

INVITATION FOR BID OCTOBER 19, 2026

INVITATION FOR BID NUMBER	IFB 26-051	
NAME OF BID	Purchase of One (1) Macerator, control panel, and associated appurtenances for Myers WTP	
BIDS WILL BE RECEIVED AT	MAWSS Purchasing Dept. Bid Box East Visitor Entrance 4725 Moffett Road Mobile, AL 36618	If sending bids by UPS/Fed Ex, deliver to: 1610 Shelton Beach Rd. Ext., Mobile, AL 36618 Attn: Purchasing with IFB# marked on envelope
BID OPENING DATE	November 17, 2026	
BID CLOSING TIME	10:30 am Central Time	
AWARD WILL BE MADE BY	Total Cost & Lead Time	
MATERIAL DELIVERED TO	Myers WTP 1475 Hubert Pierce Rd. Mobile, AL 36608	
ADDITIONAL INFORMATION CONTACT	Markus Moore 251- 721-0828 Email: mamoore@mawss.com John Jordan 251-378-3492 Email: jjordan@mawss.com	
APPLICABLE SDP POLICY	None	

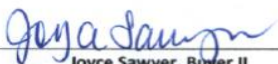
Sealed bids must be in the Purchasing Department no later than the time specified to be considered. Submissions received after the deadline will not be considered. Envelopes must bear the name of the supplier, company address and the words **"IFB 26-051 Macerator Equipment Purchase"** or **"IFB 26-051 NO QUOTE."** Facsimile or email bids will not be accepted.

All bids must be submitted on the attached forms, or your bid will be disqualified. Bidder shall furnish all the information required by the solicitation. The bidder's name must be typed or printed on the bid sheet and signed by the bidder or appropriate authorized executive officer of the bidder's company. Bidders must initial any changes or erasures. Bidders should retain a copy of bids for their records.

Bidders shall acknowledge receipt of all addenda to this solicitation by signing and returning each addendum or by identifying the addendum number and the date on the bid form. Failure to acknowledge receipt of any addendum by a bidder will result in rejection of the bid if MAWSS determines that the addendum contains information that materially changes the requirements.

All bids shall be quoted FOB Destination, freight prepaid with no additional charges. Unless otherwise specified in the bid, all prices will be on a firm-fixed price basis and are not subject to adjustments based on costs incurred. MAWSS reserves the right to reject any or all bids submitted, to waive any informality in any bid or in the bid process, or to terminate the bid process at any time, if deemed by MAWSS to be in MAWSS's best interest.

A Purchase Order and this "Invitation for Bid" with "Specifications," "Conditions," "Bid Form," signed by the successful bidder's authorized representative, and all attached drawings and other documents furnished by MAWSS to the bidders with the Invitation for Bid in order to illustrate the contract requirements, will constitute a contract for the goods and/or services to be purchased.


Joyce Sawyer, Buyer II
Board of Water and Sewer Commissioners

IFB 26-051 MACERATOR EQUIPMENT PURCHASE CONDITIONS

The Board of Water and Sewer Commissioners of the City of Mobile will accept bids for the **Macerator Equipment Purchase** in our Purchasing Department Bid Box located at the East Visitor Entrance at 4725 Moffett Road, Mobile, AL. 36618 **no later than 10:30 a.m.** local time on **November 17, 2026**. Bids will be opened immediately after bid closing time in the Operations Center Board room located at the East Visitor Entrance. Award will be by **Total Cost & Lead Time**. The bidder offers and agrees, if this bid is accepted, to furnish the items as defined in the specifications for the unit price set opposite each item. Pricing shall be FOB Mobile, Alabama. All items shall be delivered to **Myers WTP, 1475 Hubert Pierce Rd., Mobile, AL 36608** or to the job site as needed. The bidder shall state the expected length of delivery time on the Bid Form.

Bidder understands and agrees that manufacturer and part numbers are provided for descriptive purposes only. Items of equal or better quality will be considered but must be approved by MAWSS in writing. Upon delivery, if the quality, durability or performance of any product represented as equal or better is determined by MAWSS to be unsatisfactory, MAWSS will require a suitable substitute or will require that the originally specified item be delivered, at the unit price originally offered by bidder. No substitution for items to be provided pursuant to this contract shall be permitted during the contract period without the express written consent of MAWSS. All items provided shall be for commercial use and for the purposes reflected in the contract documents.

