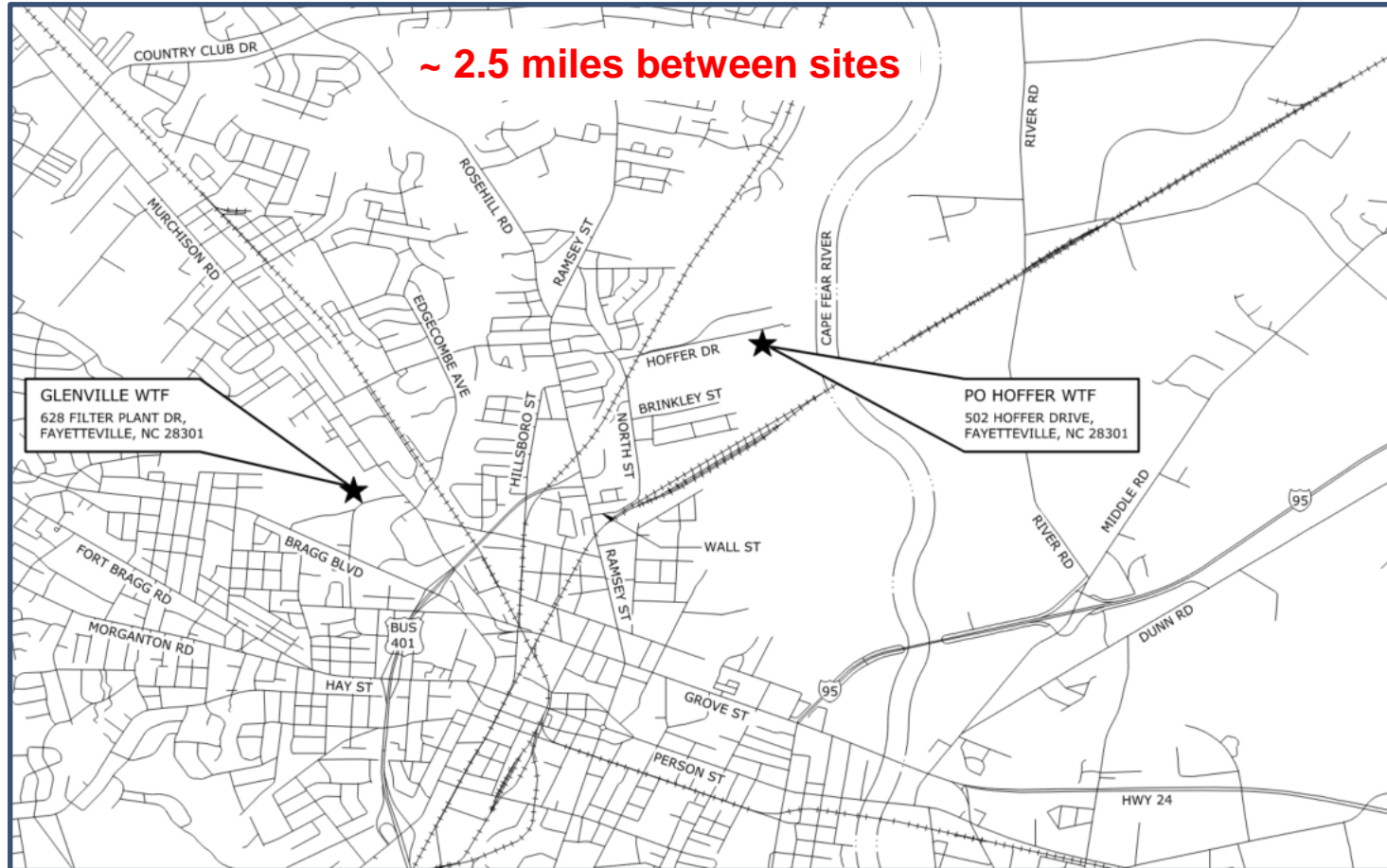
Additional Project Requirements

Additional Project Requirements

- Partial Completion Requests: 00 72 00 General Conditions Article 14.05
- Secured permits
 - Erosion and Sediment Control (NCDEQ)
 - Authorization to Construct (NCDEQ)
- Contractor responsible for obtaining all other permits

