

INVITATION FOR BID
February 21, 2025

INVITATION FOR BID NUMBER	IFB 25-010
NAME OF BID	Purchase of Three (3) Flocculator Gear Drive Units for Stickney WTP
BIDS WILL BE RECEIVED AT	MAWSS Bid Box Donaghey Business Entrance 4725 Moffett Road or PO Box 180249 Mobile, AL 36618
BID OPENING DATE	February 27, 2025
BID CLOSING TIME	10:30 am Central Time
AWARD WILL BE MADE BY	Total Cost & Lead Time
MATERIAL DELIVERED TO	Stickney WTP 4800 Moffett Rd. Mobile, AL 36618
ADDITIONAL INFORMATION CONTACT	Zack Butler (251) 378-3482 or (251) 591-7372 Email: zbutler@mawss.com John Kilborn (251) 533-8867 or Email: jkilborn@mawss.com
APPLICABLE SDP POLICY	None

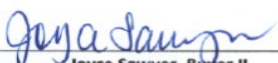
Sealed bids must be in the Purchasing Department no later than the time specified in order to be considered. Submissions received after the deadline will not be considered. Envelopes must bear the name of the supplier, company address and the words “**IFB 25-010 Flocculator Gear Drive Units**” or “**IFB 25-010 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 25-010 FLOCCULATOR GEAR DRIVE UNITS CONDITIONS

The Board of Water and Sewer Commissioners of the City of Mobile will accept bids for the **Flocculator Gear Drive Units** in our Purchasing Department Bid Box located in the Business Entrance at 4725 Moffett Road, Mobile, AL. 36618 **no later than 10:30 a.m.** local time on **February 27, 2025**. Bids will be opened immediately after bid closing time in the Operations Center Board room located at the Customer Service 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 **Stickney WTP located at 4800 Moffett Rd., Mobile, AL 36618** 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.

Bidder understands and agrees that quantities will be purchased by MAWSS on an "as needed" basis to replenish inventory. MAWSS shall not be committed to the purchase of a pre-established minimum quantity for any one item.

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 of the other bid documents. Bid documents and any amendments made to this bid will be posted on our website at www.mawss.com.

Invoicing Requirements: MAWSS is requiring additional information for all work performed and services provided. On the vendor's invoice for payment should be a detailed listing of work performed, services provided, dates completed, locations involved and any other pertinent information needed to verify the work and/or services were completed in accordance to the bid specs. This additional information can be supplied in the form of detailed invoices, work orders, checklists or any other documents used to track the work performed or services provided but details must be included on the actual invoice. A copy of the invoice and these additional details must be sent to the "ADDITIONAL INFORMATION CONTACT" found on Page 1 of the bid documents and a copy emailed to Accounts Payable at AcctsPayable@mawss.com.

END OF CONDITIONS

IFB 25-010 FLOCCULATOR GEAR DRIVE UNITS SPECIFICATIONS

Overview

The E.M. Stickney Plant is requesting bids for Three (3) new flocculator gear drive units. These units will have side mounted 3HP electric motors that are 460V/3PH. They will also have new shafts that come down into the flocculator basin with a four-blade mixer to slowly stir the water for flocculation to occur.

Bid Specifications

Flocculator gear box that comes with a raised base plate that puts the bottom of the gear box itself at about 18"-20" over the concrete floor it's mounted to.

Flocculator gear box will have a gear reduction ratio to allow for bottom output shaft to turn in an RPM range of 15-25 RPM depending on motor speed.

Flocculator gear box will be a side mount right angle gear box for the electric motor to be directly mounted on the side of the unit.

The electric motor will be a 3HP, 460V/3PH motor.

The output shaft will have a flanged connection that goes through the bottom of the concrete floor the unit will mount too. The mixing shaft will have a flanged connection to connect to the output shaft of the flocculator gear box output shaft. The mixing shaft will be approximately 10 ft long. The mixing end of the shaft will have four rectangular mixing blades. The diameter of the mixer blades from one end of one blade to the other end of the opposing blade will be 10 ft to 13 ft.

Cost must include the training of how to maintain and properly operate the unit after installation and having personnel from vendor here to do this.

We will have our contract general contractor do the removal of old units and installation of new units.

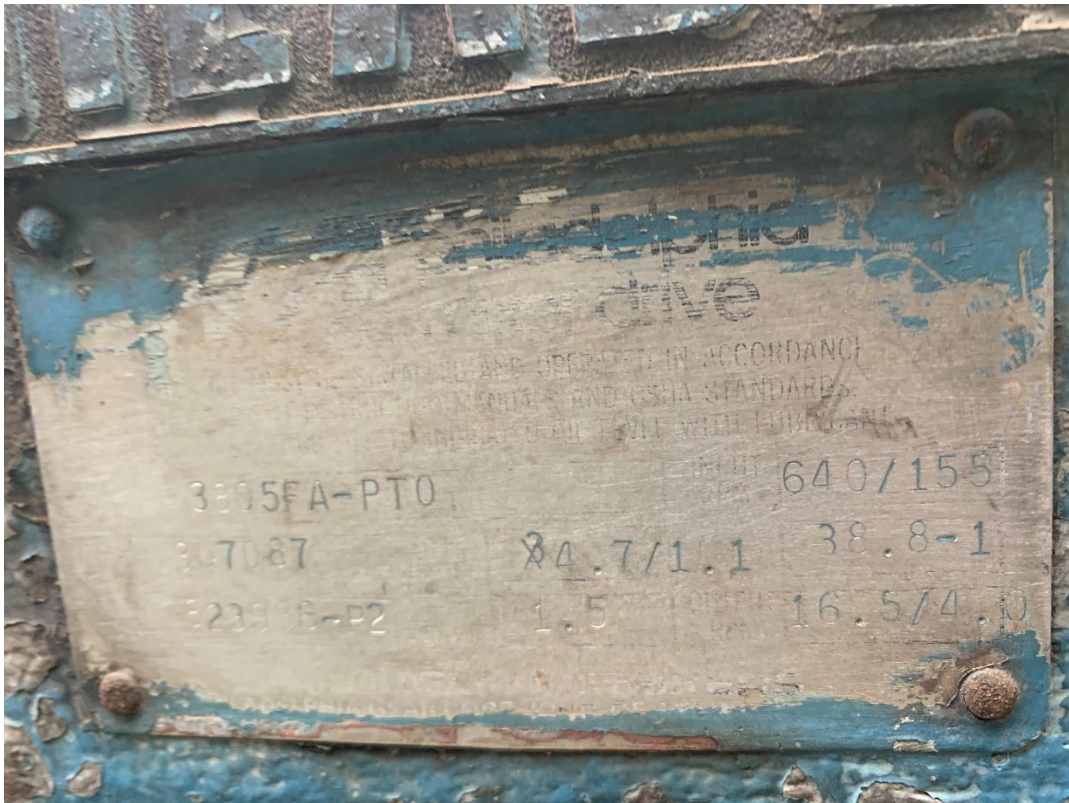
Drawings of current flocculator basins will be attached to this bid request. Along with pictures of current Philadelphia Mixer flocculator units.