No bid on closed out or discontinued item(s) will be accepted. Item(s) that have a determinable shelf life must be disclosed at the time of bid submittal. Bidder understands that his/her bid shall be good and may not be withdrawn for a period of sixty (60) calendar days after the scheduled closing time for receiving bids.

MAWSS reserves the right to reject any or all bids submitted, to waive any informality in any bid or in the bid process, or to terminate the bid process at any time, if deemed by MAWSS to be in MAWSS's best interest.

A bidder may not modify its bid after bid opening. Errors in the extension of unit prices stated in a bid or in multiplication, division, addition or subtraction in a bid may be corrected by the MAWSS Purchasing Buyer prior to award. In such cases, unit prices shall not be changed.

It is the responsibility of the bidder to determine prior to the bid opening whether any amendment, additions, deletions or changes of any type have been made to this Invitation for Bid, Conditions, Specifications, Bid Form or any other bid documents. Bid documents and any amendments made to this bid will be posted on our website at www.mawss.com.

Invoicing Requirements: Invoices should be emailed to Accounts Payable at AcctsPayable@mawss.com with purchase order number on the invoice.

END OF CONDITIONS

**IFB 26-051 MACERATOR EQUIPMENT PURCHASE
SPECIFICATIONS**

**SECTION 46 24 23
SLUDGE GRINDERS**

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
1. In-line mounted sludge grinders.

1.2 QUALITY ASSURANCE

- A. Referenced Standards:
1. ASTM International (ASTM):
 - a. A536, Standard Specification for Ductile Iron Castings.
 2. National Fire Protection Association (NFPA):
 - a. 70, National Electrical Code (NEC).

1.3 SUBMITTALS

- A. Shop Drawings:
1. Net weight of grinder only.
 2. Net weight with baseplate and couplings.
 3. Dimensioned drawing of submitted model.
 4. Capacity versus percent solids and horsepower.
 5. Rotative speed.
 6. Anchoring requirements and configuration.
 7. Lifting eyes for hoisting equipment.
 8. Short Circuit Current Rating (SCCR) nameplate marking per NFPA 70.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Subject to compliance with the Contract Documents, the following manufacturers are acceptable:
1. Sludge grinders:
 - a. Boerger LLC
 - b. JWC/Sulzer
 - c. Vogelsang
 - d. Netzsch
 - e. Or approved equal

2.2 MATERIALS

- A. Sludge Grinders
1. Housing: Cast iron, factory finish
 2. Shafts: 4140 alloy steel, minimum tensile strength 180,000 psi.
 3. Cutting elements: AISI D2 (DIN 1.2379) with a hardness of minimum 50 Rockwell "C". Number of cutting disks shall be per manufacturer's recommendation for solids contents listed within these Specifications.

4. Side rails: ASTM A536, ductile iron.

2.3 EQUIPMENT

A. Performance and Configuration Requirements:

1. Grinders:
 - a. Capacity: 450 GPM at 2% to 4% solids, ambient temperature.
 - b. Pressure drop at specified capacity: less than 2.0 PSI.
 - c. Inlet/outlet size: 8 inches.
 - d. Motor size: 2.0 - 7.5 HP.
 - e. Power, volts/phase: 480/3
 - f. Operating pressure: 0 - 3 PSIG.
 - g. Drive shaft speed: 80 RPM.
 - h. Equipment Tag ID: GND-1003
 - i. Equipment supplier to verify field dimensions to ensure the submitted model can be installed with minimum 4 inches of clearance in relation to adjacent pipe. Photos included separately for information only.

