

**ADDENDUM NO. 2
TO THE
BIDDING DOCUMENTS
FOR
PRIMARY FILTRATION PROJECT (PHASE I)
CAPITAL PROJECT NO. 2022
FOR THE
FOUR RIVERS SANITATION AUTHORITY
ROCKFORD, ILLINOIS**

DATE: January 6, 2022

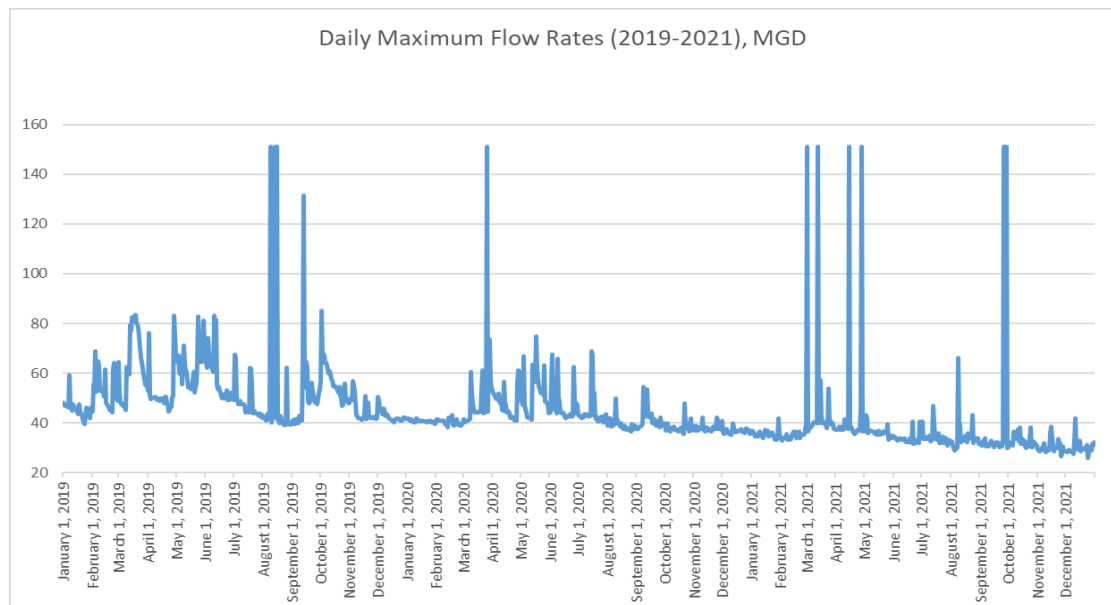
BIDS CLOSE: January 11, 2022 at 9:00 A.M., Local Time

This Addendum No. 2, dated January 6, 2022, to the Invitation to Bid: Primary Filtration Project Phase I, Capital Project No. 2022, bid opening January 11, 2022 at 9:00 A.M., supersedes all contrary and conflicting information in the above-mentioned instructions, specifications, and contract documents which are hereby supplemented or revised in certain particulars as follows:

I. General Information

1. The Four Rivers Sanitation Authority (FRSA) submits Addendum No. 2 to provide new information and to change existing information for potential bidders.
2. Existing plans for Primary Settling Tanks 3 and 4 (TPI-W 1958 Sheets 8 through 12) are attached to this Addendum No. 2 for reference purposes only.
3. Historical daily maximum flow rates included in this Addendum No. 2 (see graph below) is for reference only. The flows may not represent projected flows that the plant will experience during construction.

Per paragraph 1.02.F of SECTION 01 11 00, Contractor is responsible for the cost, installation and operation including all labor of all bypass pumping facilities and the fuel and/or electrical power cost to maintain a wastewater flow through all of the plant treatment processes impacted by the Work for a peak influent flow rate of up to 80 million gallons per day (MGD).



II. Clarifications:

1. Paragraph 3.12.2 Insurance of Instructions to Bidders: No additional flood insurance is required.
2. For Sections A and B on Drawing 5-S-04 (Sheet 64) and Section C on Drawing 5-S-05 (Sheet 65): Channel and areas under PFI Wet Well 1 and Stairwell 2 shall be filled with mud mat with a 1" minimum thickness.
3. All concrete for Area 4 – Primary Filter Distribution Box and Area 5 - Primary Filtration Facility per SECTION 03 30 00, and Area 6 – Primary Tank Outlet Structure and Former Primary Tank Bypass Structure per Addendum 1 shall include a waterproofing admixture per SECTION 03 30 00.

III. The following are revisions to the Specifications:

1. The following revisions shall be made to BID FORM OR PROPOSAL:
 - A. Delete the Bid Form or Proposal in its entirety and replace with attached Bid Form or Proposal.
2. The following revisions shall be made to SECTION 00 73 00 – SUPPLEMENTARY CONDITIONS:
 - A. Add the following to the end of subparagraph 4.05.C.5:

“6. Unusual Delays in Deliveries

If the Contractor experiences an unusual delay in deliveries and the delay is beyond the control of the Contractor, the Contractor shall notify the Owner in writing within (7) calendar days after the Contractor becomes aware of the delay. The Contractor shall use commercially reasonable and good faith efforts to avoid or mitigate the effect of any delay. The Contractor may request an adjustment in the Contract Time provided that the Contractor can demonstrate on the construction progress schedule that the delay will require an extension of the progress schedule critical path. The Owner shall have the right to require the Contractor to substantiate all claims for extensions to the Contract Time in a form and level of detail that is reasonably acceptable to Owner. Failure to provide timely notice as required by this subsection shall be deemed a waiver of Contractor’s right to a change order.”
3. The following revisions shall be made to SECTION 01 11 00 – SUMMARY OF WORK:
 - A. Page 01 11 00-4, delete subparagraph 1.02.G.4.
 - B. Page 01 11 00-4, delete and replace subparagraph 1.02.G.5 with the following:

“5. Construct stop logs at north end of Primary Influent Channel for PST 1 and 2 (See Drawing 4-R-01 for location) and temporarily plug two (2) 11.5-inch x 7-foot inlet ports for PST 1 north of the stop logs to isolate proposed work at north end of Primary Influent Channel and allow bypass pumping into Primary Influent Channel.”
 - C. Page 01 11 00-5, subparagraph 1.02.G.8.b):

Delete and replace the 1st sentence with “Remove temporary 42” plug in Primary Filtration Facility 1 and 60” temporary plug at the Primary Tank Outlet Box.”

4. The following revisions shall be made to SECTION 03 30 00 – CAST-IN-PLACE CONCRETE:
 - A. Page 03 30 00-11, add the following to the end of the sentence of subparagraph 3.08.C.2:

“, including all exposed bug holes.”
5. The following revisions shall be made to SECTION 04 73 23 – CALCIUM SILICATE MASONRY UNITS:
 - A. Page 04 73 23-3, add the following to subparagraph immediately after 2.01.B:

“C. Color Stain (Calcium Silicate Masonry Units): Special penetrating stain mix as provided by manufacturer, shall achieve color variations present in the natural stone being simulated for this project. Stain shall create a surface finish that is breathable (allowing water vapor transmission), and that resists deterioration from water, acid, alkali, fungi, sunlight or weathering. Stain mix shall be a water borne, low V.O.C. material, less than 180 grams per liter, and shall meet requirements for weathering resistance of 2000 hours accelerated exposure measured by weathertural stone being simulated for this project, as required by Engineer as referenced in DESIGN REQUIREMENTS. Color stain shall be applied by manufacturer or manufacturer’s authorized representative.

 1. Acceptable Manufacturer:
 - a. H&C Infusion Water-Based Semi-Transparent Decorative Concrete Stain by Sherwin-Williams or equal.
 2. Stain Colors:
 - a. Stain color at calcium silcate masonry units shall match Sherwin-Williams Color Sealskin SW7675.
 - D. Stain Sealer: Topcoat with low odor, water-based formula breathable sealer.
 1. Acceptable Manufacturer:
 - a. H&C ClariShield Water-Based Wet Look Sealer by Sherwin-Williams or equal.”
 - B. Page 04 73 23-5, add the following after paragraph 3.03 FIELD QUALITY CONTROL:

“3.04 SPECIAL TECHNIQUES – APPLYING COLOR STAIN AND SEALER SYSTEM

 - A. All Simulated Stone surfaces that are to be stained and any tuckpointing that has been done in these areas shall be at least 30 days old.
 - B. Clean surface prior to application of stain materials to assure that surface is free of latency, dirt, dust, grease, efflorescence, paint, or other foreign material, following manufacturer’s instructions for surface preparation. Do not sandblast. Preferred method to remove latency is pressure washing with water, minimum 3000 pounds per square inch (a rate of three to four gallons per minute), using fan nozzle perpendicular to and at a distance of one or two feet from surface. Completed surface shall be free of blemishes, discoloration, surface voids and unnatural form marks.
 - C. Apply clear concrete sealer in accordance with manufacturer’s instructions.”
 - C. Page 04 73 23-5, delete and replace “3.04 CLEANING” with “3.05 CLEANING”

- D. Page 04 73 23-5, delete and replace "3.05 PROTECTION" with "3.06 PROTECTION"
6. The following revisions shall be made to SECTION 31 10 00 – SITE CLEARING:
- A. Page 31 10 00-2, delete subparagraph 3.02.D and replace with the following:
- "D. Dispose of removed items, unless otherwise noted. Conform to requirements of Section 01 35 16."
7. The following revisions shall be made to SECTION 31 22 00 – GRADING:
- A. Page 31 22 00-5, delete subparagraphs 3.09.A and 3.09.B.
- B. Page 31 22 00-5, delete the words "not required by Owner" from the 1st sentence of subparagraph 3.09.C.
8. The following revisions shall be made to SECTION 31 23 00 – EXCAVATION AND FILL:
- A. Page 31 23 00-1, delete subparagraph 1.01.B.
- B. Page 31 23 00-5, delete subparagraph 3.09.A.
- C. Page 31 23 00-5, delete the words "not required by Owner" from the 1st sentence of subparagraph 3.09.B.
9. The following revisions shall be made to SECTION 31 23 33 – TRENCHING AND BACKFILL:
- A. Page 31 23 33-7 through 31 23 33-8, delete subparagraphs 3.09.B and 3.09.C.
- B. Page 31 23 33-8, delete the words "not required by Owner" from the 1st sentence of subparagraph 3.09.D.
10. The following revisions shall be made to SECTION 43 23 57 – PROGRESSIVE CAVITY PUMP EQUIPMENT:
- A. Page 43 23 57-6, delete subparagraph 3.03.A.1.a and replace with the following:
- "a. A total of three (3) man-days in three (3) separate trips for Installation, Instructional and Post Start-Up services."
11. The following revisions shall be made to SECTION 43 23 78 – DOUBLE DISC PUMPING EQUIPMENT:
- A. Page 43 23 78-5, delete subparagraph 3.03.A.1.a and replace with the following:
- "a. A total of three (3) man-days in three (3) separate trips for Installation, Instructional and Post Start-Up services."
12. The following revisions shall be made to SECTION 43 25 13 – SUBMERSIBLE CENTRIFUGAL PUMP:
- A. Page 43 25 13-4, delete subparagraph 2.02.A.3 and replace with the following:
- "2.02.A.3 Impeller: ASTM A-532 (Alloy IIIA) 25% chrome cast iron or cast iron, ASTM A45, Class 35B with the surfaces of the entire impeller hardened to minimum 450 Brinell."

IV. The following are revisions to the Drawings:

1. Sheet No. 16, Drawing 1-E-05:
 - A. Revise one-line diagram tag for circuit 38,40,42 from "PFS-SPD-1" to "SPD-100".
2. Sheet No. 48, Drawing 4-R-01:
 - A. Delete the entire drawing and replace with the attached Sheet No. 48.
3. Sheet No. 54, Drawing 4-M-02:
 - A. Section A, delete and replace "PSCG-1" with "PTCG-1".
4. Sheet No. 61, Drawing 5-S-01:
 - A. Delete the entire drawing and replace with the attached Sheet No. 61.
5. Sheet No. 62, Drawing 5-S-02:
 - A. Delete the entire drawing and replace with the attached Sheet No. 62.
6. Sheet No. 63, Drawing 5-S-03:
 - A. Delete the entire drawing and replace with the attached Sheet No. 63.
7. Sheet No. 65, Drawing 5-S-05:
 - A. Section C, delete leader for CLASS B FIBER REINFORCED FILL in PFE Channel 1.
 - B. Section C, delete "LP AT CONC TRENCH" call out.
8. Sheet No. 68, Drawing 5-S-08:
 - A. Section H, delete leaders for CLASS B FIBER REINFORCED FILL in PFE Channel 1.
9. Sheet No. 146, Drawing 10-A-01:
 - B. Delete the entire drawing and replace with the attached Sheet No. 146.

This information shall be taken into consideration by bidders when preparing the bid. Bidders shall acknowledge all project addenda on the proposal form. This addendum and attachments will be emailed to all plan holders as well as posted on the FRSA's website at <https://fourrivers.illinois.gov/>.

Donohue & Associates, Inc.
Chicago Illinois



Kam P. Law, PE

END OF ADDENDUM NO. 2

Issued January 6, 2022

Four Rivers Sanitation Authority

Christopher T. Baer, PE
Director of Engineering

Bid Form or Proposal



Proposal of _____ (hereinafter called "BIDDER"), organized and existing under the laws of the State of _____ doing business as _____ (Insert "a corporation" or "a partnership" or "an individual" as applicable) to the Four Rivers Sanitation Authority (hereinafter called "OWNER").

In compliance with your Advertisement for Bids, BIDDER hereby proposes to perform all WORK for the construction of Primary Filtration Project Phase I, Capital Project No. 2022, IEPA Project No. L17-5882, in strict accordance with the CONTRACT DOCUMENTS, within the time set forth therein, and at the prices stated below.

BIDDER hereby agrees to commence WORK under this contract on or before a date to be specified in the NOTICE TO PROCEED and to fully complete in **597 calendar days** from NOTICE TO PROCEED. BIDDER further agrees to pay as liquidated damages, the sum of **\$1,000.00** for each consecutive calendar day thereafter.

BIDDER accepts all of the terms and conditions of the Official Notice to Bidders and Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. BIDDER has not added any conditions or qualifying statements to the Bid. The Bid will remain subject to acceptance for the bid withdrawal time stated in the Official Notice to Bidders, or for such longer period of time that BIDDER may agree to in writing upon request of OWNER. BIDDER will sign and deliver the required number of counterparts of the Agreement with the Bonds, evidence of insurance coverage, and other documents required by the Bidding Requirements within 15 days after the date of OWNER's Notice of Award.

BIDDER certifies that all iron and steel products used in the project for the construction, alteration, maintenance, or repair of a public water system are produced in the United States in compliance with Section 436. (a) – (f) of H.R. 3547, "The Consolidated Appropriation Act, 2014."

