



## CITY OF HAVELOCK

Post Office Box 368  
Havelock, NC 28532

### INVITATION TO BID

Pursuant to North Carolina General Statutes §143-131, the City of Havelock invites informal bids on the following:

Bids must be submitted in accordance with the attached specifications. Bids must include an itemized schedule (including quantity, unit price and total) for each work element. Bids can be submitted by mail, email, fax or hand delivered. Cover sheets, envelopes, etc. should be clearly marked with the words:

*“City of Havelock,  
2024 Aeration Piping at the Waste Water Treatment Facility”*

**Address Bids to:** **Kimberly Walters, Finance Director**  
**City of Havelock**  
**P.O. Box 368**  
**1 Governmental Ave.**  
**Havelock, NC 28532**  
**Fax: 252-447-0126**  
**Email: [Bids@havelocknc.us](mailto:Bids@havelocknc.us)**

Bids will be accepted until **2:00 PM (EST) on Thursday, September 12, 2024** at which time they will be reviewed in the office of the City Finance Officer. Quotes are not subject to public inspection until the contract is awarded. The bids are good for 75 days after opening. The winning bidder will be issued a Notice To Proceed (NTP) along with a Purchase Order. The performance period is 30 calendar days from the NTP.

**Bidders are cautioned not to submit bids until the proposed requirements and specifications have been carefully examined. It will be considered that bidders will have satisfied themselves as to the accuracy of the specifications. No proposal will be considered unless prices are submitted for all items requested in any section. The City reserves the right to change the amount of quantities.**

**All bids submitted should be to the desired specifications. Any exceptions to the specifications will be evaluated based on the best interest of the City. Any deviation from specifications indicated herein must be clearly pointed out; otherwise, it will be considered that items offered are in strict compliance with these specifications, and bidder will be held responsible therefore. Deviations shall be explained in detail. The bidder shall not construe this paragraph as inviting deviation or implying that any deviation will be acceptable.**

The names of certain brands or makes denote quality standard in the article desired, but do not restrict bidders to the specific brand, make or manufacturer named. They are meant to convey to prospective bidders the general style, type, character and quality of the article desired.

The successful bidder on all construction contracts will be required to conduct the operation in accordance with all Federal, State, and Municipal health and safety rules, regulations and laws applicable to the operation. The successful bidder may be asked to provide the City with a copy of the company's safety plan prior to commencing work. For all projects over \$30,000, a general contractor's license must be furnished to the City if applicable.

Certificate to Transact Business in North Carolina: As a condition of contract award, each out-of-State Vendor that is a corporation, limited-liability company or limited-liability partnership shall have received, and shall maintain throughout the term of The Contract, a Certificate of Authority to Transact Business in North Carolina from the North Carolina Secretary of State, as required by North Carolina law. A contract requiring only an isolated transaction completed within a period of six months, and not in the course of a number of repeated transactions of like nature, shall not be considered as transacting business in North Carolina and shall not require a Certificate of Authority to Transact Business.

The City will not sell bid packages. Plans, specifications, and addenda may be viewed and obtained online at [www.havelocknc.us](http://www.havelocknc.us). Click on: “Bid on a Contract”; “Current Bids”. The Bidder’s List is maintained by Vendor Registry. Registration for the Bidder’s List is made online at [www.havelocknc.us](http://www.havelocknc.us). Click on: “Bid on a Contract”; “Vendor login/Registration”.

**N.C.G.S. (North Carolina General Statutes), specifically §160A-20.1(b), prohibit the City from entering into contracts with contractors and subcontractors who have not complied with the requirement of Article 2 or Chapter 64. The Contractor shall submit the E-Verify Affidavit, located in the Bid Proposal section, with their bid. Bids that do not include this Affidavit will be considered non-responsive.**

N.C.G.S 147-86.42-84 requires that contractors with a North Carolina Local Government must not utilize any subcontractor found on the State Treasurer’s Iran Divestment list or Companies Boycotting Israel list. The referenced lists can be found on the State Treasurer’s website at the address [www.nctreasurers.com](http://www.nctreasurers.com) and will be updated every 180 days.

The City of Havelock reserves the right to reject any or all proposals and to purchase items from the state contract in the efforts to award the contract to the bidder it deems to be for the best interest of the City.