Project Location and Components

Project Location

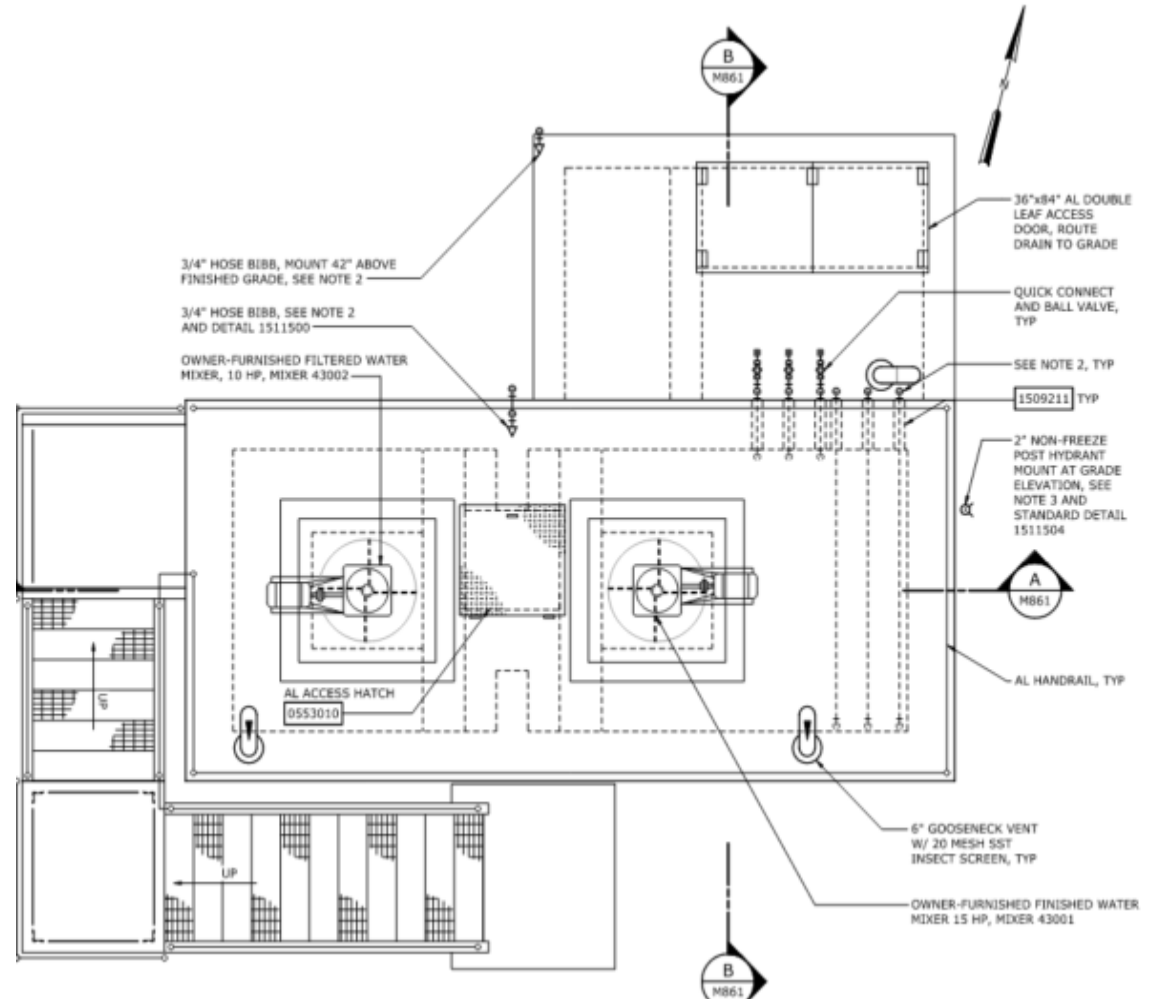


P.O. Hoffer Water Treatment Facility

Project Components

P.O. Hoffer Water Treatment Facility – BASE BID

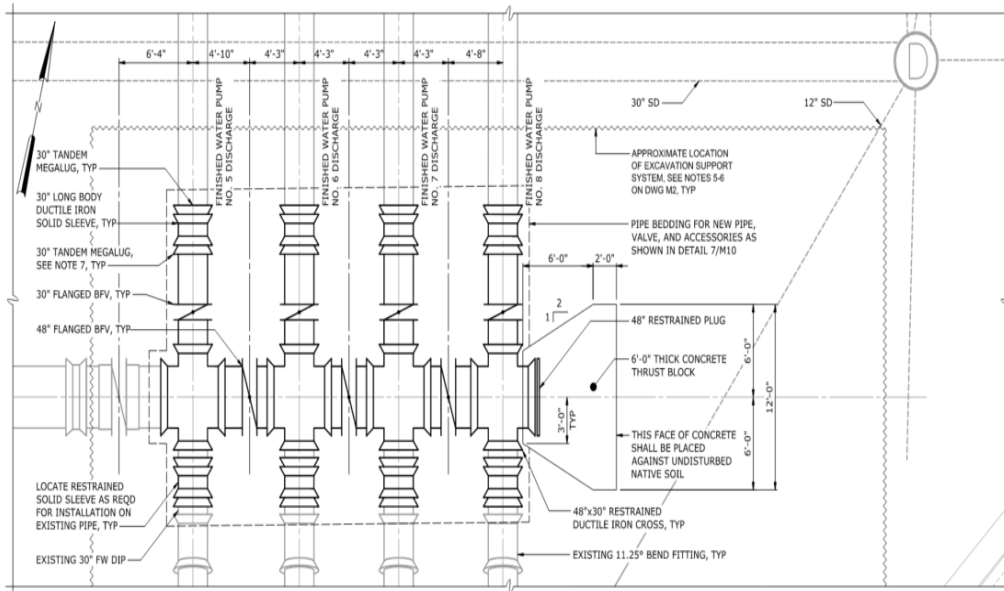
- New Filtered Water Mixing Vault
 - Cut into existing 54" carbon steel piping
 - Cast-in-place concrete structure
 - Two (2) vertical mixers (OWNER-FURNISHED)
 - Chemical addition
 - 54" BFVs for isolation