2.4 ACCESSORIES

A. Controls:

1. Utilize solid state electronics.
2. Furnish "run-off-auto" selector switch with lockout provision.
3. Provide reversing starters with thermal magnetic overloads.
4. Furnish dry contacts for remote indication of grinder running in forward and reverse direction and alarm condition.
5. Use current switch to indicate jam and initiate reversing of grinder.
6. If overload (jam) occurs momentarily reverses to clear obstruction and returns to forward direction.
7. If second overload occurs, repeat action as for first overload.
8. If third overload occurs within 30 seconds, unit reverses, shuts down, and alarm bell and light come on.
9. Provide power on, forward, reverse and alarm indicating lights.
10. Provide fuse protection on all logic circuits.
11. Provide line transient protected to 1000 V.
12. Mount in wall-mounted enclosure rated for area classification. Enclosure shall be NEMA 3.
13. Provide equipment or control panels with Short Circuit Current Rating (SCCR) labeling as required by NFPA 70 and other applicable codes.

2.5 FABRICATION

A. General:

1. Use double shaft design.
2. Fabricate to start under loaded conditions.
3. Furnish with 125 pound flanges. Flanges shall be capable of receiving plain end ductile iron.
4. Design for vertical or horizontal in-line mounting.
5. Design capability to operate continuously wet or dry.

B. Cutting Assembly:

1. Rotate driven shaft at approximately two-thirds the speed of the drive shaft.
2. Counter rotate shafts.

3. Equip with spacers and intermeshing five-tooth cutters.
 4. Design cutters with two cutting edges on each tooth, reversible to lengthen life.
 5. Entire grinder capable of reversing to utilize opposite sides of cutter teeth.
 6. Furnish clean out and cover in casing.
 7. Support shafts on each end by heavy duty sealed bearings.
- C. Speed Reducer:
1. Planetary gear type.
 2. Service factor (minimum): 1.9.
 3. Load class: Heavy shock.
 4. Grease filled.
 5. Direct coupled to grinder drive shaft.
- D. Seal Configuration:
1. Mechanical-type seal:
 - a. Reverse pressure principle.
 - b. Oversized bearings.
 - c. Tungsten-carbide.
 - d. Labyrinth shield.
- E. Side Rails:
1. Provide concave inside profile of side rail to follow radial arc of cutters.
 2. Provide clearance not to exceed 5/16 inches between major diameter of the cutter and concave arc of the side rail.
- F. Couplings:
1. Provide two- and three-piece couplings.

2.6 MAINTENANCE MATERIALS

- A. Extra Materials:
1. Furnish Owner the following total extra parts for a double shaft unit:
 - a. Cutting blades: Two sets.
 - b. Seals: Two sets.
 - c. Bearings: Two sets.
 2. Furnish Owner with an 8 inch flanged ductile iron spool piece, with fusion bonded epoxy lining. Lining shall be Protecto 401 or approved equal. Spool piece shall be same length as the submitted sludge grinder model, to be used when the grinder is removed from service. Flanges to be capable of receiving plain end ductile iron pipe and mechanical restraints.
 3. Furnish Owner two (2) flange coupling adapters for inline installation of grinder on 8 inch ductile iron pipe.

PART 3 - EXECUTION

3.1 INSTALLATION (NOT APPLICABLE FOR EQUIPMENT PROCUREMENT)

- A. Vertically and horizontally align, level, and plumb units to match piping interfaces as shown on Drawings.
- B. Exercise care in bolting flanged joints so that there is no restraining on the opposite end of pipe or fitting which would prevent uniform gasket pressure at connection or would cause unnecessary stresses to be transmitted to equipment flanges.
- C. Tighten flange bolts at uniform rate for uniform gasket compression. Provide tightening torque in accordance with manufacturer's recommendations.

