

ROCKLAND COUNTY SEWER DISTRICT NO. 1

4 Route 340
Orangeburg, New York 10962
Phone: (845) 365-6111 Fax: (845) 365-6686
RCSD@co.rockland.ny.us

George Hoehmann
Chairman

Michael R. Saber, P.E.
Executive Director

ADDENDUM NO. 5

**CONTRACT RFB-RC-SWR-CIP 2020-02
MAIN PUMP STATION UPGRADE PROJECT**

**ROCKLAND COUNTY SEWER DISTRICT NO. 1
ROCKLAND COUNTY, NEW YORK**

September 8, 2021

The attention of all proposers is directed to the following changes, additions, and/or substitutions affecting the above-referenced project. This Addendum shall be included in and become part of the RFP for this project. Acknowledge receipt of this addendum in the space provided in this Addendum. This section must be signed and submitted with the bid proposal. Failure to do so, may subject the bidder to disqualification.

Item No. 1 – Questions

Below are the questions that have been submitted with responses from the Owner:

Question 1:

Specification section 11306 part 1.04A states "pump shall be able to fit through the existing hatch....." Part 3.02 C references the existing roof hatches, but states "contractor shall be prepared to have to disassemble parts of the pump to fit through existing hatches". Please clarify conflicting information.

Response:

Contractor is responsible for determining if pump will fit through existing openings. If there are additional components attached to the pump, Contractor shall be prepared to disassemble parts.

Question 2:

In preliminary discussions with the named pump manufacture, it is our understanding they have several concerns regarding the written specification including but not limited to:

1. Performance affidavits for items listed to be furnished as part of a ""pump package"".
2. Furnishing control panels which are manufacture and fabricated/programed by others
3. Full responsibility of design and performance spec sections VFDs & control panels

At this time the pump suppliers are not going to be providing the VFDS and will not be able to meet the specification as it is written for 11291. Contractor request the specs be adjusted to match what each supplier will actually be providing

Response:

Specification 11306 was updated in Addendum No. 3. If there are additional conflicts with the pump manufacturer please submit additional questions.

Question 3:

Haz material report - identifies some locations and needs for abatement - please confirm if additional hazardous materials are uncovered during construction this will be considered a changed site condition.

Response:

A determination of a changed condition cannot be made without details. Please refer to GCC-38 SITE INVESTIGATIONS, GCC-83 CHANGES TO THE CONTRACT, and GCC-84 PRICING OF CHANGES.

Question 4:

Specification Section 11291, Article 2.05A and Slide Gate Schedule, Note #2 state Contractor to field verify existing conditions prior to fabrication. It is assumed the gates will have a substantial lead time for fabrication and prior to shipping to site along with other process equipment. Please verify if flows can be isolated for inspection or if it is the intent to set up the bypass pump system to accomplish or if there are existing as-built drawings/manufacturer submittal drawings of the existing gates.

Response:

Contractor shall determine appropriate methods for isolating flows to confirm gate dimensions and operational status. Operational status of Gates A7, A5, and wet well sluice gate is not known.

Question 5:

Please clarify what coordination has been done with Orange & Rockland utility. Spec section 16480 1.04 B - 3.4.5. says that the VFD design needs to be coordinate with Orange & Rockland, it then states that a Harmonic Filter might be require. What should the contractor base its bid on, providing harmonic filters or not providing harmonic filters. There is substantial cost that goes with adding Harmonic Filters.

Response:

Coordination with Orange & Rockland is not required at the Main Pump Station. The Contractor shall provide the specified 18-pulse drives and provide the specified IEEE 519 harmonic analysis at the point of service to the building. The plant's existing arc flash study has been provided in the Contract Documents as the information source (i.e., electrical ratings and short circuit ampacities).

Question 6:

Contract drawing M-007 indicates scale of 3/8"= 1'. It appears this should be 3/16" = 1' - please confirm.

Response:

Please refer to Addendum 2, Item No. 15.

Question 7:

The existing double door opening on D-003 measures 5'8"". The door schedule on A-001 shows a door width of 6'. Is the existing door width actually large enough for the new door, or will the existing opening have to be widened?

Response:

Contractor shall provide a door to fit the existing masonry opening.

Question 8:

DH3, DJ3, and DS3 are all reference on the door schedule, but they don't appear on any drawings. Is this a mistake or are there are details to be provided?

Response:

Sheet A-001 – Add detail DOOR DETAILS FIG-1 and FIG-2 as shown on Attachment 1.

Question 9:

Drawing A-003 indicated that side and surface mounted railing exists and that the new railing should match where possible. Please clarify where the existing railing is side and surface mounted.

Response:

Contractor shall field verify mounting location of existing railing.

Question 10:

M-003 has a callout for concrete pipe supports at the 48" header, but the drawings shows support saddles. Please clarify if concrete supports are to be used in addition to the saddles.

Response:

Yes; both are required as part of the project.

Question 11:

The intermediate level does not have any floor coating called out in the paint schedule. Please confirm this means the elevated walkway does not require a new finish.

Response:

New floor finishes are not scheduled for the intermediate level.

Question 12:

What type of cracks is the 150LF of the unit quantity based on? Wet or Dry? Vertical or Horizontal?

Response:

The 150LF of cracks and can be wet, dry, vertical, or horizontal.

Question 13:

Instructions to Bidders 3. requires the Bid Bond to be signed by a Resident Agent. Please consider allowing signature by a Non-Resident Agent.

Response:

Contract requirement will not be changed.

Question 14:

Instructions to Bidders 3. gives the Owner the right to recover the greater of the entire amount of the Bid Security or ten percent of the Bid, or to exercise any and all equitable remedies it may have against the defaulting Bidder in the event of the bidder's failure to timely submit all additional information requested by Owner, or if the successful Bidder fails to timely and properly submit all required Bonds, certificates and policies of insurance, or if the successful Bidder fails to timely and properly execute the Contract, the Contractor's Certification and all other required documentation related to the Contract. It is the intention of the Bid Security to provide the Owner a means of recovery in the event of a failure on the part of the Bidder. The Owner's recovery should be limited to the amount of the Bid Security. Further it is not equitable to allow the Owner to exercise any and all equitable remedies it may have against the defaulting Bidder as again, the Bid Security should be the agreed upon remedy. Please amend to:

"If the successful Bidder fails to timely submit all additional information requested by Owner, or if the successful Bidder fails to timely and properly submit all required Bonds, certificates and policies of insurance, or if the successful Bidder fails to timely and properly execute the Contract, the Contractor's Certification and all other required documentation related to the Contract, it will be difficult and impracticable to ascertain and determine the amount of

damage that Owner will sustain by reason of any such failure. For such reason, every Bidder shall, by submitting its Bid, be deemed to agree that Owner shall have the right, at its option in the event of any such default, to retain or recover ~~as reasonably estimated liquidated damages, and not as a penalty,~~ the entire amount of the Bid Security ~~or ten percent of the Bid, whichever is greater,~~ or to exercise any and all equitable remedies it may have against the defaulting Bidder ."

Response:

Contract requirement will not be changed.

Question 15:

General Contract Conditions 52. requires the Contractor to maintain the sole risk of the work from commencement until final payment. Builder's risk coverage ends upon Substantial Completion or when the Work is put to its intended use, whichever occurs earlier. It is not equitable to give the Contractor the risk for loss it cannot insure. Contractor's risk of loss should end upon Substantial Completion or at the point the Work is put to its intended use by the Owner, whichever is earlier. Please amend:

"The Work and everything pertaining thereto shall be provided, performed, completed, and maintained at the sole risk and cost of Contractor from the commencement of the Work until final payment **Substantial Completion or at the point the Work is put to its intended use by the Owner, whichever is earlier.**"

Response:

Contract requirement will not be changed.

Question 16:

General Contract Conditions 105. requires the Contractor to furnish a certified copy of the original policy as soon as practicable prior to payment. Contractor is a large, sophisticated entity whose corporate policies insure all operations in the United States. Providing complete copies of a corporate policy is an onerous and unnecessary requirement. Per market precedence, certificates of insurance with applicable endorsements should suffice. Please amend:

"The Contractor shall furnish to the Owner, ~~a certified copy of the original policy~~ **certificate of insurance**, with an endorsement naming the Owner and the County of Rockland as Additional Insured, as soon as is practicable and as a condition prior to payment."

Response:

Contract requirement will not be changed.

Question 17:

General Contract Conditions 105. requires any and all subcontractors to carry the same insurance as required in the specifications, including a \$5,000,000 excess umbrella. These coverages and limits may not be commercially available or would be cost prohibitive to most subcontractors, particularly the SBE and DBE subcontractors. Please amend to:

~~"The Contractor's insurance policy shall cover all the work performed by his subcontractor(s). The Contractor shall obtain Certificates of Insurance from each subcontractor employed in the performance of work under this Contract, showing the said subcontractor(s) have complied with all of the Insurance Requirements of this contract~~ **carries the insurance required per Contractor's usual business practices** and furnish copies of said certificates to the Owner. ~~The same specifications that shall apply to the Contractor shall also apply to any and all subcontractors, said insurance policies to be furnished by such subcontractor(s)."~~

Response:

Contract requirement will not be changed.

Question 18:

GCC-16 calls for as-builts to be off of survey done by a registered NY State Surveyor. Please confirm that this survey work is part of the allowance item for As Built. Bid item 6 from Addendum #2 update.

Response:

Bid Item No. 6 is a stipulated lump sum, not an allowance. All surveys shall be included in Bid Item 6 in accordance with BID ITEM DESCRIPTION BI-6 "Under this Item, the Contractor shall furnish record documents for all work performed in this contract as stated in the specifications."

Question 19:

Please provide a 2-week extension to the bid date.

Response:

Refer to Addendum 3, Item 8.

Question 20:

Due to the current state of procurement durations in the United States, the coordination efforts needed for procurement on this contract, and the unknown of what time of year this contract will be awarded. Contractor is requesting that the contract duration be increased from 577 CCD to 704 CCD.

Response:

Refer to Addendum 3, Item 7.

Question 21:

Drawing H-001 HVAC Note #9 lists the ductwork to be Stainless Steel Sheet Metal, UNO and the spec 15810, page 3, 2.02.B lists the material as Aluminum Sheets.

Response:

Ductwork shall be aluminum per Specification 15810, Article 2.02B.

Question 22:

Please confirm the use of XHHW per specs or can we use THHN?

Response:

Building wire shall be type XHHW-2 as per Specification 16123, Article 2.01.

Question 23:

Specifications call for concrete encased conduit for anything more than 5' outside building ran underground? Please confirm if PVC SCH40 is acceptable or if we need SCH80?

Response:

Schedule 40 nonmetallic conduit is acceptable per Specification 16160, Article 2.04.

Question 24:

Can we use EMT or is GRC required inside the pump station for all feeders and branch circuits, please confirm?

Response:

EMT conduit is not specified, not permitted. Conduit types shall be as specified in Section 16130.

Question 25:

For wet areas do we need to use PVC coated rigid or can GRC? Same with the outlets, junction and pull boxes?

Response:

Raceway for wet locations and all other area types shall be as specified in Specification 16130, Article 1.03.

Question 26:

Please confirm No new extended warranty is required for roof.

Response:

Refer to Specification 07530, Article 1.07, Section A.

Question 27:

Please provide roof contractor who last install roof at Main pump station.

Response:

Installation contractor is unknown.

Question 28:

Please provide quantity of epoxy crack repair required inside wet well.

Response:

Refer to Addendum No. 2, Item 6.

Question 29:

Please confirm if the service entrance trough is to be demolished as shown on Drawing E-004. Drawing E-014 indicates that the trough is to remain.

Response:

The existing service entrance trough is to be demolished as shown on E-004 and a new trough is to be installed as shown on E-014 and E-011.

Question 30:

Please confirm whether Pay Item No 6. Is Forty Thousand Dollars (\$40,000.00) or Fifty Thousand Dollars (\$50,000.00).

Response:

Refer to Addendum No. 4, Item 3. Delete Bid Item 6 of Proposal Contract and Replace with the following:

6	Stipulated Lump Sum	Record Documents For Fifty Thousand Dollars		
		<u>No</u>	<u>Cts./L.S.</u>	<u>\$50,000.00</u>
				<u>\$50,000.00</u>

Question 31:

With reference to Section 1.07 of Specification 01010 Summary of Work, please clarify what the local building department permit fees are.

Response:

Contractor is responsible for any and all permits associated with the new work.

Question 32:

From the additional drawings provided in Addendum #2, we are unable to determine the following information related to the Grit Tanks Influent Channel upstream of the Parshall Flume in the Grit Building:

- a. Channel width
- b. Channel depth
- c. Normal water depth

Please provide this information as it is necessary in order to determine the bulkhead required during bypass operations.

Response:

See Attachment 2 - Contract 82 Vol II Drawings. Water depth is dependent of flow from the main pump station.

Question 33:

Page 20 of the RFP-RC-SWR-CIP 2020-02 - Bid Proposal pages states the following docs need to be submitted with the bid.

1. EEO Policy Statement
2. Documented Proof that EPA Form 6100-02 - DBE Subcontractor Participation Form was given to MWBE Subcontractors
3. EPA Form 6100-03 DBE Subcontractor Performance Form
4. EPA Form 6100-04 DBE Subcontractor Utilization Form

Then it states "Refer to Appendix D, NYS Revolving Fund (SRF) Bid Packet for Construction Contracts " however Appendix D is the New York State Department of Labor Prevailing Wage Schedule. APPENDIX F is the "Program Requirements and Bid Packet for Contracts Funded with the NYS Clean Water State Revolving Fund (SRF) or Drinking Water State Revolving Fund "

Appendix F states To be submitted with this bid:

☐ Lobbying Certification

☐ AIS Contractor's Certification

If page 20 of the RFP-RC-SWR-CIP 2020-02 - Bid Proposal governs, please help me locate the following docs.

1. Documented Proof that EPA Form 6100-02 - DBE Subcontractor Participation Form was given to MWBE Subcontractors
2. EPA Form 6100-03 DBE Subcontractor Performance Form
3. EPA Form 6100-04 DBE Subcontractor Utilization Form

Response:

Delete "Appendix D" on P-20 of PROPOSAL and Replace with "Appendix F".

Delete Item Nos. 1,3 and 4 under "The following must be submitted with the Bid:" on P-20 of PROPOSAL.

Item No. 2

On Sheet A-001, Add detail DOOR DETAILS FIG-1 and FIG-2 as shown on Attachment 1.

Item No. 3

On Sheet A-001, Change DOOR SCHEDULE, Door MPS-100 width size from " "6'-0" " to " "3'-0"/2'-8" ".