**MODIFICATION AND WITHDRAWAL OF BIDS.** Bids may be modified or withdrawn by an appropriate document duly executed (in the manner that a Bid must be executed) and delivered to the place where Bids are to be submitted at any time prior to the opening of Bids. A request to withdraw a bid may be made to the Owner within 72 hours after Bids are opened in accordance with NCGS § 143-129.1 Requests to withdraw a Bid will be subject to the requirements of NCGS §143-129.1 and in the sole discretion of the City of Havelock Finance Officer.

This institution is an equal opportunity provider, and employer.

**Contact person(s) for information on this bid:**

For questions in regards to the bid specifications, the City requires and only responds to questions submitted in writing and sent via email to: [Bids@havelocknc.us](mailto:Bids@havelocknc.us)

Questions must be received by **2:00 PM (EST) on Tuesday, August 27, 2024**. If questions are received, the City will respond no later than **12:00 PM (EST) on Thursday, September 5, 2024**.

This is the 14th day of August 2024

Published: Vendor Registry August 14, 2024

CITY OF HAVELOCK

Kimberly Walters  
Finance Director



**STATE OF NORTH CAROLINA  
AFFIDAVIT  
CITY OF HAVELOCK**

I, \_\_\_\_\_ (the individual attesting below), being duly authorized by and on behalf of \_\_\_\_\_ (the entity hereinafter "Employer") after first being duly sworn hereby swears or affirms as follows:

1. Employer understands that E-Verify is the federal E-Verify program operated by the United States Department of Homeland Security and other federal agencies, or any successor or equivalent program used to verify the work authorization of newly hired employees pursuant to federal law in accordance with NCGS §64-25(5).
2. Employer understands that Employers Must Use E-Verify. Each employer, after hiring an employee to work in the United States, shall verify the work authorization of employee through E-Verify in accordance with NCGS §64-26(a).
3. Employer is a person, business entity, or other organization that transacts business in the State and that employs 25 or more employees in this State. (mark Yes or No)
  - a. YES \_\_\_\_\_, or
  - b. NO \_\_\_\_\_
4. Employer's subcontractors comply with E-Verify, and if Employer is the winning bidder on this project, Employer will ensure compliance with E-Verify by any subcontractors subsequently hired by Employer.

This \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

Signature of Affiant: \_\_\_\_\_

Print or Type Name: \_\_\_\_\_

State of North Carolina County of \_\_\_\_\_

Signed and sworn to (or affirmed) before me, this the

\_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

\_\_\_\_\_  
Signature of Notary

\_\_\_\_\_  
Printed Name of Notary

## Bid Sheet

Base Bid: \_\_\_\_\_

NC Sales Tax: \_\_\_\_\_

Delivery Cost (if applicable): \_\_\_\_\_

Total Cost to City: \_\_\_\_\_

Bids must include an itemized schedule by quantity, unit price and total for each work element.

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

Company Address: \_\_\_\_\_

Contact Person: \_\_\_\_\_

Telephone Number: \_\_\_\_\_

Email Address: \_\_\_\_\_

NC Contractor's License Type and Number: \_\_\_\_\_

Number of Addendums Acknowledged (circle one):    N/A    1    2    3    4

***As of the date listed below, the vendor or bidder listed above is compliant with N.C.G.S. 147-86.42-84, the Iran Divestment Act and the Companies Boycotting Israel Act.***

Authorized Signature: \_\_\_\_\_

Print Name of Authorized Signature: \_\_\_\_\_

Title: \_\_\_\_\_

**Address Bid to:    Kimberly Walters, Interim Deputy Finance Officer**  
City of Havelock  
P.O. Drawer 368  
1 Governmental Avenue  
Havelock, NC 28532  
Bids@Havelocknc.us

**Please indicate the Bid name on the outside of the envelope.**

# 2024 Aeration Piping at the Waste Water Treatment Facility

## 304 Jackson Dr. Havelock, NC. 28532

### **Objective:**

Replace the aeration piping within the wasting basin at the Waste Water Treatment Facility in Havelock, NC.

### **Scope:**

The Wasting Basin at the Waste Water Treatment Plant in Havelock, NC. is a 14' deep / 16' wide / 60' long concrete basin. This basin utilizes diffused bubble aeration with 6" stainless steel aeration pipe to stir the sediments within bottom of the basin. Currently the aeration piping has broken at a flange joint and dislodged from the cradles and is now broken. The submersible aeration piping is stainless steel piping but is tied to carbon steel on the top of the basin. The piping to be replaced is all of the stainless-steel aeration pipe from the area where the stainless steel adjoins to the carbon steel. See figure 5. All Course Bubble Diffusers are to be replaced as well.