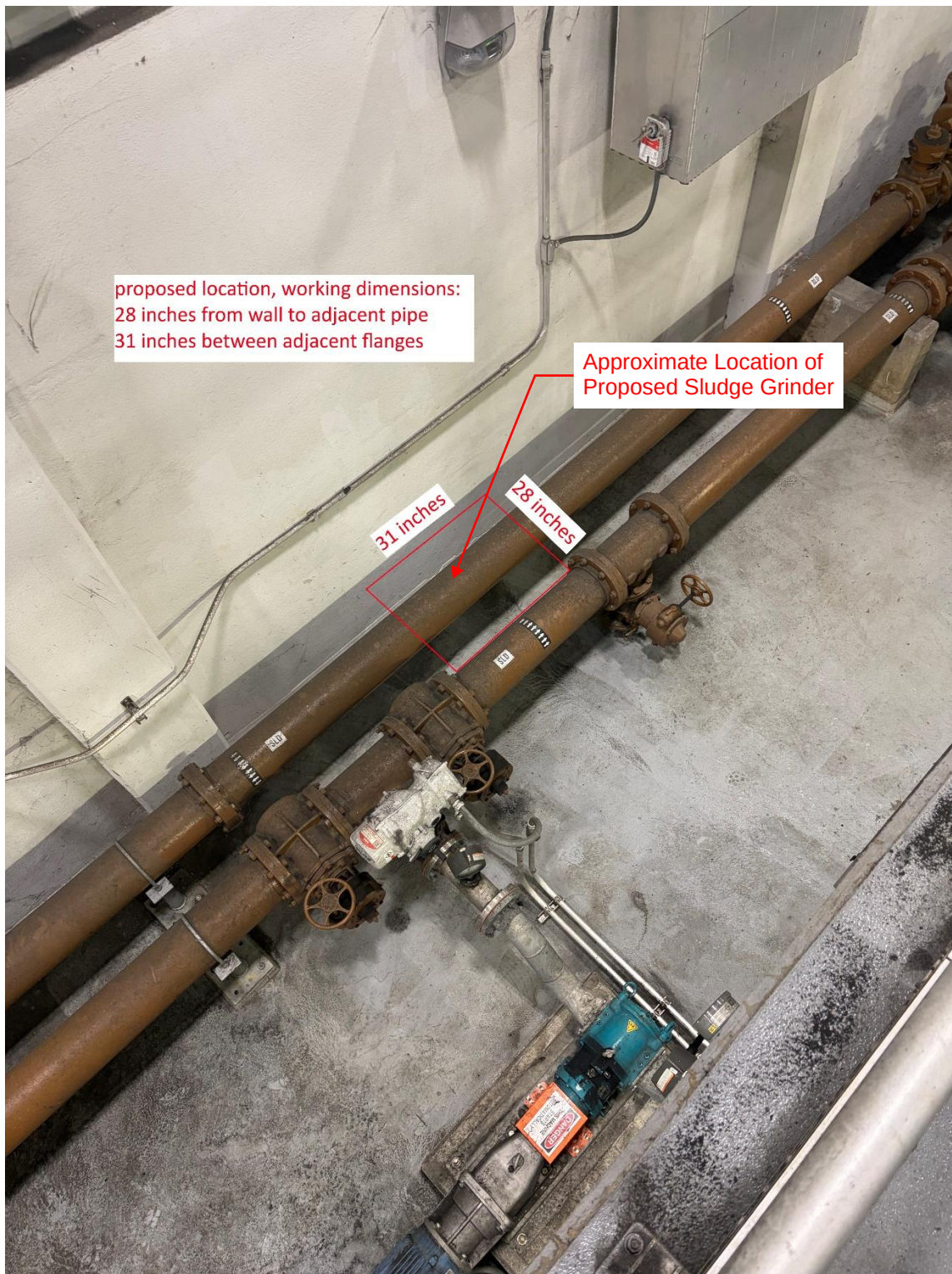
- D. Support and match flange faces to uniform contact over their entire face area prior to installation of any bolt between the piping flange and equipment connecting flange.
- E. Permit piping connecting to equipment to freely move in directions parallel to longitudinal centerline when and while bolts in connection flange are tightened.
- F. Mount controller at locations shown on Drawings.