Item No. 4

Delete Bid Item 6 of PROPOSAL (Page P-3) and Replace with the following:

6	Stipulated Lump Sum	Record Documents For Fifty Thousand Dollars		
		No	Cts./L.S.	\$50,000.00
				\$50,000.00

Item No. 5

Delete "Appendix D" on P-20 of PROPOSAL and Replace with "Appendix F".

Item No. 6

Delete Specification 04300, Article 1.07.B and Replace with:

"B. Provide access to the work as needed for Special Inspections as required by Chapter 17 of the 2020 Building Code of New York State."

Item No. 7

Delete Specification 11306, Article 2.04.A and Replace with:

"A. Pump motor shall be 250 HP, 505 rpm vertical inverter duty motor designed to operate on 480-volt, 3 phase, 60 Hertz power. Motors shall be inverter duty rated and have a minimum service factor of 1.15. Motor shall be suitable for use with variable frequency drives as specified in Section 16480. All motors shall comply with Section 15170. The manufacturer shall state in its proposal any limitations on starting methods and steady running conditions. Motors shall be Premium Efficiency. "

Item No. 8

Delete Item Nos. 1,3 and 4 under "The following must be submitted with the Bid:" on P-20 of PROPOSAL.

Item No. 9

Delete Addendum #4

ACKNOWLEDGMENT

Print Name: _____
Name of person responsible for this solicitation

I acknowledge the receipt of _____ addendums.

Signature: _____

Email Address: _____

Direct Phone Number: _____

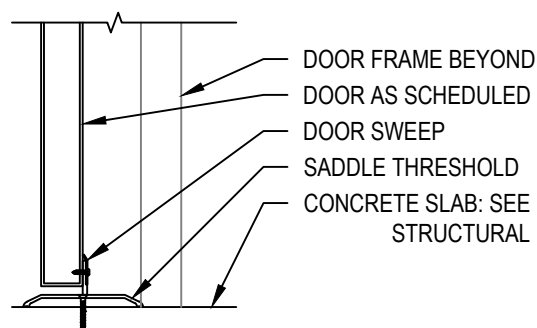
Fax Number: _____

Date: _____

Martin J. Dolphin, P.E.
Assistance Director

Date: September 8, 2021

ATTACHMENT 1

**NOTE:**

COORDINATE WALL BASE TYPE
WITH WALL SECTION

DOOR SILL DS3

SCALE: 1 1/2" = 1'-0"



**Environmental
Design & Research,**
Landscape Architecture, Engineering
& Environmental Services, D.P.C.
217 Montgomery Street, Suite 1100
Syracuse, New York 13202
P. 315.471.0688

PROJECT TITLE: **MAIN PUMP STATION UPGRADE**

EDR JOB#: **19190**

DRAWING TITLE: **DOOR DETAILS**

FIGURE NUMBER:

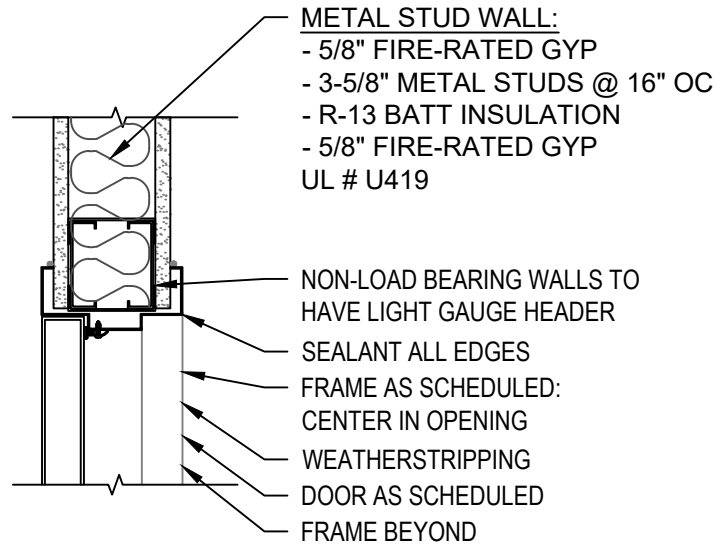
SCALE: **AS NOTED**

DRAWN: **MJS**

CHECKED:

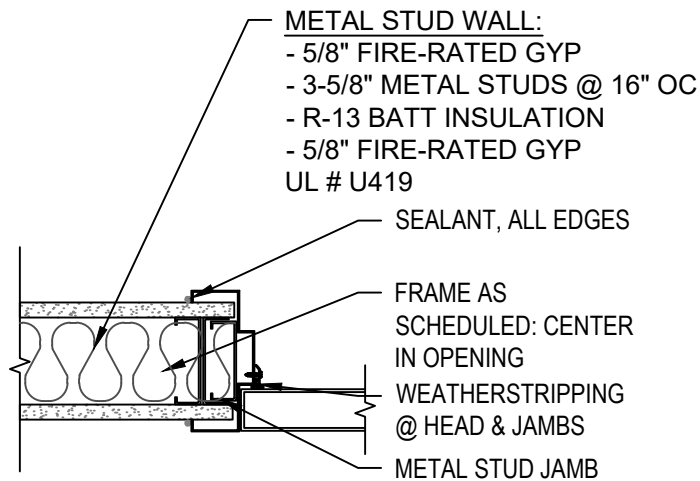
DATE: **SEPT 2021**

FIG-1



DOOR HEAD DH3

SCALE: 1 1/2" = 1'-0"



DOOR JAMB DJ3

SCALE: 1 1/2" = 1'-0"



**Environmental
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 Syracuse, New York 13202
 P. 315.471.0688

PROJECT TITLE: **MAIN PUMP STATION UPGRADE**

EDR JOB#: **19190**

DRAWING TITLE: **DOOR DETAILS**

FIGURE NUMBER:

SCALE: **AS NOTED**

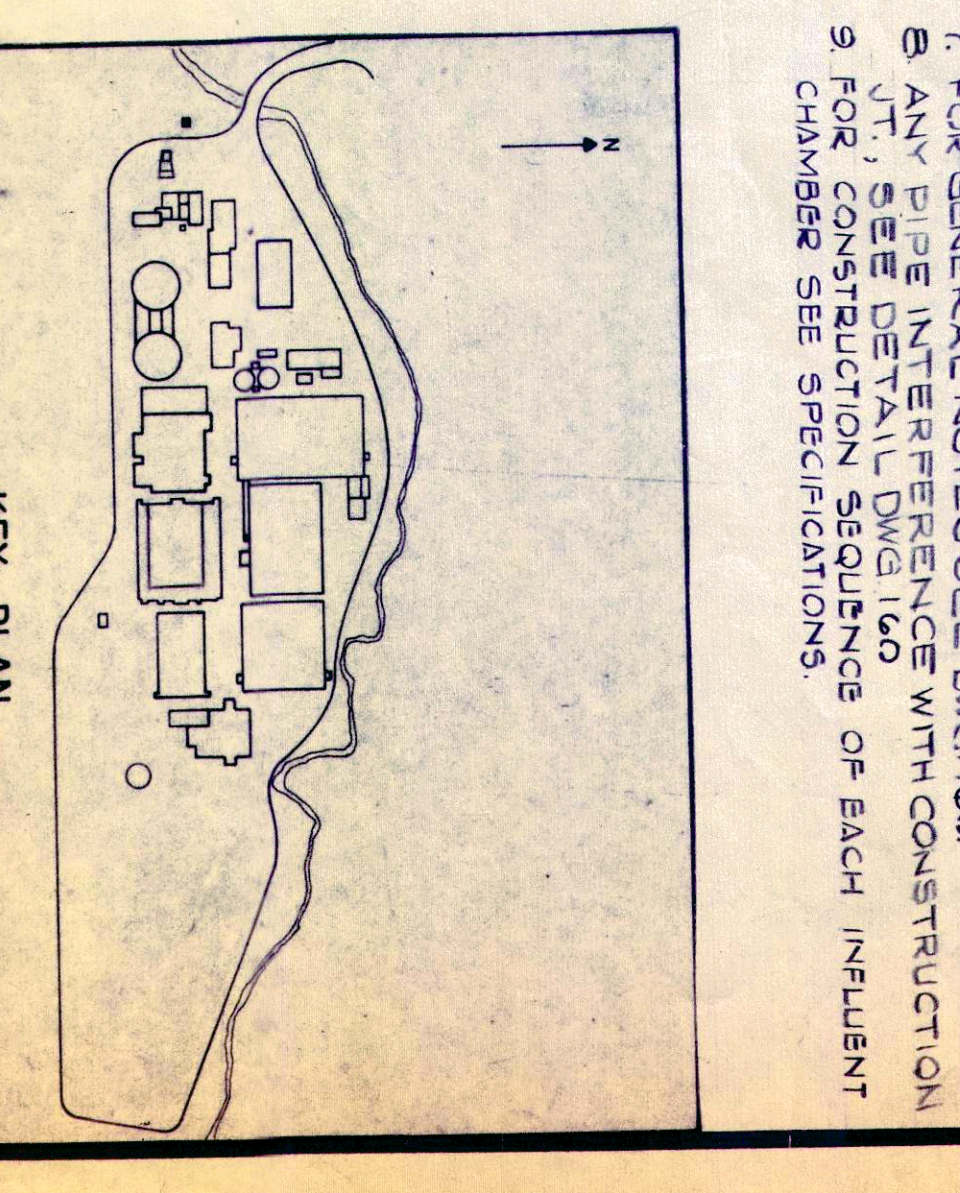
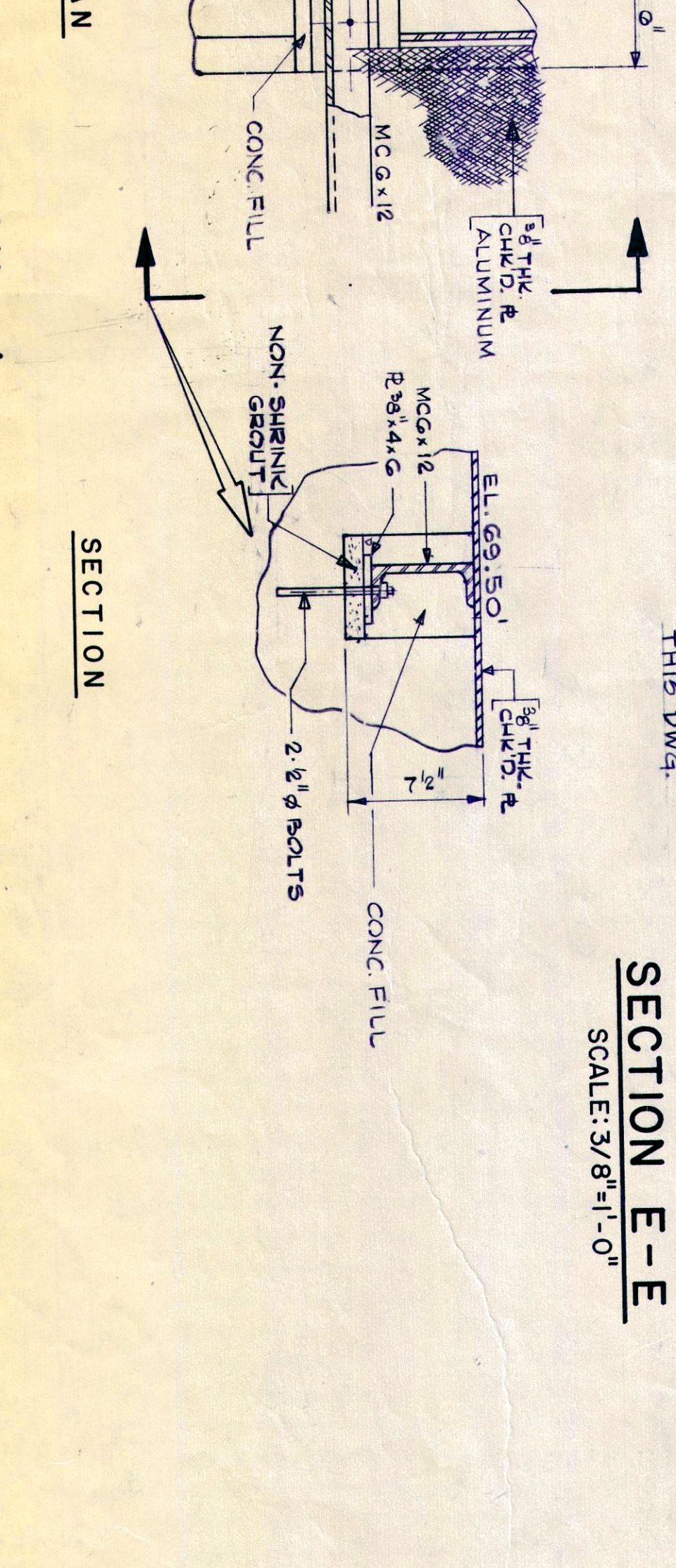
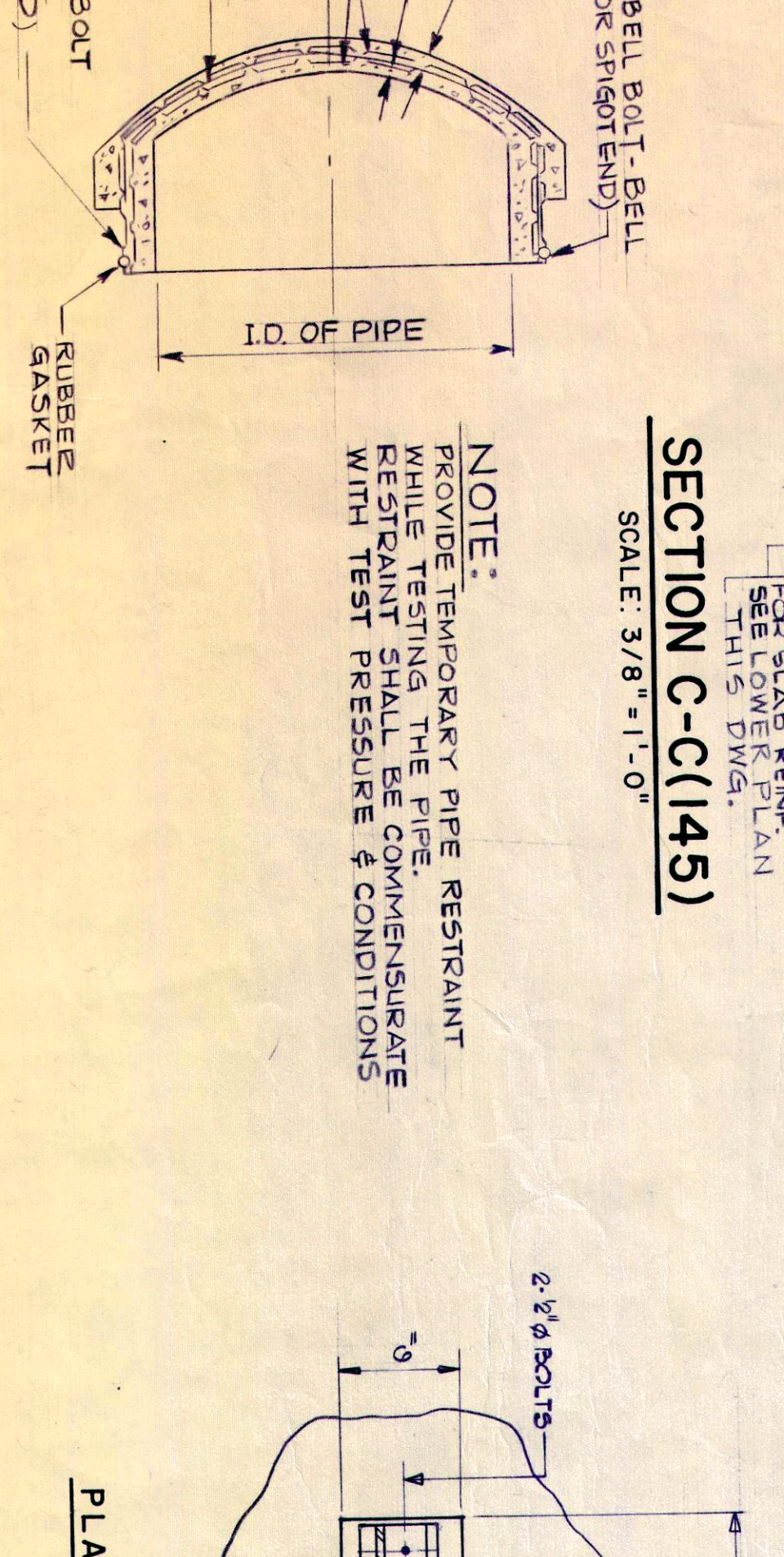
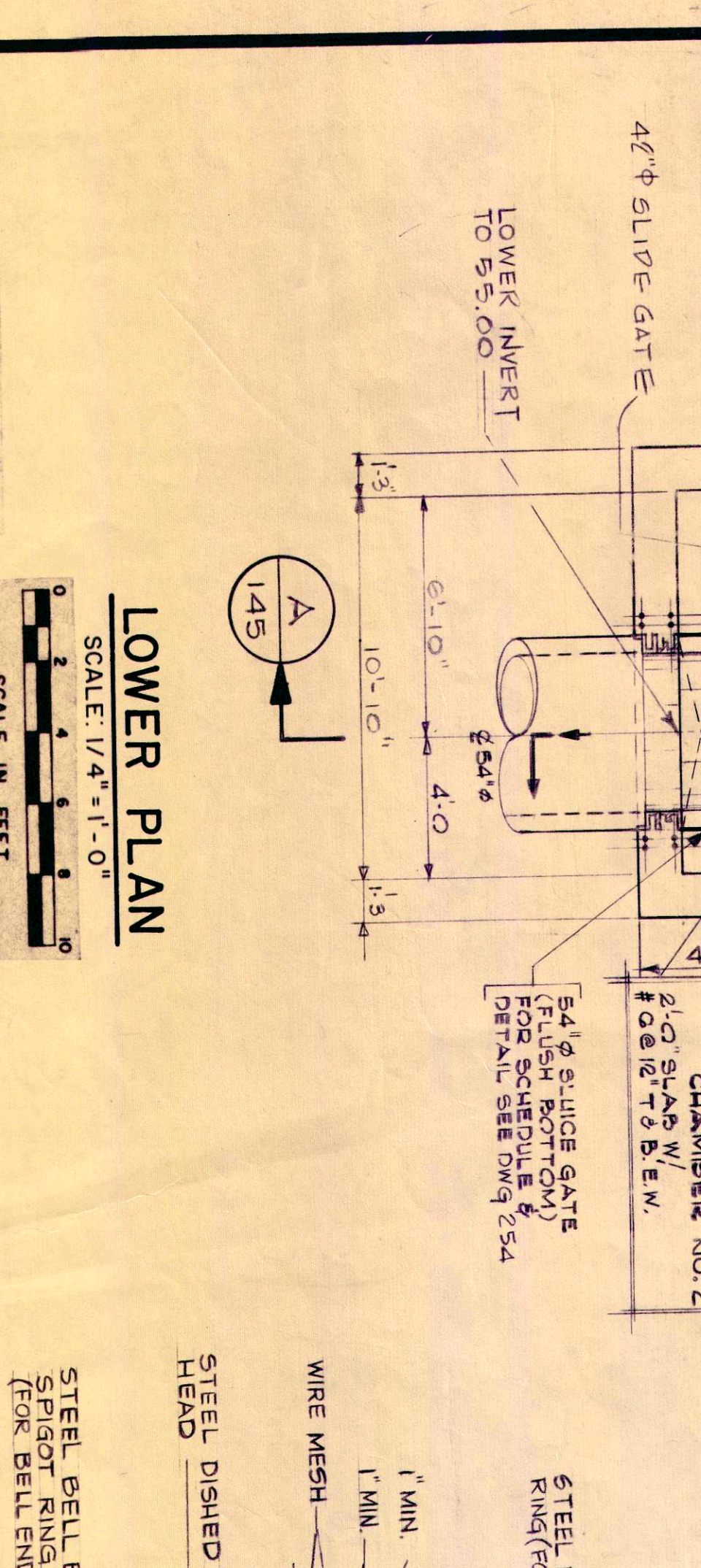
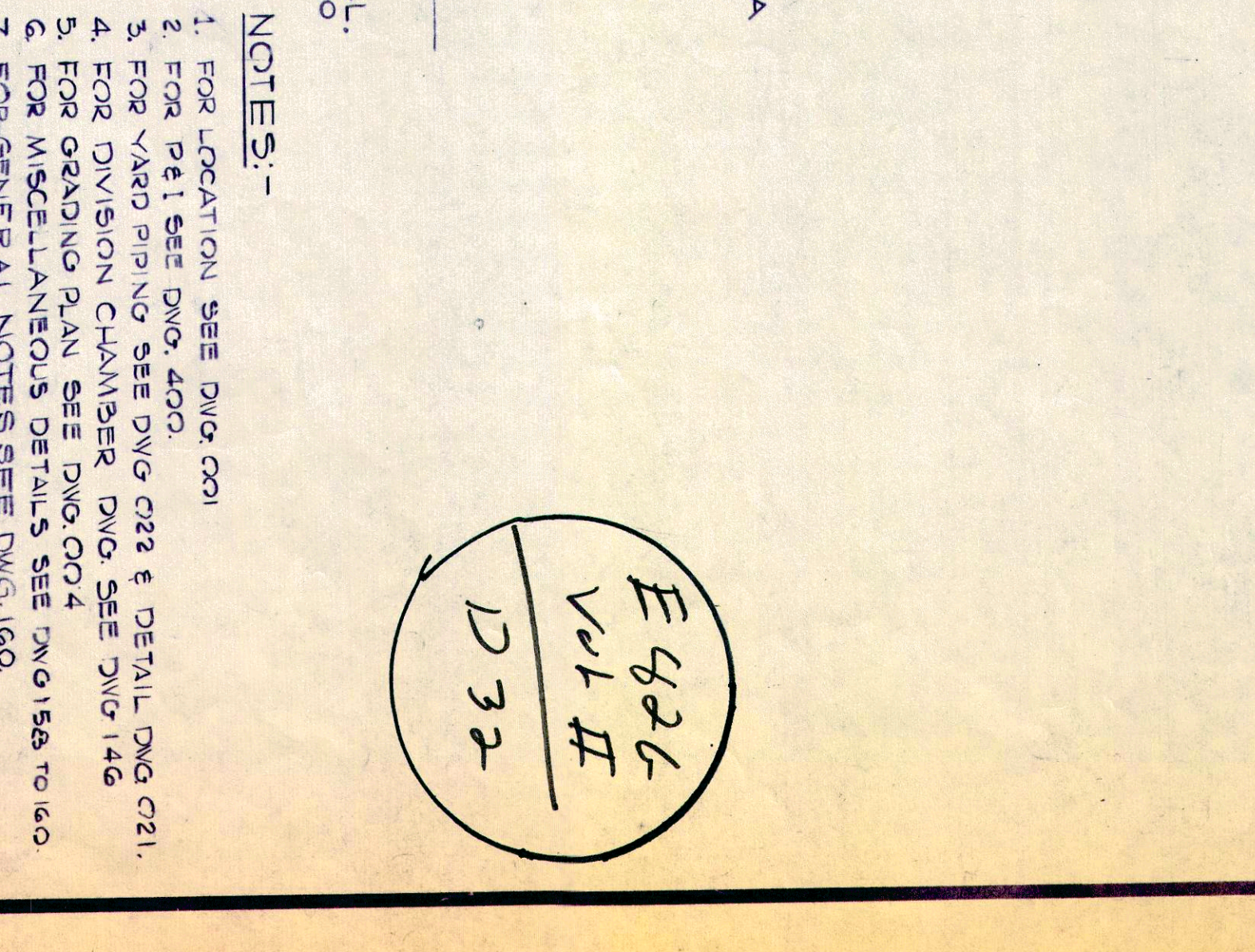
