

**GREATER NEW HAVEN WATER POLLUTION CONTROL AUTHORITY  
CWF 2017-01 CAPACITY UPGRADES AT EAST STREET PUMP STATION  
FOR CSO REDUCTION  
ADDENDUM NO. 1**

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**A. GENERAL**

1. Inclusion of this Addendum must be acknowledged by inserting its number on the appropriate page(s) of the Bid Forms. Failure to acknowledge any and all addenda in the above specified bid may be cause for rejection by the Owner on the grounds that it is non-responsive.
2. This Addendum is intended to summarize the Pre-Bid Meeting held at GNHWPCA Offices (260 East Street) and the East Street Pump Station (1 East Street) at 10:00 a.m. on October 10, 2024, answer questions received and identify modifications to the Contract Documents. The Pre-Bid Meeting Report and any items discussed during the meeting are not part of the Project Manual or Contract Documents. The Report is not binding and shall not be construed to have changed the Contract Documents. Any modifications to the Contract Documents are as detailed herein.

**B. PRE-BID MEETING**

1. All attendees signed in at the start of the meeting and the meeting agenda was distributed. Sign-In sheet and meeting agenda are included as Attachments to the Addendum.
2. Nick Stevens of GNHWPCA provided introductions and Vanessa McPherson of Arcadis recited the contents of the agenda. A site tour of the pump station site followed.

**ITEMS DISCUSSED DURING PRE-BID MEETING**

1. The criticality of Maintenance of Operations was stressed and it was requested that Bidders review and understand the requirements identified in the Contract Documents as well as the sequencing outlined. It was noted that modifications to the discharge header are required to connect the temporary pumping system. Requirements for temporary pumping were discussed. It was noted that the average pump station flow is 10-12 million gallons per day (mgd) and Total Dynamic Head is approximately 8-10 psi. The force main is shared with the Boulevard Pump Station, and that pump station operation impacts flow and pressure in the pipeline.
2. Contractor will be required to provide adequate laydown and staging areas as required to complete the work. GNHWPCA has initiated discussion with the adjacent property owner for use of the easement area on site.
3. Equipment procurement was discussed as related to long lead items and the required Mobilization Readiness schedule outlined in the Contract Documents.

4. GNHWPCA clarified the required timing for Payment Applications, with pencil copy due for Engineer review by the 7<sup>th</sup> of each month, and final version provided by the 15<sup>th</sup>.
5. Permits were reviewed and as noted in the Contract Documents, no soil stockpiling is allowed on site. Bidders should also review the Flood Contingency Plan and the requirements associated with the Flood Management Certification.
6. Supplemental Documents including geotechnical report and hazardous materials report have been made available to registered plan holders. These documents should be reviewed by all Bidders. Construction debris and material removed shall be disposed of in accordance with the Contract Documents.
7. CT DEEP provided sole source approval for bar screens, grit collection equipment and Programmable Logic Controllers. Variable Frequency Drives (VFDs) are not a sole sourced item.
8. The responsibility of the Process Control System Supplier (in Contract) and Application Engineering Support (by Engineer) were briefly reviewed.
9. Concrete repair and protective coatings are required at both the Operations Building wet well and Inlet Works channels.
10. CSO check valve installation is as detailed on the Contract Documents (Drawing Sheet M-701).
11. Approach for floodproofing was reviewed. Operations Building is to be dry floodproofed and Inlet Works is wet floodproofed. All critical equipment is to be located above the Design Flood Elevation.

**SUBMITTED QUESTIONS and REQUESTS FOR INFORMATION/CLARIFICATION:**

1. Question: Would you consider the Quadex I&I Guard Family as approved grouts per Section 03 01 30-5 Part 2.6?

Response: The Engineer will evaluate all “or equal” products in accordance with the Contract Documents. As stated in Article 10 of Section 00 21 13, Instructions to Bidders, “or equals” will not be evaluated during bidding.

2. Question: Section 23 74 24 doesn’t call out a specific airflow rate or have any other design criteria (contact time, vessel size, fan details, etc.). The only thing we can gather from this (based on the blurb that you want references on systems between 7,000 and 10,000 CFM), is that the airflow will be somewhere in that range. Can you please clarify the required CFM and or any other design criteria?

Response: The Contract Drawings specify sizes of the Odor Control vessels. Section 23 34 05 - Metallic HVAC Fans specifies the fan details of construction with additional details included on the Contract Drawings (e.g. fan performance criteria in the fan equipment schedule, airflow schematic, etc.).

3. Question: We would request that the bid opening time be pushed out to the either 1 or 2 PM as it becomes very difficult to receive proposals and pricing from the vendors especially ones in different time zones for the early bid times.

Response: Noted. Bid Opening Time has been updated to 2 PM local time as noted in the Addendum "Changes to General Instructions".

4. Question: Please provide a contact for the Fusco Corp. to review site access and staging availability.

Response: A contact for coordinating with the adjacent property will be provided to the successful bidder.

5. Question: Please confirm ductwork material type for from INW-EF-2 to INW-RV-1 on drawings H-201 and H-202 as they are not denoted on the drawings or the ductwork specifications.

Response: INW-EF-2 is serving the blower room. Ductwork shall be aluminum construction.

6. Question: Drawing C-102 has a note indicates remove/replace existing check valve and to see detail on sheet C-705. There is no detail of a check valve on that sheet. Please provide details for this work.

Response: Detail for check valve installation is shown on Sheet M-701 of the Contract Drawings. Reference on Sheet C-102 is updated with this Addendum.

7. Question: Table 01 14 16B- Shut down A – Clarify where this work is shown on the contract drawings.

Response: See new Sheet M-401. Also note that Junction Chamber 3 is on the West Side of the Harbor. Cover Sheet of the Contract Drawings has been updated accordingly.

8. Question: We noticed within the Spec for this Bid that within 2.1 Equipment Performance it's noted that these units will be fed by a conveyor belt, which of course means a type of dry feeding of the grit to the grit washer. But a little lower the Capacity is noted as 250 gpm as if the units are being fed with liquid flow. We need to know the true feed rate for these units in order to size the tank, 250 gpm is not applicable in this case. Can you please clarify this?

Response: Feed rate for grit washers is clarified in this Addendum.

9. Question: Drawing P-301 – Confirm floor drains and encased drain piping in the base slab are existing to remain.

Response: All floor drains and associated piping shall be replaced as shown.

10. Question: Drawing P-301 note 5 indicates floor drains are to be replaced. Please confirm which floor drains are to be replaced and please provide a detail for this.

Response: Floor drain details are as shown on Sheet P-701.

11. Question: Can we arrange an additional walk through at the site and if so who do we contact?

Response: Parties interested in site visits should send an email to GNHWPCA Engineering with specifics on desired dates and availability for confirmation.

12. Question: Drawing C-101 – Are record drawings of the influent junction chamber available? We are trying to determine if this structure is pile supported.

Response: Available record drawing is provided for reference.

13. Question: Perry Fiberglass Products, Inc. is requesting to be added to section part 2.2 A and B Manufacturers of specification 23 74 24 Odor Control System Vessels and FRP equipment manufacturer. Perry Fiberglass has been specified on previous odor control equipment specifications that were written by Arcadis. More importantly, Perry Fiberglass has worked with Vincent Vitale at Arcadis. In addition to having provided equipment on previous Arcadis projects we are a certified FRPI manufacturer.

Response: The Engineer will evaluate all “or equal” products in accordance with the Contract Documents. As stated in Article 10 of Section 00 21 13, Instructions to Bidders, “or equals” will not be evaluated during bidding.

**The following changes are hereby made part of and must be attached to the Project Manual and Contract Drawings:**

**C. CHANGES TO GENERAL INSTRUCTIONS**

1. Invitation to Construction. Note that the Bid Opening time on Thursday November 21<sup>st</sup>, 2024 has been revised to 2:00 PM Local Time.