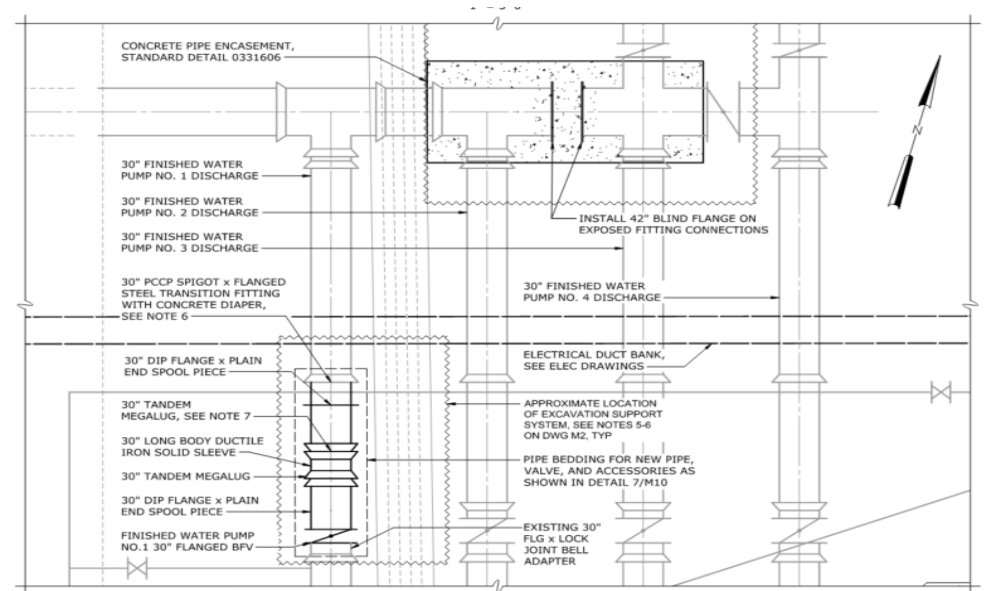
Project Components

P.O. Hoffer Water Treatment Facility – BASE BID

- Large Diameter Finished Water Butterfly Valve Replacement



Located in discharge piping of HSPs 5 – 8
Three (3) 48" and four (4) 30" BFVs

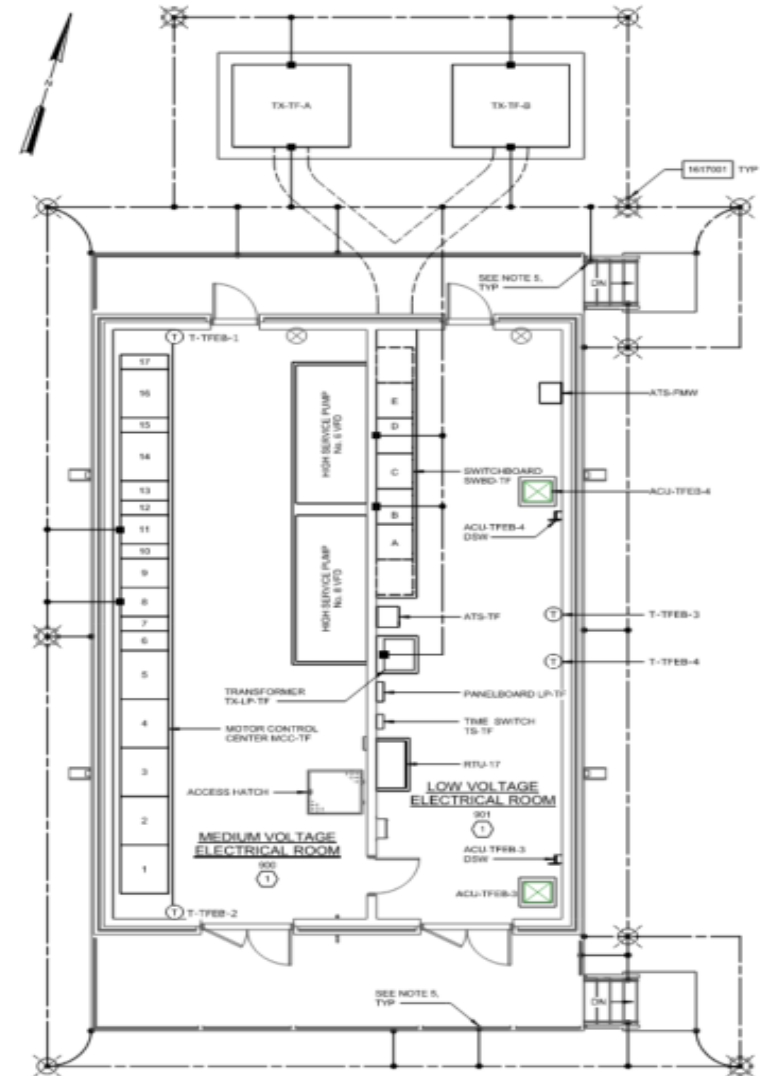


Located in discharge piping of HSPs 1 – 4
One (1) 30" BFV

Project Components

P.O. Hoffer Water Treatment Facility – BASE BID

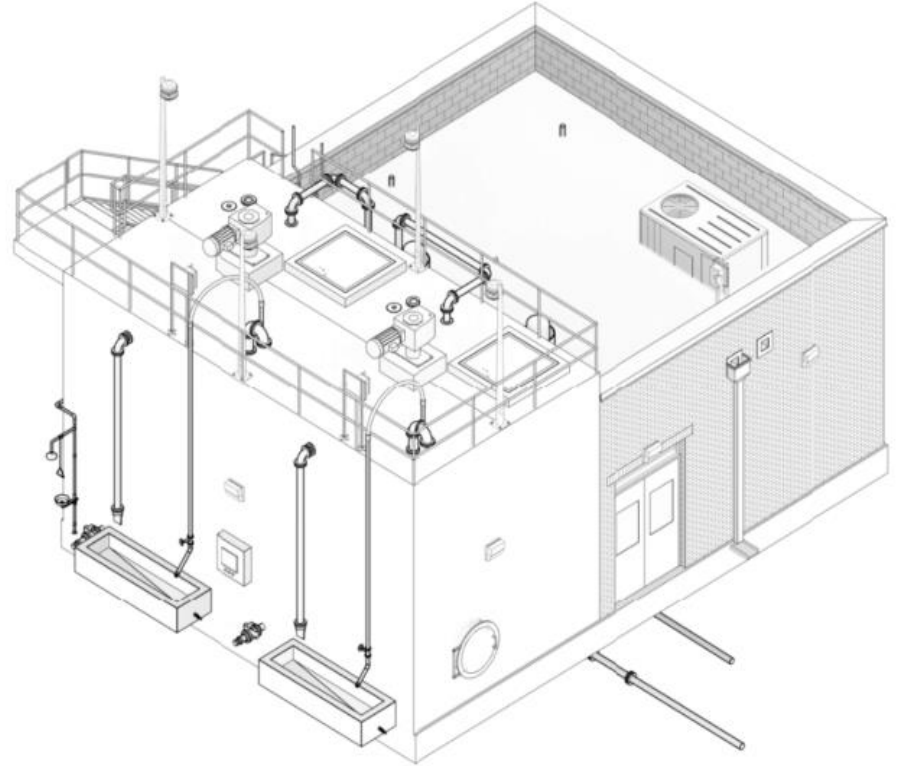