The aeration piping within the Wasting Basin is a total of 70 lineal feet and sits approximately 2' off the floor of the Wasting Basin. The vertical section is approximately 11', there are two portions of horizontal piping one approximately 7' and the other approximately 52'. There are two 90-degree LR elbows, one connecting the vertical piping to the horizontal piping and the other connecting the 7' pipe to the 52' pipe section. See figure 2. The end of the 52' section will be sealed with a weldable cap.

A site visit is highly encouraged but not mandatory. The contractor will be responsible for following all OSHA confined space procedures. The contractor will be responsible for supplying all confined space equipment. All measurements are approximate, contractor to verify. The City of Havelock shall not be held responsible for omissions or errors in description. The contractor shall be responsible for furnishing all materials, supplies, labor, and equipment necessary for the completion of this project.

### **Piping Replacement:**

- a. The contractor shall be responsible for removal of all sludge and sediment from the bottom of the Wasting Basin. Sludge and sediment shall be removed by use of a suction truck, shovels, and squeegees. The contractor shall be responsible for removal and disposal of all sediment and sludge which is removed from the Wasting Basin.
- b. The contractor shall be responsible for removal of all sediment and replacement of all aeration piping within a five-day timeframe.
- c. The contractor shall be responsible for supplying all equipment and material to complete this project.
- d. The contractor shall be responsible for removal and disposal of the stainless-steel aeration piping that is currently within the Wasting Basin.
- e. The contractor shall be responsible for using 316L Stainless Steel as the replacement material for piping, fittings, bracketry, saddles, and hardware.

- f. The contractor shall be responsible for supplying the 6" 316L pipe to replace the 6" aeration trunk line. The pipe shall be in no more than 20' long sections and connected by use of 150-pound flanges which have been welded to the pipe. The contractor shall be responsible for supplying and utilizing gasketing between the 150-pound flanges.
- g. The contractor shall be responsible for installing 16 weldable nipples, which are weldable on one end and threaded on the other, to the bottom of the aeration piping which is running along the bottom of the Wasting Basin. The nipples are to be evenly spaced along the length of the 52' section of pipe. Eight nipples shall be ½" and the remaining eight shall be ¾". The ½" nipples shall be installed within the front of the aeration pipe; the ¾" couplings shall be installed within the back portion of the aeration pipe. See Figure 2.
- h. The contractor shall be responsible for supplying 24 – ¾" and 24 – ½" diffusers which are to be 2' in length and to be utilized as the aeration for the Wasting Basin. The Course Bubble Diffusers to be utilized shall be stainless steel and equal to or better than Aercor diffuser's part number E00865. See figure 6 for an example of a Course Bubble Diffuser.
- i. The contractor shall be responsible for utilizing a marine grade thread compound for all threaded connections.
- j. The contractor will be responsible for threading crosses on the nipples leaving two of the outlets perpendicular to the 6" trunk line. Two 3' threaded pipes shall be threaded perpendicular into the cross and diffusers are to be threaded into the pipes. A street elbow will be threaded into the bottom connection of the cross. The street elbow is to be pointing to the back of the 6" trunk line when tightened and a diffuser is to be threaded into the street elbow. See Figure 4.
- k. There are a total of five 6" trunk line saddles within the bottom of the Wasting Basin. The contractor will be responsible for inspecting the 6" saddles and saddle strapping in the bottom of the Wasting Basin. The contractor will be responsible for making any and all repairs to the saddles and saddle strapping before the installation of the 6" aeration trunk line.
- l. The contractor shall be responsible for setting the new 6" trunk line into the saddles and securely strapping the 6" trunk line.
- m. The contractor shall be responsible for torquing the 150-pound flange bolts to a minimum of 130 pounds in a 3-pass sequence. The first pass will be 30% of the final torque value. The second pass will be 60% of the final torque value. The third pass will be 100% of the final torque value.
- n. The contractor shall be responsible for fabricating 16 - ½" saddle stands and 16 - ¾" saddle stands. The saddle stands will have a four-bolt flanged base that is to be tightly adhered to the concrete floor of the Wasting Basin by use of threaded concrete wedge anchors. The threaded concrete wedge anchors are to be installed no more than 2.5" into the floor of the Wasting Basin.
- o. The contractor shall be responsible for supplying 16 – ½" and 16 – ¾" pipes which are 3' long and threaded on both ends. The ½" and ¾" pipes shall be threaded into the cross at the perpendicular ends. The ½" and ¾" pipes shall fit securely into the saddles and have a saddle strap adhering the pipes to the fabricated saddle stands.