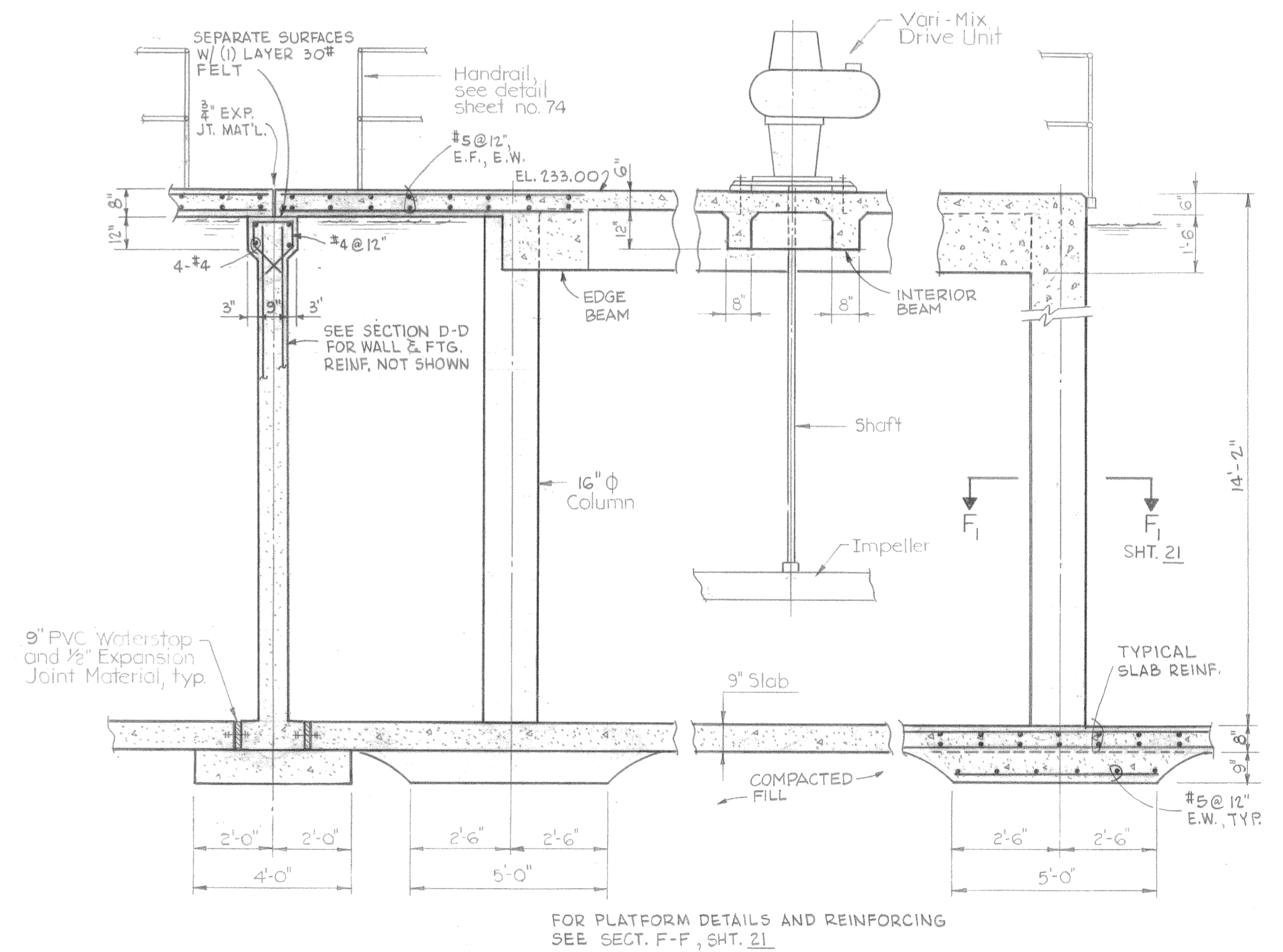
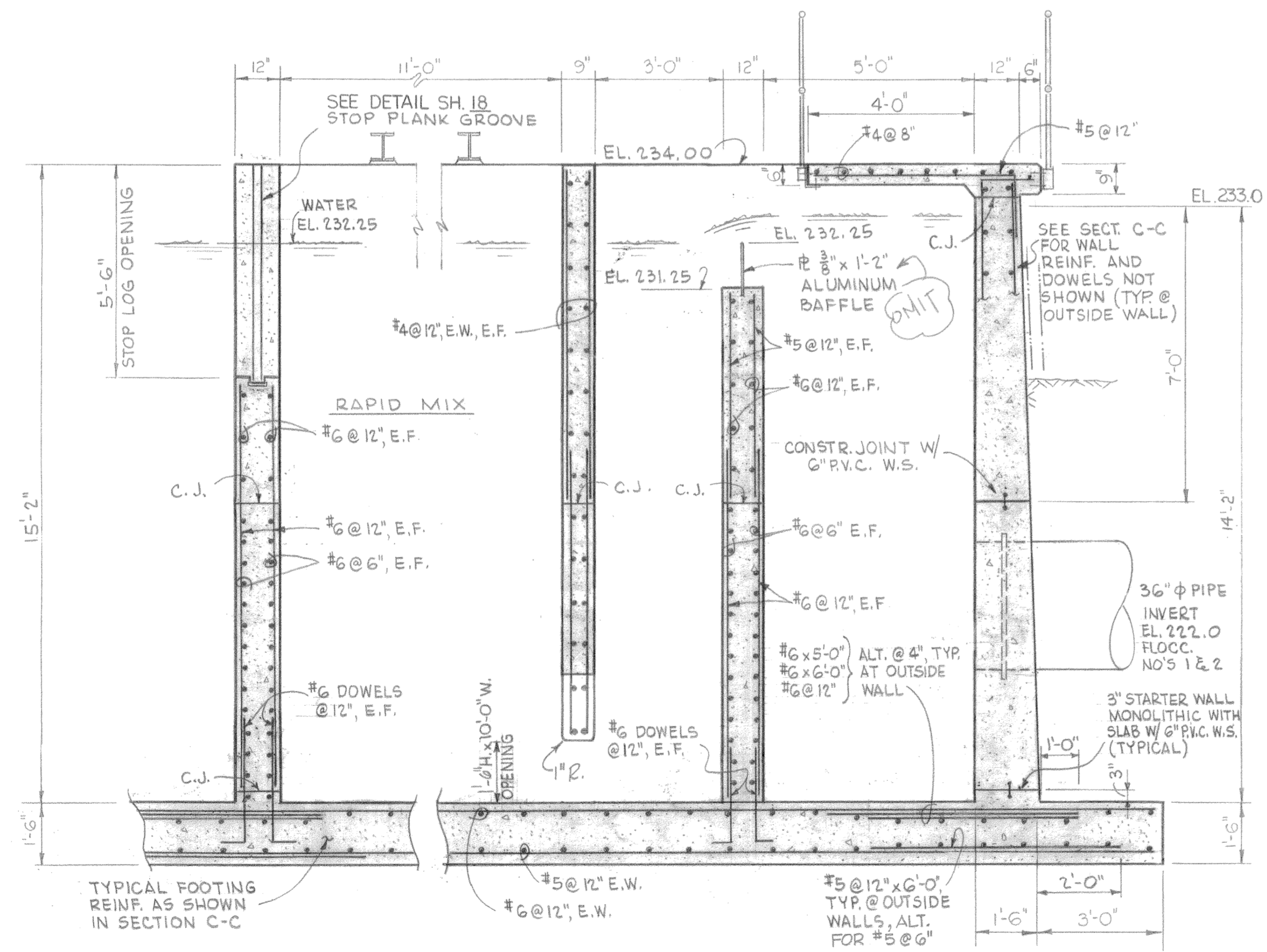