**D. CHANGES TO TECHNICAL SPECIFICATIONS**

1. Section 46 23 27, Grit Washers; Paragraph 2.1.B.  
a. Replace 2.1.B.2 as follows, “Influent Material: Dewatered Grit”.  
b. Replace 2.1.B.3 as follows, “Grit Processing Capacity (cu. ft./hr.): 2-14”.

**E. CHANGES TO CONTRACT DRAWINGS**

1. Replace Drawing Cover Sheet (G-001) with attached version.
2. Sheet C-102. Revise the callout note referencing Check Valve Installation to reference Sheet M-701 in lieu of Sheet C-705.
3. Add Sheet M-401 to the set of Contract Drawings as attached to this Addendum.

**ATTACHMENTS:**

- A. Pre-Bid Meeting Agenda (4 Pages).
- B. Sign-In Sheet from Pre-Bid Meeting (2 Pages).
- C. Sheet G-001, Cover Sheet.
- D. Sheet M-401, Junction Chamber Equipment and Piping Plan and Section (1 Page).
- E. Record Information for Influent Junction Chamber (1 Page).

**END OF ADDENDUM NO. 1**

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**GREATER NEW HAVEN WATER POLLUTION CONTROL AUTHORITY  
CWF 2017-01 CAPACITY UPGRADE AT EAST STREET PUMP STATION  
FOR CSO REDUCTION  
Pre-Bid Conference Agenda**

Date: October 10, 2024  
Location: 260 East Street / 1 East Street New Haven, CT  
Time: 10:00 AM

**1. Introductions**

**2. Project Summary**

- |                            |  |
|----------------------------|--|
| a. Bid Date:               | Thursday November 21, 2024 at 10:00 AM   |
| b. Bid Documents:          | Reference set available at:<br><a href="https://gnhwpc.com/project/east-street-pump-station-upgrade-for-cso-reduction-project-no-cwf-2017-01/">https://gnhwpc.com/project/east-street-pump-station-upgrade-for-cso-reduction-project-no-cwf-2017-01/</a><br>Contractor must be a registered plan holder in order to bid. Plans available from GNHWPCA for a fee. |
| c. Bids to be held:        | 120 calendar days  |
| d. Bid security:           | Instructions to Bidders, Article 8   |
| e. Duration:               | 1,278 ccd (substantial); 1,460 ccd (final)   |
| f. Bonding:                | 100% Performance and Payment Bond<br>5% Warranty Bond due at Substantial Completion  |
| g. Prevailing Wage Rates:  | Yes, Davis Bacon   |
| h. DBE Requirements:       | 3% MBE; 5% WBE   |
| i. Liquidated Damages:     | \$2,500 per day beyond substantial completion;<br>\$1,000 per day following Substation Completion until remaining work complete  |
| j. Contract signing        | As specified in Section 20 of the Instructions to Bidders  |
| k. Insurance Requirements: | Per SC-6.03 with certificate of insurance provided prior to Contract execution.  |

**Other Procurement Items**

- Eligible Bidders must hold a current Contractor Prequalification Certificate in Sewer and Water Lines, Water Treatment Plants and General Building Construction (Group C) with current Update (Bid) Statement from the Connecticut Department of Administrative Services included with Bid.
- This project is subject to Connecticut Department of Energy and Environmental Protection (CTDEEP) funding requirements. This contract is being funded with monies made available by the Clean Water State Revolving Fund and/or Drinking Water State Revolving Fund that have statutory requirements commonly known as “American Iron and Steel” that requires all iron and steel products (as defined

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by these requirements) to be produced in the United States. This project is not subject to the requirements of the Build America, Buy America (BABA) Act.

**The project generally consists of the following:**

Capacity upgrades to the East Street Pump Station (ESPS) in support of the City of New Haven's Long Term Control Plan. A comprehensive upgrade of both the Inlet Works and Operations Building is included in the Work. The Work in the Inlet Works shall include concrete repair and protective coating, replacement of all existing gates, mechanical bar screens with washer-compactors, replacement of screenings conveyors and separation of the grit and screenings. New grit collection equipment, conveyance system and grit washers will be installed and grit blowers will be replaced. The Work in the Operations Building shall include concrete repair and protective coating, replacement of all gates, and replacement of pumps along with all support and ancillary systems (piping, valves, VFDs, controls). New second floor additions are included at both the Inlet Works and Operations Building for electrical and control equipment. Odor Control systems will also be replaced at both locations. In addition to work at the East St. Pump Station, air release valves shall be installed on the force main piping within Junction Chamber 3, which is located near 340 Chapel St, close to Interstate 95.

**3. Communication and Correspondence During Bidding**

The deadline for submitting questions is 12:00 noon on Friday, November 1st, 2024. Questions shall be submitted by email to [engineering@gnhwpc.com](mailto:engineering@gnhwpc.com) AND [vanessa.mcpherson@arcadis.com](mailto:vanessa.mcpherson@arcadis.com).

Only written questions will be answered, no phone calls will be accepted. Any questions asked during this pre-bid conference must also be submitted in writing prior to the deadline above. A formal answer will be issued via addendum to all bidders. Any informal answers provide during this pre-bid conference are not binding, unless included in writing in an addendum.

**4. PROJECT REQUIREMENTS**

- Progress Meetings (01 31 19.23)
  - Monthly progress meeting with all team members. Frequency of meetings may be adjusted based on construction activities.
- Coordination with Owner Operations (01 14 16)
  - Temporary pumping will be required to perform work. Required firm pumping capacity is established as a minimum of four 10 MGD pumps at all times (3 duty pumps and 1 standby pump).
  - Requirement to provide an maintain temporary screen when Inlet Works is out of service.

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- Standby power is required at all times for the Facility and any equipment in operation.
- If an unscheduled shutdown or interruption occurs as a result of the Contractor not complying with the Contract Documents, the Contractor will be responsible for any fines or penalties issued by authorities having jurisdiction.
- Schedule of Values (01 29 73) and Progress Schedule (01 32 16)
  - Approved schedule of values and progress schedule updates will be the basis for preparing each application for payment. Payment applications will not be paid until these have been accepted.
  - **Mobilization readiness schedule.** Contractor's on-site activities shall be limited to site reconnaissance and verifications until a Mobilization Readiness Schedule is submitted and accepted by the Owner. The Mobilization Readiness Schedule shall be prepared by the Contractor once firm delivery dates of critical path material are known and have been coordinated with associated construction activities.
- Submittals (01 33 00)
  - Submit preliminary schedule of submittals within ten days of Notice to Proceed.
- Progress Payment Procedures (01 29 76)
  - Applications for payment shall be in the form of EJCDC document C-620, "Contractor's Application for Payment (available on EJCDC website).
  - Review payment application with resident project representative, then submit to Engineer
  - Certified payrolls must be submitted for the contractor and any subcontractors with payment application
- Permit Requirements (01 41 24)
  - Contractor must comply with all notifications and conditions in permits obtained by Owner, including:
    - all requirements of the CTDEEP Flood Management Certification (FMC) Approval. No stockpiling of soils is permitted. Storage of any materials at the site which are buoyant, hazardous, flammable, explosive, soluble, expansive, radioactive, or which could in the event of a flood be injurious to human, animal or plant life, below the elevation of the five-hundred (500) year flood is prohibited.
    - all requirements of the New Haven City Plan Commission Coastal Site Plan Review, Flood Damage Prevention Ordinance Variance (including Site Plan Review, Soil Erosion and Sediment Control Plan Review, Coastal Site Plan Review, Stormwater Management Plan Review and Flood Plain Development Variance Review)
  - Contractor responsible for obtaining, paying all fees, complying with all conditions for any other permits or approvals required to perform the Work, including all local, State, Federal or other permits or approvals required. At a minimum, the following permits may be required for the Work:

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- Connecticut Department of Energy and Environmental Protection (CTDEEP), General Permit for the Discharge of Groundwater Remediation Wastewater, as applicable.
  - CTDEEP General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities, as applicable.
  - CTDEEP, General Permit for Contaminated Soil and/or Sediment Management (Staging and Transfer); follow best management practices in Section 5 of the permit, as applicable.
  - All permits required as per the City of New Haven Zoning Regulations, and/or Municipal Code besides those permit(s) already obtained by the OWNER, as applicable.
  - All permits required by the City of New Haven Building Department, including but not limited to Building Permits and Electrical Permits, the City of New Haven Engineering Department and/or Public Works, including but not limited to, any Engineering Permit(s), Excavation and/or Encroachment Permits.
- Code Required Special Inspections (01 45 33)
    - Contractor shall cooperate with the Coordinating Special Inspector, individual special inspectors, and testing agencies employed by OWNER, to facilitate Special Inspections
  - Field Offices for Contractor (01 52 13) and Engineer (01 52 11)
  - Project Record Documents (01 78 39)
    - Maintain record documents in Contractor's field office.
  - See reports provided with the bid documents and referenced in Supplementary Conditions:
    - SC-5.03, Geotechnical Information.
    - SC-5.06, regarding Hazardous Environmental Conditions at the site.

**5. Site Tour**

After the Pre-Bid Conference, prospective bidders will have the opportunity to tour the East St. Pump Station site. Hard hats shall be worn during this visit.

**6. Addenda**

Addenda are planned for this project as follows:

1. Sign in sheets from this pre-bid conference
2. Clarifications in response to written questions received
3. Other general changes to specifications and plans



CWF 2017-01

East Street Pump Station Upgrade for CSO Reduction

Thursday, October 10, 2024 @ 10:00 AM

Pre-Bid Attendance

NAME (Please Print)	COMPANY	EMAIL
JOHN T RUSSO	CH NICKERSON Co	JRUSSO@CHNICKERSON.COM
Bob Young	CH Nickerson Co.	byoung@chnickerson.com
DETZEK JACOBS	CH NICKERSON Co	djacobs@chnickerson.com
MIKE WINEZIMMER	CH Nickerson Co	MWINEZIMMER@CHNICKERSON.COM
Chris Chormanski	Sherwin-Williams Protective & Marine	christopher.m.chormanski@sherwin.com
Rick Goyette	Sherwin-Williams	rick.r.goyette@sherwin.com
Charlie Biggs	GNHWPCA	cbiggs@gnhwpcanet.com
MIKE HUIZDOS	United Rentals	MHUIZDOS1@UR.COM
Brian Anderson	United Rentals	banderson9@ur.com
Joseph Megale	GNHWPCA	Jmegale@gnhwpcanet.com
Dave Miller	NE Water	northeastwater@sbcglobal.net
Alan Levy	Arcadis	alan.levy@arcadis.com
Vanessa McPherson	Arcadis	vanessa.mcpherson@arcadis.com
TIM KONATZOTIS	SHERWOOD - LOGAN	T.KONATZOTIS@SHERWOODLOGAN.COM
TIM BEZLER	CARLSEN (COOPERON + EVOLVA)	TBEZLER@CARLSENSYSTEMS.COM
ROB CEWE	STAMFORD WRECKING CO.	Estimators@DemolitionServices.com
Chris Sheer	AST	CSHEER@ASTSOLUTIONS.NET
TOM GORZI	GNHWPCA	tggorzi@gnhwpcanet.com
John LaCortiglia	Sunbelt Pump Solutions	john.lacortiglia@sunbeltrentals.com





# GREATER NEW HAVEN WPCA

## CWF-2017-01

# CAPACITY UPGRADES AT EAST STREET PUMP STATION FOR CSO REDUCTION



**LOCATION MAP**

## AUGUST 2024

### BID SET

LEGAL ENTITY: ARCADIS U.S., INC.

#### **GNHWPCA BOARD OF DIRECTORS**

JOYCE ALTON	NEW HAVEN
ELAINE BRAFFMAN	NEW HAVEN
RUSSELL CYR	HAMDEN
KENNETH DAGLIERE	EAST HAVEN
SALVATORE DECOLA	NEW HAVEN
JEFFREY GINZBERG	WOODBIDGE
STEPHEN MONGILLO, CHAIRMAN	HAMDEN
RAYMOND POMPANO	EAST HAVEN
CLAYTON WILLIAMS, VICE-CHAIRMAN	NEW HAVEN