- p. The contractor shall be responsible for performing as much shop fabrication and inspection as possible before piping replacement and installation begins.
- q. The contractor shall be responsible for utilizing AWS D10.18 as the welding standard during the course of this project. The qualifications to be held for welders must be ASME B31.1 / B31.5.
- r. The contractor shall be responsible for threading the diffusers onto all end connections.

### **1. Site Restoration**

- a. Disturbance of existing landscape features shall be held to a minimum and all disturbed areas returned to a condition equal or better when repair is complete. Care shall be taken so as not to damage existing features to remain such as roadways, curbs, driveways, sidewalks, etc. All features removed or damaged shall be replaced or repaired to existing condition or better. All demolished material shall become the property of the contractor and shall be removed from the work site and disposed of in accordance with all local State, and Federal requirements. As-built documentation shall include a description of materials used and repair procedures completed at each site.

### **2. Performance Period**

- a. It will be the contractor's responsibility to set a start date with a representative from the City of Havelock to begin a project within thirty (30) days from the issuance of a purchase order.
- b. The performance period is 30 days from the listed date on the Notice to Proceed.
- c. Scheduling for this work to begin must be arranged with a representative from the City of Havelock.
- d. The contractor shall work diligently to complete the project from the arranged start date. Work hours shall be 8am to 5pm, Monday through Friday. No work shall be performed on City holidays. Work outside established work hours must be scheduled with the City, 48 hours in advance and is subject to approval.
- e. The contractor will be responsible for contacting a representative of the City of Havelock in the event that a project will be extended outside of the arranged performance period. Contact must be in the form of an email and acceptance of the extension of the performance period from a representative of the City of Havelock must also be in the form of an email.

### **3. Access:**

- a. Access to project site is within Waste Water Treatment Plant in Havelock, NC.

#### **4. Termination Clause:**

- a. Any agreement and issuance of purchase orders shall be terminated upon the expiration of (90) ninety days without work commencing. At the end of ninety days the City of Havelock will give written notice to the other party of its intention to terminate.
- b. Any intent to begin a project ninety (90) days or more after a purchase order has been issued must be submitted in writing and approved by a representative of the City of Havelock.

#### **5. Warranty:**

- a. Contractor will be held responsible for the materials and workmanship utilized within this project for a term of one year from the time that the aeration piping is put back into service.
- b. The City of Havelock will be responsible for the warranty of any materials that are supplied to the contractor by the City of Havelock during the course of this project.