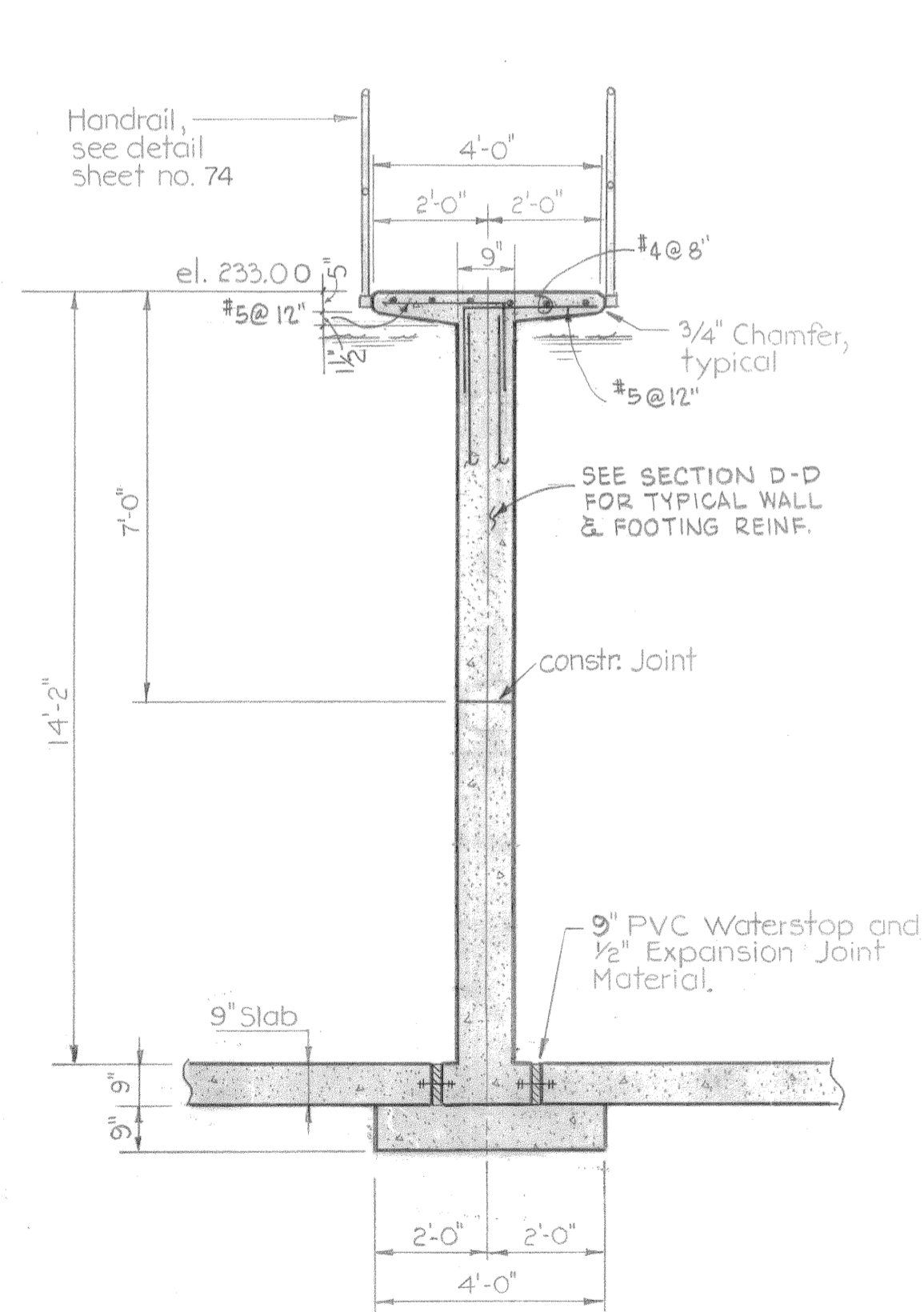
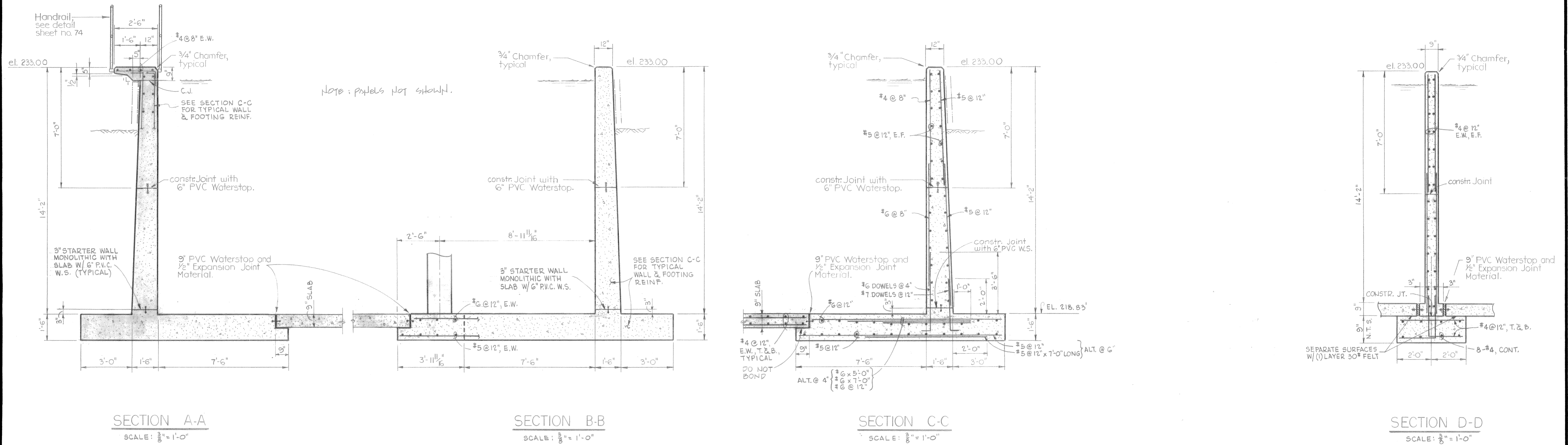
END OF SPECIFICATIONS