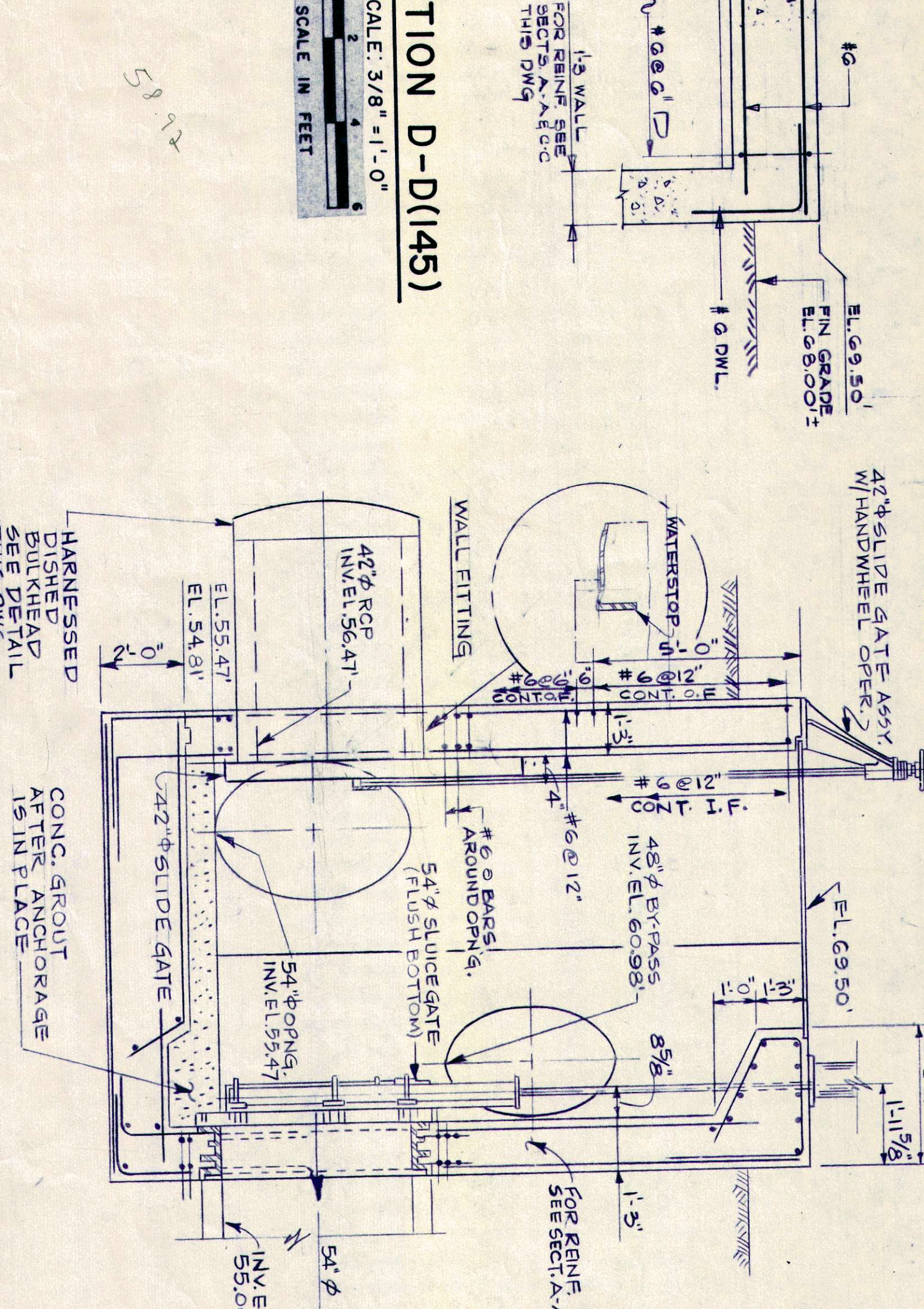
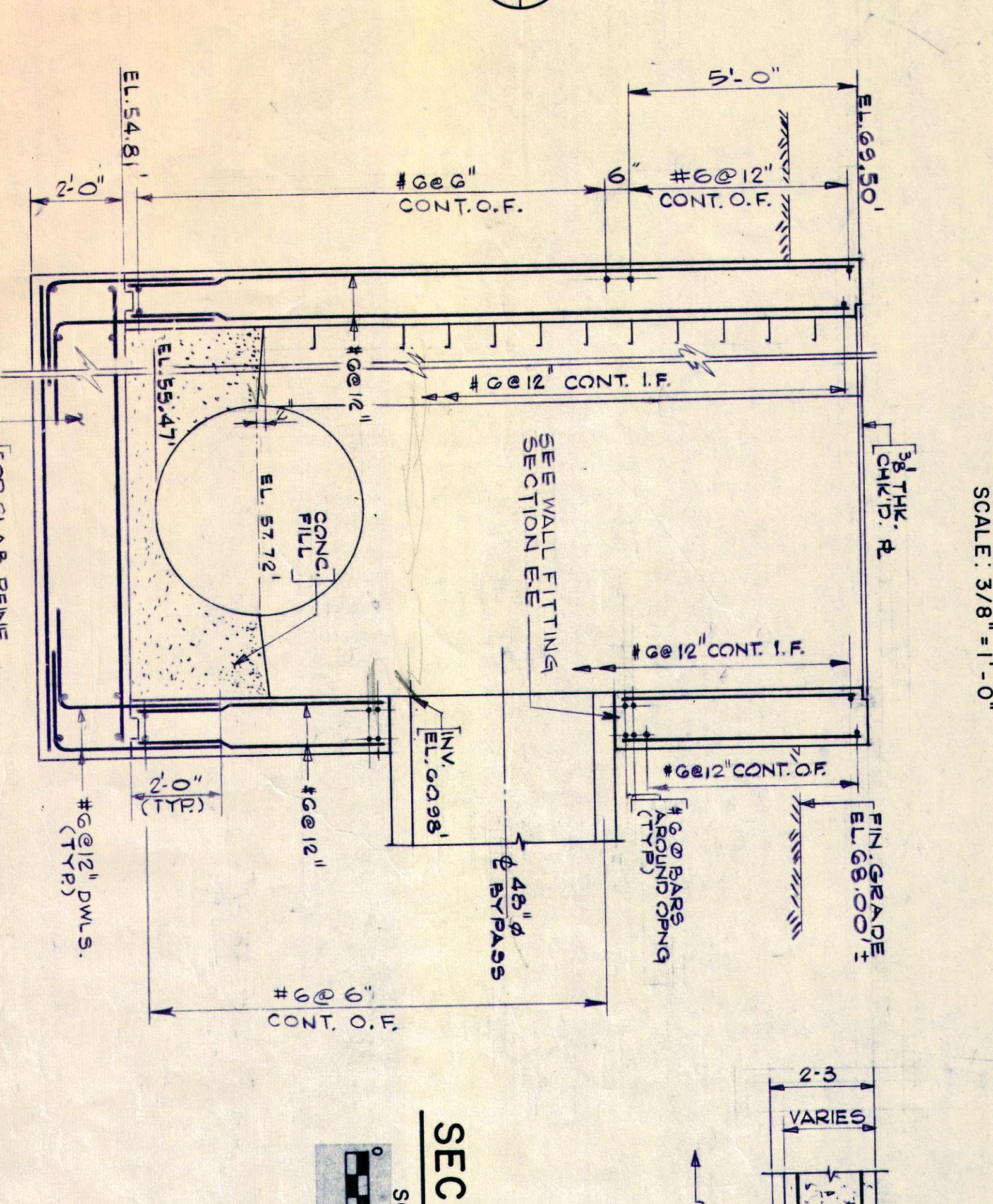
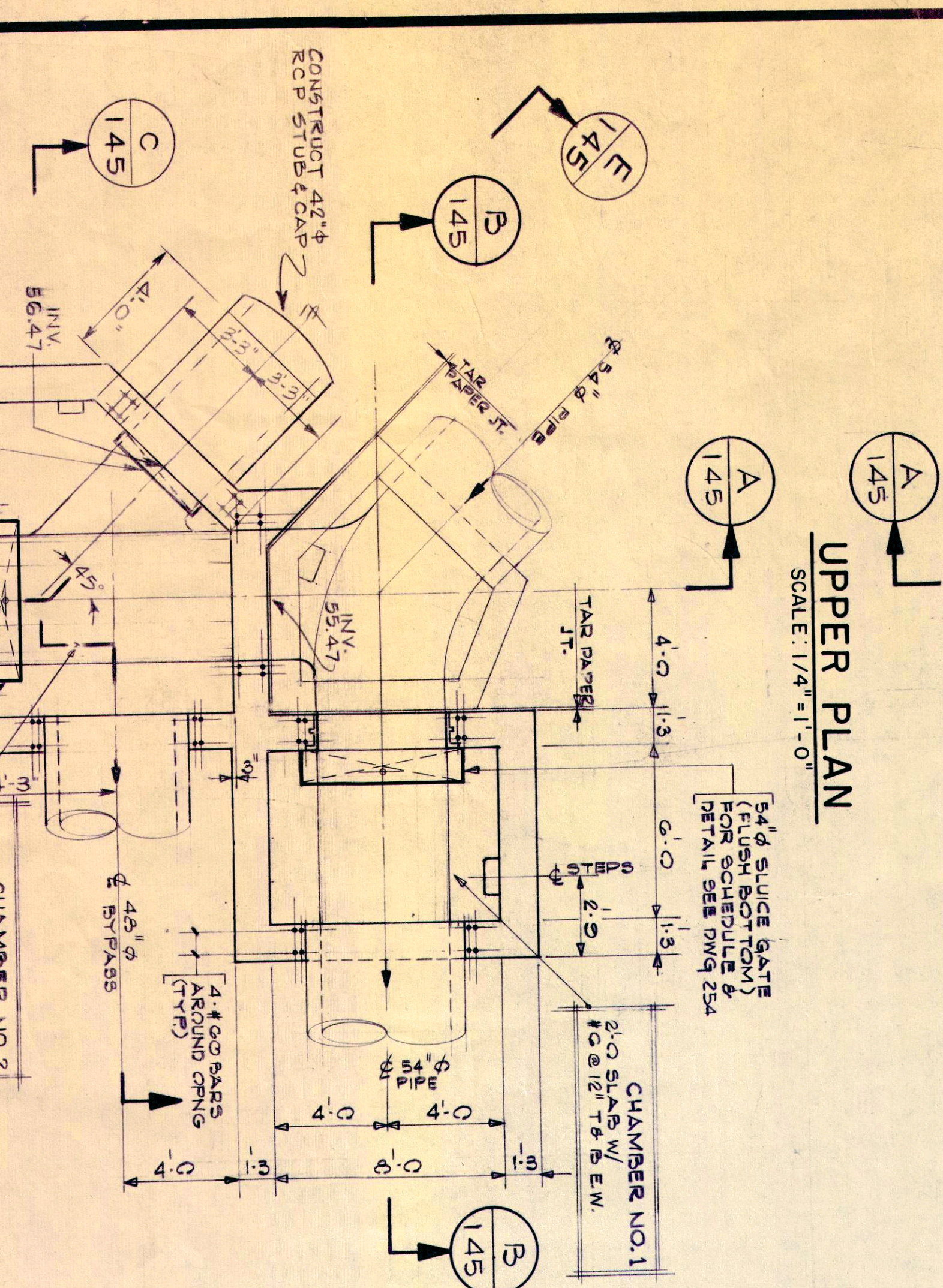
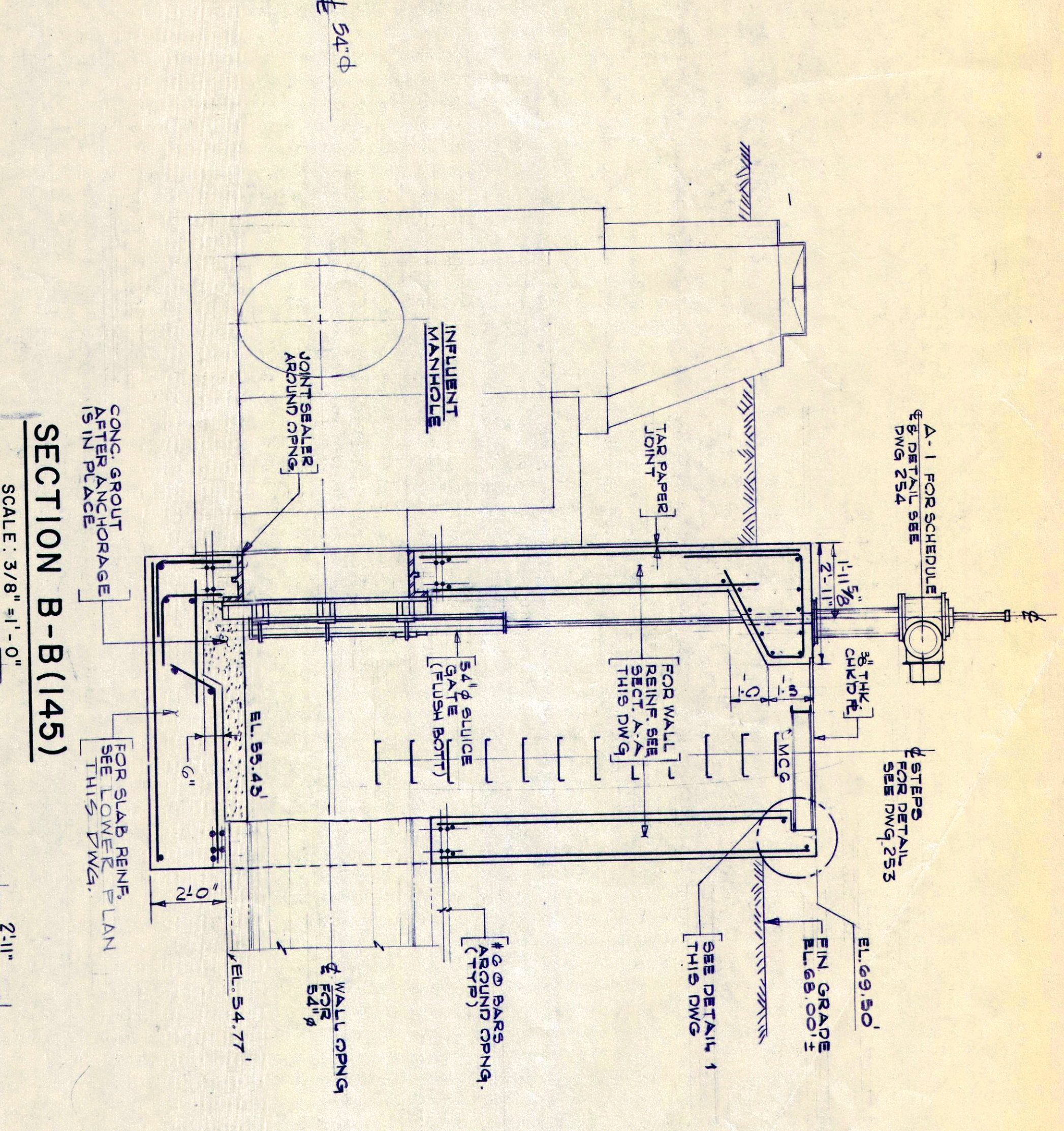
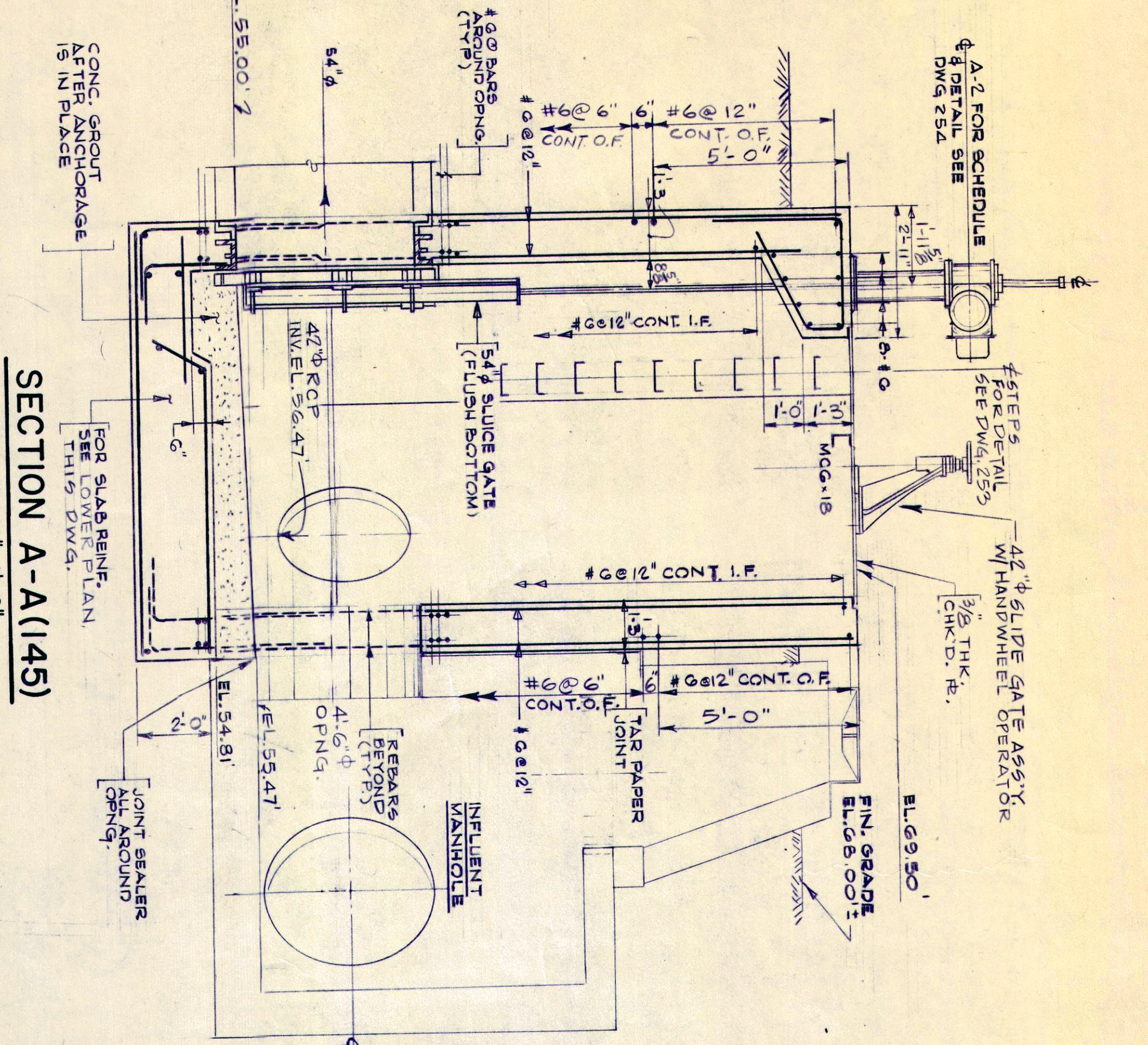
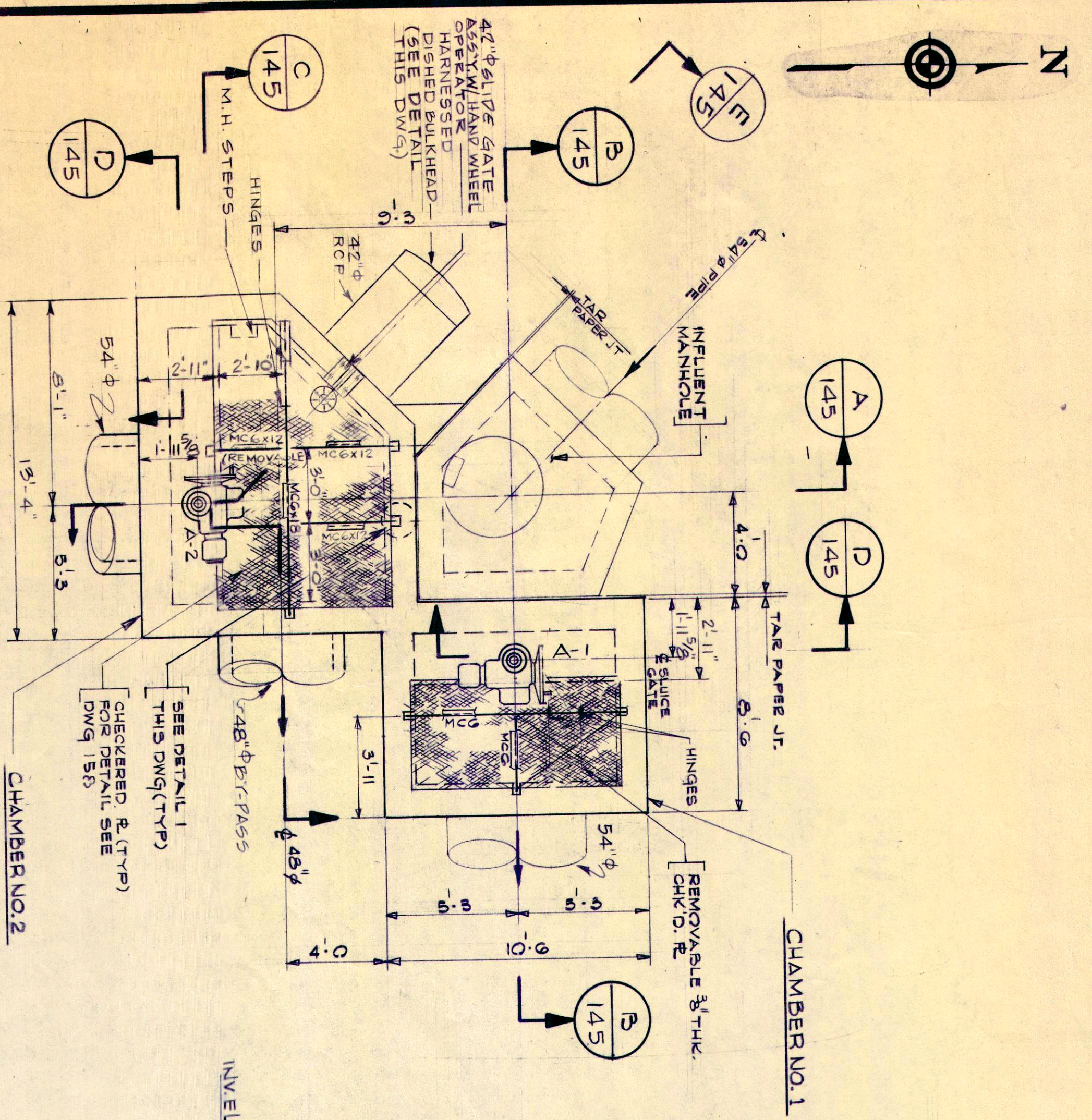
DRAWN: **MJS**