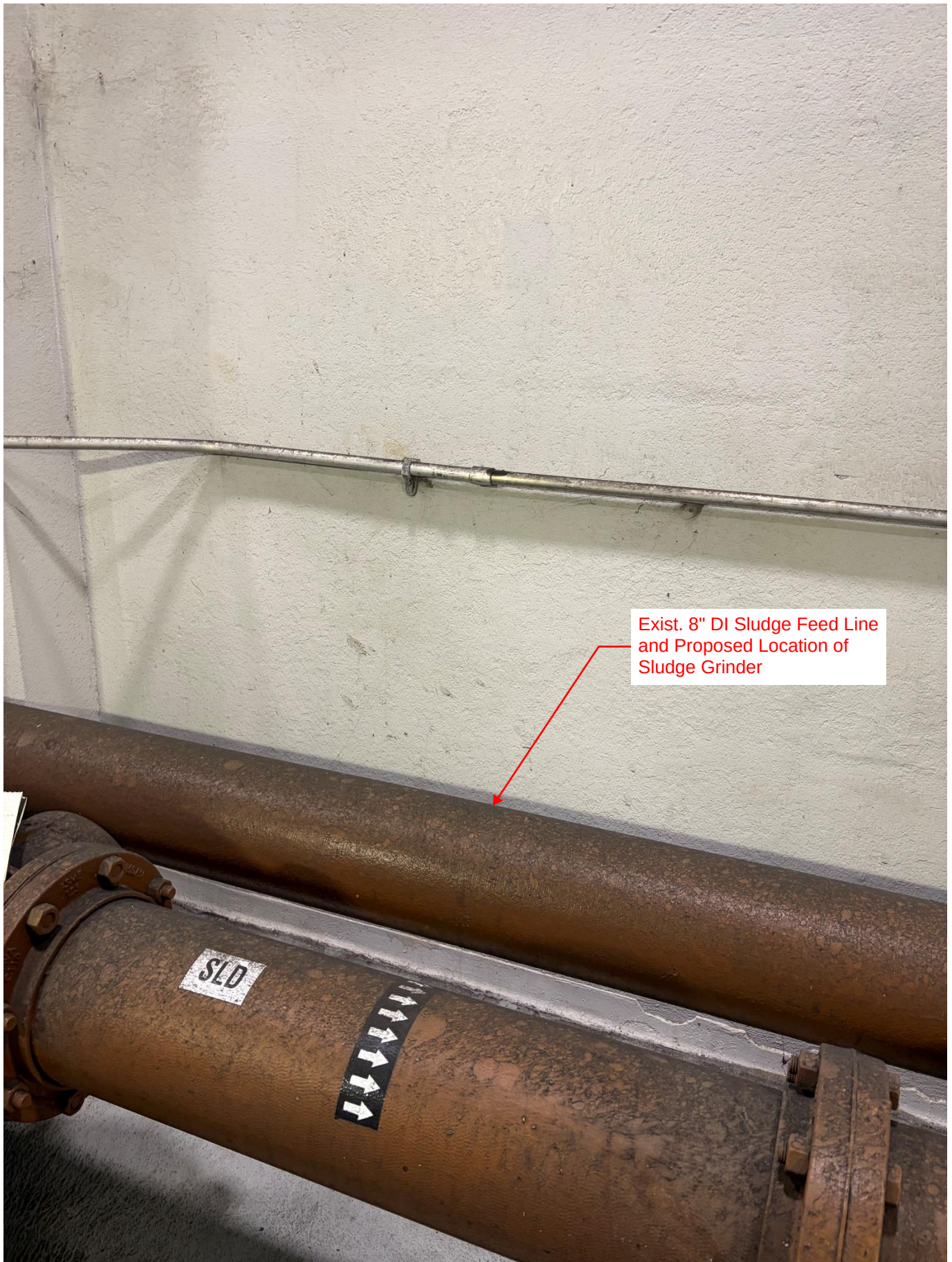
3.2 FIELD QUALITY CONTROL

- A. Employ and pay for services of equipment manufacturer's field service representative(s) to:
 - 1. Inspect equipment covered by these Specifications.
 - 2. Supervise pre-startup adjustments and installation checks.
 - 3. Conduct initial startup of equipment and perform operational checks.
 - 4. Provide on-site training with Owner's operational staff.
 - 5. Provide Owner written statement that manufacturer's equipment has been installed properly, started up, and is ready for operation by Owner's personnel.
 - 6. Provide Owner with Maintenance and Operational manuals and warranty documentation following certification of proper installation and start up.