**IFB 25-010 FLOCCULATOR GEAR DRIVE UNITS
APPENDIX**

The appendix includes pictures of a Philadelphia Mixer flocculator unit that will be removed, ID plates of the old Philadelphia Mixer flocculator unit, and plans for the east and west flocculator basins for reference.







FINAL RECORD SET OF PLANS AS CONSTRUCTED
NAME: A.B. DATE: 4-1-81

NO.	DESCRIPTION	DATE	ENGR.

DRAFTSMAN: J.E.N.
CHECKED BY: J.G.S.
APPROVED BY: C.H.S.
DATE: NOV 1976
SCALE: 3/8" = 1'-0"

J. B. Converse & Co. Inc.
Consulting Engineers
Mobile, Alabama

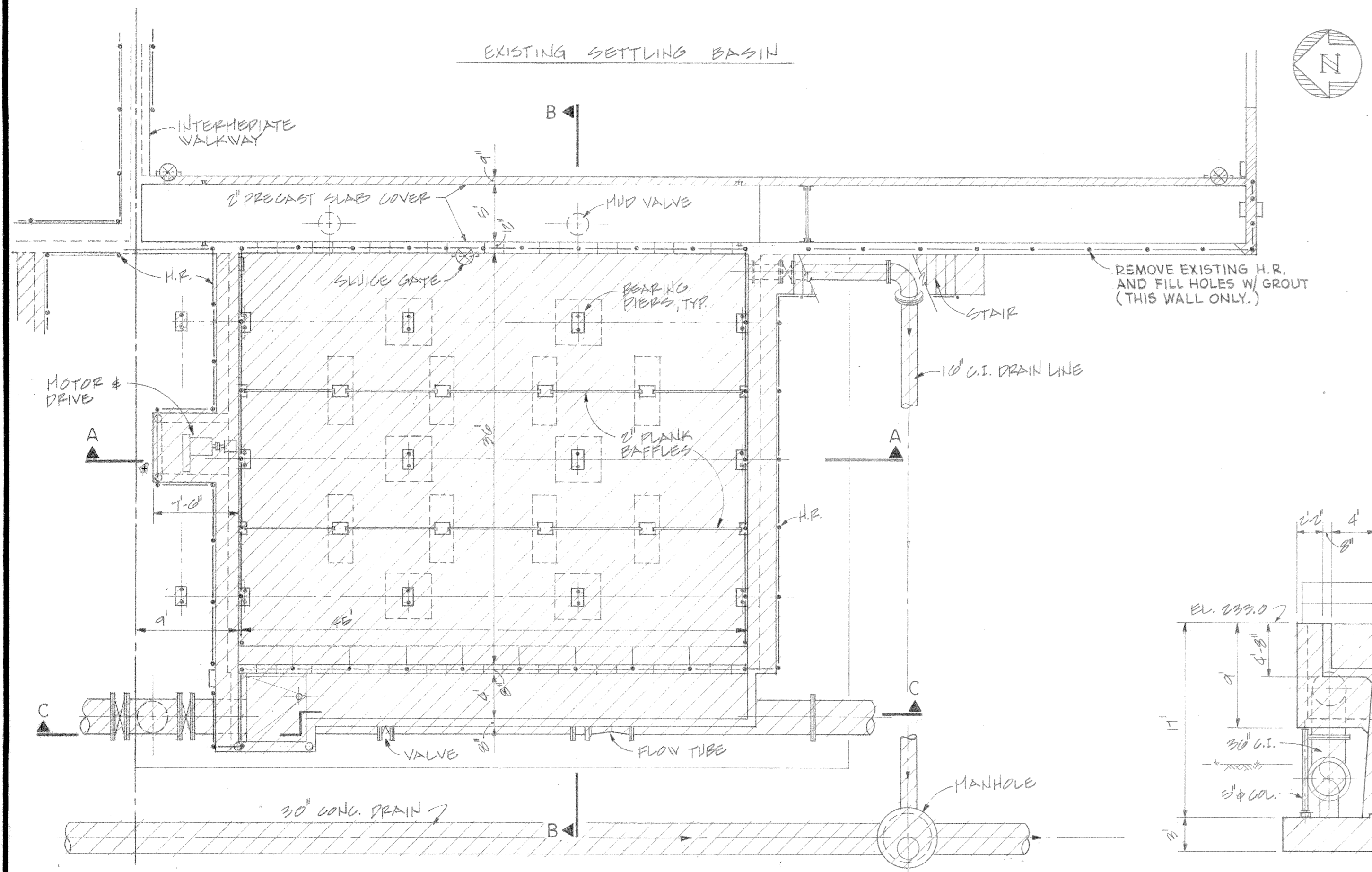
Montgomery
Birmingham

Panama City
Albany

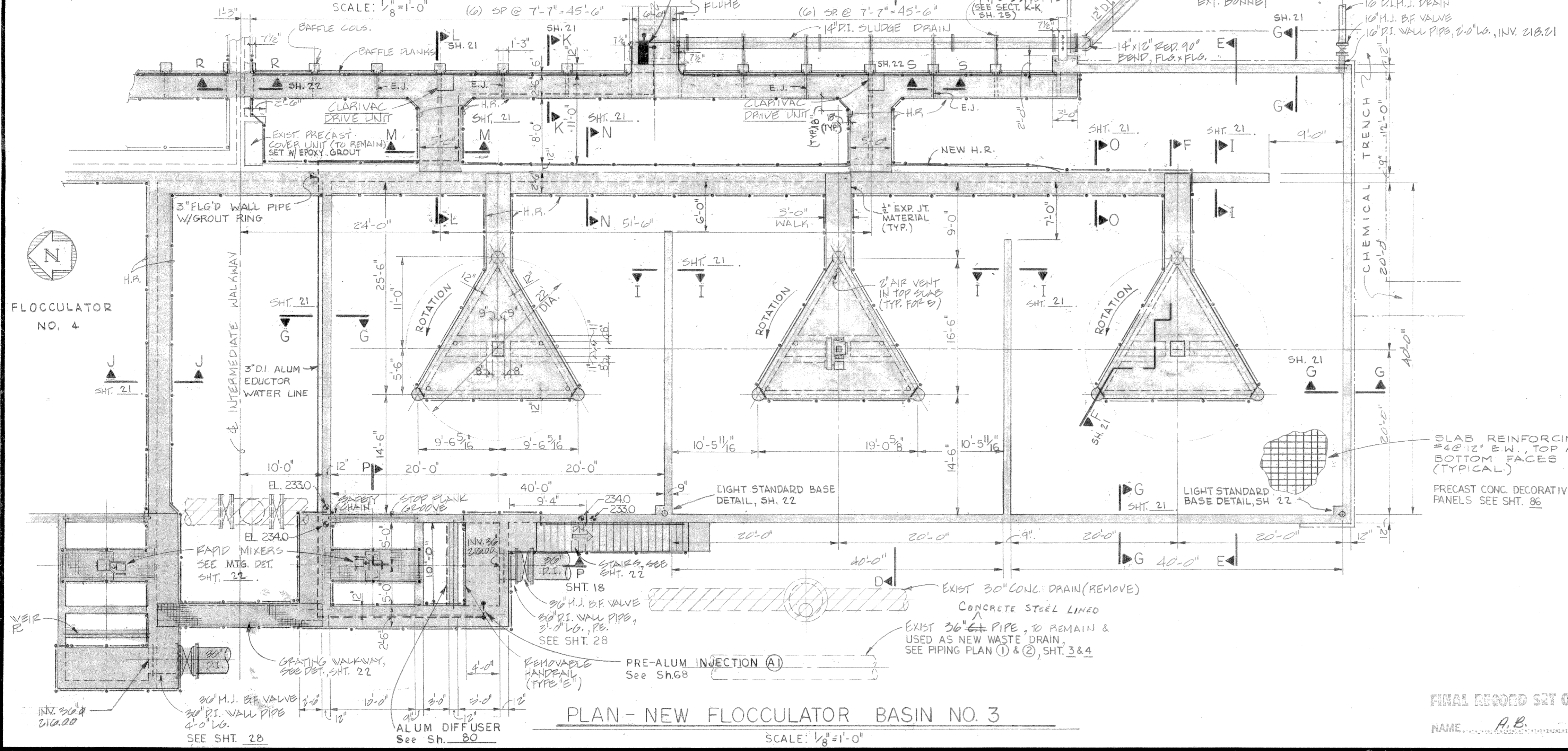
CLIENT: BOARD OF WATER AND SEWER COMMISSIONERS
OF THE CITY OF MOBILE, ALABAMA
WATER TREATMENT PLANT EXPANSION