CHECKED:

DATE: **SEPT 2021**

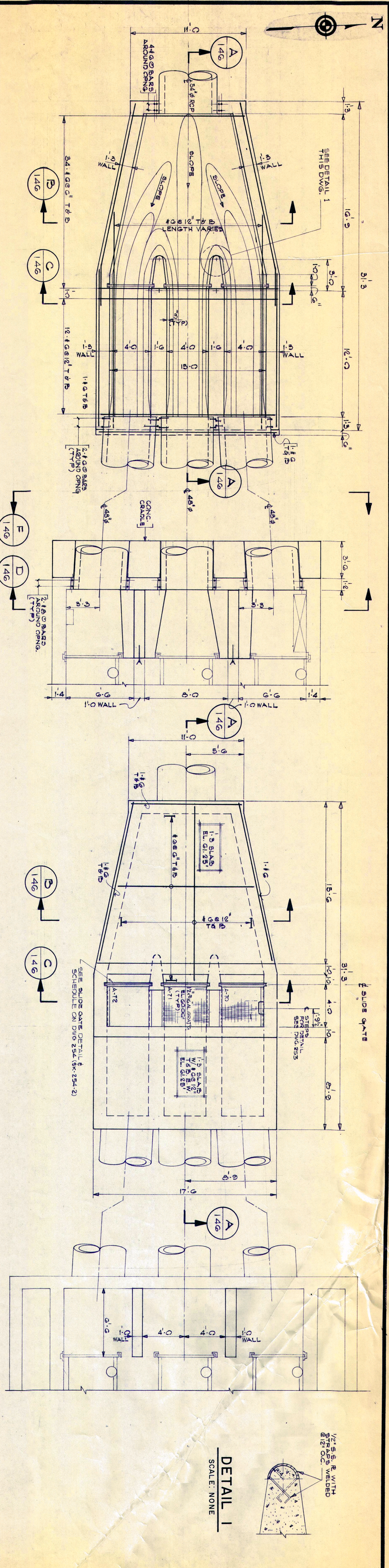
FIG-2

ATTACHMENT 2

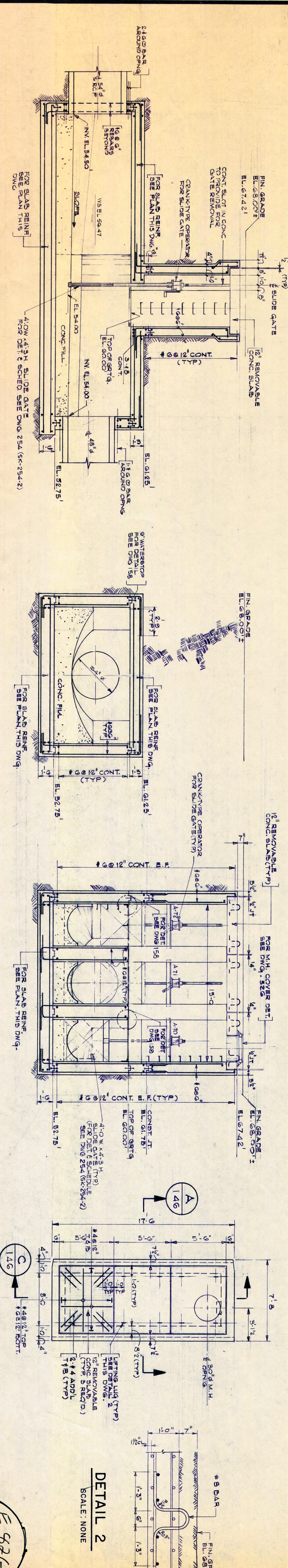


UNAUTHORIZED ALTERATIONS OR ADDITIONS TO A PLAN BEARING A LICENSED ENGINEER'S SEAL OR SIGNATURE ARE PROHIBITED BY LAW OF THE STATE OF NEW YORK.	
NO. 145 AS BUILT ADDENDUM NO. 1 DATE: 11-84	NO. 145 DESCRIPTION: HARNESSED DISHED BULKHEAD DETAIL
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JOB NO. 31773	COUNTY SEWER DISTRICT ROCKLAND COUNTY, NEW YORK POLLUTION ABATEMENT PROJECT NUMBER C-36-744-03
SCALE: NONE	ROCKLAND PLANT SEWAGE TREATMENT EXPANSION CONTRACT NO. 82 G
Scale: AS SHOWN Date: AUG 1984	NEW CHAMBERS NO. 1 AND NO. 2 PLANS, SECTIONS, AND DETAIL DWG. NO. 145 - 1

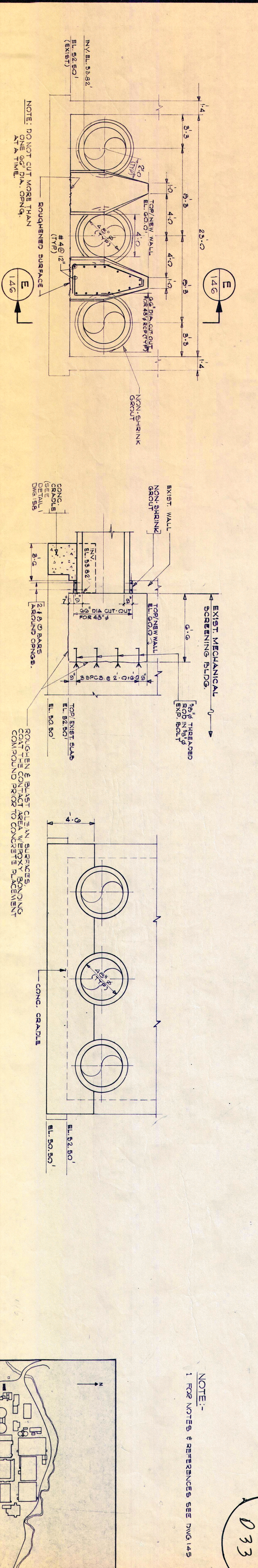
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UPPER PLAN



SECTION A-A (146)



SECTION D-D (146)

SECTION E-E (146)

SECTION F-F (146)

E 826
Vol #
033

NOTE:-
1. FOR NOTES & REFERENCES SEE DWG 145

UNLESS OTHERWISE NOTED, ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NEW YORK STATE ENGINEERING LAW.

DESIGNED BY: J. H.
DRAWN BY: A. P.
CHECKED BY: J. H.
PROJ. ENGR.: M. Z.

REVISIONS

NO.	DATE	DESCRIPTION
1	11-84	ADDENDUM NO. 1

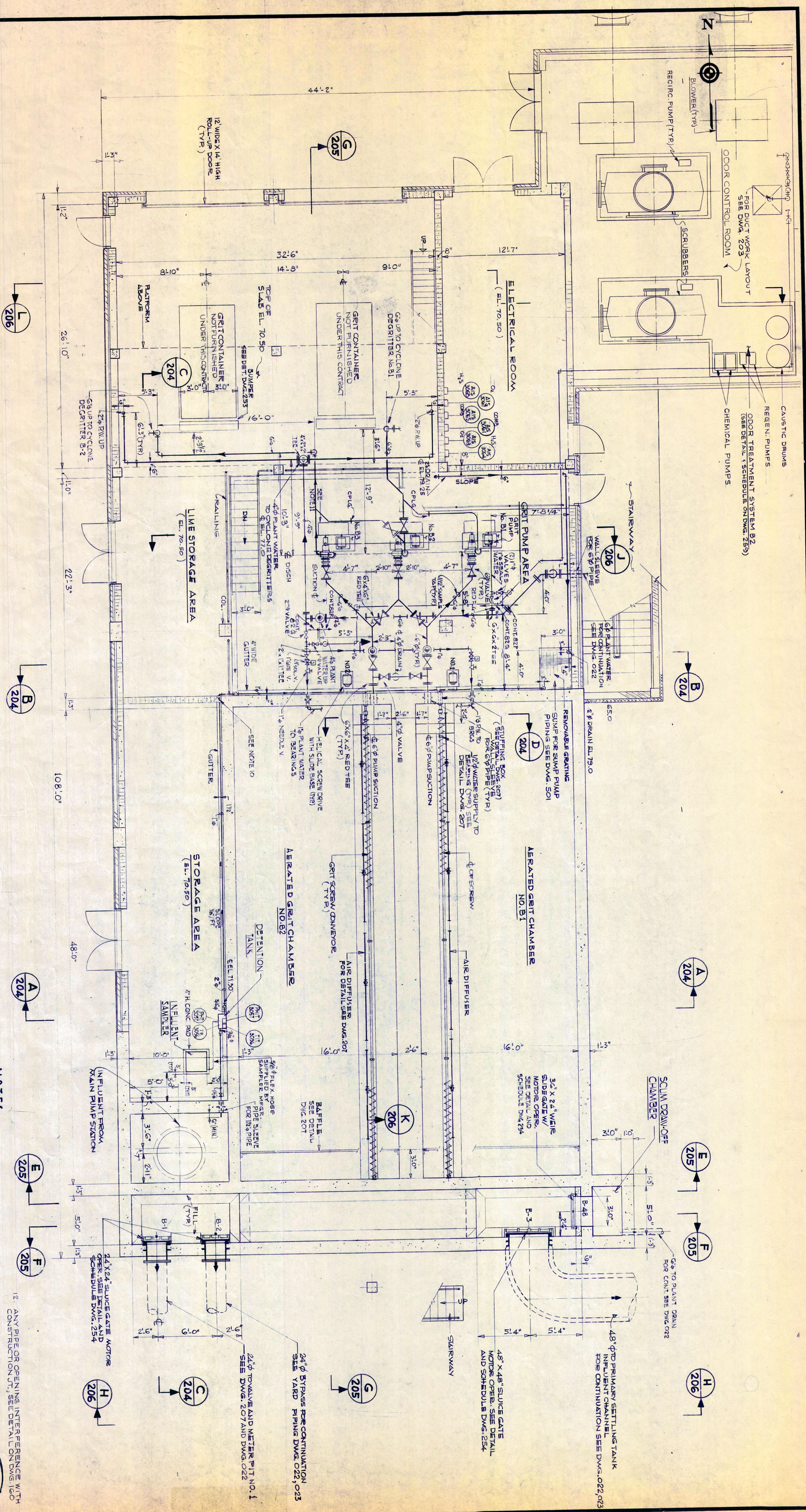
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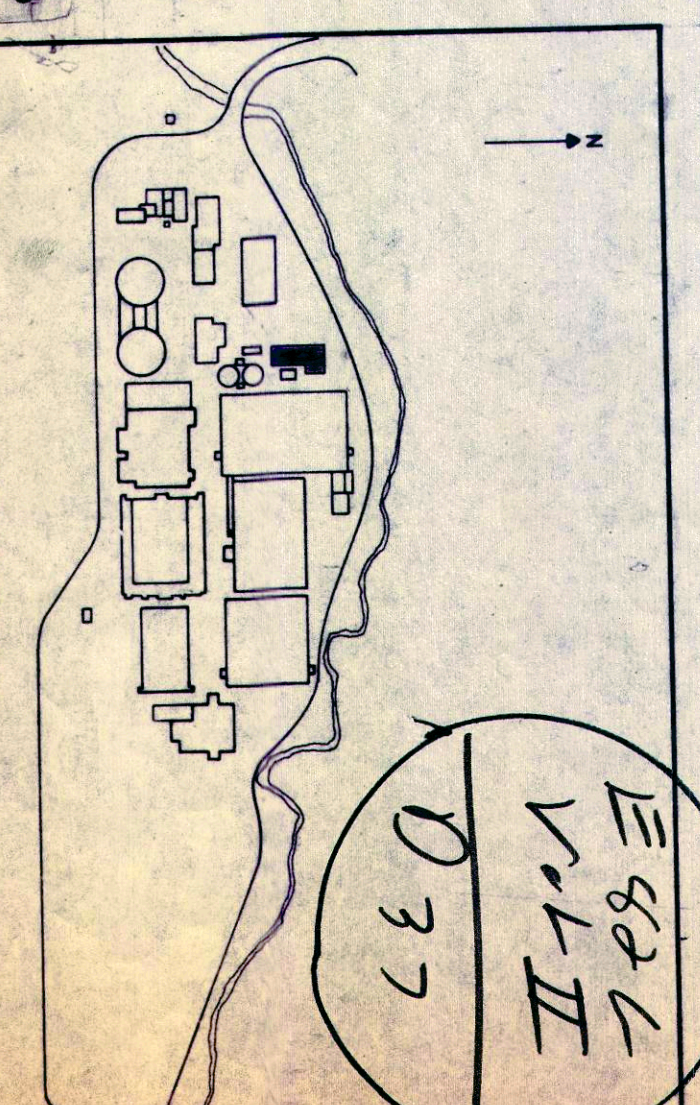
COUNTY SEWER DISTRICT
ROCKLAND COUNTY, NEW YORK
POLLUTION ABATEMENT PROJECT
NUMBER C-36-744-03