BIDDER certifies the following:

- (I) By submission of the bid, each bidder certifies, and in the case of a joint bid, each party certifies as to his own organization, that in connection with the bid:
 - (i) The prices in the bid have been arrived at independently, without consultation, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other bidder or with any competitor;
 - (ii) Unless otherwise required by law, the prices which have been quoted in the bid have not knowingly been disclosed by the bidder, prior to opening, directly or indirectly to any other bidder or to any competitor; andNo attempt has been made or will be made by the bidder to induce any other person or firm to submit or not to submit a bid for the purpose of restricting competition.
- (II) Each person signing the bid shall certify that:
 - (i) He is the person in the bidder's organization responsible within that organization for the decision as to the prices being bid and that he has not participated, and will not participate, in any action contrary to (I)(i) through (I)(iii) above; or

- (ii) He is not the person in the bidder's organization responsible within that organization for the decision as to the prices being bid but that he has been authorized to act as agent for the persons responsible for such decision in certifying that such persons have not participated, and will not participate, in any action contrary to (I)(i) through (I)(iii) above, and as their agent shall so certify; and shall also certify that he has not participated, and will not participate, in any action contrary to (I)(i) through (I)(iii) above.

In submitting this Bid, BIDDER represents, as set forth in the Agreement, that:

- (I) BIDDER has examined and carefully studied the Bidding Documents, the other related data identified in the Bidding Documents, and the following Addenda, receipt of all which is hereby acknowledged.

<u>Addendum No.</u>	<u>Addendum Date</u>
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

- (i) BIDDER has visited the Site and become familiar with and is satisfied as to the general, local and Site conditions that may affect cost, progress, and performance of the Work.
- (ii) BIDDER is familiar with and is satisfied as to all federal, state and local Laws and Regulations that may affect cost, progress and performance of the Work.
- (iii) BIDDER has carefully studied all: (1) reports of explorations and test of subsurface conditions at or contiguous to the Site and all drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the site (except Underground Facilities), if any, that have been identified in Paragraph 5.03 of the Supplementary Conditions as containing reliable Technical Data, and (2) reports and drawings of Hazardous Environmental Conditions, if any, at the Site that have been identified in Paragraph 5.06 of the Supplementary Conditions as containing reliable Technical Data.
- (iv) BIDDER has considered and correlated the information known to the BIDDER; information commonly known to bidders doing business in the locality of the Site; information and observations obtained from visits to the Site; the Contract Documents; and all additional or supplementary examinations, investigations, explorations, tests, studies, and data with respect to the effect of such information, observations, and documents on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, including any specific means, methods, techniques, sequences, and procedures of construction expressly required by the Contract Documents; and (3) BIDDER's safety precautions and programs.
- (v) BIDDER does not consider that any further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at

the price(s) bid and within the times and in accordance with the other terms and conditions of the Bidding Documents.

- (vi) BIDDER is aware of the general nature of work to be performed by OWNER and others at the Site that relates to the Work as indicated in the Bidding Documents.
- (vii) BIDDER has given ENGINEER written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and confirms that the written resolution thereof by ENGINEER is acceptable to BIDDER.
- (viii) The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance of the Work for which this Bid is submitted.
- (ix) The submission of this Bid constitutes an incontrovertible representation by BIDDER that BIDDER has complied with every requirement of this Article, and that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.
- (x) In accordance with Section 215 of the Clean Water Act (33 U.S.C. 1251 et seq.) and implementing EPA regulations, BIDDER agrees that the Contractor, Subcontractors, and suppliers in the performance of this Contract will give preference to domestic construction materials.

BIDDER certifies that wages paid in connection with the PROJECT shall be paid at prevailing rates not less than those prevailing under the Davis-Bacon Wage Act. Bidder further certifies that the provisions contained in the following clauses will be exercised in the performance of any contract resulting from this BID and are made a part of the CONTRACT DOCUMENTS thereto by their inclusion in the BID as follows:

(1) Minimum wages

- (i) All laborers and mechanics employed or working upon the site of the work, will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics. Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph (a)(1)(iv) of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work performed, without regard to skill, except as provided in §5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein; Provided, that the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination

(including any additional classification and wage rates confirmed under paragraph (a)(1)(ii) of this section) and the Davis Bacon poster (WH-1321) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers. Sub-recipients may obtain wage determinations from the US Department of Labor's website, <http://beta.sam.gov/>.

(ii)

- (A) The sub-recipient, on behalf of the USEPA, shall require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. The USEPA award official shall approve an additional classification and wage rate and fringe benefits therefore only when the following criteria have been met:
 - (1) The work to be performed by the classification requested is not performed by a classification in the wage determination; and
 - (2) The classification is utilized in the area by the construction industry; and
 - (3) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.
 - (B) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the sub-recipient agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the sub-recipient to IEPA. IEPA shall forward the report to the Administrator of the Wage and Hour Division, US Department of Labor, Washington, DC 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise IEPA or will notify IEPA within the 30-day period that additional time is necessary.
 - (C) In the event the contractor, the laborer or mechanics to be employed in the classification or their representatives, and the sub-recipient do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), IEPA shall refer the questions, including the views of all interested parties and the recommendation of the sub-recipient, to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise IEPA or will notify IEPA within the 30-day period that additional time is necessary.
 - (D) The wage rate (including fringe benefits where appropriate) determined pursuant to paragraphs (a)(1)(ii)(B) or (C) of this section, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.
- (iii) Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program. Provided, that the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis Bacon Act have been met. The Secretary of Labor may require the contractor to set aside, in a separate account, assets for the meeting of obligations under the plan or program.

(2) Withholding.

The sub-recipient shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld from the contractor under this contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to Davis Bacon prevailing wage requirements, which is held by the same prime contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of the work, all or part of the wages required by the contract, the sub-recipient may, after written notice to the contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

(3) Payrolls and basic records

- (i) Payrolls and basic records relating thereto shall be maintained by the contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in section 1(b)(2)(B) of the Davis Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis Bacon Act, the contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.
- (A) The contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to the sub-recipient. Such documentation shall be available upon request of IEPA or USEPA. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i), except that full social security numbers and home addresses shall not be

included on weekly transmittals. Instead the payrolls shall only need to include an individually identifying number for each employee (e.g., the last four digits of the employee's social security number). The required weekly payroll information may be submitted in any form desired. Optional Form WH-347 is available for this purpose from the Wage and Hour Division Website [<https://www.dol.gov/agencies/whd/government-contracts/construction/payroll-certification>]. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors. Contractors and subcontractors shall maintain the full social security number and current address of each covered worker and shall provide them upon request to the sub-recipient, for transmission to the IEPA, USEPA, the contractor, or the Wage and Hour Division of the Department of Labor for purposes of an investigation or audit of compliance with prevailing wage requirements. It is not a violation of this section for a prime contractor to require a subcontractor to provide addresses and social security numbers to the prime contractors for its own records, without weekly submission to the sub-recipient.

- (B) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor or his or her agent who pays or supervises the payment of persons employed under the contract and shall certify the following:
 - (1) That the payroll for the payroll period contains the information required to be provided under §5.5 (a)(3)(ii) of Regulations, 29 CFR part 5, the appropriate information is being maintained under §5.5 (a)(3)(i) of Regulations, 20 CFR part 5, and that such information is correct and complete;
 - (2) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in Regulations, 29 CFR part 3;
 - (3) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.
- (C) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph (a)(3)(ii)(B) of this section.
- (D) The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under section 1001 of title 18 and section 231 of title 31 of the United States Code.
- (iii) The contractor or subcontractor shall make the records required under paragraph (a)(3)(i) of this section available for inspection, copying, or transcription by authorized representatives of IEPA, USEPA, or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, the Federal agency may, after written notice to the contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds.

Furthermore, failure to submit the required records upon request or to make sure records available may be grounds for debarment action pursuant to 29 CFR 5.12.

(4) Apprentices and trainees

- (i) Apprentices. Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the US Department of Labor, Employment and Training Administration, Office of Apprenticeship Training, Employer and Labor Services, or with a State Apprenticeship Agency recognized by the Office, or if a person is employed in his or her first ninety (90) days of probationary employment as an apprentice in such apprenticeship program, who is not individually registered in the program, but who has been certified by the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice. The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid no less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratio and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the contractor's or subcontractor's registered program shall be observed. Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeyman's hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid in the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination. In the event the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency recognized by the Office, withdraws approval of an apprenticeship program, the contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.
- (ii) Trainees. Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by form certification by the US Department of Labor, Employment and Training Administration. The ratio of trainees to journeyman on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration. Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainees program. If the trainee program does not

mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. In the event the Employment and Training Administration withdraws approval of a training program, the contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

- (iii) Equal Employment Opportunity. The utilization of apprentices, trainees, and journeyman under this part shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR part 30.
- (5) Compliance with Copeland Act Requirements. The contractor shall comply with the requirements of 29 CFR part 3, which is incorporated by reference in this contract.
- (6) Subcontracts. The contractor or subcontractor shall insert any subcontracts the clauses contained in 29 CFR 5.5(a)(1) through (10) and such other clauses as the USEPA may be appropriate instruction require, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in 29 CFR 5.5
- (7) Contract Termination: Debarment. A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.
- (8) Compliance with Davis Bacon and Related Act Requirements. All rulings and interpretations of the Davis Bacon and Related Acts contained in 29 CFR 1, 3, and 5 are herein incorporated by reference in this contract.
- (9) Disputes Concerning Labor Standards. Disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the US Department of Labor, or the employees or their representatives.
- (10) Certification of Eligibility.
 - (i) By entering into this contract, the contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis Bacon Act or 29 CFR 5.12(a)(1).
 - (ii) No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis Bacon Act or 29 CFR 5.12(a)(1).

- (iii) The penalty for making false statements is prescribed in the US Criminal Code, 18 USC 1001.

Contract Provision for Contracts in Excess of \$100,000 – clauses (1) through (4) shall be inserted in full in any contract in excess of \$100,000 and subject to the overtime provisions of the Contract Work Hours and Safety Standards Act.

Contract Work Hours and Safety Standards Act

- (1) Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic received compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.
- (2) Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph (b)(1) of this section the contractor and any subcontractor responsible therefore shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanics, including watchmen and guards, employed in violation of the clause set forth in paragraph (b)(1) of this section, in the sum of \$25 for calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (b)(1) of this section.
- (3) Withholding for unpaid wages and liquidated damages. The sub-recipient, shall upon its own action or upon written request of the USEPA award official or an authorized representative of the Department of Labor, withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (b)(2) of this section.
- (4) Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraph (b)(1) through (4) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (b)(1) through (4) of this section.

The following shall be inserted in any contractor subject only to the Contract Work Hours and Safety Standards Act.

The contractor or subcontractor shall maintain payrolls and basic payroll records during the course of the work and shall preserve them for three years from the completion of the contract for all laborers and mechanics, including guards and watchmen, working on the contract. Such records shall contain the name and address of each such employee, social security number, correct classifications, hourly rates of wages paid, daily and weekly number of hours worked, deductions made, and actual wages paid.

Further, the records to be maintained under this paragraph shall be made available by the contractor or subcontractor for inspection, copying, or transcription by authorized representatives of the USEPA and the Department of Labor, and the contractor or subcontractor will permit such representatives to interview employees during working hours on the job.

Basis of BID

A. Base Bid (Type I) Material and Equipment:

1. Bidder has included in the Bid price, the installed cost of material and equipment furnished by the circled Supplier as named in the Base Bid (Type I) Material and Equipment Schedule, which is included at the end of this Bid Form.
2. The circled Supplier has been selected from Supplier A, B, or C as named in the Base Bid (Type I) Material and Equipment Schedule in accordance with the Instructions to Bidders.
3. If a substitute is offered, Bidder has included the name of the Supplier and the amount to be deducted from the Bid price for the proposed substitute in the Base Bid (Type I) Material and Equipment Schedule in accordance with the Instructions to Bidders. Bidder agrees that the procedures for submission and consideration by Engineer for determining the acceptability of substitutes will be as set forth in the General Conditions and the Supplementary Conditions.

B. Base Bid (Type II) Material and Equipment:

1. Bidder has included in the Bid price, the installed cost of material and equipment furnished by Supplier A as named in the Base Bid (Type II) Material and Equipment Schedule, which is included at the end of this Bid Form.
2. Bidder has included the Supplier's price and the installed cost of each item for Suppliers A and B in the Base Bid (Type II) Material and Equipment Schedule in accordance with the Instructions to Bidders.
3. Bidder may also list supplier's price and total installed cost for listed supplier B. Supplier B will not be considered for possible acceptance by change order after contract award if the supplier's price and the installed cost are not listed for supplier A. Bid price is to be based on Supplier A.
4. Upon request by the Owner, the Bidder agrees to submit to the Owner a Supplier's price quotation.

C. Base Bid (Type III) Material and Equipment:

1. Bidder has included in the Bid price, the installed cost of material and equipment furnished by Supplier A as named in the Base Bid (Type III) Material and Equipment Schedule, which is included at the end of this Bid Form.
2. Bidder has included the Supplier's price and the installed cost of each item for Supplier A in the Base Bid (Type III) Material and Equipment Schedule in accordance with the Instructions to Bidders.
3. If a voluntary substitute is offered, Bidder has included the name of the Supplier, the Supplier's price, and the installed cost for the proposed substitute in the Base Bid (Type III) Material and Equipment Schedule in accordance with the Instructions to Bidders. Bidder agrees that the procedures for submission and consideration by Engineer for determining the acceptability of voluntary substitutes will be as set forth in the General Conditions and the Supplementary Conditions.
4. Upon request by the Owner, the Bidder agrees to submit to the Owner a Supplier's price quotation.

BID Schedule:

TOTAL OF BID:\$_____ (in figure)

(in words)

Note: BIDS shall include sales tax and all other applicable taxes and fees.

Bidder is currently certified as an MBE or WBE under EPA's DBE Program? Yes _____ No _____

Respectfully submitted:

(Printed Name of Firm) By: _____
(Authorized Rep's Signature)

(Printed Street Address) By: _____
(Printed Authorized Rep's Name)

(Printed City, State, Zip) By: _____
(Printed Authorized Rep's Title)

(Area Code and Phone Number) By: _____
(Fax Number)

(Authorized Rep's Email Address)

(Seal – if the BID is by a corporation)

Attest: _____

SUBCONTRACTOR LISTING

The following is a listing of proposed Subcontractors having a direct contract with the Contractor.

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.
- 11.
- 12.
- 13.