TITLE: FLOCCULATORS NO. 1 & NO. 2
TYPICAL SECTIONS

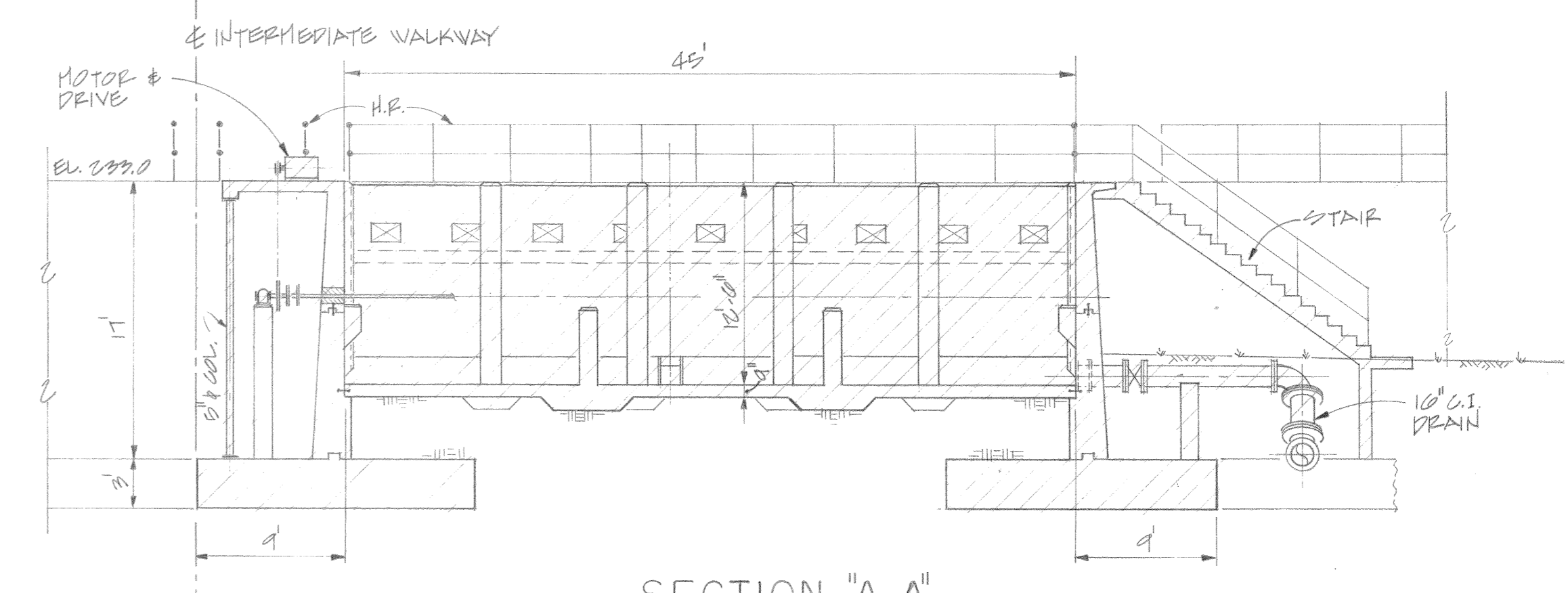
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SHEET: 9 OF 115



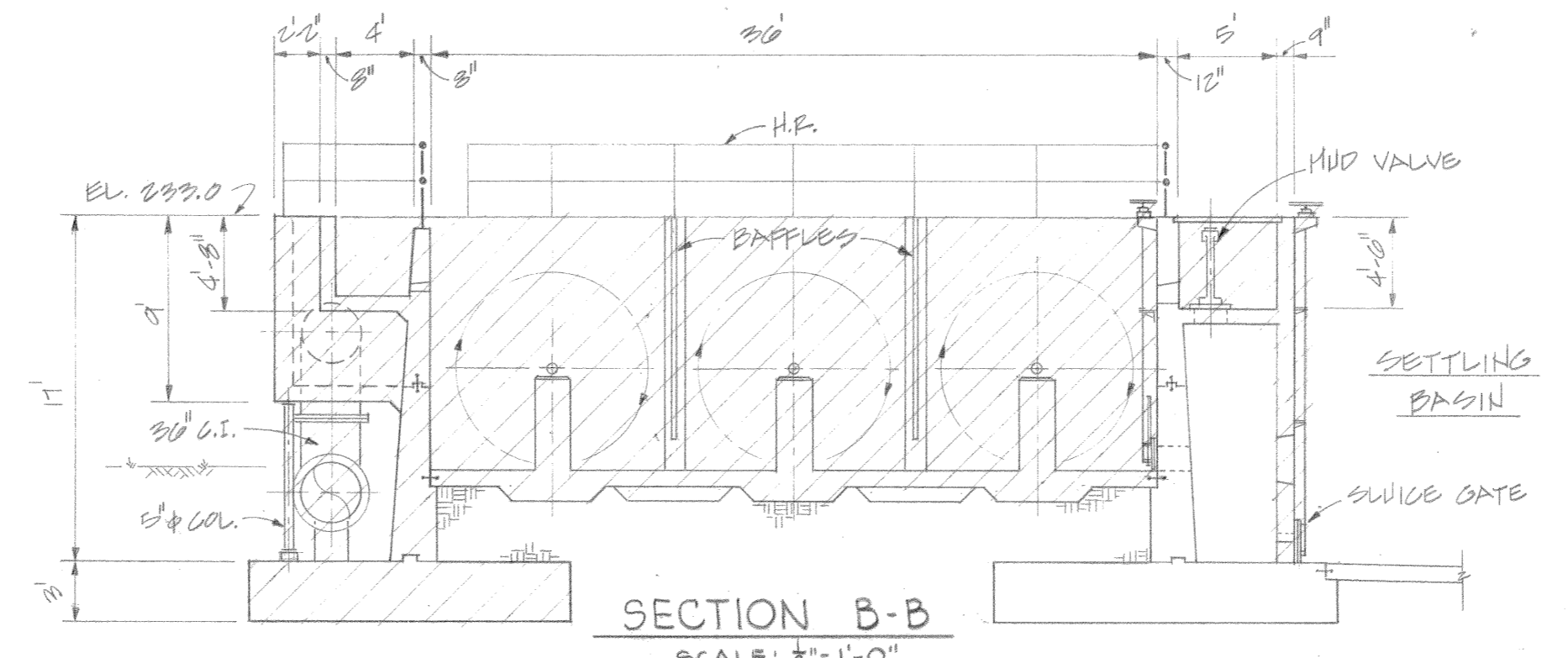
PLAN - EXISTING SOUTH FLOCCULATOR CHAMBER