SEWAGE TREATMENT PLANT
EXPANSION
CONTRACT NO. 82 G

DIVISION CHAMBER
PLANS, SECTIONS AND DETAILS
Scale: 1/4"=1'-0" Date: AUG 1984 DWG. NO. 146-0



- NOTES:**
1. FOR GENERAL NOTES SEE DWG. NO. 209.
 2. FOR LAYOUT SEE DWG. NO. 201.
 3. FOR STRUCTURE SEE DWG. NO. 103 TO 108.
 4. FOR SEWAGE TREATMENT SEE DWG. NO. 055 TO 064.
 5. FOR HAV SEE DWG. NO. 611.
 6. FOR PLUMBING SEE DWG. NO. 501.
 7. FOR ELECTRICAL SEE DWG. NO. 741-744.
 8. FOR P&I DIAGRAMS SEE DWG. NO. 400.
 9. FOR ALL FIELD-INSTALLED INSTRUMENT DETAILS SEE DWG. NO. 412.
 10. ALL PIPING PASSING FROM HAZARDOUS AREAS TO NON-HAZARDOUS AREAS TO BE CALKED AND SEALED AIR TIGHT.
 11. WASTE WATER TO CARRY OFF DRIPPAGE FROM PUMP BASE PLATES AND SEAL WATER SHALL BE ROUTED TO 12" DIA. DRAIN FRENCH AROUND PUMP PAD (NOT SHOWN) SEE DWG. 103.



UNAUTHORIZED ALTERATIONS OR ADDITIONS TO A PLAN BEARING A LICENSED ENGINEER'S SEAL ARE PROHIBITED BY LAW AND CONSIDERED A VIOLATION OF THE NEW YORK STATE EDUCATION LAW	
DESIGNED BY: J.E.T.	CHECKED BY: J.E.T.
DRAWN BY: U.B.	PROJ. ENGR.: M.Z.
DATE: 5/67	AS BUILT
NO. DATE	DESCRIPTION
REVISIONS	

URS
CONSULTING
NEW YORK
NEW JERSEY

URS Company, Inc.
COUNTY SEWER DISTRICT
ROCKLAND COUNTY, NEW YORK
POLLUTION ABATEMENT PROJECT
NUMBER C-36-744-03

ROCKLAND
SEWAGE TREATMENT PLANT
EXPANSION
CONTRACT NO.82G

AERATED GRIT CHAMBER
PLAN - EL. 78.0'

Scale: 1/4"=1'-0"
Date: NOV. 1982
DWG. NO. 202-1

NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION
1	5/87	AS BUILT			
2	11/84	ADDENDUM NO. 1			
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DESIGNED BY :	J.E.T.
DRAWN BY :	U.B.
CHECKED BY :	J.E.T.
PROJ. ENGR. :	M.Z.

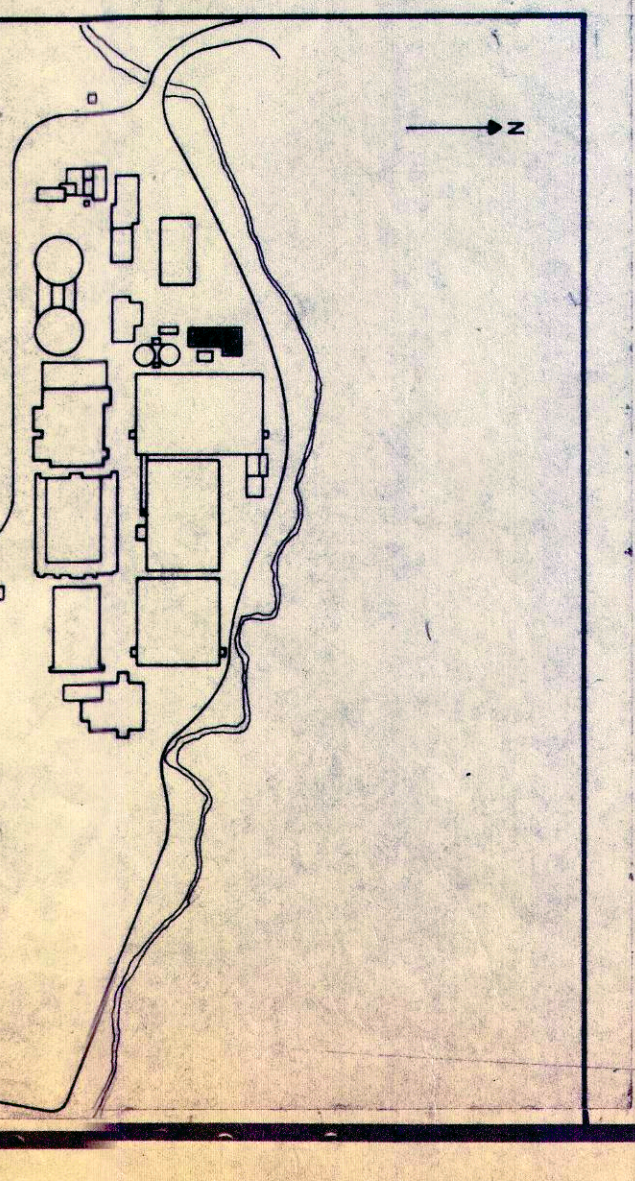
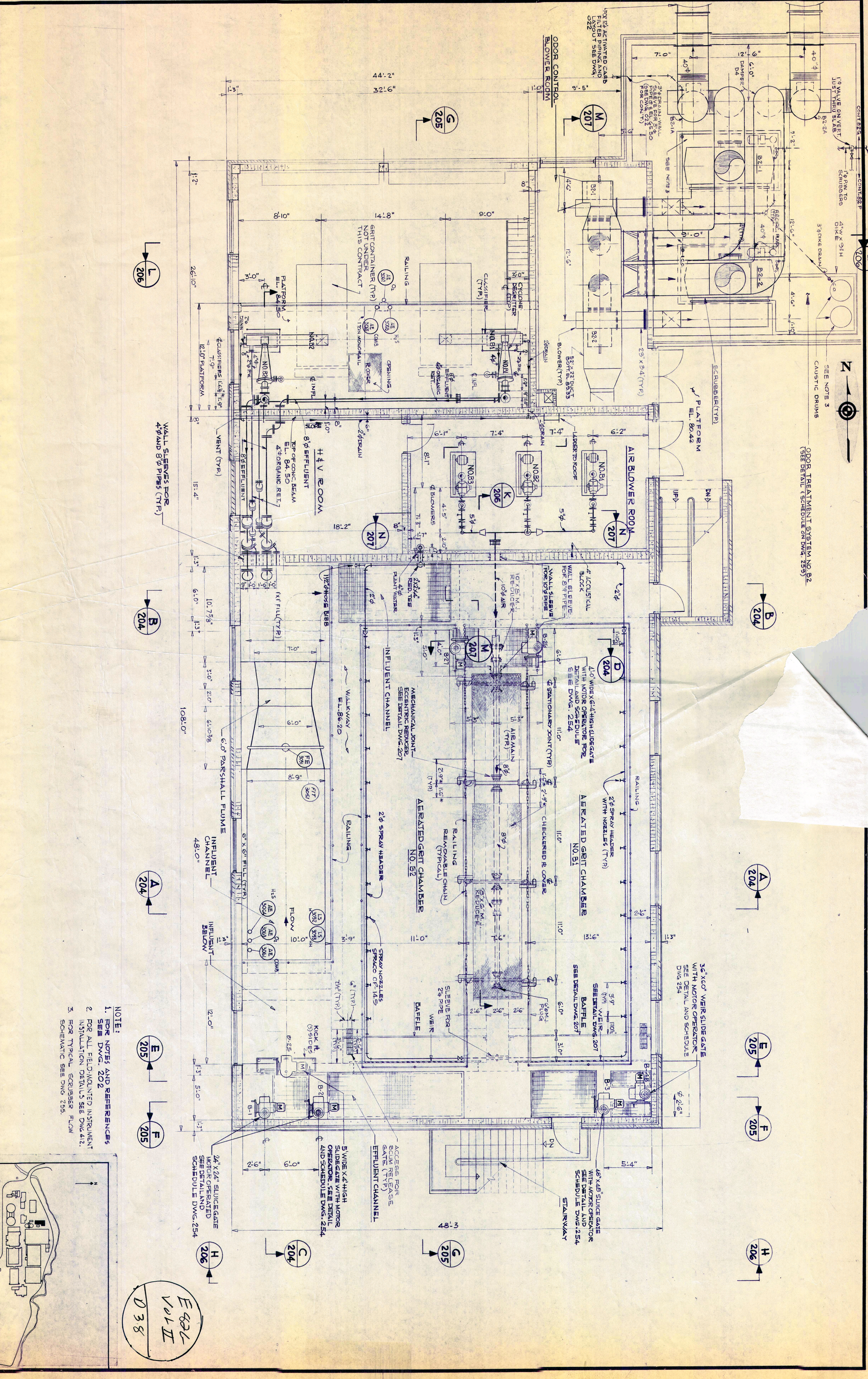
URS URS Company, Inc.
CONSULTING ENGINEERS
NEW YORK NEW JERSEY

JOB NO. 31773

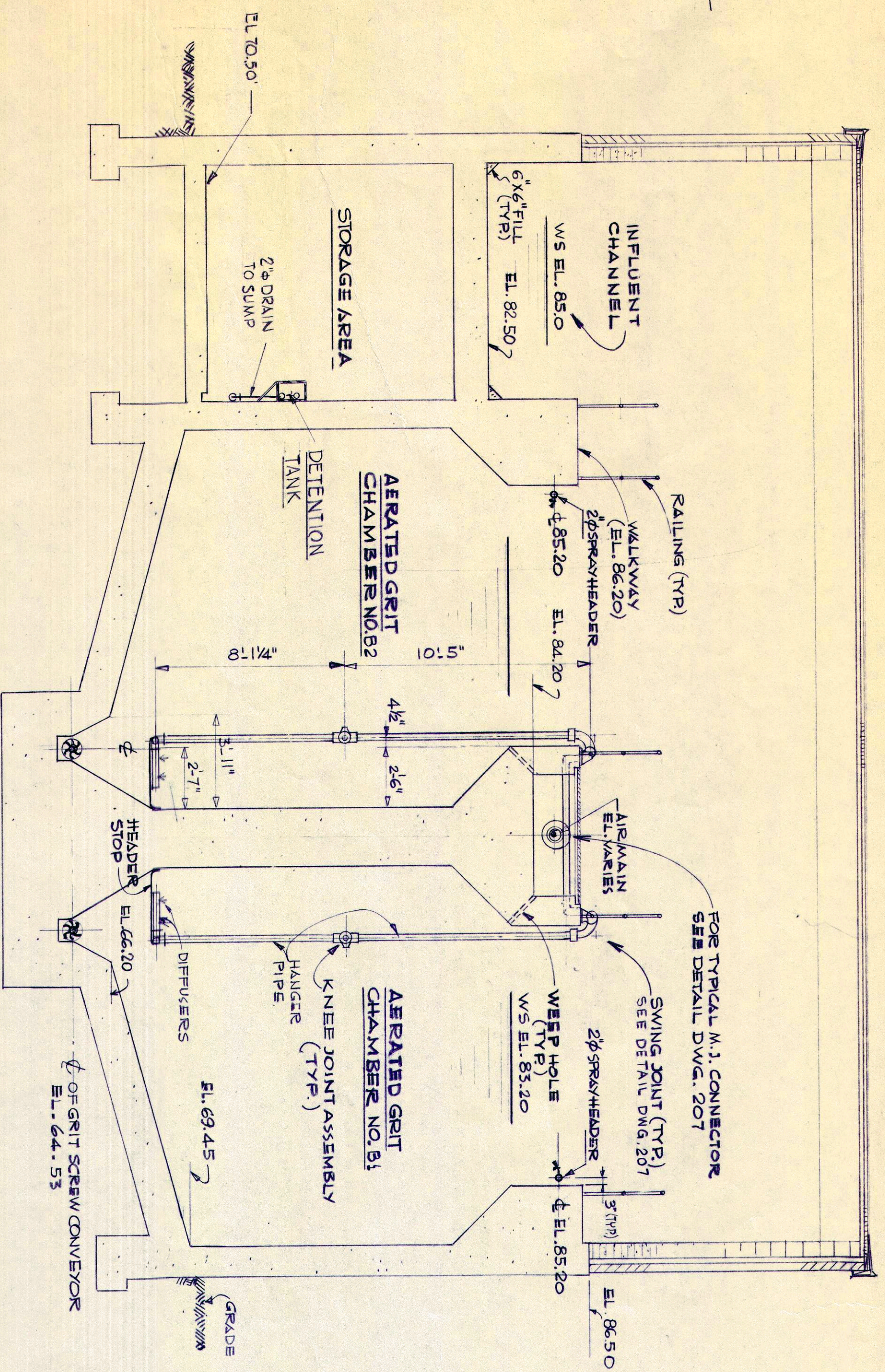
COUNTY SEWER DISTRICT
ROCKLAND COUNTY, NEW YORK
POLLUTION ABATEMENT PROJECT
NUMBER C-36-744-03