BASE BID (TYPE I) MATERIAL AND EQUIPMENT SCHEDULE

Specification Section	Item	Supplier	Amount To Be Deducted From Bid Price
26 29 23	Variable Frequency Drives	(A) Danfoss	
		(B) ABB	
		(substitute)	\$
26 24 19	Motor Control Centers	(A) Square D	
		(B) GE/ABB	
		(substitute)	\$
40 05 53	Process Valves (Plug Valves)	(A) DeZurik	
		(B) Henry Pratt	
		(C) Val-Matic	
		(substitute)	\$
40 05 53	Process Valves (Flanged Swing Flex Check Valves)	(A) DeZurik, APCO	
		(B) Val-Matic	
		(C) Henry Pratt RD Series	
		(substitute)	\$
40 05 59.23	Stainless Steel Slide Gates <small>Note: See Base Bid Type III for Electric Actuators furnished under Section 40 05 59.23 – 2.03.</small>	(A) Whipps	
		(B) RW Gate	
		(substitute)	\$
40 71 00 (2.02)	Flow Measurements-Restricted Runs	(A) Endress + Hauser 400 Series	
		(B) McCrometer	
		(substitute)	\$
40 72 00	Level Measurement (Microwave Radar)	(A) Vega	
		(B) Siemens	
		(substitute)	\$
43 25 13	Submersible Centrifugal Pumping Equipment	(A) Flygt	
		(B) Sulzer	
		(substitute)	\$

BASE BID (TYPE II) MATERIAL AND EQUIPMENT SCHEDULE				
Spec Section	Item	Supplier	Supplier's Price	Installed Cost
23 81 26	Split-System Air Conditioners	(A) Trane	\$	\$
		(B) Carrier	\$	\$
43 23 57	Progressive Cavity Pumping Equipment	A) Seepex SCT	\$	\$
		(B) Moyno EZ Strip	\$	\$
46 71 13	Circular Gravity Thickener	(A) Walker Process Equipment	\$	\$
		(B) Envirodyne Systems, Inc.	\$	\$

BASE BID (TYPE III) MATERIAL AND EQUIPMENT SCHEDULE				
Spec Section	Item	Supplier	Supplier's Price	Installed Cost
46 61 41	Cloth Media Disk Filters	(A) Aqua-Aerobic Systems, Inc.	\$	\$
		(substitute)	\$	\$
43 23 13	Scum Pumping Equipment	(A) Prerotation Hidrostal	\$	\$
		(substitute)	\$	\$
46 24 23	Sludge Grinders	(A) JWC Environmental Muffin Monster	\$	\$
		(substitute)	\$	\$
40 05 59.23	Electric Actuators	(A) Rotork	\$	\$
		(substitute)	\$	\$
46 10 10	Refrigerated Wastewater Sampling Equipment	(C) Teledyne ISCO	\$	\$
		(substitute)	\$	\$
43 23 78	Double Disc Pumping Equipment	(A) Penn Valley Pump Company	\$	\$
		(substitute)	\$	\$

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No.	DATE	REVISION	INT.	Project No.	13852
1	12/17/2021	ADDENDUM 1	CEE	Designed By	MTR/CEE/FGM
2	12/29/2021	ADDENDUM 2	MTR	Drawn By	MTR/CEE/FGM
				Checked By	SPG/TJB/UTB
				Approved By	KPL/CEE/FGM

FOUR RIVERS SANITATION AUTHORITY
PRIMARY FILTRATION PROJECT
PHASE I (CAPITAL PROJECT NO. 2022)
ROCKFORD, IL

PRIMARY SETTLING TANKS 1 THRU 4
OVERALL LOWER REMOVAL PLAN



11/23/2021

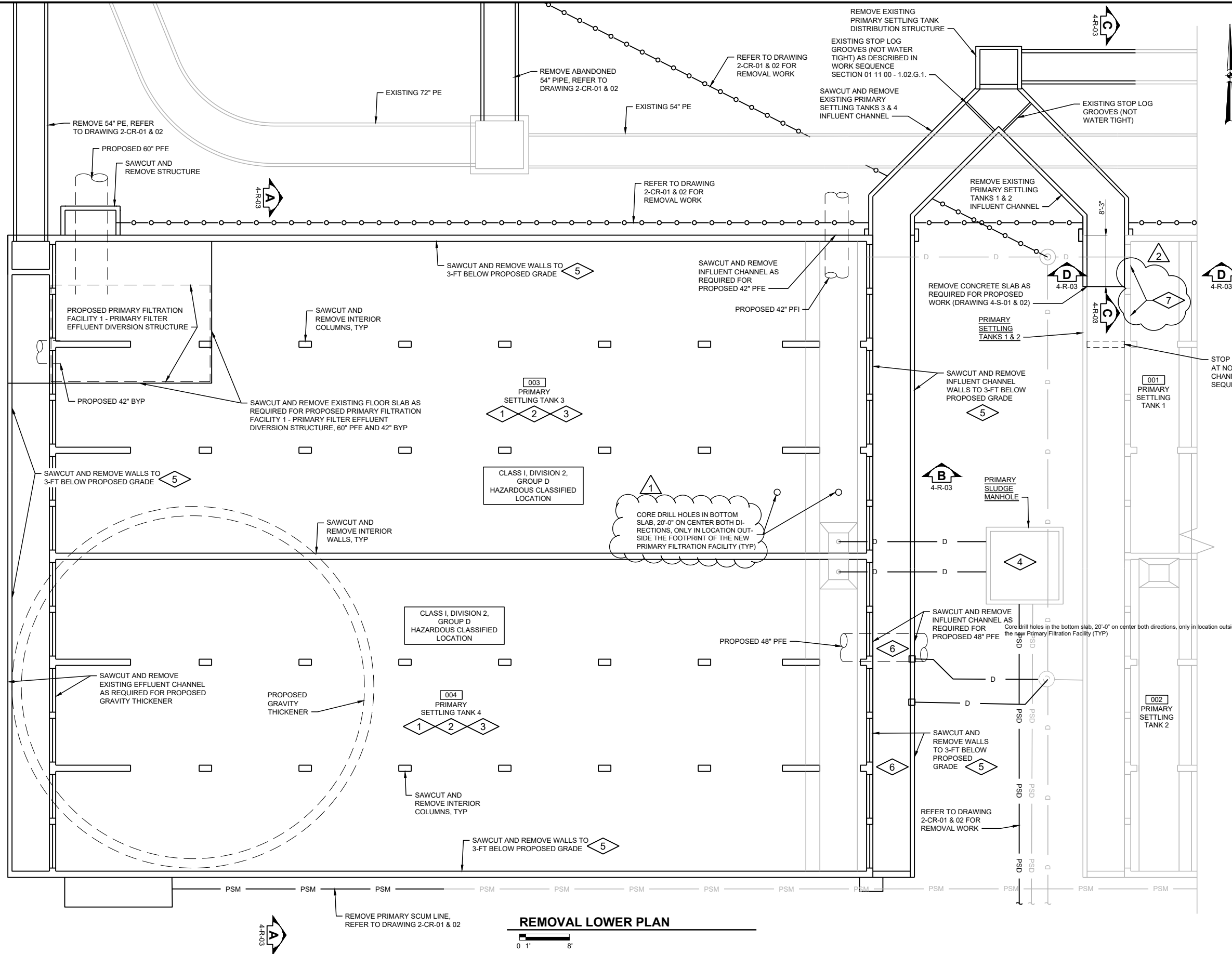
Sheet No.	48
Drawing No.	4-R-01

GENERAL REMOVAL NOTES:

1. REFER TO DRAWING 1-G-03 FOR GENERAL REMOVAL NOTES.

PLAN NOTES:

1. PROVIDE REMOVALS AS INDICATED AND AS REQUIRED FOR PROPOSED WORK.
2. REFER TO DRAWING 2-CR-01 & 02 FOR ADDITIONAL REMOVAL WORK
3. REMOVE ALL EQUIPMENT AND PIPING WITHIN TANKS. EXISTING PRV ON TANK FLOOR TO REMAIN.
4. REFER TO DRAWING 7-RM-01
5. SEE DRAWING 2-CP-01 & 02 FOR NEW PIPING LOCATIONS THAT MAY REQUIRE ADDITIONAL WALL REMOVAL DEPTH TO ACCOMMODATE NEW PIPING.
6. SEE DRAWING 2-CP-01 & 02 FOR NEW PIPING LOCATIONS THAT MAY REQUIRE ADDITIONAL INFLUENT CHANNEL REMOVAL TO ACCOMMODATE NEW PIPING.
7. TEMPORARILY PLUG TWO INLET PORTS NORTH OF STOP LOGS.



REMOVAL LOWER PLAN

0 1' 8'

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No.	DATE	REVISION	INT.	Project No.	13852
1	01/05/22	ADDENDUM 2		Designed By	CEE
				Drawn By	CEE
				Checked By	TJB
				Approved By	CEE

FOUR RIVERS SANITATION AUTHORITY
PRIMARY FILTRATION PROJECT
PHASE I (CAPITAL PROJECT NO. 2022)
ROCKFORD, IL

PRIMARY FILTRATION FACILITY 1
LOWER PLAN



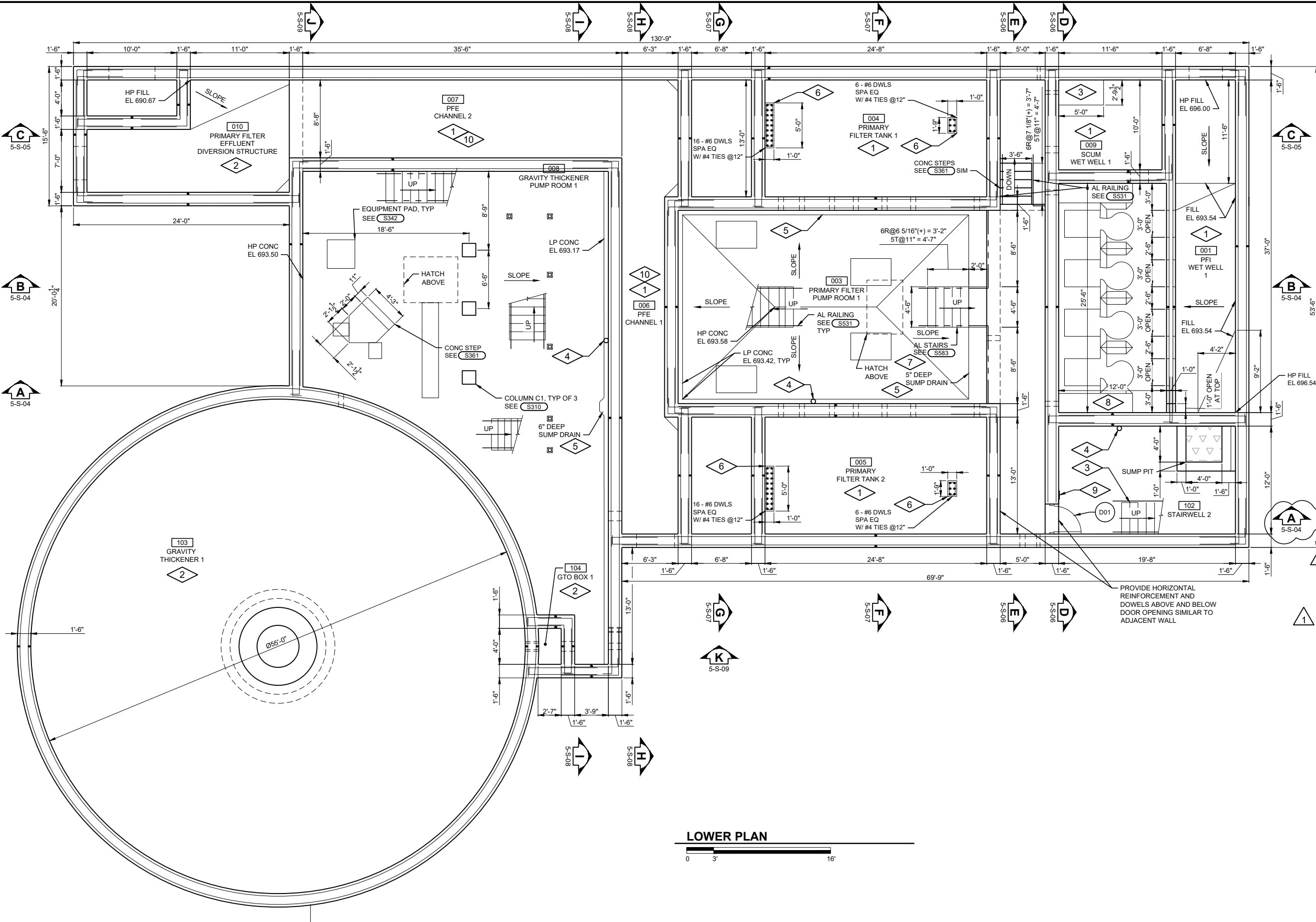
11/23/2021

Sheet No.

61

Drawing No.