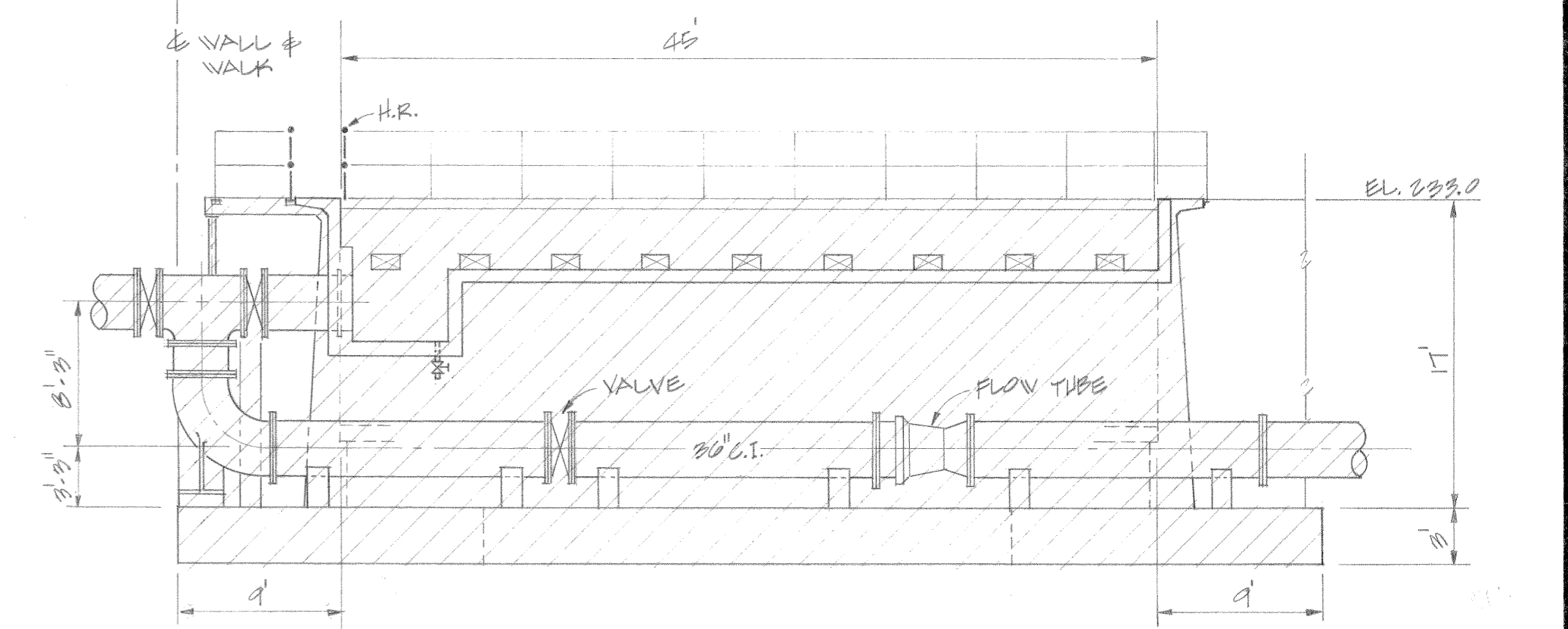
PLAN - NEW FLOCCULATOR BASIN NO. 3



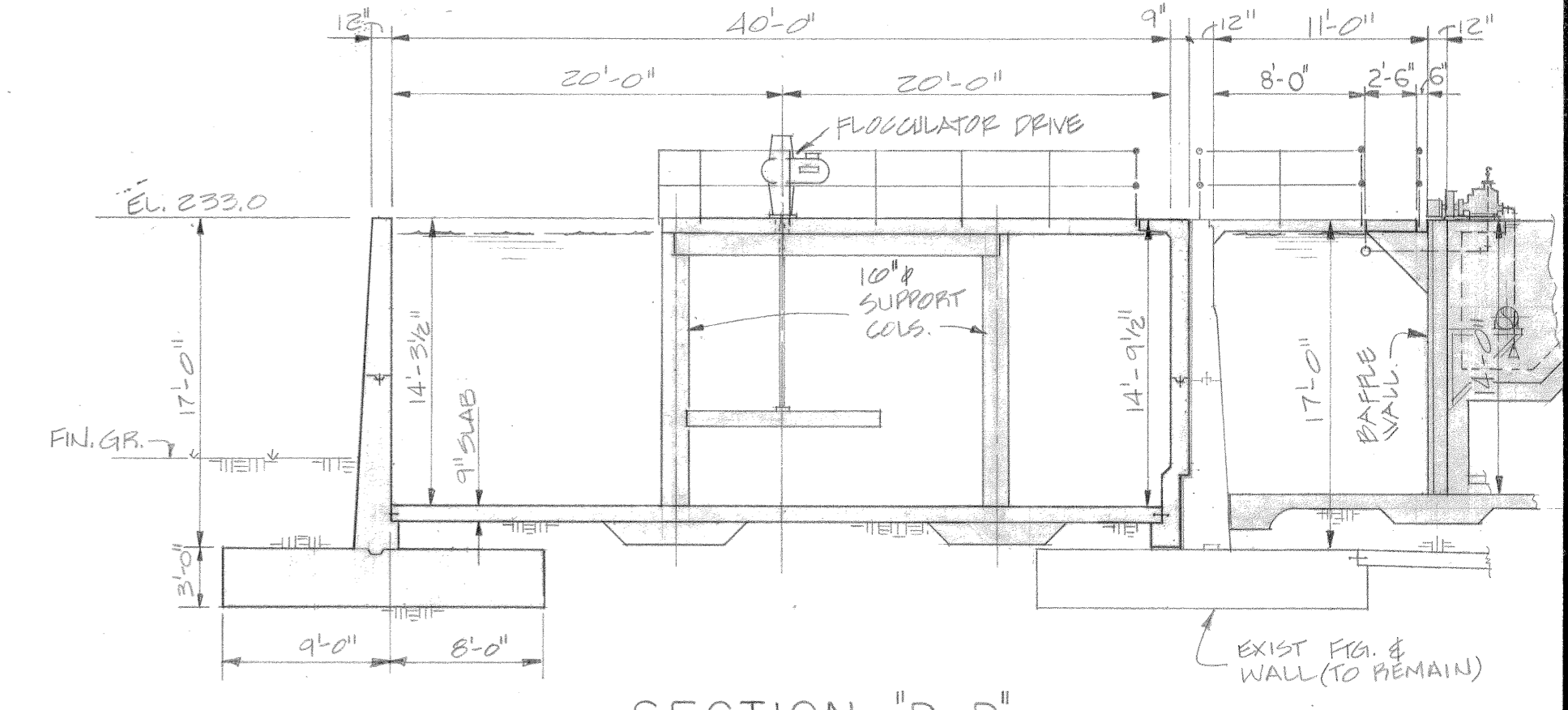
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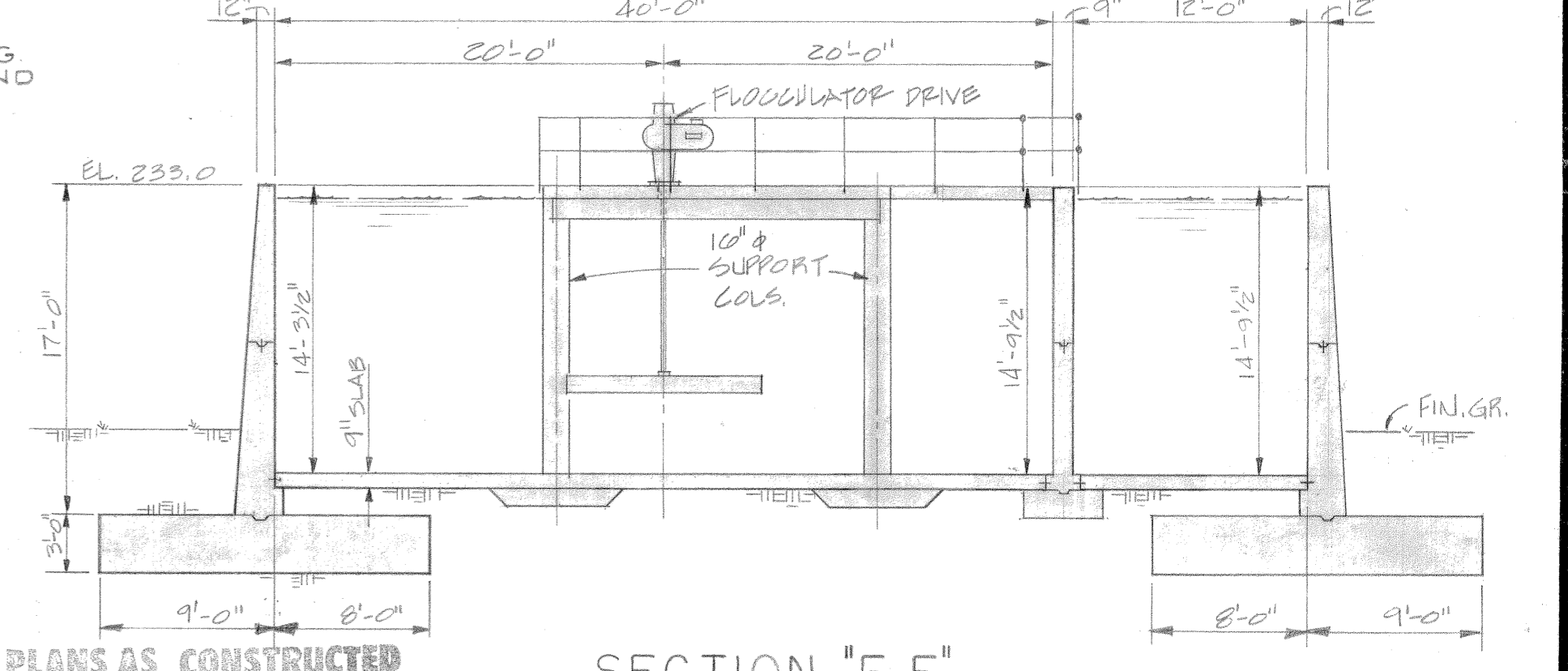
SECTION B-B
SCALE: 3/8"=1'-0"



SECTION "C-C"
SCALE: 1/8"=1'-0"



SECTION "D-D"
SCALE: 1/8"=1'-0"



SECTION "E-E"
SCALE: 1/8"=1'-0"

- LEGEND**
- EXISTING (TO REMAIN)
 - EXISTING (TO BE REMOVED)
 - NEW WORK (THIS CONTRACT)
 - EXISTING HANDRAILS
 - NEW HANDRAILS

FINAL RECORD SET OF PLANS AS CONSTRUCTED
NAME: A.B. DATE: 4-18-81

NO.	DESCRIPTION	DATE	ENGR.

DRAFTSMAN: W.H.P.
CHECKED BY: K.W.L.
APPROVED BY: C.H.S.
DATE: NOV. 1976
SCALE: AS NOTED

J. B. Converse & Co. Inc.
Consulting Engineers
Mobile, Alabama

Panama City
Albany

CLIENT: BOARD OF WATER AND SEWER COMMISSIONERS
OF THE CITY OF MOBILE, ALABAMA
WATER TREATMENT PLANT EXPANSION

TITLE: FLOCCULATOR NO. 3
PLAN & SECTIONS

DRAWING NUMBER: IA2-18.7
SHEET: 17 OF 115