ROCKLAND
TREATMENT PLANT
EXPANSION
CONTRACT NO. 82G

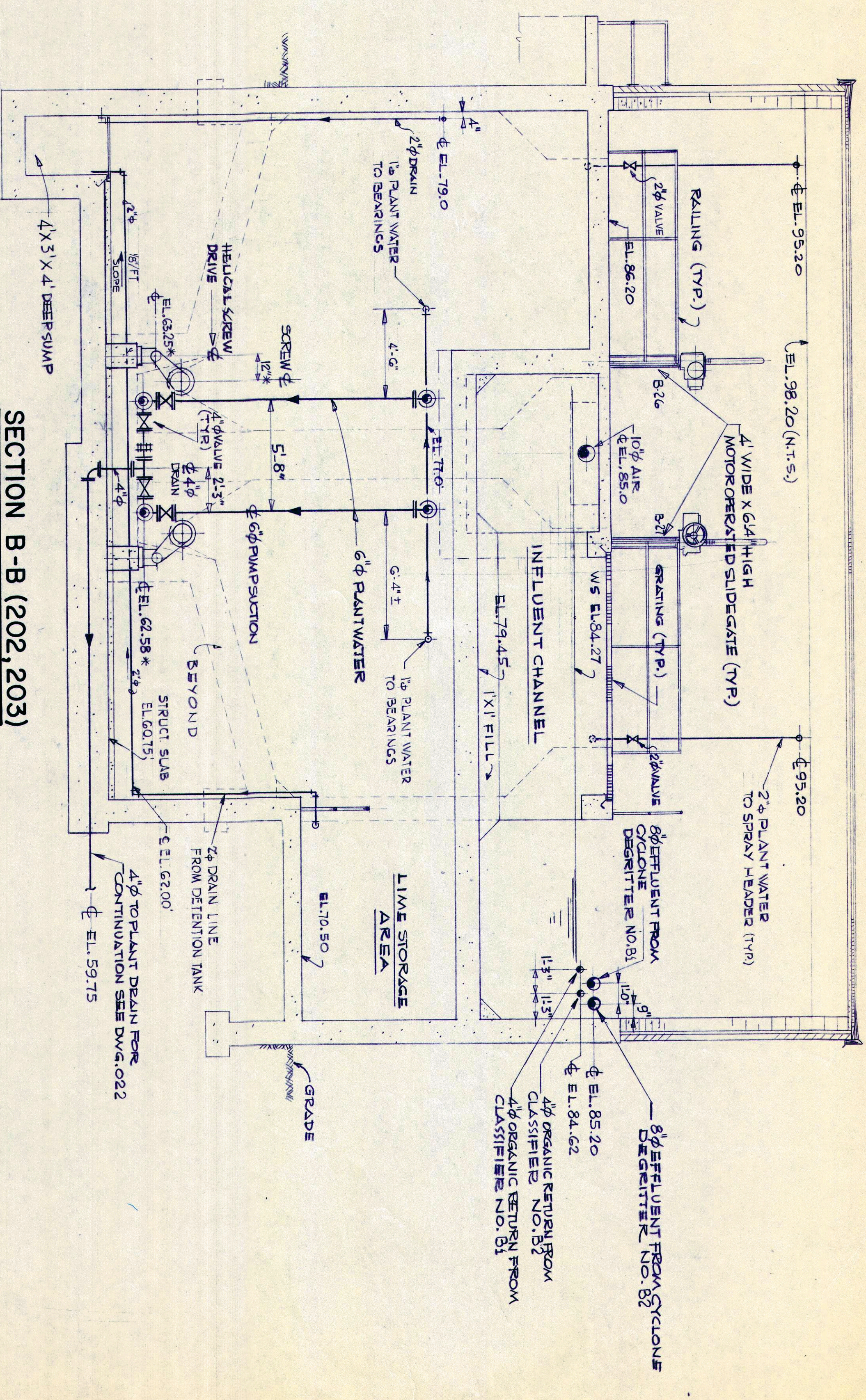
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Date: NOV. 1982
DWG. NO. 203-2



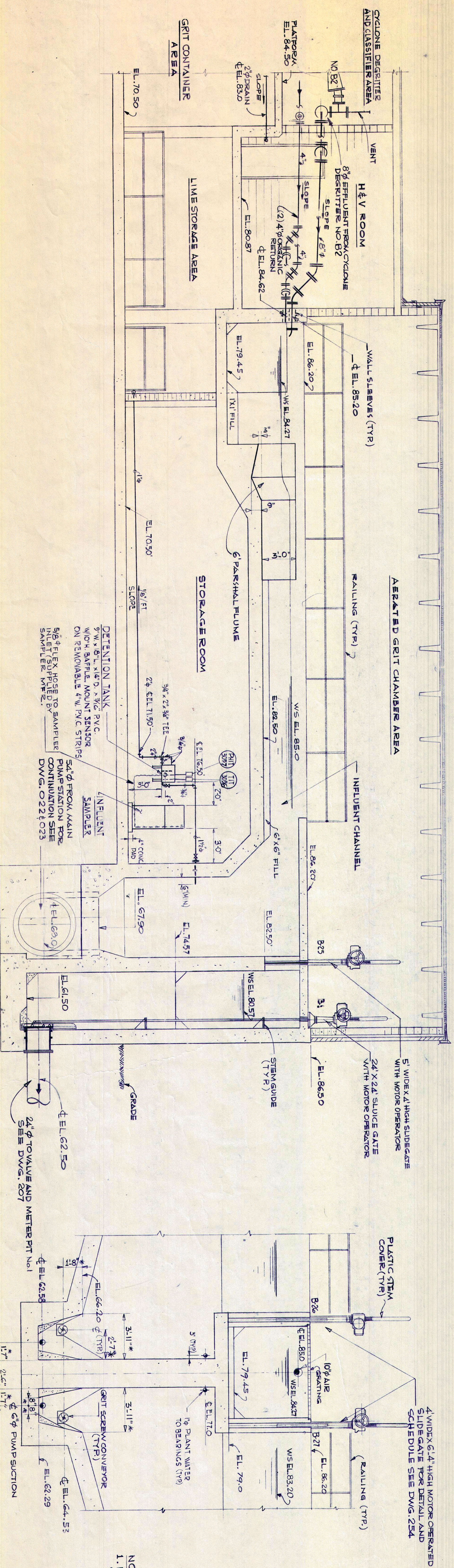
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Vol II
D 38



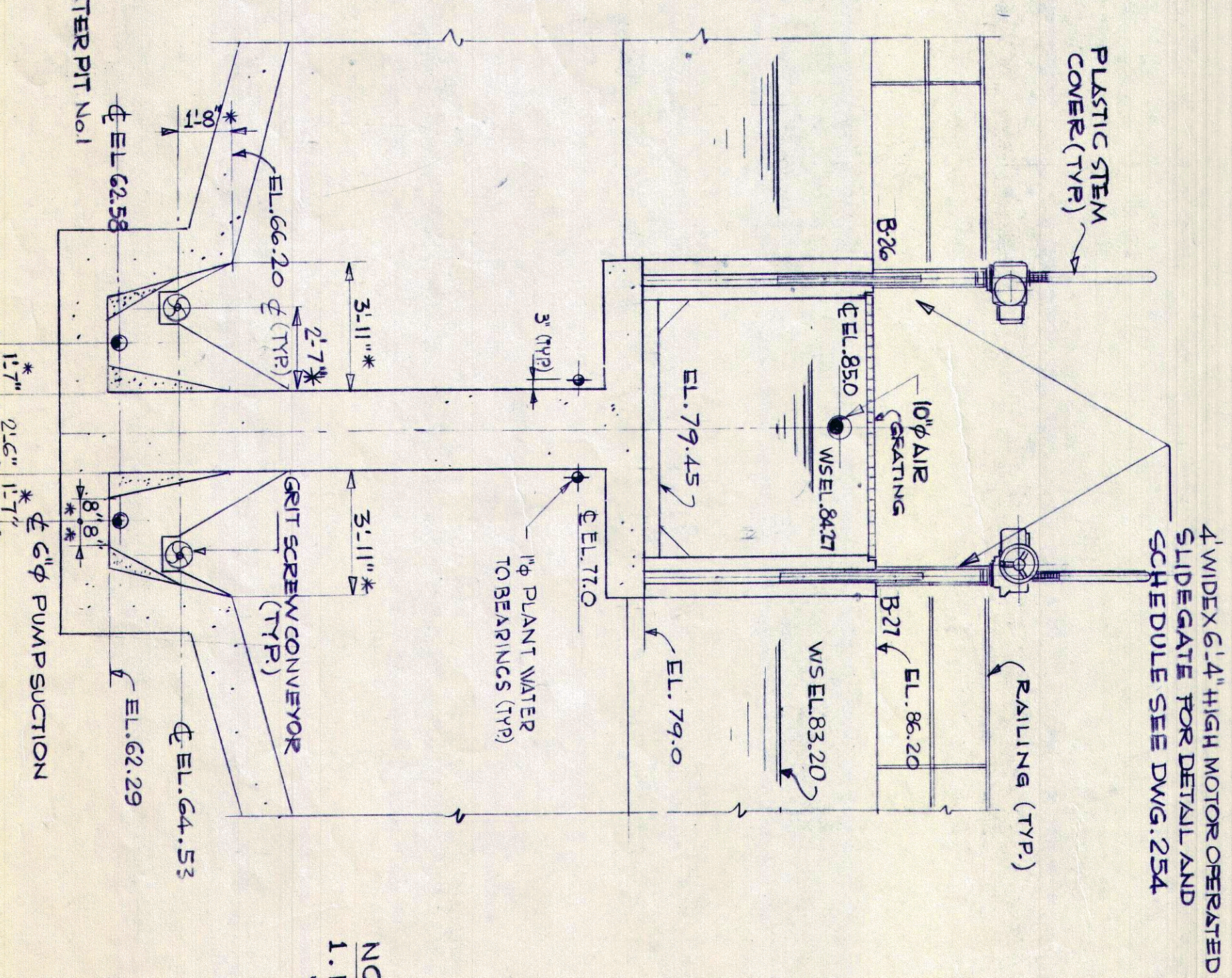
SECTION A-A (202, 203)



SECTION B-B (202, 203)



SECTION C-C (202, 203)



SECTION D-D (202, 203)

NOTES:
1. FOR NOTES AND REFERENCES
SEE DWG. 202

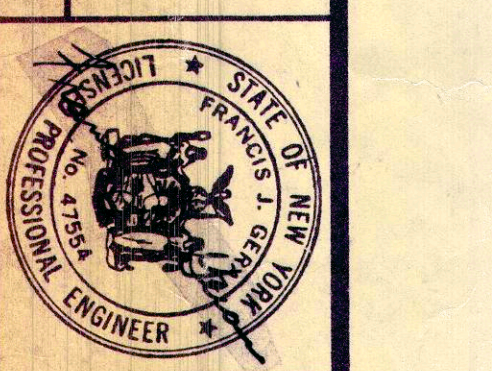
SCALE IN FEET

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039

UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS DRAWING ARE PROHIBITED. ANY SUCH ALTERATIONS WILL BE CONSIDERED A VIOLATION OF SECTION 7609 SUBDIVISION 2, OF THE NEW YORK STATE ELECTION LAW.
NO. 5/87
AS BUILT
DESCRIPTION
NO. DATE
REVISIONS

DESIGNED BY : J.E.T.
DRAWN BY : J.E.T.
CHECKED BY : J.E.T.
PROJ. ENGR. : M.Z.