5-S-01



LOWER PLAN



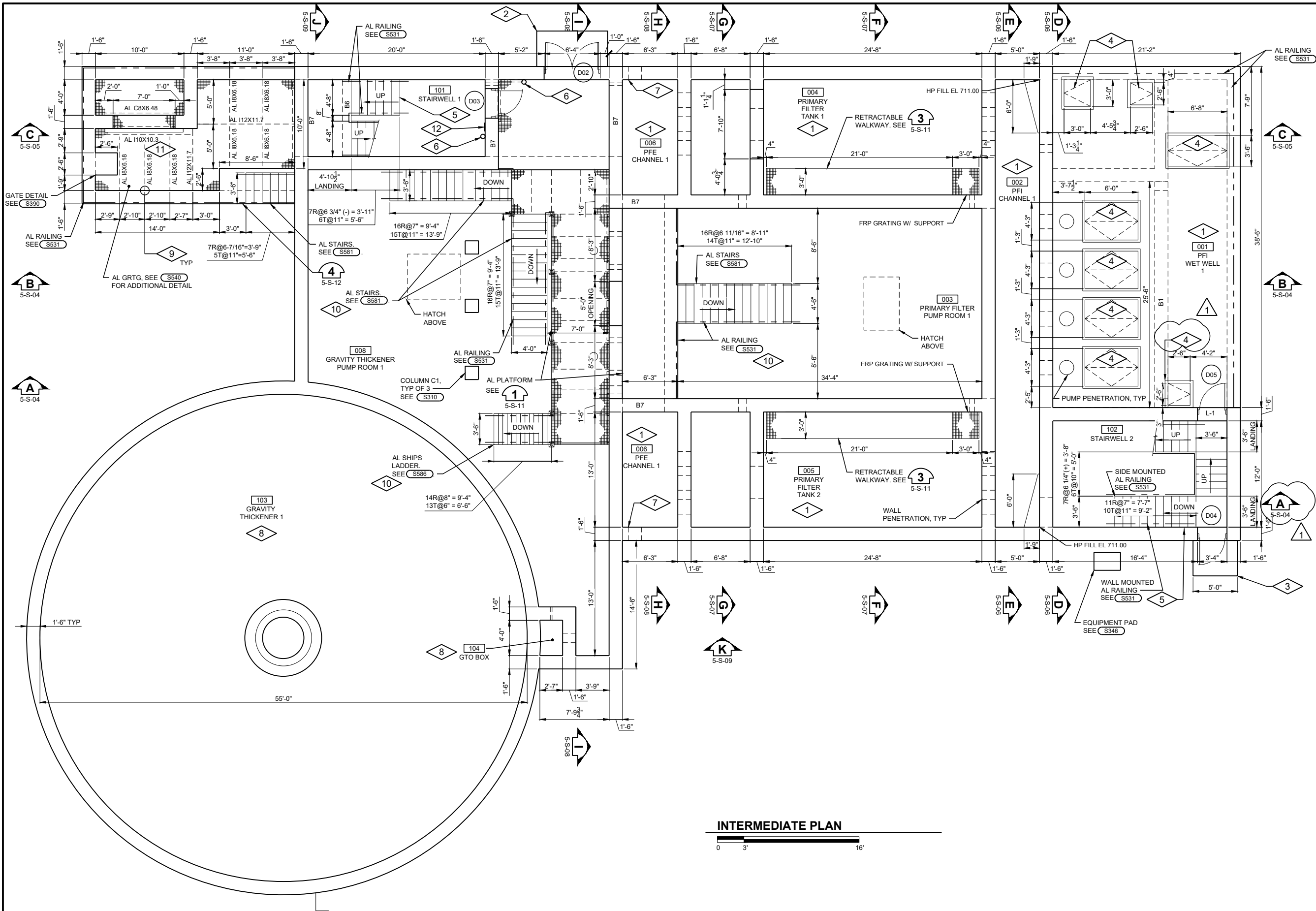
GENERAL NOTES:

- ALL REINFORCEMENT SHOWN IS #6@8" UNLESS NOTED OTHERWISE.
- CLASS B FIBER REINFORCED CONCRETE FILL PER PUMP MANUFACTURER'S REQUIREMENTS.
- CONTRACTOR SHALL FIELD VERIFY T/SLAB ELEVATIONS AT STAIR LANDINGS. COORDINATE FINAL STAIR DIMENSIONS ACCORDINGLY.

PLAN NOTES:

- CLASS I, DIVISION 1, GROUP D HAZARDOUS CLASSIFIED LOCATION
- CLASS I, DIVISION 2, GROUP D HAZARDOUS CLASSIFIED LOCATION
- CONCRETE STAIRS. SEE (S351) AND (S352)
- PROVIDE WALL MOUNTED FIRE EXTINGUISHER.
- SUMP DRAIN. SEE (S335)
- COORDINATE FINAL PEDESTAL SIZE AND LOCATION WITH FILTER MFR'S GENERAL ARRANGEMENT.
- CONTRACTOR SHALL FIELD VERIFY T/SLAB ELEVATIONS AT STAIR LANDINGS. COORDINATE FINAL STAIR DIMENSIONS ACCORDINGLY.
- COORDINATE FINAL GROUT LAYOUT AND SLOPES W/ PUMP MFR.
- WARNING SIGN. MOUNT BOTTOM @ 5'-0" AFF. SEE (A920)
- COAT TOP SLAB, WALLS, AND BOTTOM SLAB WITH CEMENTITIOUS WATERPROOF COATING APPROVED BY ENGINEER. SEE SPECIFICATION 03 33 00.
- CONCRETE FLOOR RECESSED 3" FOR PUMP. COORDINATE FINAL SIZE OF RECESS WITH PUMP MFR. ADJACENT VERTICAL WALL DOWELS AND MAT REINFORCEMENT ARE #6@6" EW. EF UNDER FLOOR RECESS. FILL FRP BASIN WITH CONCRETE (OUTSIDE OF WET WELL) AND DROP FRP BASIN INTO PLACE AFTER CONCRETE HAS CURED. PERFORM WORK IN ACCORDANCE WITH REQUIREMENT IN SPECIFICATION 43 23 13 - 2.04 MANUFACTURER'S INSTRUCTIONS.

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PLAN NOTES:

- CLASS I, DIVISION 1, GROUP D HAZARDOUS CLASSIFIED LOCATION
- 4'-0" X 8'-0" DOOR STOOP, SEE S360
- 4'-0" X 5'-0" DOOR STOOP, SEE S360
- ALUMINUM DRAINAGE CHANNEL HATCH, PIPE DRAIN BELOW.
- CONCRETE STAIRS. SEE S351 AND S352
- PROVIDE WALL MOUNTED FIRE EXTINGUISHER.
- EXHAUST AIR LOUVER. SEE H DRAWINGS AND DETAIL A742
- CLASS I, DIVISION 2, GROUP D HAZARDOUS CLASSIFIED LOCATION
- PROVIDE A DOUBLE CLIP ANGLE CONNECTION WITH 2 - 3/4" DIA SS BOLTS AND 4 - 3/4" DIA SS CONC ANCHORS.
- CONTRACTOR SHALL FIELD VERIFY T/SLAB ELEVATIONS AT STAIR LANDINGS. COORDINATE FINAL STAIR DIMENSIONS ACCORDINGLY.
- COORDINATE LOCATION OF BEAM WITH GATE.
- WARNING SIGN, MOUNT BOTTOM @ 5'-0" AFF. SEE A920

INTERMEDIATE PLAN



No.	DATE	REVISION	INT.	Project No.	13852
1	01/05/22	ADDENDUM 2		Designed By	CEE
				Drawn By	CEE
				Checked By	TJB
				Approved By	CEE

FOUR RIVERS SANITATION AUTHORITY
PRIMARY FILTRATION PROJECT
PHASE I (CAPITAL PROJECT NO. 2022)
ROCKFORD, IL

PRIMARY FILTRATION FACILITY 1
INTERMEDIATE PLAN



11/23/2021

Sheet No.

62

Drawing No.

5-S-02

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No.	DATE	REVISION	INT.	Project No.	13852
1	01/05/22	ADDENDUM 2		Designed By	CEE
				Drawn By	CEE
				Checked By	TJB
				Approved By	CEE

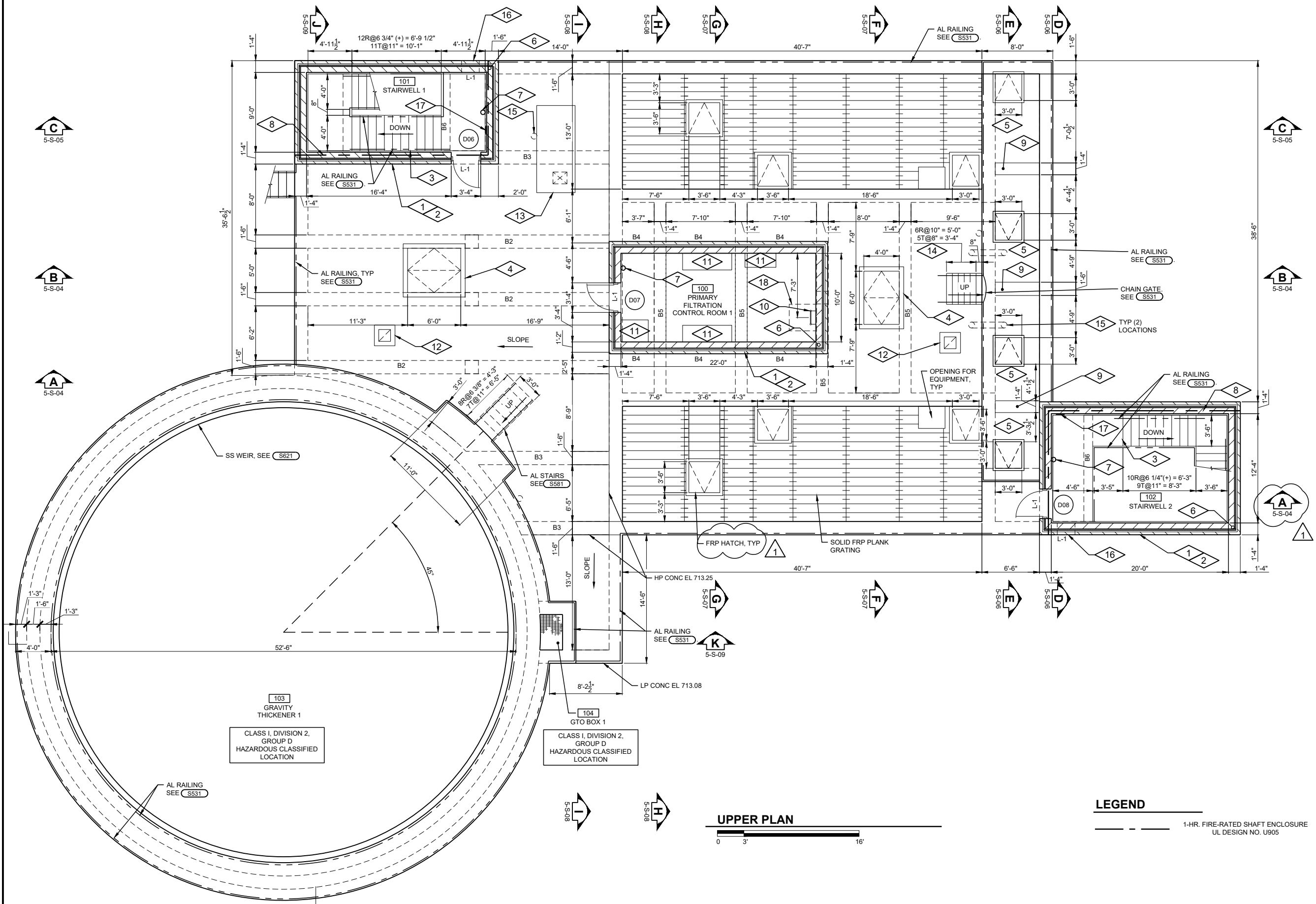
FOUR RIVERS SANITATION AUTHORITY
PRIMARY FILTRATION PROJECT
PHASE I (CAPITAL PROJECT NO. 2022)
ROCKFORD, IL

PRIMARY FILTRATION FACILITY 1
UPPER PLAN



11/23/2021

Sheet No.
63
Drawing No.
5-S-03



PLAN NOTES:

- ROOF CONSTRUCTION
 - FULLY ADHERED WHITE TPO MEMBRANE ROOFING
 - FULLY ADHERED TAPERED POLYISOCYANURATE INSULATION (R-30 AVERAGE)
 - AIR AND WATER BARRIER
 - 8" PRECAST CONCRETE ROOF PLANK
- WALL CONSTRUCTION (R-24.45)
 - 4" FACE BRICK
 - AIR SPACE
 - 2" POLYISOCYANURATE INSULATION
 - AIR BARRIER
 - 8" CMU (FILL CORES W/FOAM INSULATION)
- CONCRETE STAIRS. SEE S351 AND S352
- ALUMINUM ROOF HATCH WITH 6" X 1'-6" H CONCRETE CURB. SEE S560 AND S325
- ALUMINUM DRAINAGE CHANNEL HATCH. PIPE DRAIN BELOW.
- #5@32" W/ 1-#5 @ CORNERS AND ENDS. SEE S451
- PROVIDE WALL MOUNTED FIRE EXTINGUISHER.
- 1-HR. FIRE-RATED SHAFT ENCLOSURE
- GATE STEM COVER. SEE 5 S-12
- ALUMINUM LADDER W/ RETRACTABLE SAFETY POST. SEE S526
- EQUIPMENT PAD. SEE S340
- EXHAUST FAN ON 6" WIDE CONC CURB. SEE H DRAWINGS AND DETAIL S325
- MAKE-UP AIR UNIT ON 6" WIDE CONC CURB WHERE REQUIRED BY MFR. SEE H DRAWINGS AND DETAIL S325
- AL SHIPS LADDER. SEE S586
- PIPE PENETRATION. SEE H DRAWINGS.
- EXHAUST AIR LOUVER. SEE H DRAWINGS AND DETAIL A741
- WARNING SIGN. MOUNT BOTTOM @ 5'-0" AFF. SEE A920
- OUTLINE OF 3'-0" X 3'-0" ROOF HATCH ABOVE.

LEGEND

1-HR. FIRE-RATED SHAFT ENCLOSURE
UL DESIGN NO. U905

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ROOM FINISH SCHEDULE

A010

ABBREVIATIONS

ROOM NO.	STRUCTURE/ROOM NAME	FLOOR		WALLS		CEILING		BASE		REMARKS	FINISH CLASS
		MAT'L	FINISH	MAT'L	FINISH	MAT'L	FINISH	MAT'L	FINISH		
	BUILDING 4 - PRIMARY SETTLING TANKS 1 & 2										
	PRIMARY SETTLING TANKS 1 & 2	CONC	COAT	CONC	COAT	CONC	COAT	CONC	-	SEE NOTE 1	C
	BUILDING 5 - PRIMARY FILTRATION FACILITY										
001	PFI WETWELL 1	CONC	-	CONC	-	CONC	-	CONC	-	SEE NOTE 1	C
002	PFI CHANNEL 1	CONC	-	CONC	-	CONC	-	CONC	-	SEE NOTE 1	C
003	PRIMARY FILTER PUMP ROOM 1	CONC	SC	CONC	-	CONC	-	CONC	-	SEE NOTE 1	C
004	PRIMARY FILTER TANK 1	CONC	-	CONC	-	CONC/FRP	-	CONC	-	SEE NOTE 1	C
005	PRIMARY FILTER TANK 2	CONC	-	CONC	-	CONC/FRP	-	CONC	-	SEE NOTE 1	C
006	PFE CHANNEL 1	CONC	-	CONC	-	CONC/FRP	-	CONC	-	SEE NOTE 1	C
007	PFE CHANNEL 2	CONC	-	CONC	-	CONC/FRP	-	CONC	-	SEE NOTE 1	C
008	GRAVITY THICKENER PUMP ROOM 1	CONC	SC	CONC	-	CONC	-	CONC	-	SEE NOTE 1	C
009	SCUM WET WELL 1	CONC	-	CONC	-	CONC	-	CONC	-	SEE NOTE 1	C
010	PRIMARY FILTER EFFLUENT DIVERSION STRUCTURE	CONC	-	CONC	-	ALGRTG	-	CONC	-	SEE NOTE 1	C
100	PRIMARY FILTRATION CONTROL ROOM 1	CONC	SC	CMU	COAT	PCONC	-	CMU	-	SEE NOTE 1	C
101	STAIRWELL 1	CONC	SC	CONC/CMU	-/COAT	PCONC	-	CMU	-	SEE NOTE 1	C
102	STAIRWELL 2	CONC	SC	CONC/CMU	-/COAT	PCONC	-	CMU	-	SEE NOTE 1	C
103	GRAVITY THICKENER 1	CONC	-	CONC	-	-	-	CONC	-	SEE NOTE 1	C
104	GTO BOX	CONC	-	CONC	-	ALGRTG	-	CONC	-	SEE NOTE 1	C
	BUILDING 6 - PRIMARY TANK OUTLET STRUCTURE										
001	OUTLET STRUCTURE	CONC	COAT	CONC	COAT	CONC	COAT	CONC	-	SEE NOTE 1	C
	BUILDING 9 - MAIN PUMP II										
100	ELECTRICAL ROOM	CONC	R	GB	COAT	EXP	COAT	GB	VB	SEE NOTE 1	C

CMU	CONCRETE MASONRY UNIT
COAT	COATING
CONC	CONCRETE
EXP	EXPOSED STRUCTURE
FRP	FIBERGLASS REINFORCED PLASTIC
GB	GYPSUM BOARD
PCONC	PRECAST CONCRETE
R	RESINOUS FLOORING
SC	SEALED CONCRETE
VB	VINYL BASE

NOTES:
1. SEE SPECIFICATION SECTION 09 96 00 FOR COATING SCHEDULE.