END OF SECTION

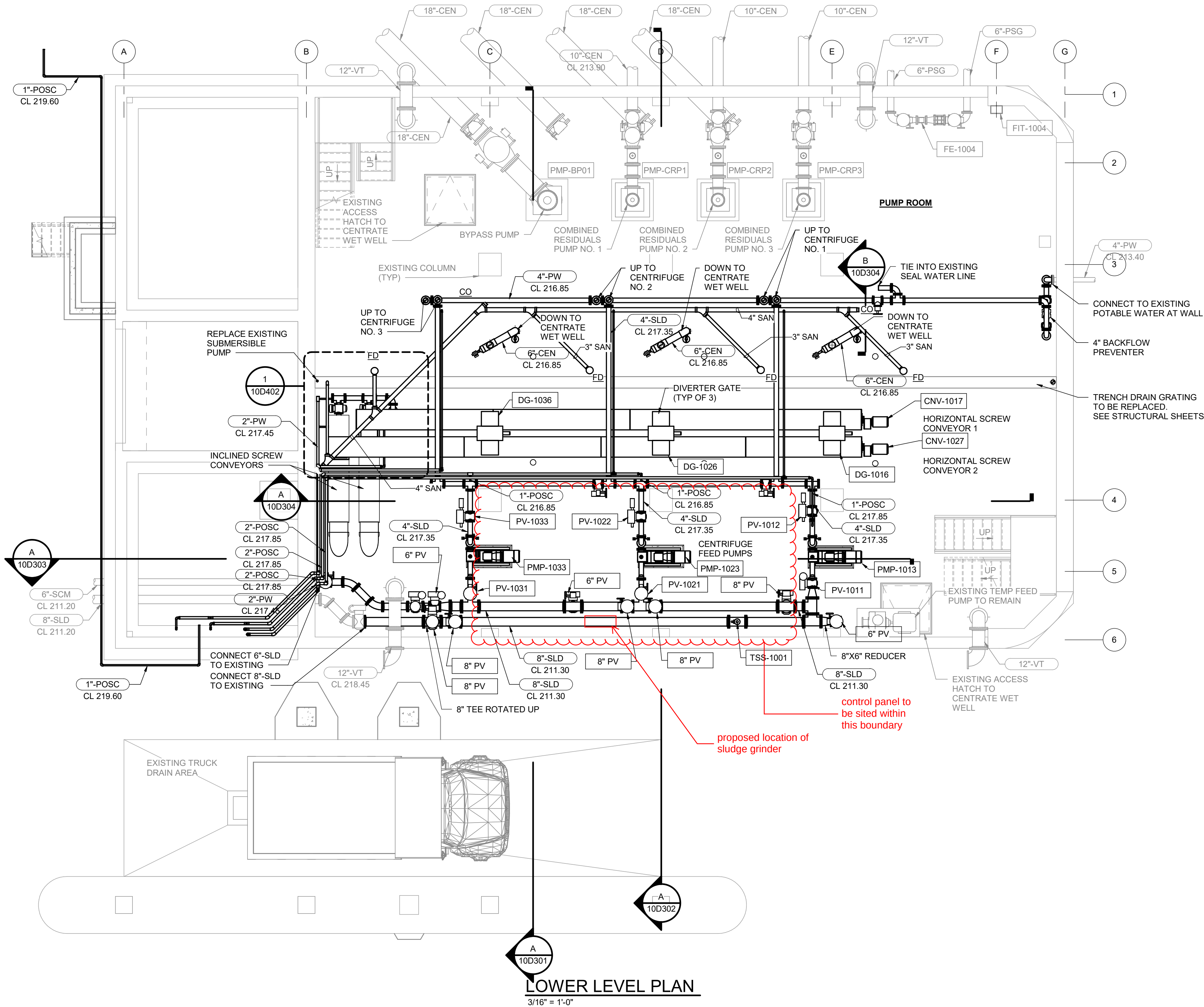
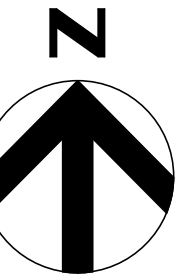
IFB 26-051 MACERATOR EQUIPMENT PURCHASE
PHOTOS and RECORD DRAWING









**GENERAL NOTES:**

1. CONTRACTOR SHALL SALVAGE TO OWNER SELECT COMPONENTS AND EQUIPMENT WITHIN THE BUILDING. COORDINATE SALVAGED ITEMS PRIOR TO BEGINNING DEMOLITION. FOLLOW SECTION 01 73 29 FOR SALVAGED ITEMS.