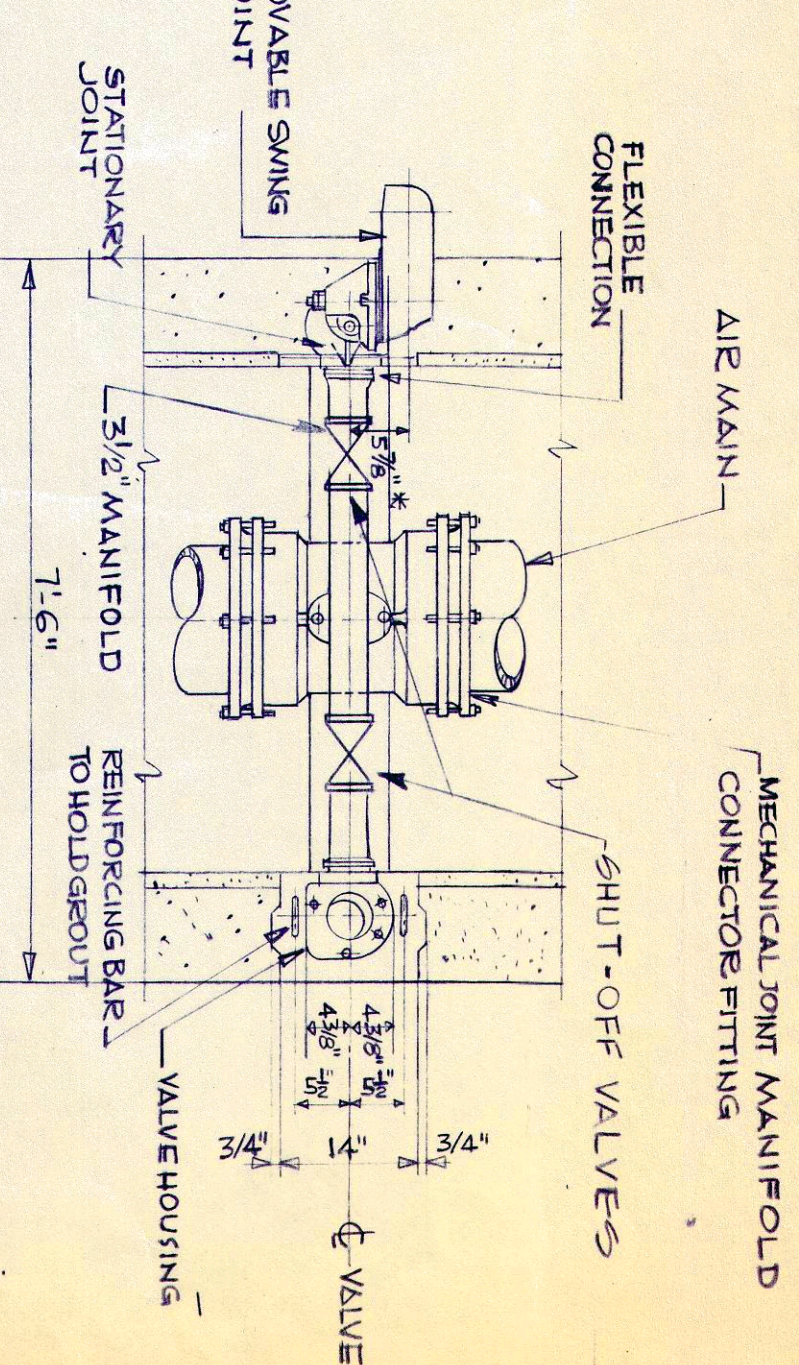
URS
CONSULTING ENGINEERS
NEW JERSEY



COUNTY SEWER DISTRICT
ROCKLAND COUNTY, NEW JERSEY
POLLUTION ABATEMENT PROJECT
NUMBER C-36-744-03

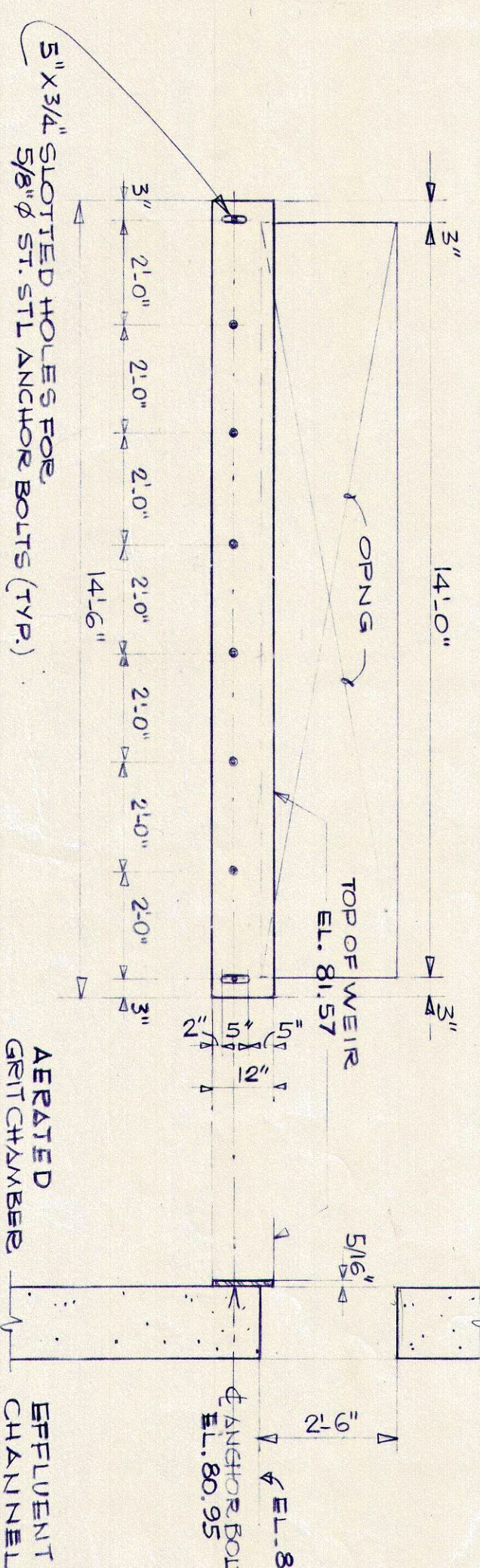
SEWAGE TREATMENT PLANT
EXPANSION
CONTRACT NO. 826

AERATED GRIT CHAMBER
SECTIONS
DWG. NO. 204-1



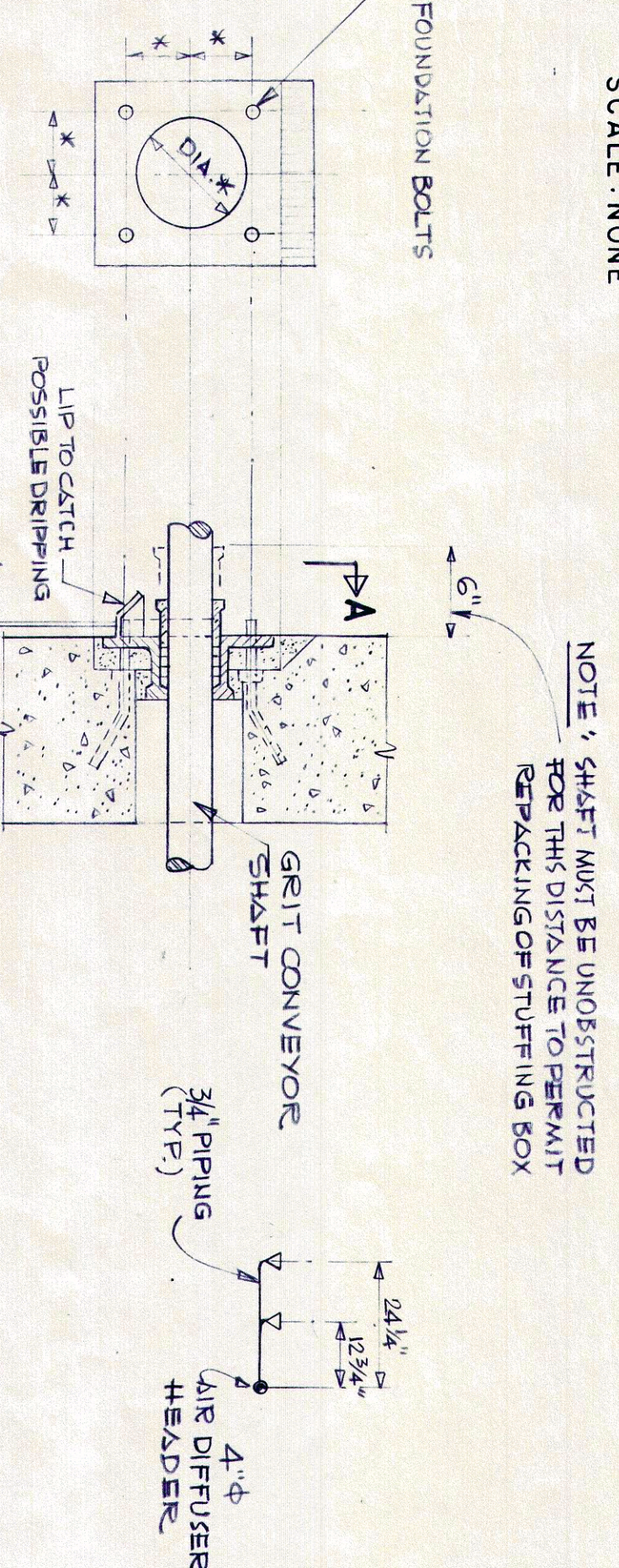
SECTION N-N (2003)

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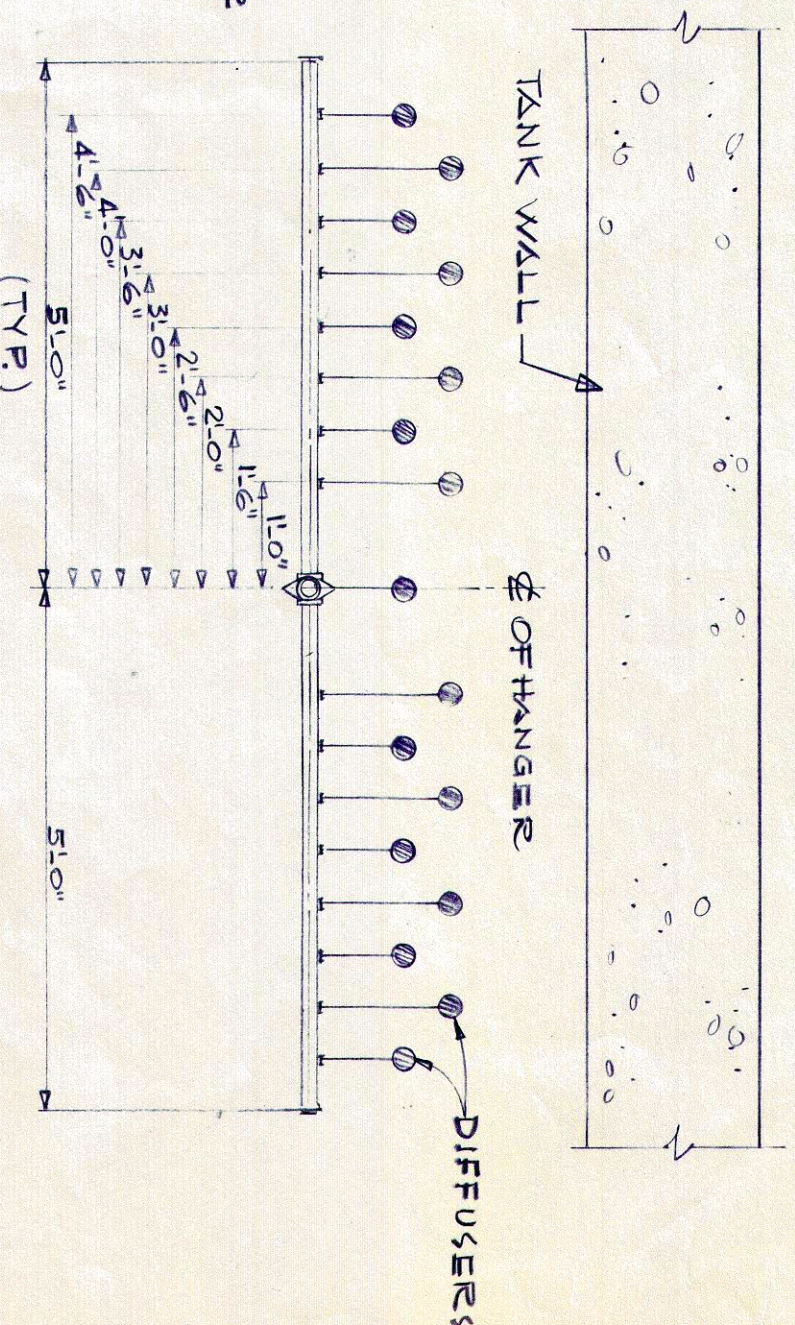
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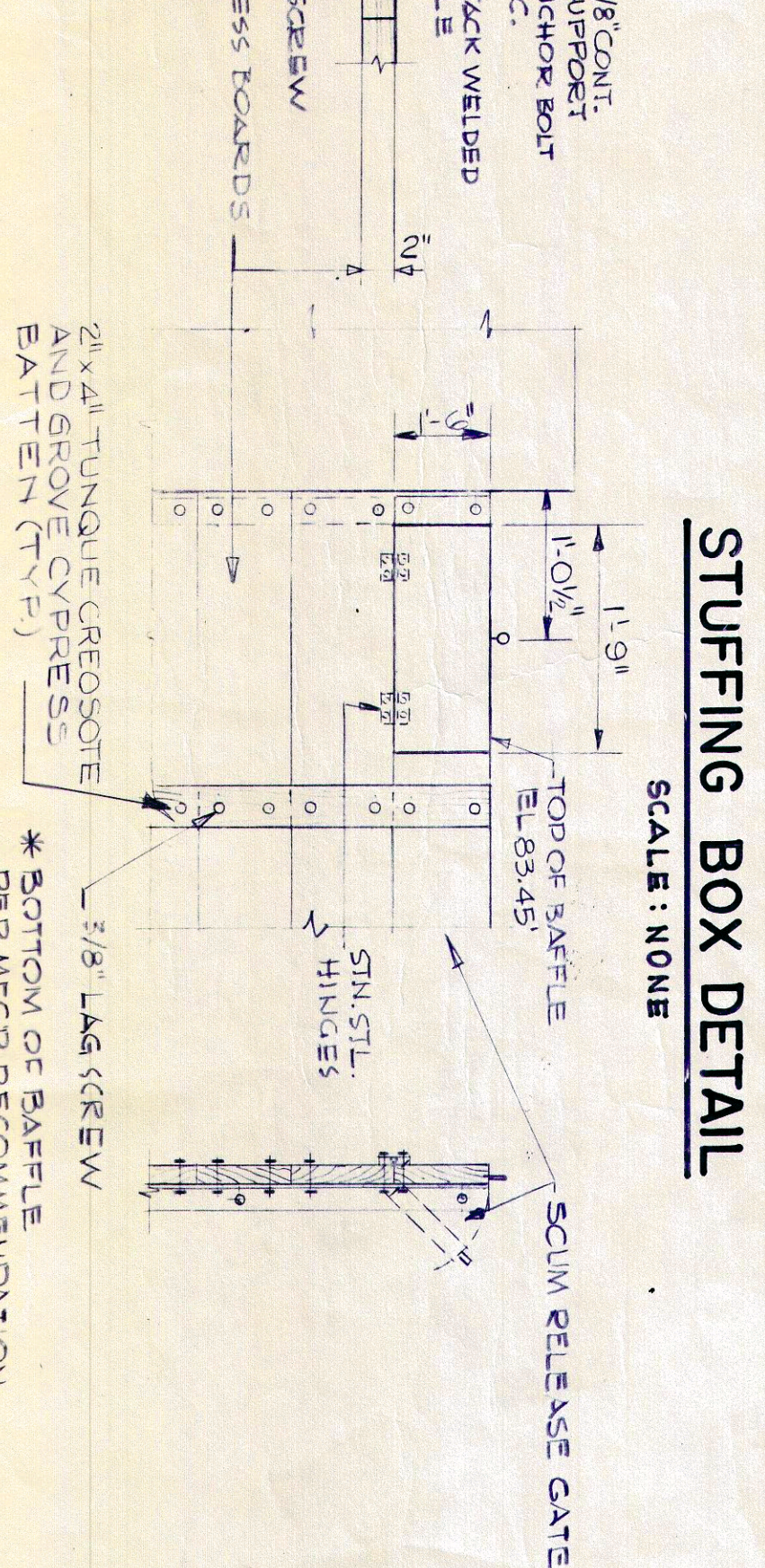
SECTIONAL VIEW

SCALE: NONE



HANGER BEARING DETAIL

SCALE: NONE



VALVE AND METER PIT NO.1

SCALE: 1/4" = 1'-0"

SCALE: NONE

AERATED GRIT CHAMBER
SECTIONS AND DETAILS

Scale: AS SHOWN	Date: NOV. 1982	DWG. NO. 2
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NOTE
1. FOR NOTES AND REFERENCES
SEE DWG. 202

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