DOOR SCHEDULE

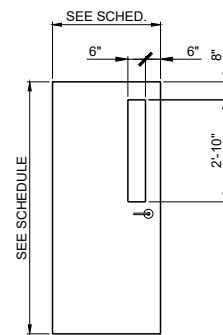
A020

STRUC. NO.	DOOR NO.	DOOR *							FRAME			GLASS TYPE	REMARKS
		TYPE	LINTEL	SIZE		MAT'L.	FINISH	H.W.SET	TYPE	MAT'L.	FINISH		
				WIDTH X HEIGHT	THK								
5	D01	1	-	3'-0"x7'-0"	1 3/4"	FRP	-	1	2	FRP	-	G4	1-HR. FIRE RATED
	D02	1	-	(2)-3'-0"x7'-0"	1 3/4"	FRP	-	4	3	FRP	-	G3	
	D03	1	-	3'-0"x7'-0"	1 3/4"	FRP	-	3	2	FRP	-	G4	1-HR. FIRE RATED
	D04	1	-	3'-0"x7'-0"	1 3/4"	FRP	-	3	2	FRP	-	G3	
	D05	1	-	3'-0"x7'-0"	1 3/4"	FRP	-	2	2	FRP	-	G1	1-HR. FIRE RATED
	D06	1	L-1	3'-0"x7'-0"	1 3/4"	FRP	-	3	1	FRP	-	G1	1-HR. FIRE RATED
	D07	1	L-1	3'-0"x7'-0"	1 3/4"	FRP	-	3	1	FRP	-	G3	
	D08	1	L-1	3'-0"x7'-0"	1 3/4"	FRP	-	3	1	FRP	-	G1	1-HR. FIRE RATED
9	D01	1	-	(2)-3'-0"x7'-0"	1 3/4"	GHM	CT	5	3	GHM	CT	G2	
	D02	1	-	3'-0"x7'-0"	1 3/4"	GHM	CT	1	2	GHM	CT	G2	

KEY

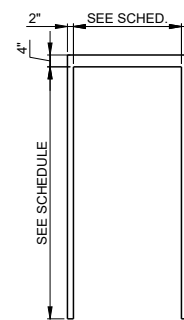
CT = COATING
FRP = FIBERGLASS REINFORCED PLASTIC
GHM = GALVANIZED HOLLOW METAL

* ALL DOORS ARE TO BE INSULATED



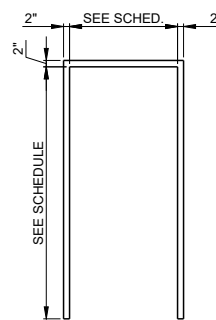
①

DOOR TYPE= X

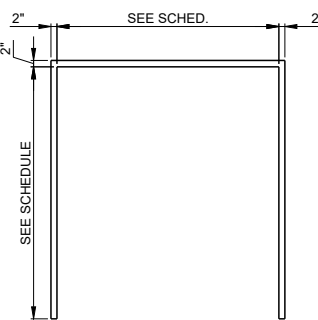


②

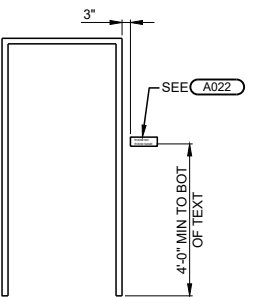
FRAME TYPE= X



③



④



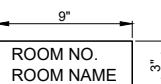
SIGN DETAIL

NTS

A021

ROOM SIGN SCHEDULE				
ROOM NO.	LOCATION	TYPE	ROOM NAME	DOOR NUMBER LOCATION
101	STAIRWELL 1	A	STAIRWELL 1	D03
102	STAIRWELL 2	A	STAIRWELL 2	D01

1" TACTILE ROOM DESCRIPTION WITH BRAILLE



SIGN DETAIL TYPE A

NTS

A022



No.	DATE	REVISION	INT.	Project No.	13852
1	1/6/2022	ADDENDUM 2	SRW	Designed By	SRW
				Drawn By	SRW
				Checked By	TJB
				Approved By	SRW

FOUR RIVERS SANITATION AUTHORITY
PRIMARY FILTRATION PROJECT
PHASE I (CAPITAL PROJECT NO. 2022)
ROCKFORD, IL

STANDARD DETAIL
ARCHITECTURAL



11/23/2021

Sheet No.

146

Drawing No.

10-A-01

NOTES

1. Size and location of floor opening required for collector drives, to be determined after selection of equipment.

2. Location of floor stands and floor boxes to be determined after selecting valves and sluice gates.

To Floodlight
3 Cond. 100 U.G.

3" 104 4" 14 Str. 14" C
3" 136 - 2 1/2" C. Power

1 3/4" Grating

3" 124 6" 14 1/2" C
(Floor Box)

Collector Drive #3
See Detail Sheet 20

Valve Operators
& Floor Stands

Control Column

Constr. Jt.
see Detail Sheet 20

TANK #3

Walker Process Co.
Collector Equipment
Installed by Johnson Bros.
HEATING
Co. in 1959