- New Electrical Building
 - **Masonry block / brick veneer structure**
 - *Access below floor to cabling*
 - **Medium voltage room**
 - *MCC-TF (RVSSs for HSPs No. 1 – 5 & 7 and BWP)*
 - *VFDs for HSPs No. 6 and 8*
 - **Low voltage room**
 - *Switchboard-TF*
 - *Panelboard-TF*
 - *RTU-17*
 - **Utility-furnished transformers TX-TF A & B**
 - *Step down to 480V*



Project Components

P.O. Hoffer Water Treatment Facility – ALTERNATE BID

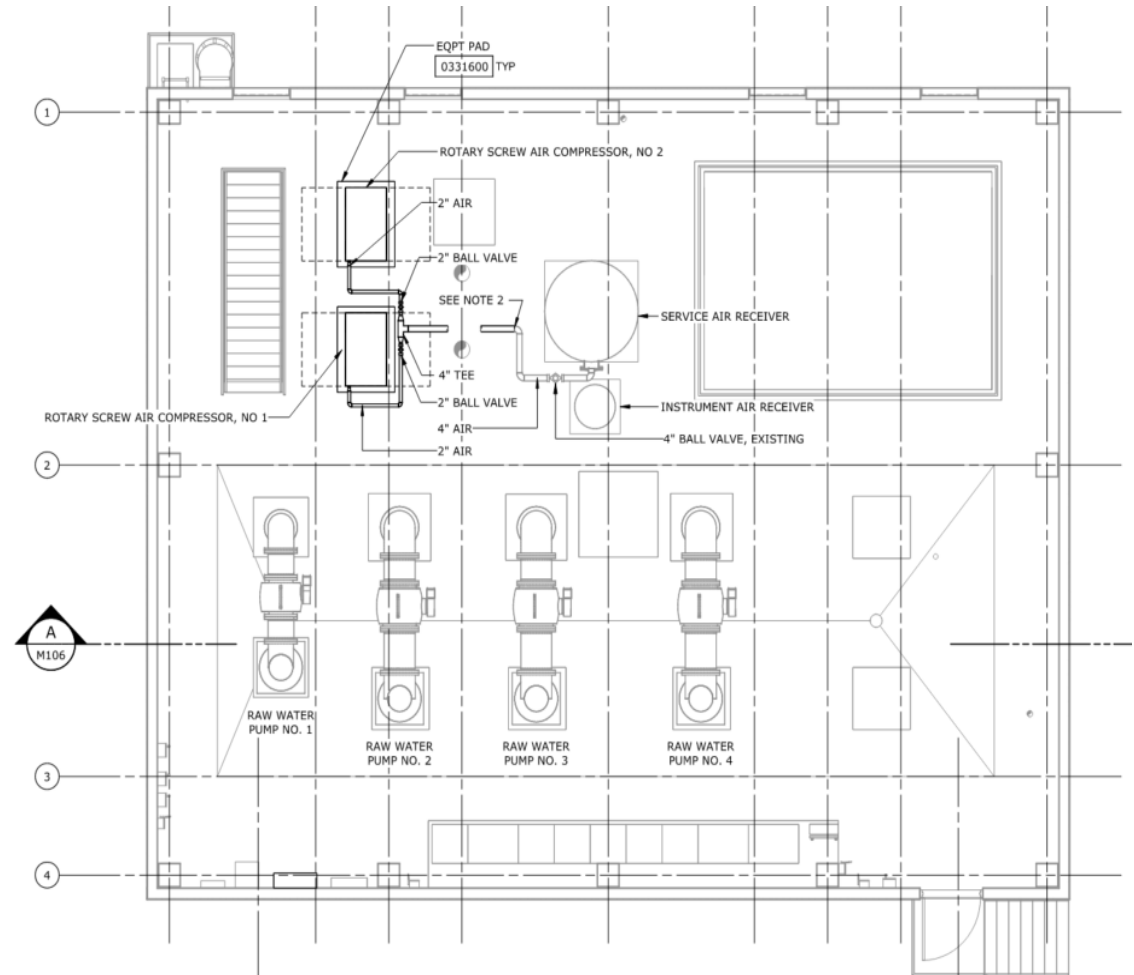
- **New PAC Storage and Feed Facility**
 - **Cast-in-place concrete slurry tanks**
 - *Two (2) vertical mixers*
 - **Masonry block / brick veneer feed building**
 - *Six (6) hose pumps*
 - *Electrical and mechanical rooms*
 - **Off-loading area**
 - *Fill panel*
 - *Two (2) fill connections with pre-cast concrete troughs*
 - **Feed locations**
 - *24" RW line to Glenville Lake (new manhole)*
 - *Two (2) 36" RW lines to P.O. Hoffer (inside RWPS)*