#### **EXECUTIVE DIRECTOR**

SIDNEY J. HOLBROOK

#### **DIRECTOR OF FINANCE AND ADMINISTRATION**

GABRIEL VARCA

#### **DIRECTOR OF OPERATIONS**

GARY ZRELAK

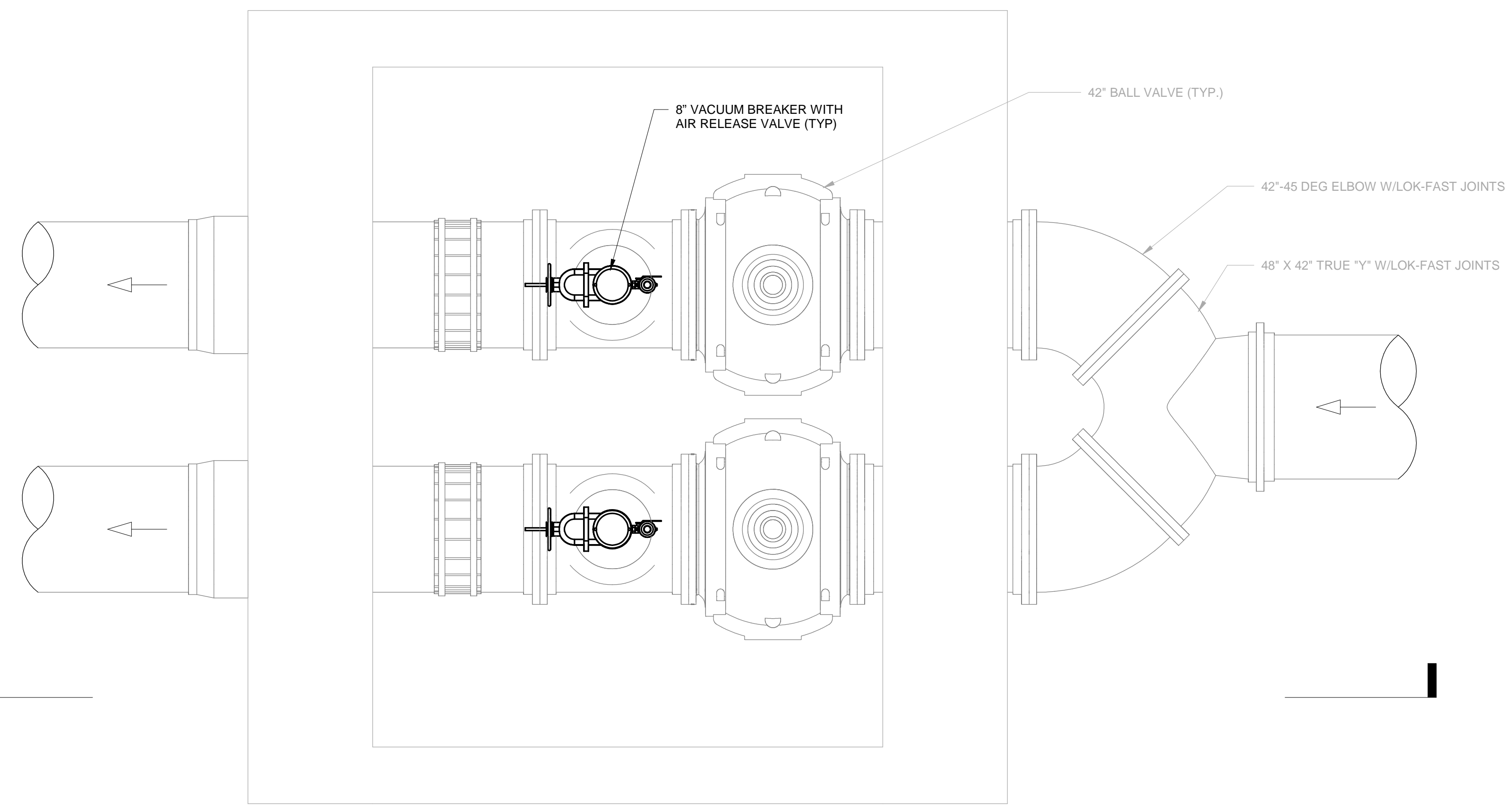
#### **DIRECTOR OF ENGINEERING**

THOMAS SGROI

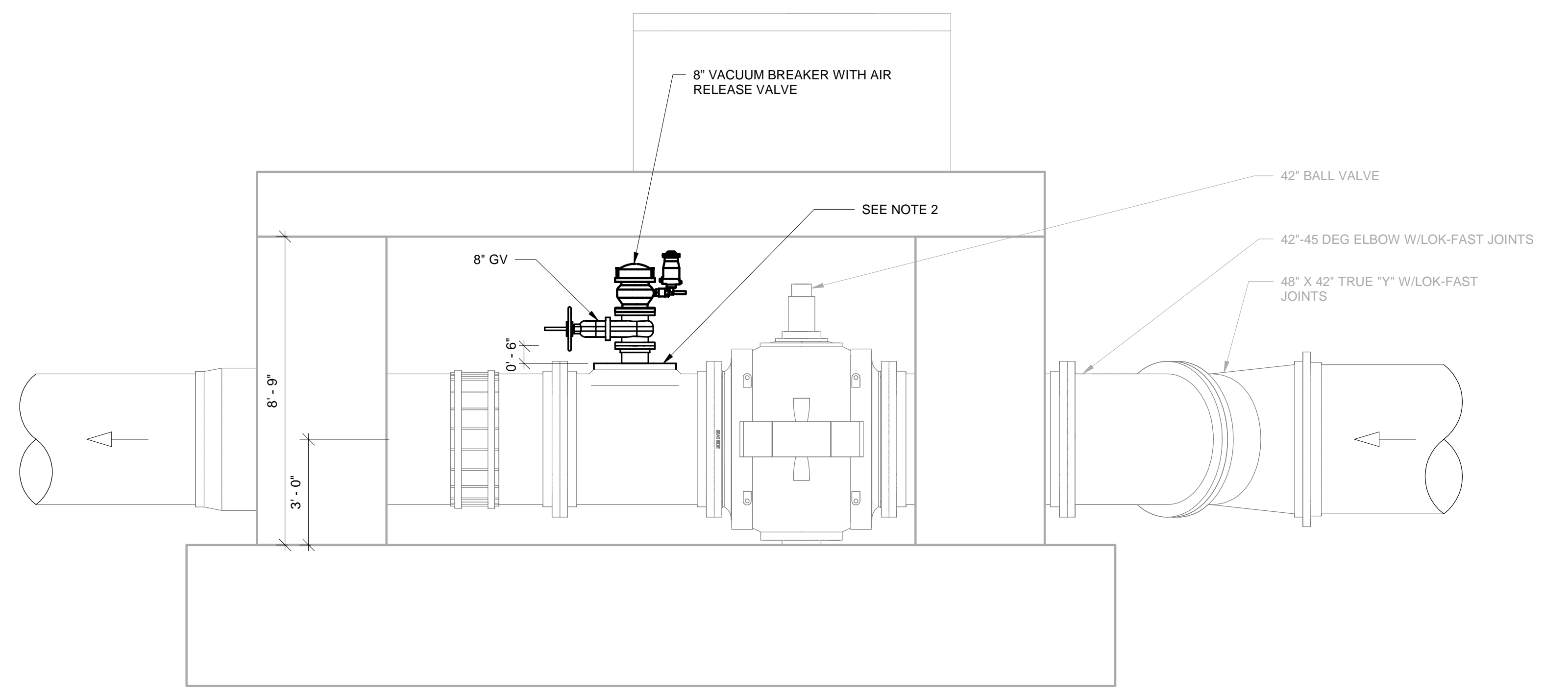


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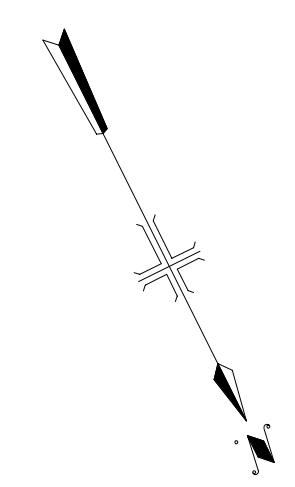


**PLAN**  
SCALE: 3/8" = 1'-0"



**1 SECTION**  
M-401 SCALE: 3/8" = 1'-0"

- NOTES:
1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, BOLT PATTERNS, AND PIPE SIZES PRIOR TO PROCUREMENT OF MATERIAL FOR THIS WORK
  2. REPLACE EXISTING 24-INCH BLIND FLANGES WITH NEW 24-INCH BLIND FLANGES TAPPED FOR 8-INCH THREADED DUCTILE IRON PIPE. COORDINATE WITH OWNER TO SHUT BALL VALVES PRIOR TO REMOVING BLIND FLANGES AT LEAST ONE OF THE HARBOR CROSSING PIPES SHALL REMAIN IN SERVICE AT ALL TIMES DURING COMPLETION OF THE WORK.
  3. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING SEWAGE FROM PIPE AS REQUIRED TO PERFORM WORK, AND THE CONTRACTOR SHALL CLEAN THE CHAMBER AFTER THE REPLACEMENT WORK AS BEEN COMPLETED.



Enter address here

CONSULTANTS:

SEALS:

GREATER NEW HAVEN WPCA



CAPACITY UPGRADES AT EAST STREET PUMP STATION FOR CSO REDUCTION

REVISIONS			
NO.	DATE	ISSUED FOR	BY

COPYRIGHT: ARCADIS U.S., INC. 2022

PROJECT STATUS: BID SET

ARCADIS PROJECT NO.: 30003039

DATE: AUGUST 2024

DESIGNED BY: A. LEVY

DRAWN BY: Y. NIMBARGIKAR

CHECKED BY: C. DUNN

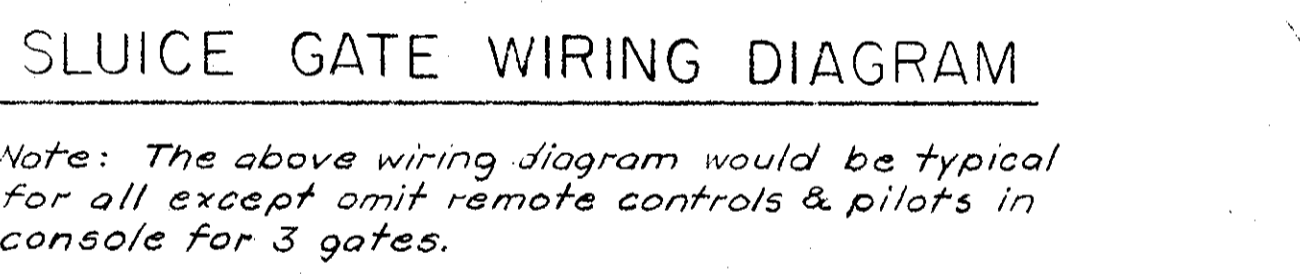
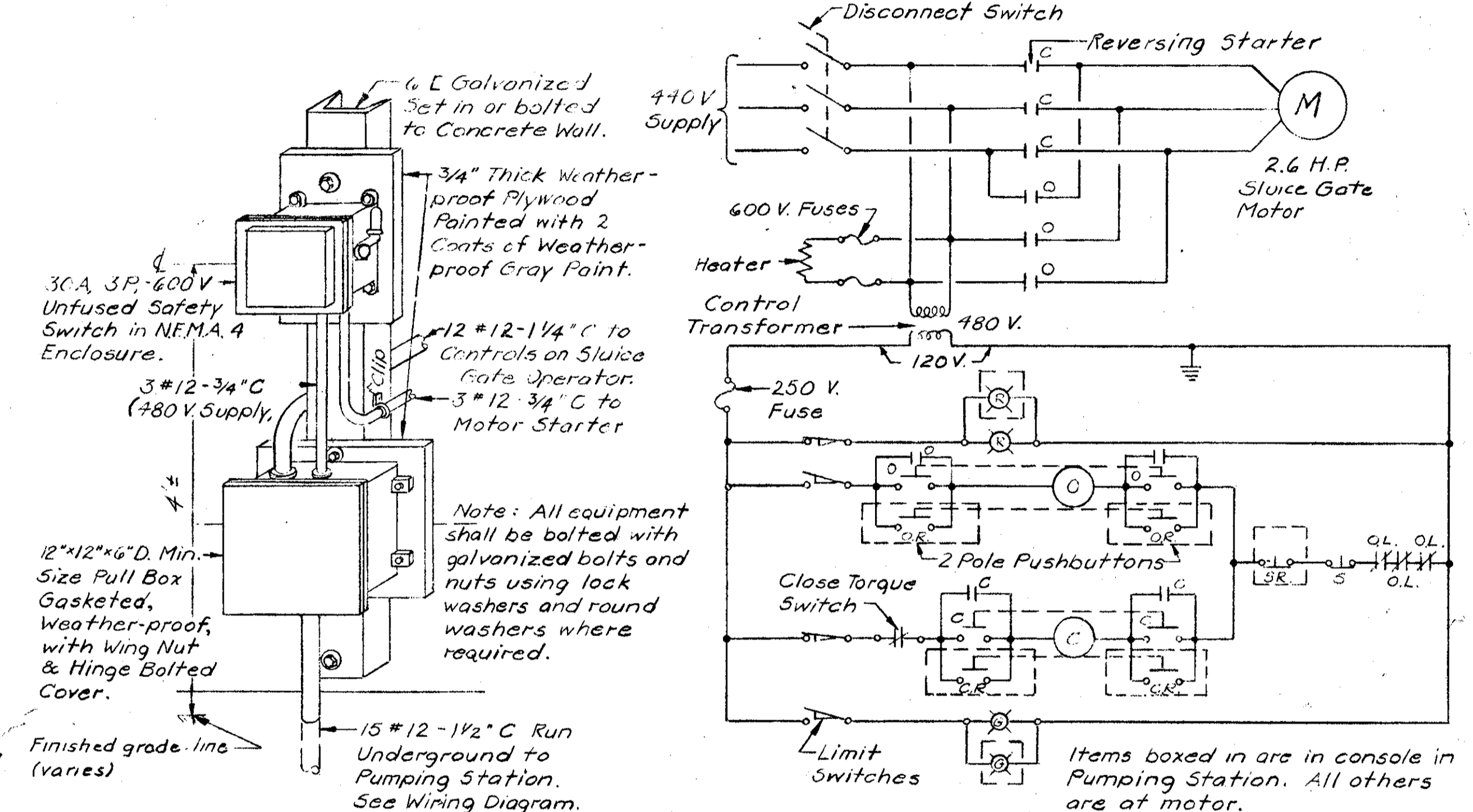
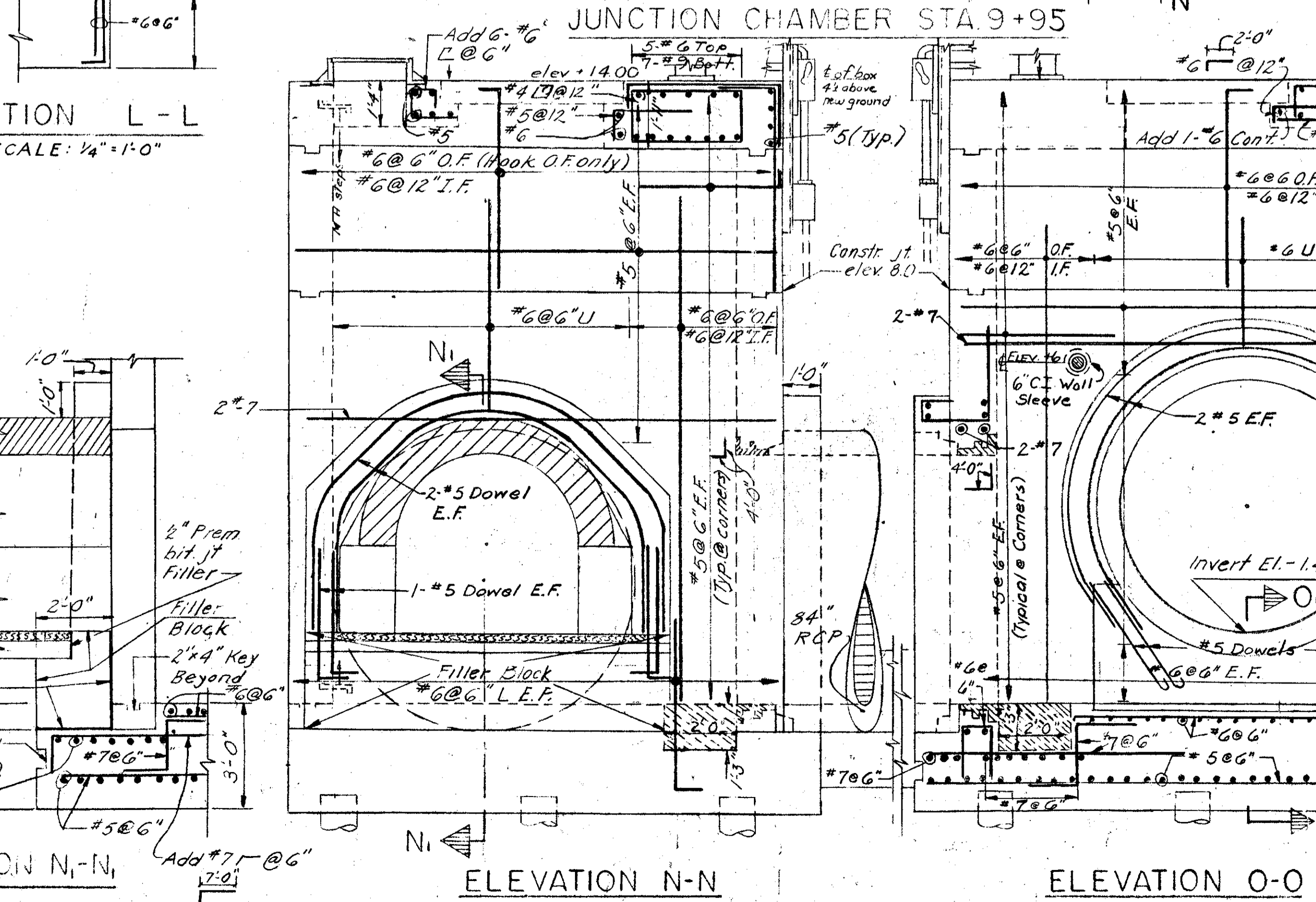
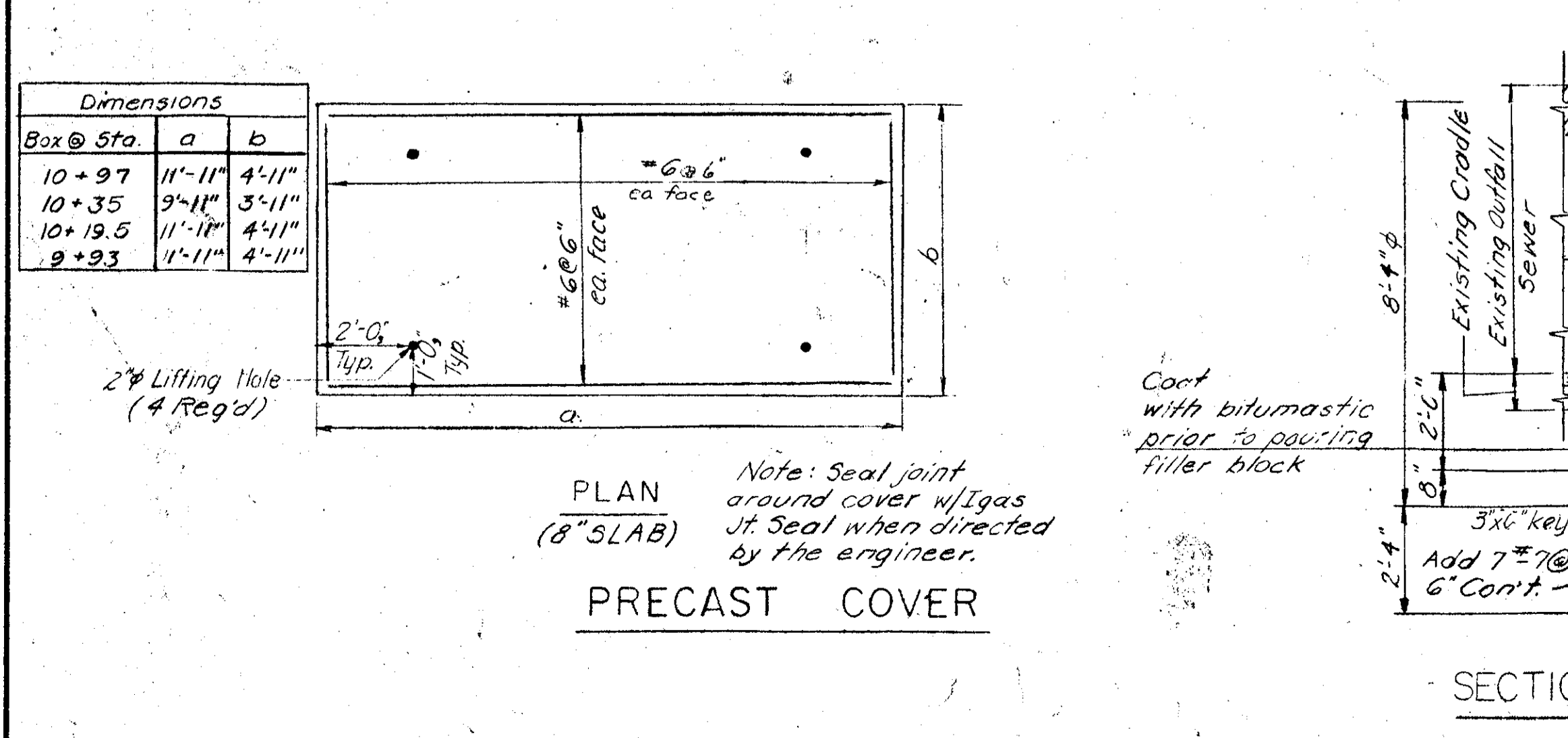