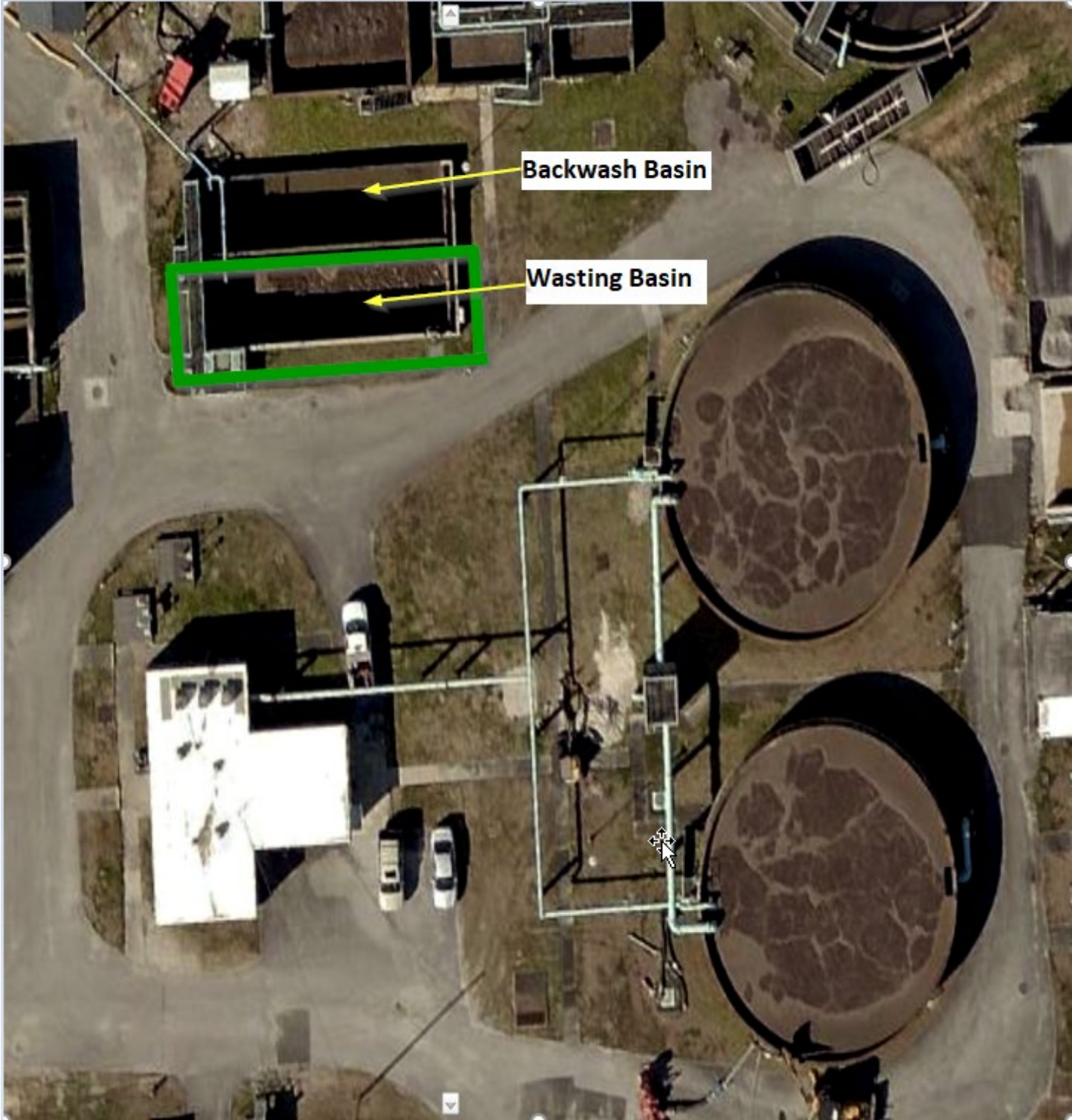
#### **General Provisions:**

- a. Contractor shall comply with all requirements of OSHA 1926.
- b. Work hours shall be 8am to 5pm, Monday through Friday. No work shall be performed on City holidays. Work outside established work hours must be scheduled with the City, 48 hours in advance and is subject to approval.
- c. Contractor will obtain all necessary permits. Permits required by City of Havelock are provided free of charge.
- d. Roadway repair is the responsibility of the contractor.
- e. Contractor shall control erosion and sediment release while this project is under construction.
- f. The contractor is to clean and remove all debris at the end of each work day.
- g. All underground utilities are to be 811 located, prior to work being started.
- h. Contractor is responsible for all damage to existing roads, driveways, drainage, or utilities that occur as a result of the construction project.
- i. Contractor is responsible for all damage to City property that occurs as a result of the construction of the project.
- j. Contractor shall provide safety measures during the entire length of the project.
- k. Contractor is responsible for the storage and safety of materials and equipment on jobsite.
- l. Submittals must be approved by the City of Havelock prior to any work starting.
- m. The performance period is 30 days from the Notice to Proceed.

#### **Liquidated Damages:**

- a. The Contractor agrees to pay the owner \$300 per day in liquidated damages for each day beyond the period of performance.