Project Components

P.O. Hoffer Water Treatment Facility – ALTERNATE BID

- Air Burst System Compressor System Replacement
- Two (2) rotary screw air compressors with integral dryers
- Receivers to be reused
- Minor piping upgrades



Glenville Lake Water Treatment Facility

Project Components

Glenville Lake Water Treatment Facility – BASE BID

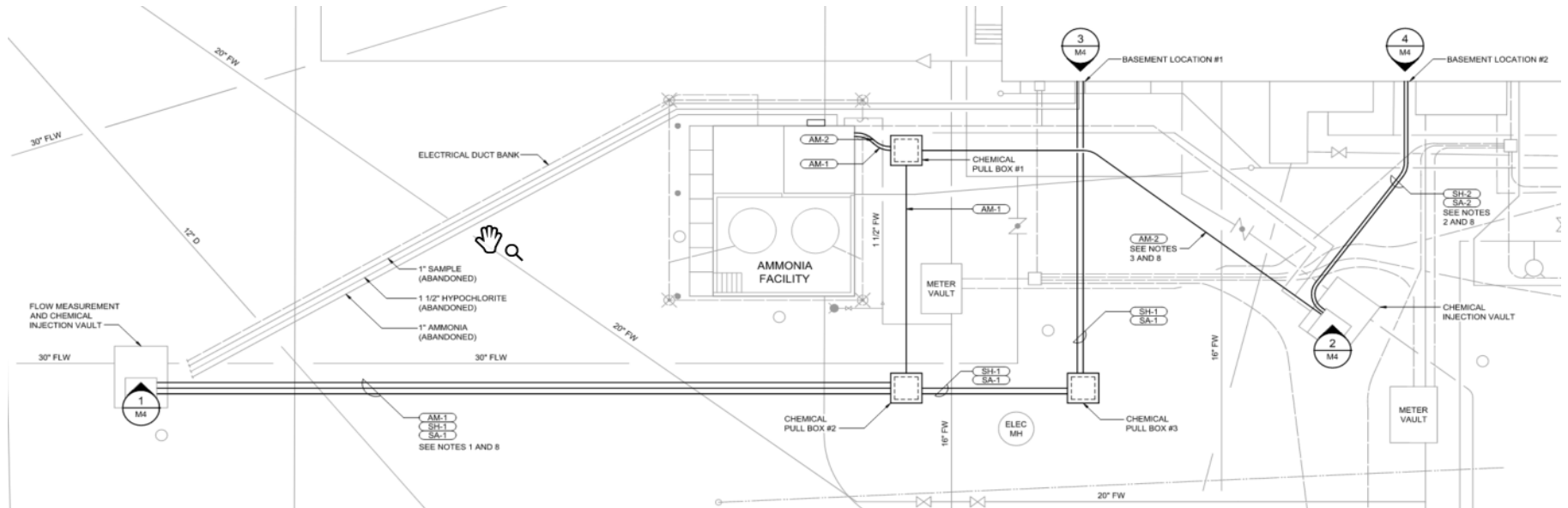
- New SCADA System
 - All new PLCs (Allen-Bradley CompactLogix)
 - Install three (3) new RTUs
 - HMI Operator Workstation in Filter Mezzanine
 - New redundant SCADA Servers and HMI Operator Workstation in Control Room
 - Install new wireless communication network (WLAN) with wireless access points
 - *Interface with tablets*
 - Install new VTScada software and configure HMI screens
 -