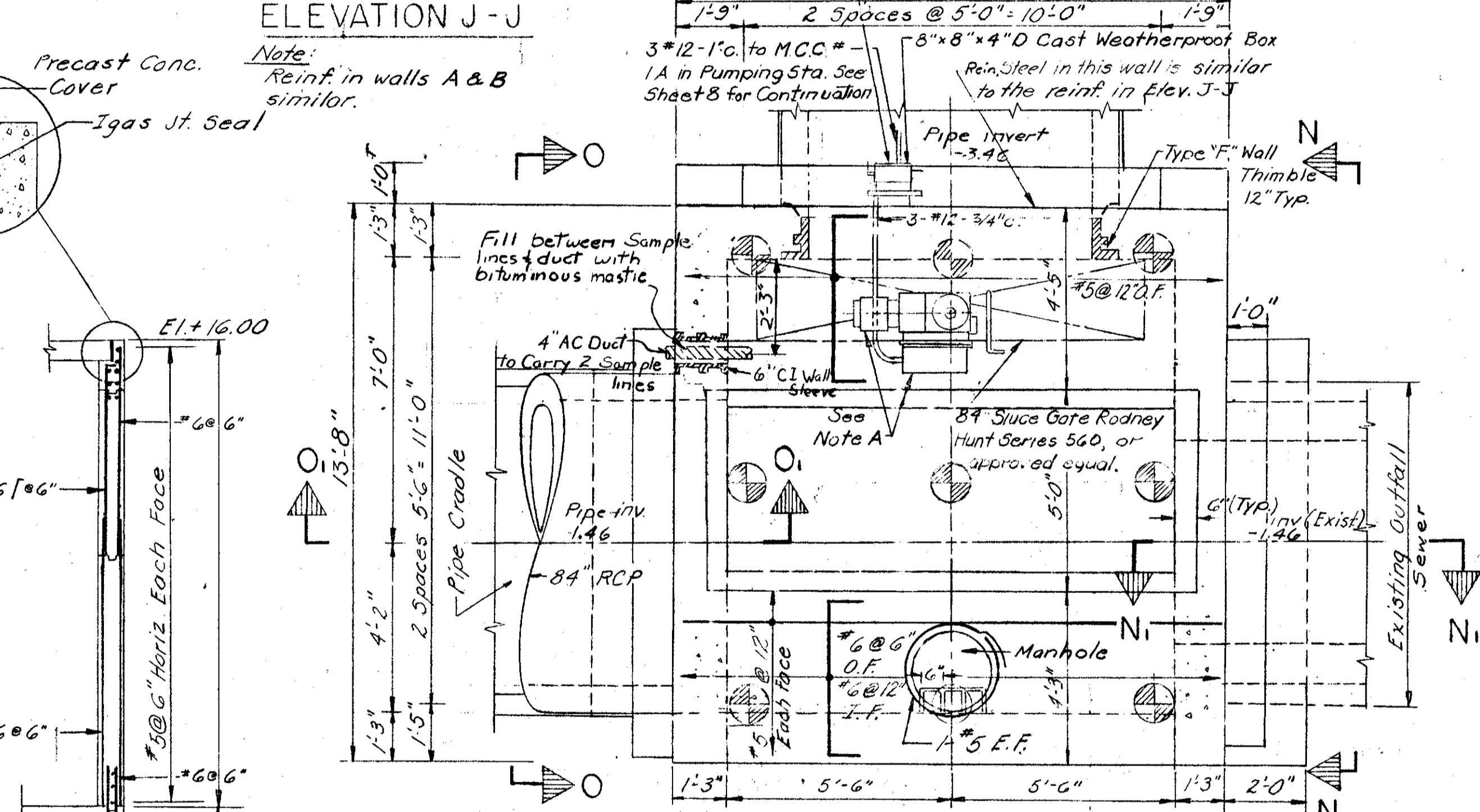
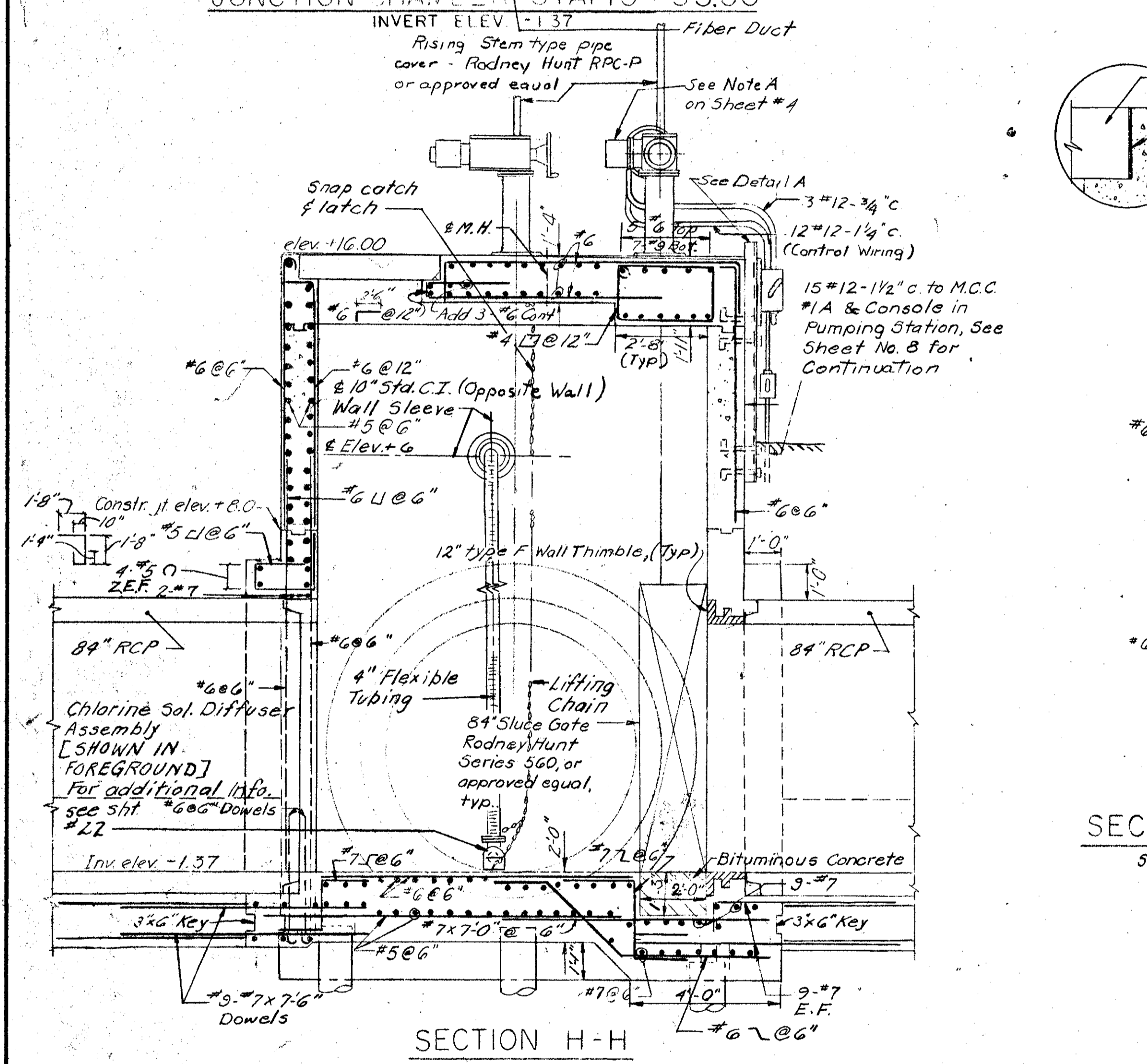
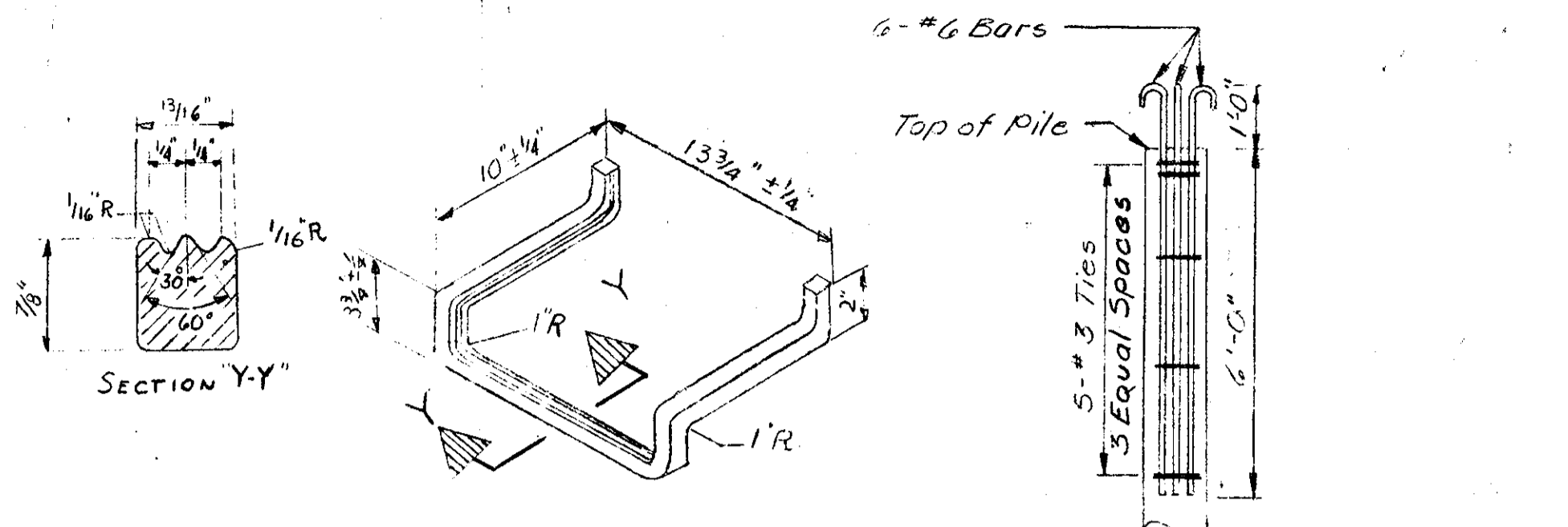
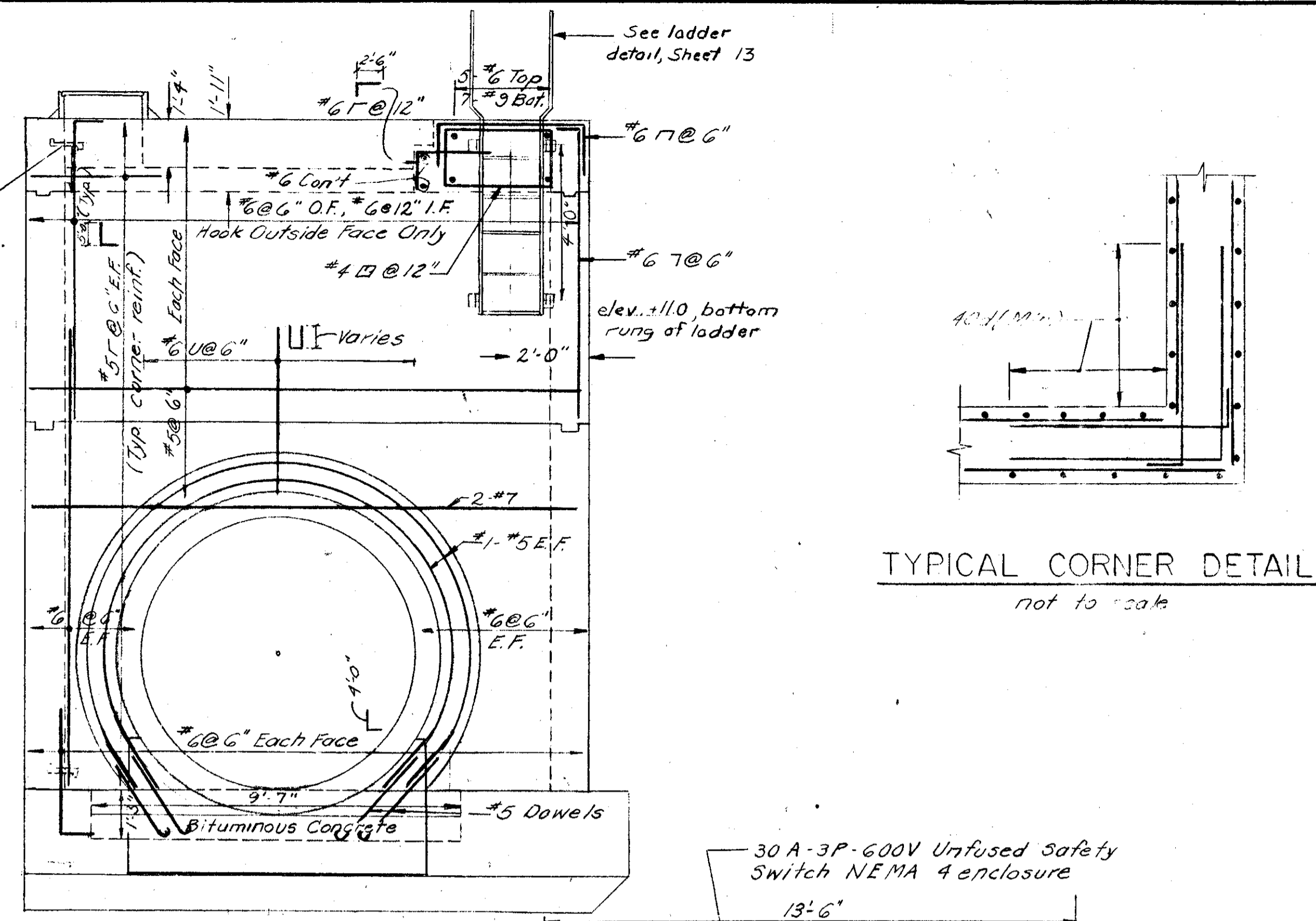
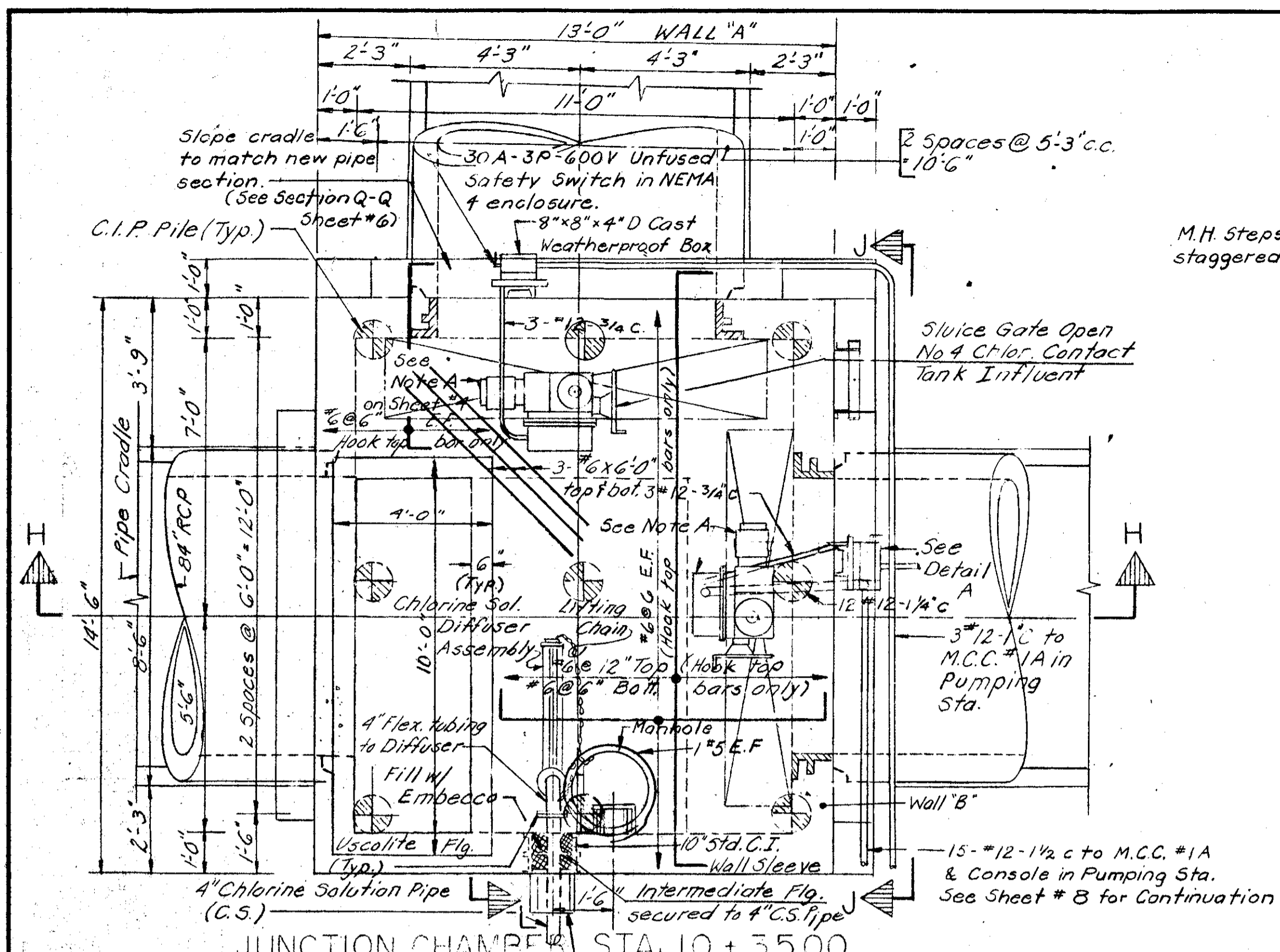
SHEET TITLE:

MECHANICAL  
JUNCTION CHAMBER 3

JUNCTION CHAMBER EQUIPMENT AND PIPING PLAN AND SECTION

SCALE: 3/8" = 1'-0"  
BAR IS ONE INCH ON UNREDUCED DRAWING

DRAWING NO.: M-401



Dimensions	a	b
Box @ Sta.		
10+97	11'-11"	4'-11"
10+35	9'-11"	5'-11"
10+19.5	11'-11"	4'-11"
9+93	11'-11"	4'-11"

CITY OF NEW HAVEN, CONNECTICUT  
 DEPARTMENT OF PUBLIC WORKS  
 BUREAU OF ENGINEERING

**RECONSTRUCTION OF EAST STREET SEWAGE DISPOSAL PLANT**

JUNCTION CHAMBERS  
 DETAILS - PART II

SCALE: 3/8"=1'-0" EXCEPT AS NOTED  
 AUG. 1964  
 GOODKIND & ODEA - FAY, SPOFFORD & THORNDIKE  
 HAMDEN, CONN. CONSULTING ENGINEERS  
 BOSTON, MASS.

DES. N.R.H. TR. C.K.T. FILE F.S.B.T. Jn-108  
 DR. H.W.M. CK. T. & NO. 5,80,202  
 APPROVED Edward A. Hambrick PLAN NO. 24

CONTRACT DRAWING SHEET NO. 5 OF 102