Figure 1: Image of Work Area



*Figure 2: Image of pipe within the Backwash basin.*



*Figure 3: Image of Aeration Piping in the Wasting Basin*

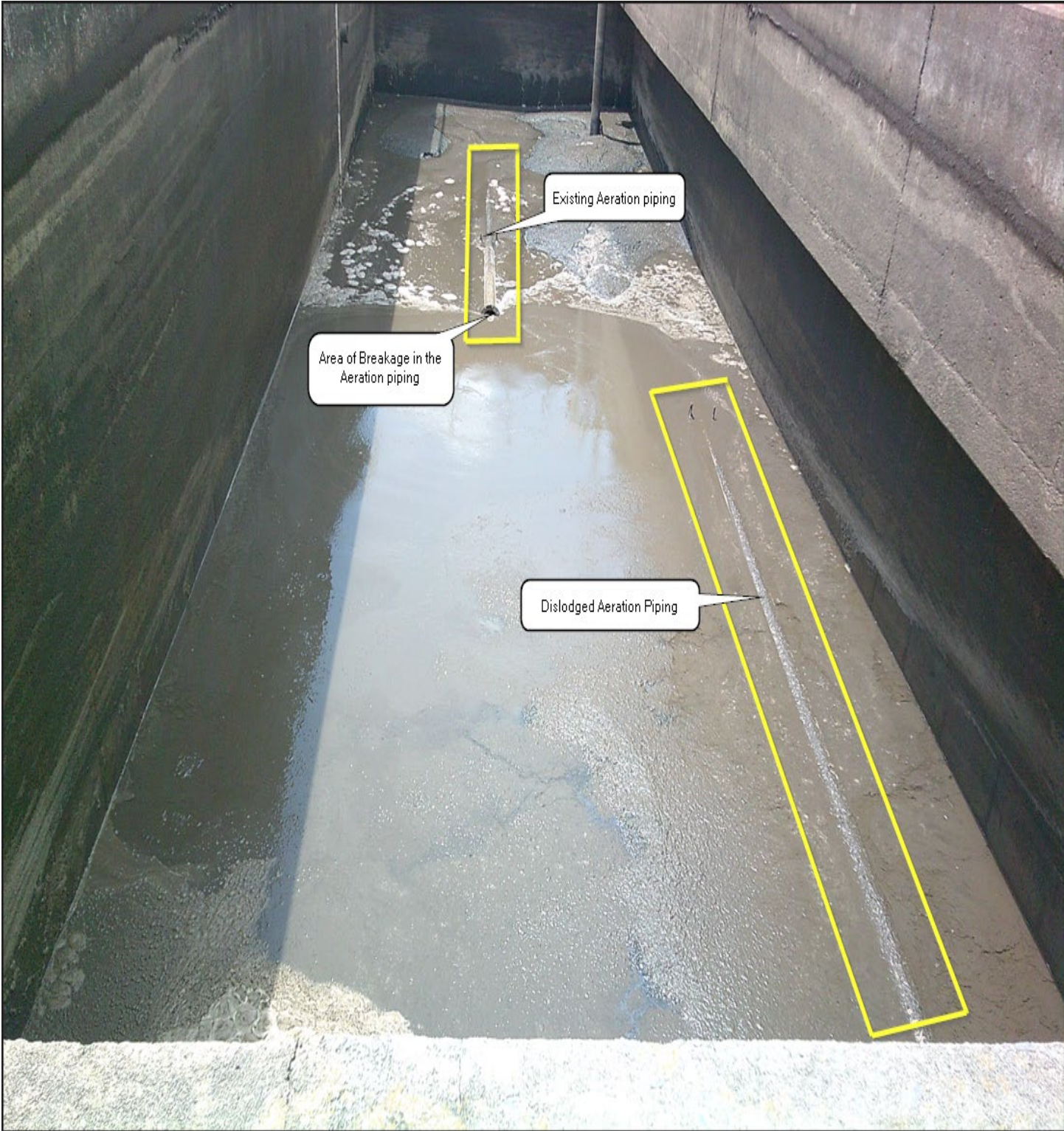
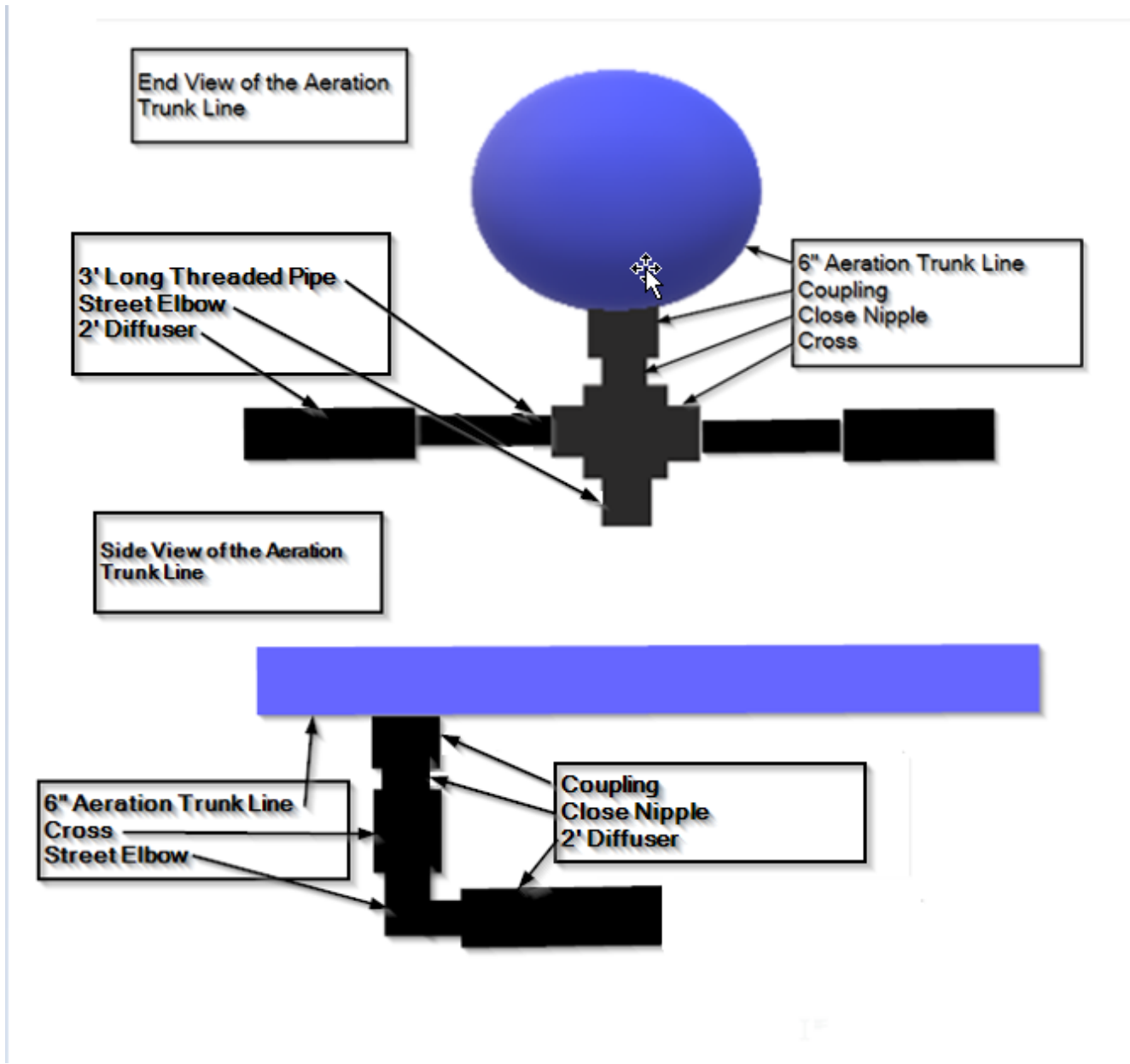


Figure 4: Image of side and end view of the Header Pipe to be installed.



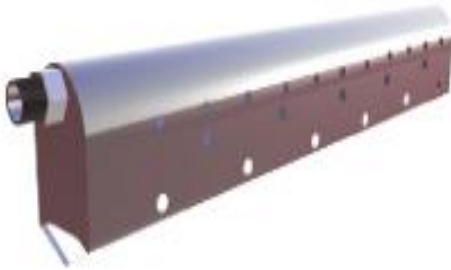
*Figure 5: Image of the carbon to stainless steel connection.*



Figure 6: Example of a Course Bubble Diffuser:

SKU	Price
J8350472	-

## COARSE BUBBLE DIFFUSERS



- Ideal for tough mixing applications where accumulations can break off of plastic diffusers
- Open-bottom style prevents entrapment of solids in unit when shut off, providing superior long-term operation
- Easy installation with 3/4" MNPT threads
- Material: 316 SS

SKU	Length	Rated SCFM	Price
E00864	12"	3.0-18.0	-
E00865	24"	5.0-36.0	-