Project Components

Glenville Lake Water Treatment Facility – BASE BID

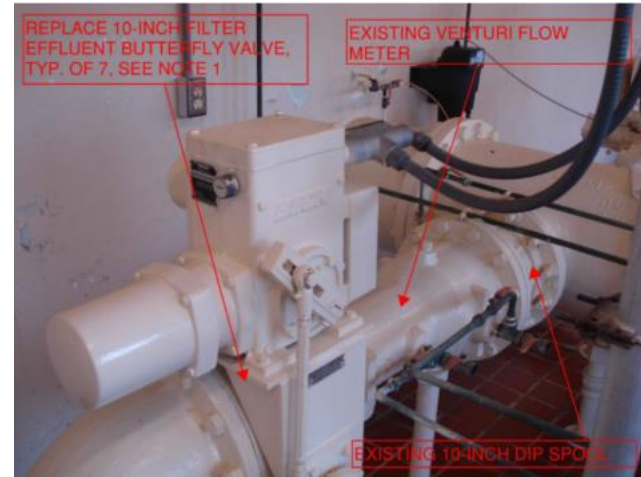
- New Chemical Ductbanks
 - Concrete-encased
 - PVC casing pipes with HDPE feed lines
- New pre-cast concrete pull boxes
- Serving aqua ammonia, sodium hypochlorite, and sodium hydroxide finished water feed points



Project Components

Glenville Lake Water Treatment Facility – BASE BID

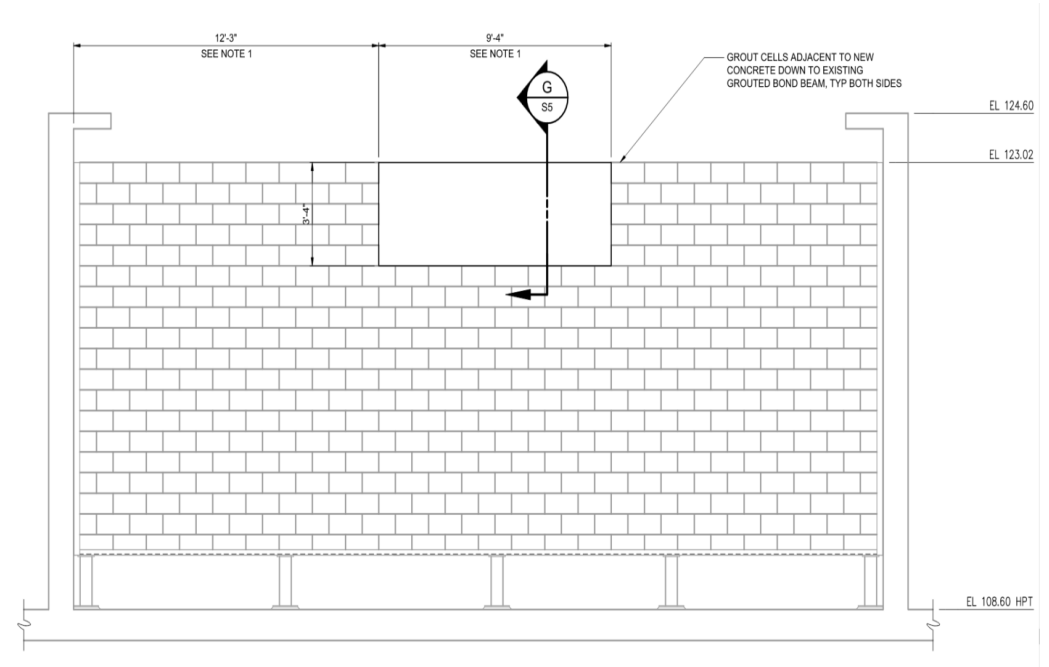
- New Filter Effluent Valve Replacement
 - Replace 7 of 12
 - Butterfly type
 - Provide flow control
 - Contractor to coordinate dimensions