TANK #4

Pipe Railing
see Detail Sheet 20

Gate

Control Column

Constr. Jt.
see Detail Sheet 20

TANK #5

Pipe Railing

Gate

Control Column

Constr. Jt.
see Detail Sheet 20

TANK #6

Pipe Railing

Gate

Control Column

Constr. Jt.
see Detail Sheet 20

TANK #7

Pipe Railing

Gate

Control Column

Constr. Jt.
see Detail Sheet 20

TANK #8

Pipe Railing

Gate

Control Column

Constr. Jt.
see Detail Sheet 20

TANK #9

Pipe Railing

Gate

Control Column

Constr. Jt.
see Detail Sheet 20

TANK #10

Pipe Railing

Gate

Control Column

10/9 25/11

13/10 19/11

16/11 22/11

19/12 25/11

22/13 28/11

25/14 31/11

28/15 34/11

31/16 37/11

34/17 40/11

37/18 43/11

40/19 46/11

43/20 49/11

46/21 52/11

49/22 55/11

52/23 58/11

55/24 61/11

58/25 64/11

61/26 67/11

64/27 70/11

67/28 73/11

70/29 76/11

73/30 79/11

76/31 82/11

79/32 85/11

82/33 88/11

85/34 91/11

88/35 94/11

91/36 97/11

94/37 100/11

97/38 103/11

100/39 106/11

103/40 109/11

106/41 112/11

109/42 115/11

112/43 118/11

115/44 121/11

118/45 124/11

121/46 127/11

124/47 130/11

127/48 133/11

130/49 136/11

133/50 139/11

136/51 142/11

139/52 145/11

142/53 148/11

10/9 25/11

13/10 19/11

16/11 22/11

19/12 25/11

22/13 28/11

25/14 31/11

28/15 34/11

31/16 37/11

34/17 40/11

37/18 43/11

40/19 46/11

43/20 49/11

46/21 52/11

49/22 55/11

52/23 58/11

55/24 61/11

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64/27 70/11

67/28 73/11

70/29 76/11

73/30 79/11

76/31 82/11

79/32 85/11

82/33 88/11

85/34 91/11

88/35 94/11

91/36 97/11

94/37 100/11

97/38 103/11

100/39 106/11

103/40 109/11

106/41 112/11

109/42 115/11

112/43 118/11

115/44 121/11

118/45 124/11

121/46 127/11

124/47 130/11

127/48 133/11

130/49 136/11

133/50 139/11

136/51 142/11

139/52 145/11

142/53 148/11

10/9 25/11

13/10 19/11

16/11 22/11

19/12 25/11

22/13 28/11

25/14 31/11

28/15 34/11

31/16 37/11

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40/19 46/11

43/20 49/11

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52/23 58/11

55/24 61/11

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61/26 67/11

64/27 70/11

67/28 73/11

70/29 76/11

73/30 79/11

76/31 82/11

79/32 85/11

82/33 88/11

85/34 91/11

88/35 94/11

91/36 97/11

94/37 100/11

97/38 103/11

100/39 106/11

103/40 109/11

106/41 112/11

109/42 115/11

112/43 118/11

115/44 121/11

118/45 124/11

121/46 127/11

124/47 130/11

127/48 133/11

130/49 136/11

133/50 139/11

136/51 142/11

139/52 145/11

142/53 148/11

10/9 25/11

13/10 19/11

16/11 22/11

19/12 25/11

22/13 28/11

25/14 31/11

28/15 34/11

31/16 37/11

34/17 40/11

37/18 43/11

40/19 46/11

43/20 49/11

46/21 52/11

49/22 55/11

52/23 58/11

55/24 61/11

58/25 64/11

61/26 67/11

64/27 70/11

67/28 73/11

70/29 76/11

73/30 79/11

76/31 82/11

79/32 85/11

82/33 88/11

85/34 91/11

88/35 94/11

91/36 97/11

94/37 100/11

97/38 103/11

100/39 106/11

103/40 109/11

106/41 112/11

109/42 115/11

112/43 118/11

115/44 121/11

118/45 124/11

121/46 127/11

124/47 130/11

127/48 133/11

130/49 136/11

133/50 139/11

136/51 142/11

139/52 145/11

142/53 148/11

10/9 25/11

13/10 19/11

16/11 22/11

19/12 25/11

22/13 28/11

25/14 31/11

28/15 34/11

31/16 37/11

34/17 40/11

37/18 43/11

40/19 46/11

43/20 49/11

46/21 52/11

49/22 55/11

52/23 58/11

55/24 61/11

58/25 64/11

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64/27 70/11

67/28 73/11

70/29 76/11

73/30 79/11

76/31 82/11

79/32 85/11

82/33 88/11

85/34 91/11

88/35 94/11

91/36 97/11

94/37 100/11

97/38 103/11

100/39 106/11

103/40 109/11

106/41 112/11

109/42 115/11

112/43 118/11

115/44 121/11

118/45 124/11

121/46 127/11

124/47 130/11

127/48 133/11

130/49 136/11

133/50 139/11

136/51 142/11

139/52 145/11

142/53 148/11

10/9 25/11

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31/16 37/11

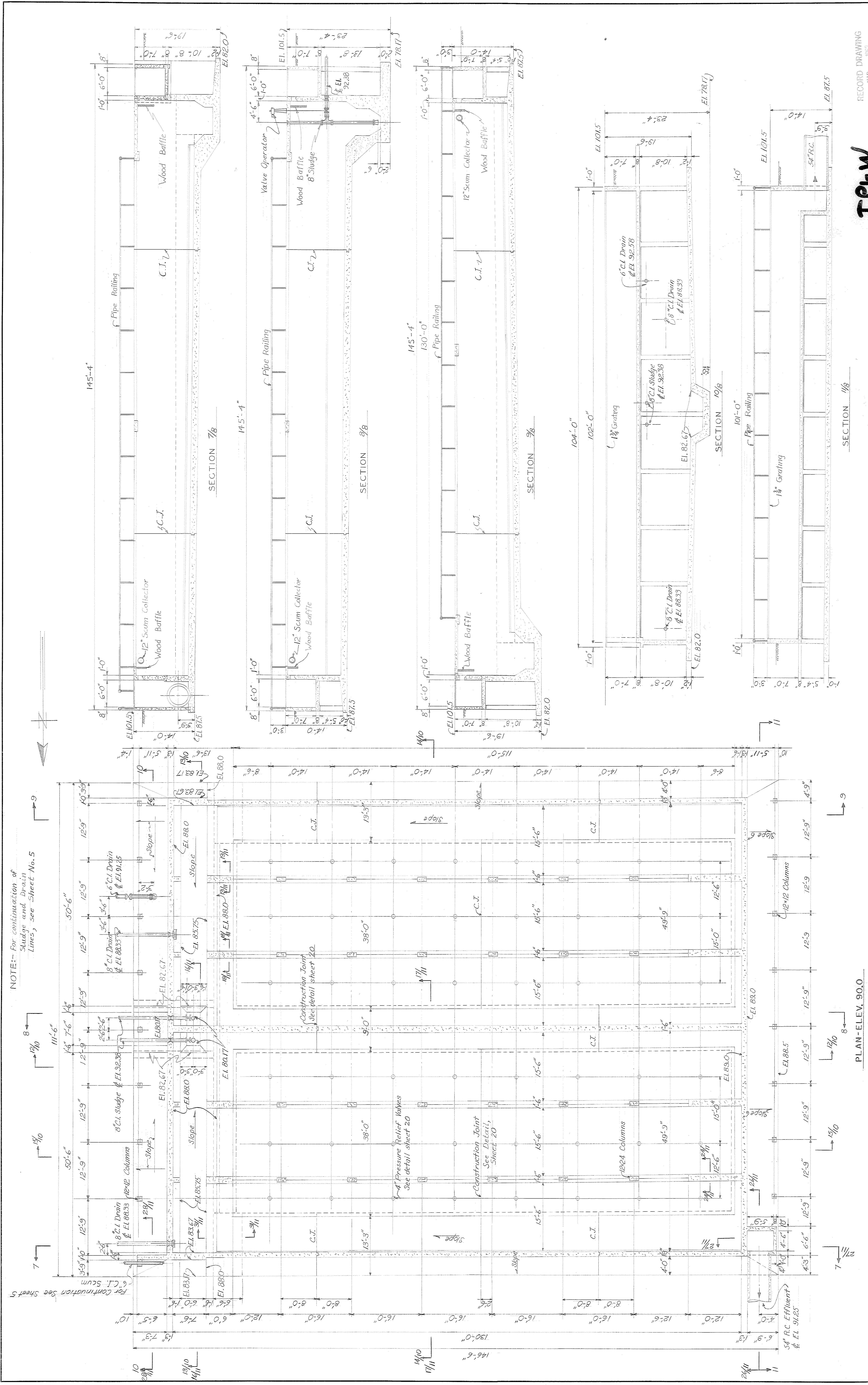
34/17 40/11

37/18 43/11

40/19 46/11

43/20 49/11

46/21

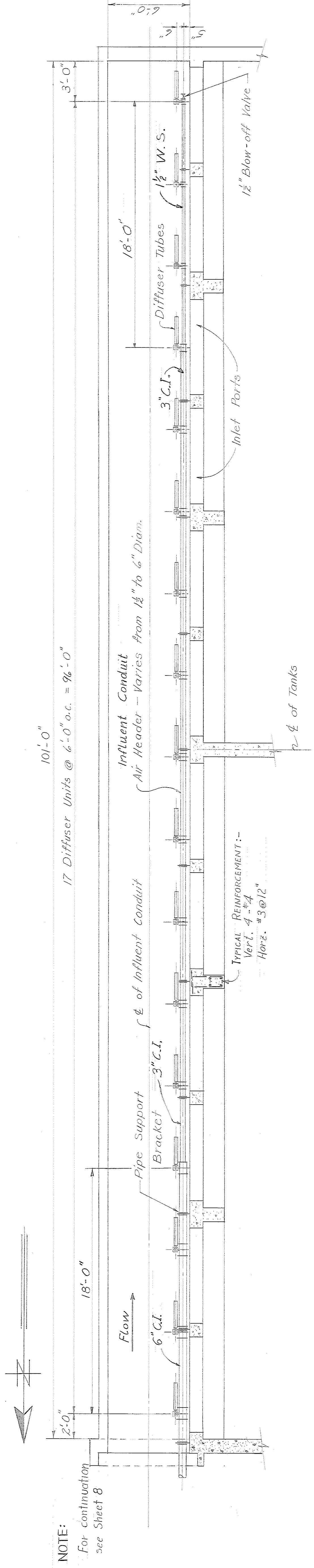


NOTE: For continuation of
Sludge and Drain
Lines, see Sheet No. 5

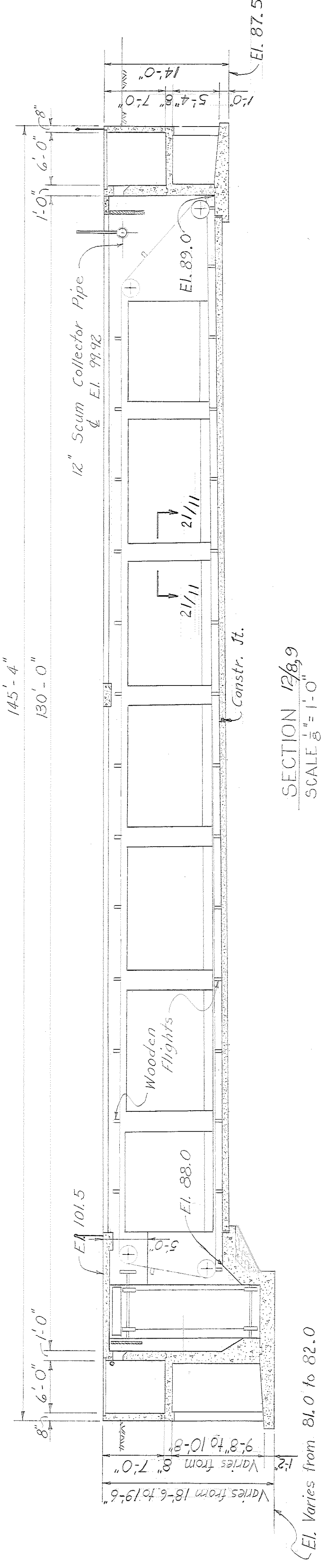
PLAN-ELEV. 90.0

T.P.P.W

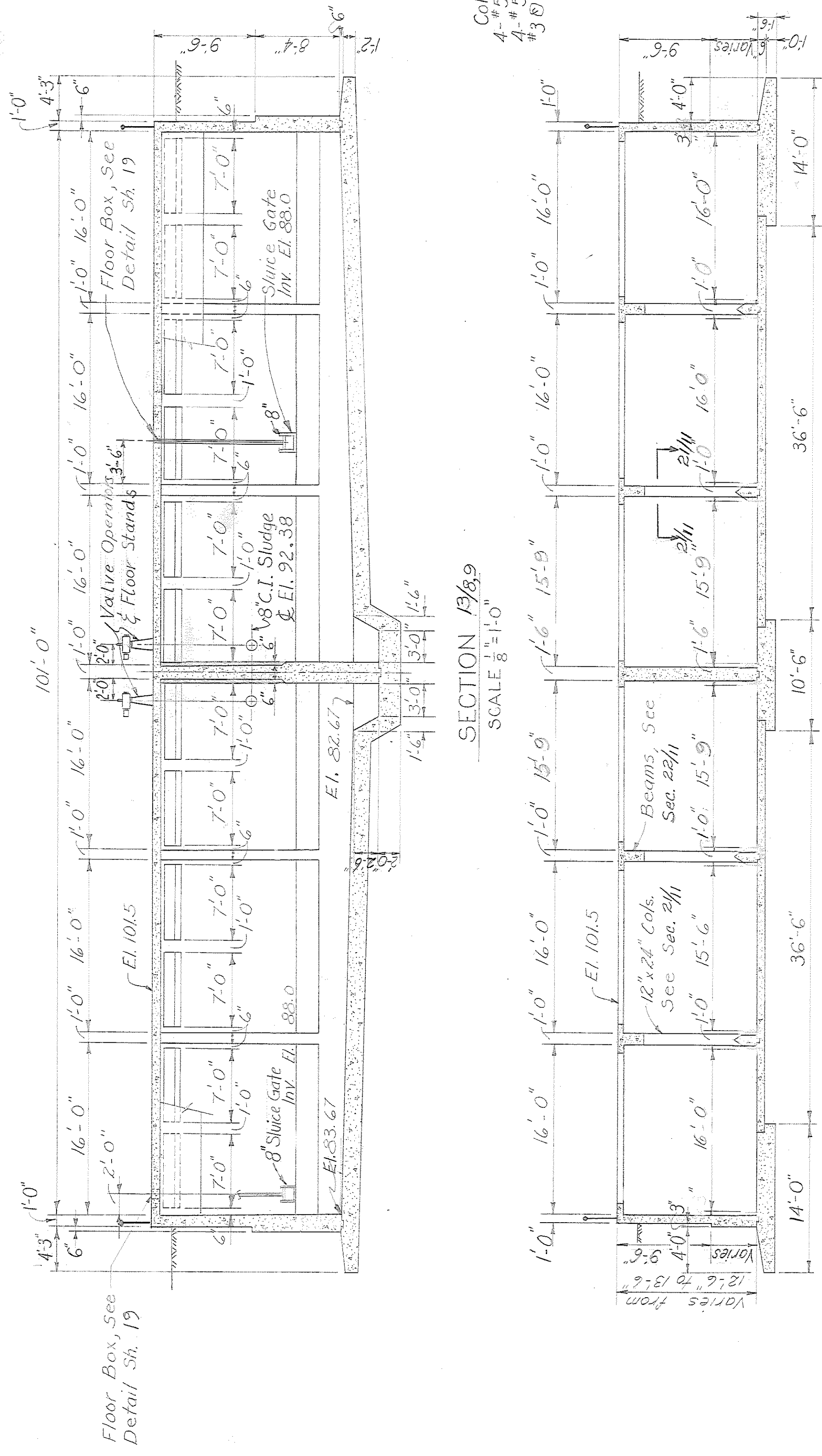
Greeley and Hansen ENGINEERS 220 SOUTH STATE STREET CHICAGO 4, ILLINOIS	DESIGNED T.R.A., P.E. DRAWN G.L.B., M.S. CHECKED T.R.A., K.V.H.	APPROVED	ROCKFORD SANITARY DISTRICT ROCKFORD, ILLINOIS		PRIMARY SETTLING TANKS PLANS AND SECTIONS		RECORD DRAWING MAR 1952	
			SEWAGE TREATMENT PLANT ADDITIONS		PROJECT NUMBER S 77		SHEET OF 26	
			NO. DATE		REVISION		Set 26	