WALL AND FLOOR COATING NOTES:

1. SURFACE PREPARE ALL INTERIOR WALLS AND FLOORS FOR NEW PAINT. SEE SPECIFICATION 09 96 00.
2. ALL INTERIOR CMU WALLS SHALL BE RECOATED.
3. ALL INTERIOR POURED CONCRETE WALLS SHALL BE PREPARED AND COATED.
4. ALL HORIZONTAL SURFACES SHALL BE PREPARED AND COATED INCLUDING CEILING AND CEILING JOISTS, ENTIRE RESTROOM, ENTIRE OFFICE, AND ALL BUILDING APPURTENANCES INCLUDING RAILINGS, TRIMS, FRAMING, CONDUITS, PIPE, DOORS, ROLLUP DOOR, EQUIPMENT, VALVING, JUNCTION BOXES, HATCHES.
5. EXTERIOR TRUCK LOADING CANOPY SHALL BE COATED.
6. ITEMS NOT TO BE PAINTED: BRIDGE CRANE AND BRIDGE CRANE RUNWAYS AND STAINLESS STEEL ITEMS.
7. CONTRACTOR TO COAT ALL FLOORS WITHIN DEWATERING BUILDING, INCLUDING THE AREA BELOW THE CONCRETE PLATFORM.
8. THE SURFACE UNDERNEATH THE CONCRETE PLATFORM DOES NOT NEED TO BE RECOATED.
9. ABRASIVE BLASTING IS NOT REQUIRED. THE SURFACES SHALL BE PREPPED AS REQUIRED AND OVERCOAT APPLIED.
10. STEEL RAILINGS AND PLATFORMS SHALL BE GALVANIZED, ONLY.
11. REQUIRED MASONRY OR DOOR REMOVAL NECESSARY FOR EQUIPMENT INSTALLATION SHALL BE REPLACED IN KIND AND SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL.

LOWER LEVEL PLAN

3/16" = 1'-0"



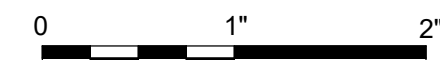
HDR Engineering, Inc.
63 S. Royal Street, Suite 1202
Mobile, AL 36602-3239
Certificate of Authorization: CA-528-E

ISSUE	DATE	DESCRIPTION
2	05/2024	RECORD DRAWING
1	02/25/22	FIELD ORDER #1
0	12/2021	ISSUED FOR CONSTRUCTION

PROJECT MANAGER HEATH E. HARDY, PE

DESIGNED BY	A. PARMENTER
CHECKED BY	C. CROTWELL
DRAWN BY	R. EMONS
MAWSS PROJECT NO.	10170707
HDR PROJECT NO.	10250593

THIS DOCUMENT WAS
ORIGINALLY SIGNED AND
SEALED BY
HEATH HARDY,
PE NO. 39154.
THIS MEDIA SHOULD NOT
BE CONSIDERED A
CERTIFIED DOCUMENT.

**DEWATERING BUILDING
LOWER LEVEL PLAN**

FILENAME | 10250593-10-D.rvt
SCALE | 3/16" = 1'-0"

SHEET
10D101

END OF PHOTOS and RECORD DRAWINGS

**IFB 26-051 MACERATOR EQUIPMENT PURCHASE
BID SHEET**

Purchase of One (1) Macerator, control panel, and associated appurtenances	
Macerator and Control Panel – Total Cost	
Piping appurtenances – Total Cost	
Shipping and freight	
Total Cost*	
Leadtime for Fabrication & Delivery (from approved Submittals)	

*Must include all charges including start-up, training, delivery fees, etc.
No other costs shall be added.

Mfr/Model _____

Warranty* _____

*Minimum 2-year warranty on equipment & parts from start-up

Delivery (ARO): _____
(After receipt of order)

Company Name _____ Payment Terms _____

Address _____

City, State, Zip _____

Submitted By _____ Title _____
Please Print

Phone _____ Email Address _____
Please Print

The signer declares under penalty of perjury that she/he is authorized to sign this document and bind the company or organization to all terms and conditions of this agreement.

Signature _____ Date _____