Project Components

Glenville Lake Water Treatment Facility – BASE BID

- Flocculation Basin Baffle Wall Repairs
 - Existing masonry block walls in Flocculation Basins A and B
 - Replace eroded section with concrete
 - Extend opening size into each basin



Coordination with Owner's Operations

Coordination with Owner's Operations

- Refer to Section 01520 for specific constraints
- The existing plant will be maintained in continuous operation by the Owner during entire construction period
- 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

Hazen *Meeting Minutes*

August 16, 2023

Location: Microsoft Teams
Subject: PO Hoffer Water Treatment Facility and Glenville Lake Water Treatment Facility Reliability Improvements Contract No. 55 Pre-Bid Meeting
Attendees: See attached attendee list

A mandatory Pre-Bid Meeting for the P.O. Hoffer and Glenville Lake Water Treatment Facility Reliability Improvements Contract No. 55 was held on Microsoft Teams to review bidding requirements and project scope.

The meeting PowerPoint slides and attendee list are attached for reference. Documented below are the questions received and provided answers during the meeting.

Questions/Comments:

- How to receive documents from Hazen and how to ask questions?
 - *Response: Hazen is fine with fielding questions and looping PWC in as needed. Submit any requests or questions via email.*
- Is there any MOPO included in this work?
 - *Response: Yes, refer to Section 01520 for specifics.*
- Is it possible that the bid date be moved a week or two?
 - *Response: Hazen requests that bid date extension requests be submitted via email. Hazen is already aware of a few of these requests and will discuss with PWC.*
- Substantial amount of lead times are being seen for electrical gear and components. The project is listed for about 18 months from beginning to end. It's hard to know what timeline to request considering these lead times. Is it possible to delay Notice-to-Proceed to accommodate long procurement durations?
 - *Response: Contract duration has been extended to 2 years to account for long lead time concerns. This contract change will be reflected in the first addendum.*
- Who should be contacted to arrange site visits to the plants?
 - *Response: Hazen asks that these requests be sent to the project email address providing the inquirer's availability next week. A date and time will be selected and sent out in the first project addendum.*
- Is there a budget Hazen can share?
 - *Response: Budget for base and alternate bid is between 18 and 20 million dollars.*

- PWC Procurement staff reinforced the requirement for bidders to complete DWI requirements for MWBE solicitation/participation as well as the subcontractor identification for major trades provided in the bid form.

End of meeting minutes.

PO Hoffer WTF and Gelnvile Lake WTF 8/16/2023 10 a.m. EST Teams Pre-Bid Meeting Attendees

<u>Name</u>	<u>Org</u>	<u>Contact</u>
Andrew Jerome	J. Cumby Construction	bids@jcumbyconstruction.com
Eric Haiderer	Wharton Smith	ehaiderer@whartonsmith.com
Karen Kelley	Gillispie Trucking LLC Dump Truck Company	melvingillispiee34@yahoo.com
Jim Bercik	MR Systems	jbercik@mrsystems.com
Julie Booth	Brown and Morrision	Julie.booth@brownandmorrison.com
Paul Stephenson	Crowder Construction	pstephenson@crowderusa.com
Rodney Spriggs	Instru Logic	rspriggs@instrulogic.com
Matthew Landing	MB Kahn	wwbids@mbkahn.com
Nikole Bohannon	Fayetteville Public Works Commission	nikole.bohannon@faypwc.com
Tanya Hazlett	Fayetteville Public Works Commission	tanya.hazlett@faypwc.com
Vance McGougan	Fayetteville Public Works Commission	vance.mcgougan@faypwc.com
Brandie Grubb	Fayetteville Public Works Commission	brandie.grubb@faypwc.com
Cory Hopkins	Hazen and Sawyer	Sgeiselhart@hazenandsawyer.com
Sandra Geiselhart	Hazen and Sawyer	Chopkins@hazenandsawyer.com