PLAN - PRIMARY SETTLING TANK AIR PIPING
SCALE $\frac{1}{4}'' = 1'-0''$

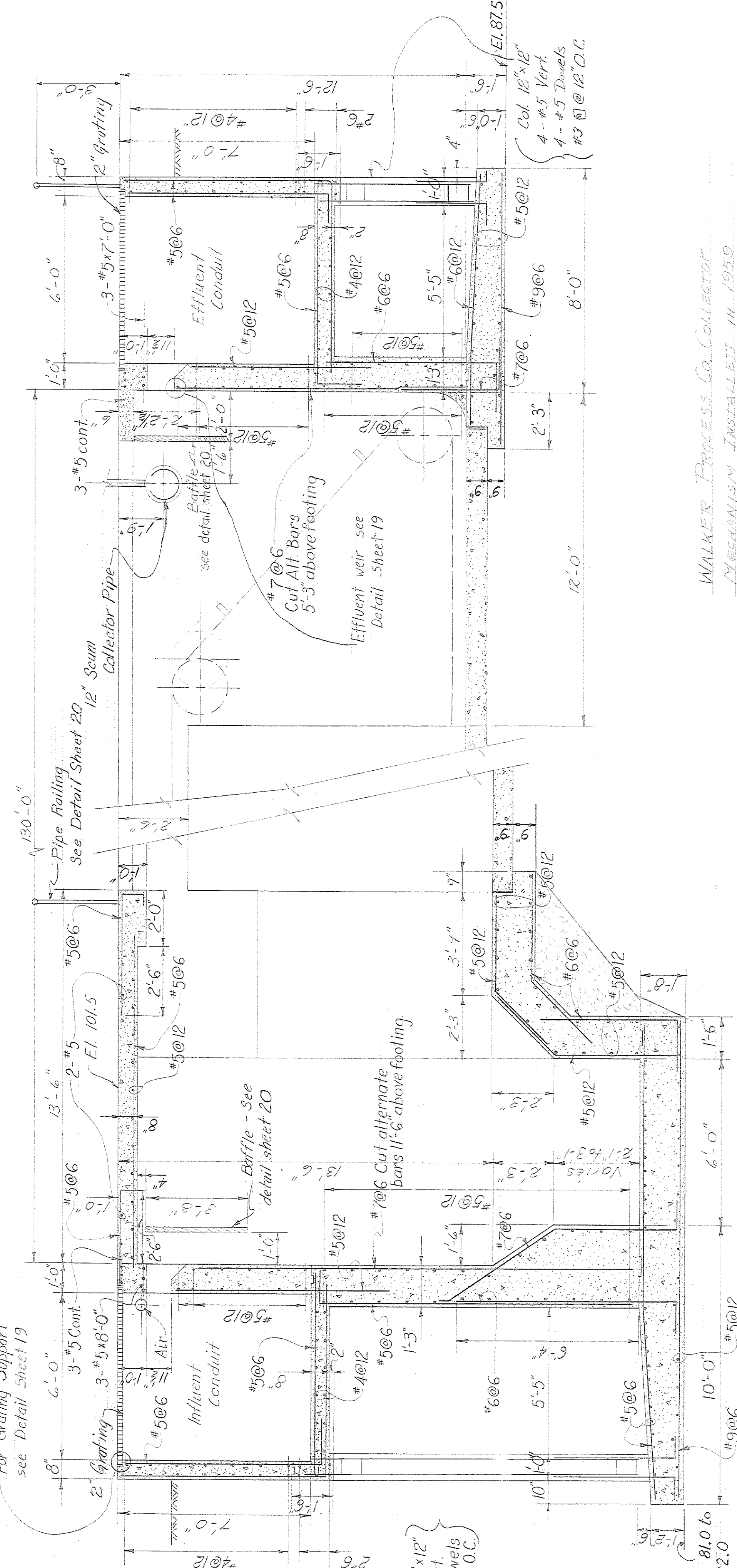


SECTION 12/8.9
SCALE $\frac{1}{8}'' = 1'-0''$

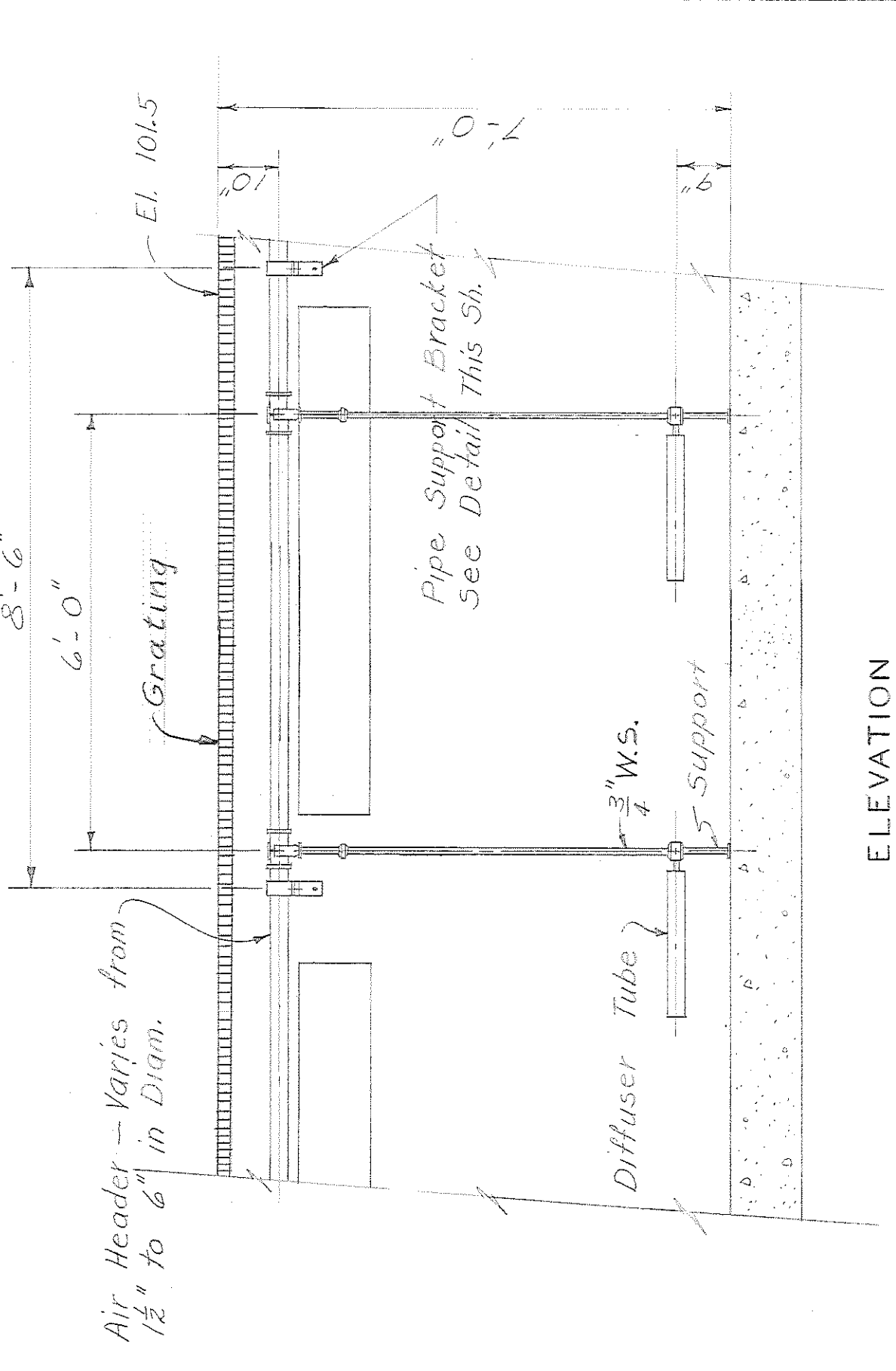


SECTION 13/8.9
SCALE $\frac{1}{8}'' = 1'-0''$

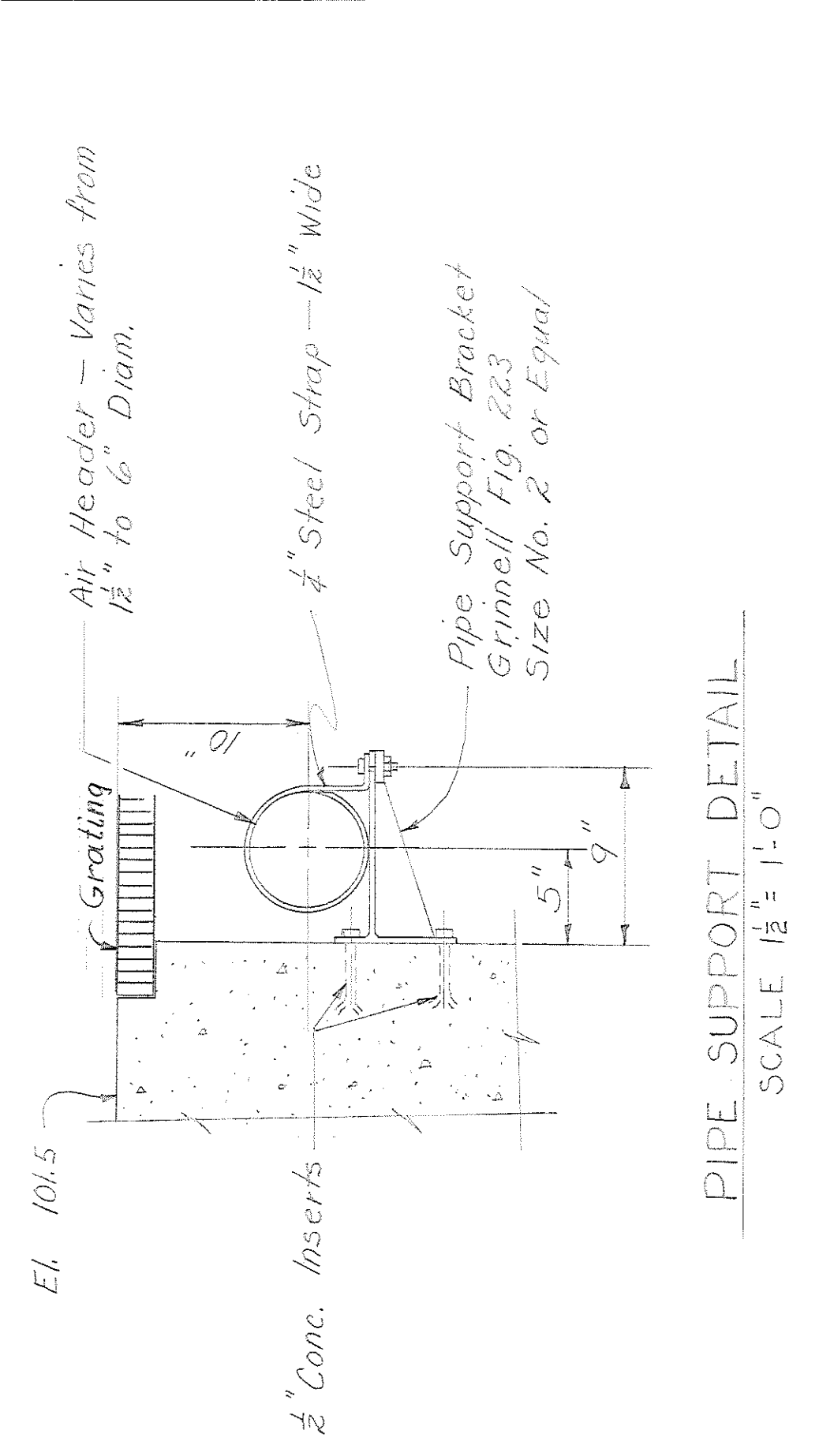
SECTION 14/8.9
SCALE $\frac{1}{8}'' = 1'-0''$



SECTION 15/8.9
SCALE $\frac{1}{8}'' = 1'-0''$



ELEVATION
TYPICAL DETAIL OF CHANNEL DIFFUSER
SCALE $\frac{1}{2}'' = 1'-0''$

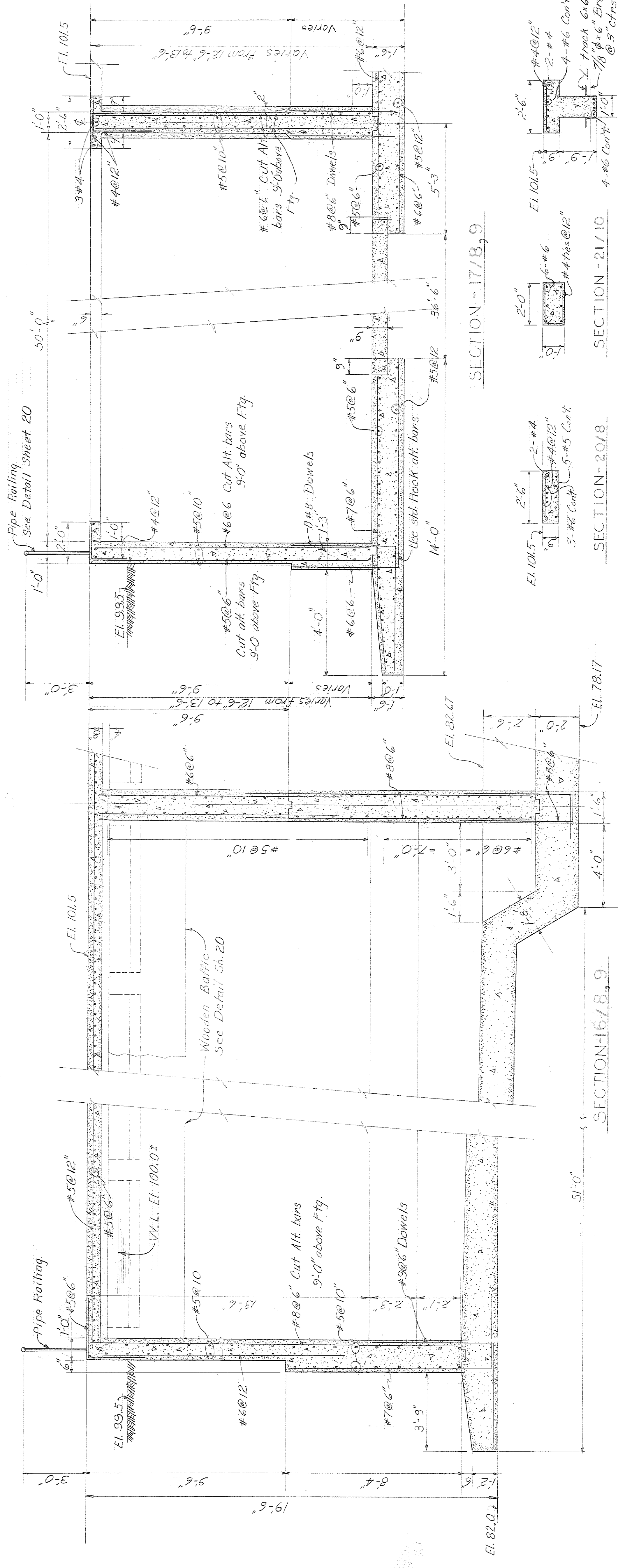


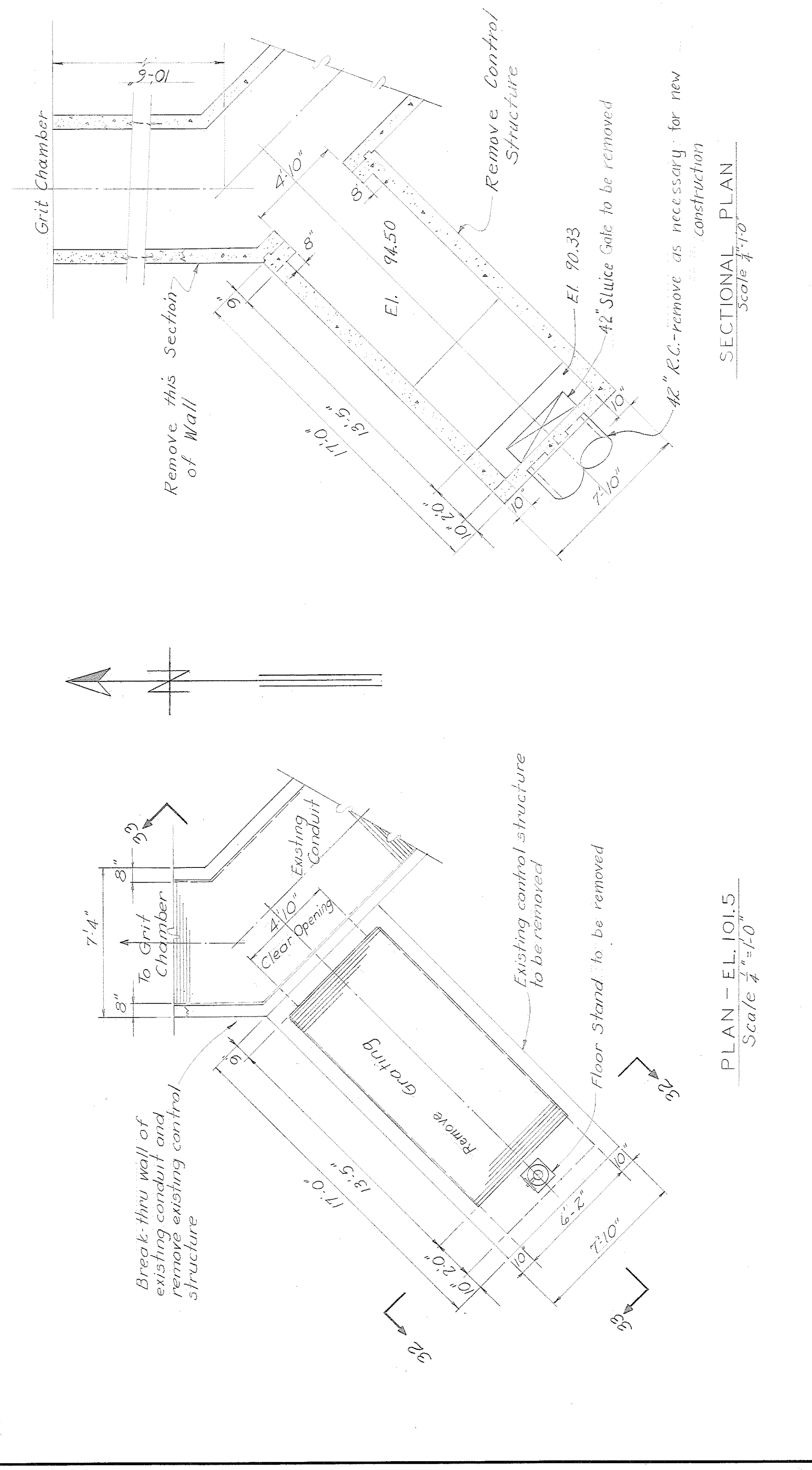
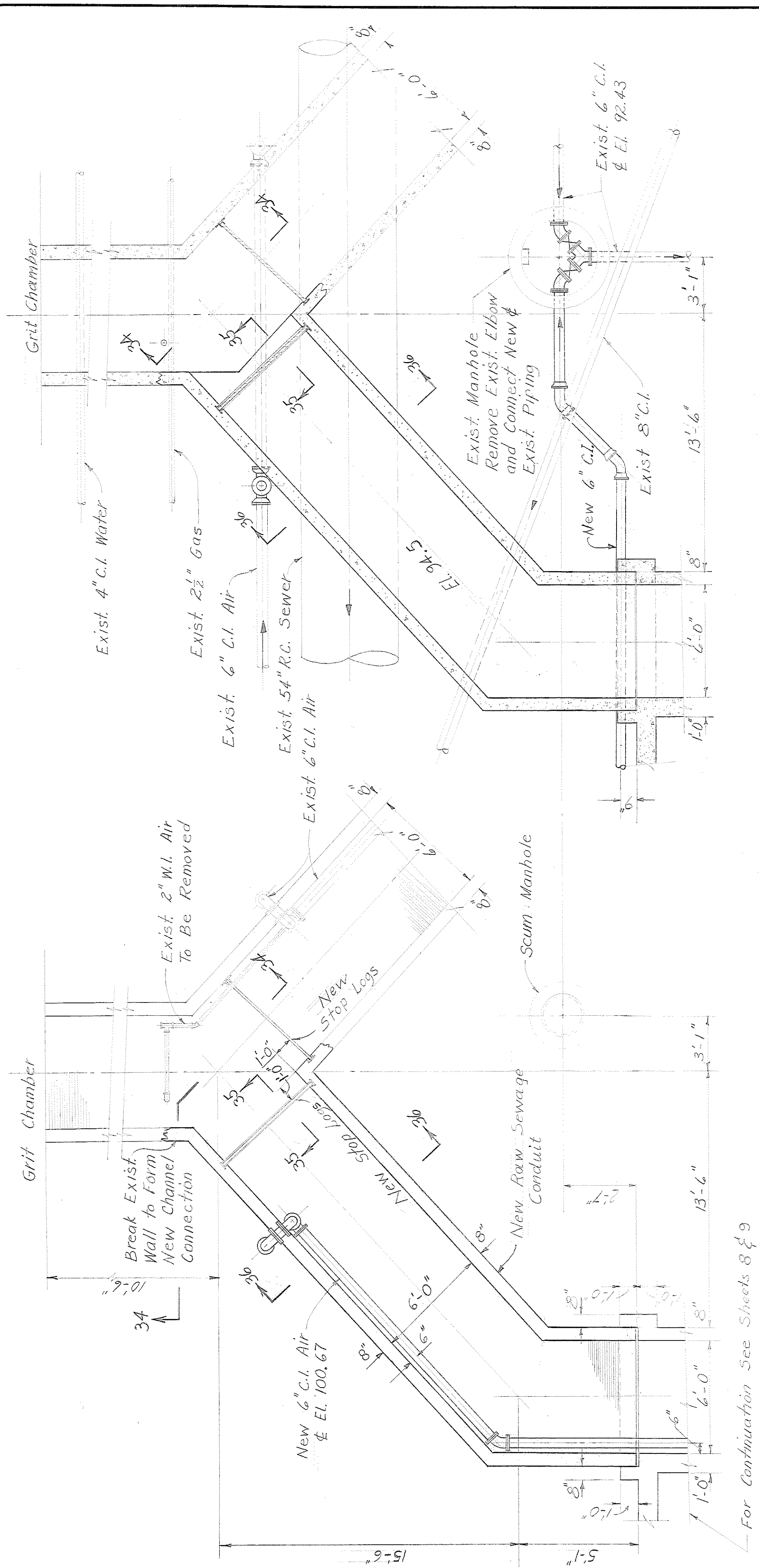
PIPE SUPPORT DETAIL
SCALE $\frac{1}{2}'' = 1'-0''$

WALKER PROCESS CO. COLLECTOR
MECHANISM INSTALLED IN 1959
BY JOHNSON, BROS. HEATING CO.

TPI-W

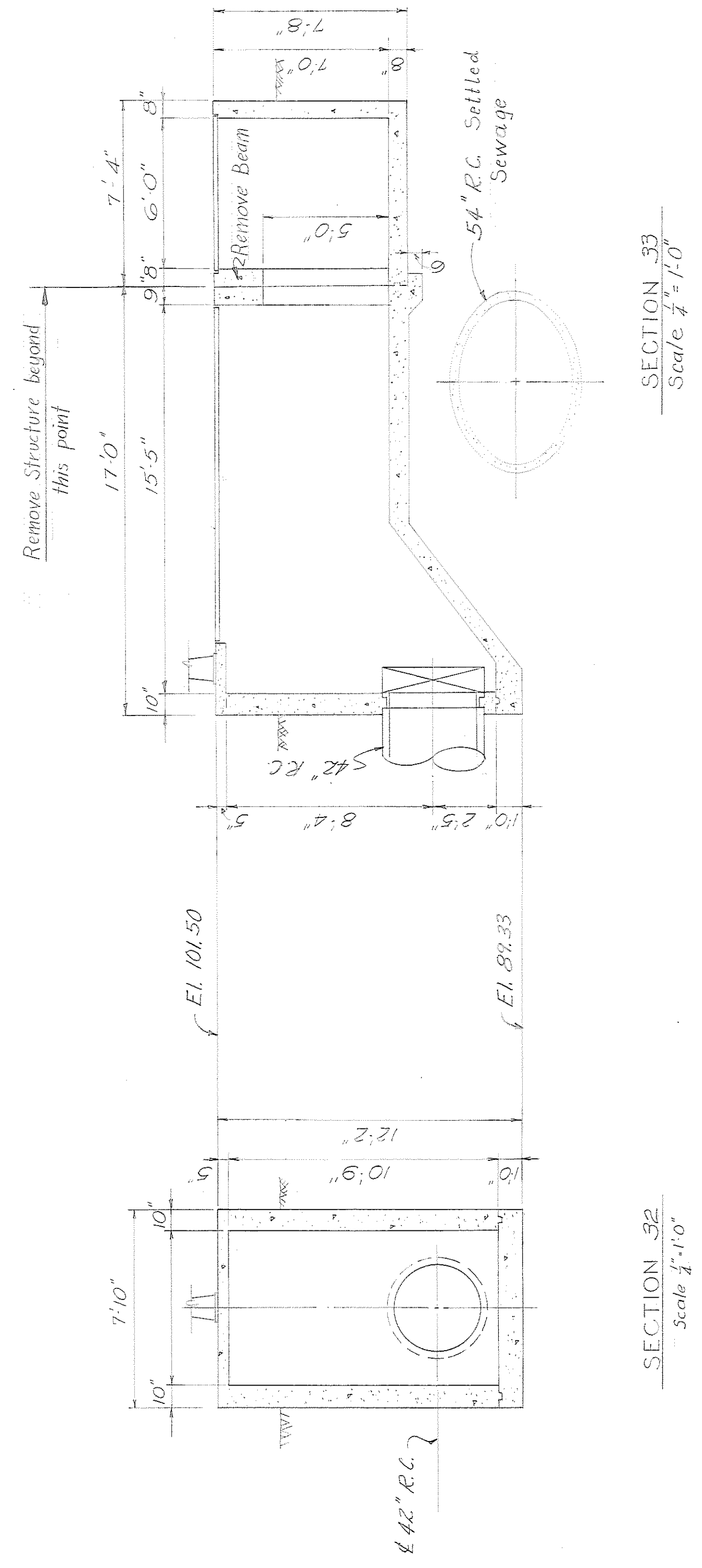
Greeley and Hansen Engineers 220 South State Street Chicago 4, Illinois	DESIGNED T.R.A., M.K. DRAWN R.A.P., G.J.A. CHECKED T.R.A., K.V.H.	APPROVED																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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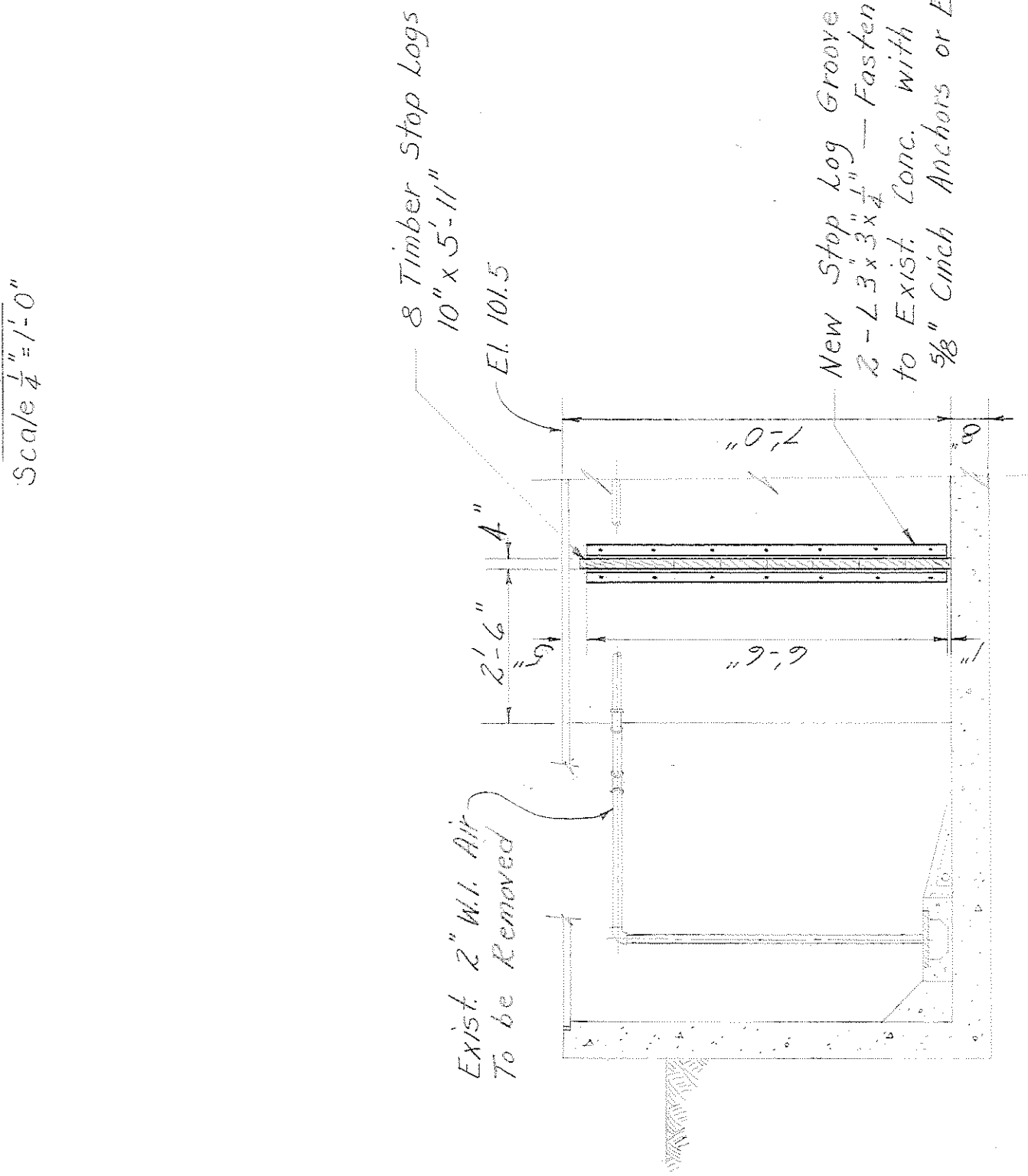


SECTIONAL PLAN
Scale 1/4" = 1'-0"

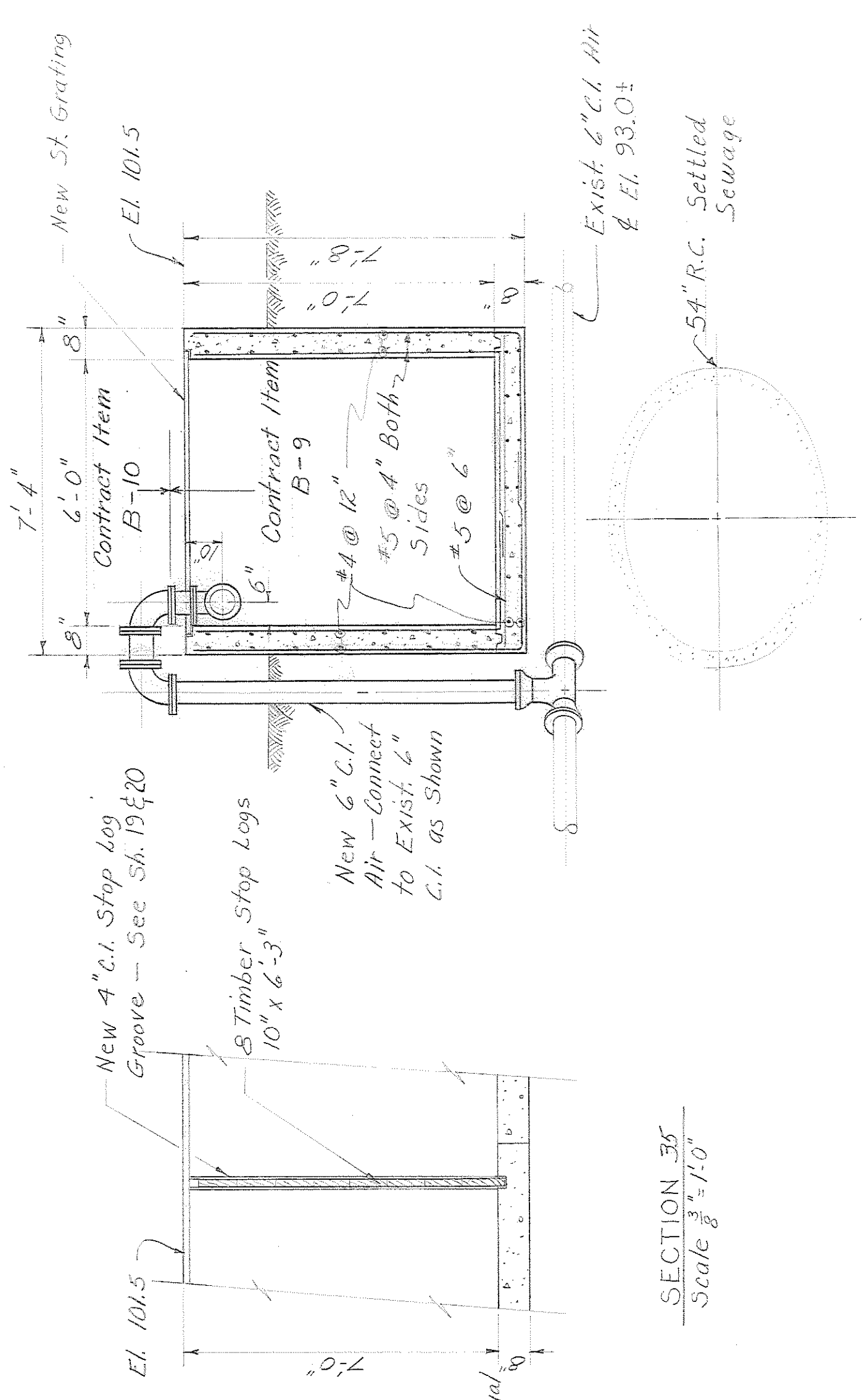
PLAN
Scale 1/4" = 1'-0"



SECTION 32
Scale 1/4" = 1'-0"



SECTION 34
Scale 3/8" = 1'-0"



SECTION 36
Scale 3/8" = 1'-0"

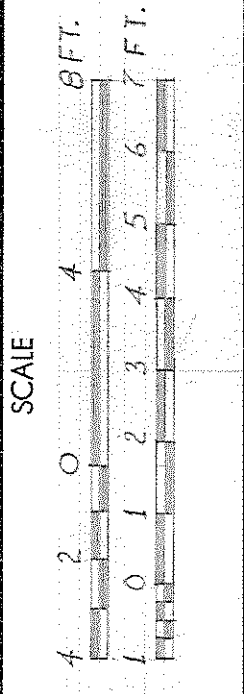
NOTE: Existing piping and structures shown in light lines
New piping and structures shown in heavy lines

GREELEY AND HANSEN
ENGINEERS
220 SOUTH STATE STREET
CHICAGO 4, ILLINOIS

DESIGNED T.R.A.
DRAWN R.A.P.
CHECKED T.R.A., K.V.H.

APPROVED

NO. DATE REVISION



SEWAGE TREATMENT PLANT ADDITIONS
ROCKFORD ILLINOIS
DISTRICT

RAW SEWAGE CONDUIT
PLANS, SECTIONS AND DETAILS

TPR-W

RECORD DRAWING
MAY 1958

PROJECT NUMBER 577
SHEET 12 OF 26

Set 22