

Krebs Engineering, Inc.  
2100 Riverhaven Drive, Suite 100  
Birmingham, AL 35244  
205-987-7411  
June 8, 2022

### **ADDENDUM NO. 1**

CONTRACT NO.: 21036  
OWNER: City of Fairhope  
PROJECT: Water Treatment Plant No. 3 Expansion

BID DATE: June 16, 2022  
TO: ALL PROSPECTIVE CONTRACTORS AND SUPPLIERS

The changes, modifications, and/or additions covered by and set forth in this Addendum No. 1 shall become part of and be incorporated in the Contract Documents for the above referenced project:

### **BIDDING REQUIREMENTS TO BE REVISED BY ADDENDUM:**

#### AD1.1 ADVERTISEMENT

1. The bid date has been moved from Thursday, June 16, 2022 at 10:00 a.m. local time to Thursday, June 30, 2022 at 10:00 a.m. local time. The revised Advertisement for Bid is attached to revise the bid date along when final questions will be received.

### **SPECIFICATIONS TO BE REVISED BY ADDENDUM:**

#### AD1.2 SECTION 01 10 00 – SUMMARY

1. Replace this specification in its entirety with attached.

### **DRAWINGS TO BE REVISED BY ADDENDUM:**

- AD1.3 Remove Sheet G0-04, HYDRAULIC PROFILE, and replace with attached.
- AD1.4 Remove Sheet C3-03, YARD PIPING PLAN, and replace with attached.
- AD1.5 Remove Sheet C3-06, YARD PIPING PROFILES, and replace with attached.
- AD1.6 Remove Sheet C3-08, STILLING BASIN PLAN & SECTION, and replace with attached.
- AD1.7 Remove Sheet C4-02, NEW TREATMENT BUILDING LOWER PLAN & SECTIONS, and replace with attached.

- AD1.8 Remove Sheet C4-03, NEW TREATMENT BUILDING SECTIONS, and replace with attached.
- AD1.9 Remove Sheet C4-07, TRAY AERATOR SYSTEM PLAN & SECTION, and replace with attached.
- AD1.10 Remove Sheet S4-01, STRUCTURAL NEW TREATMENT FOUNDATION PLAN, and replace with attached.
- AD1.11 Remove Sheet S4-02, STRUCTURAL NEW TREATMENT SLAB PLAN, and replace with attached.
- AD1.12 Remove Sheet S4-03, STRUCTURAL NEW TREATMENT SLAB REINFORCING PLAN, and replace with attached.
- AD1.13 Remove Sheet S4-05, STRUCTURAL TRAY AERATOR SLAB PLAN, and replace with attached.
- AD1.14 Remove Sheet S4-07, STRUCTURAL NEW TREATMENT FWPS SECTION, and replace with attached.
- AD1.15 Remove Sheet S4-08, STRUCTURAL NEW TREATMENT FWPS SECTION, and replace with attached.
- AD1.16 Remove Sheet S4-09, STRUCTURAL NEW TREATMENT BUILDING AND FWPS SECTION, and replace with attached.
- AD1.17 Remove Sheet C5-01, EXISTING TREATMENT BUILDING DEMOLITION PLANS, and replace with attached.
- AD1.18 Remove Sheet C5-02, EXISTING TREATMENT BUILDING DEMOLITION SECTIONS, and replace with attached.
- AD1.19 Remove Sheet C5-03, EXISTING TREATMENT BUILDING MODIFICATION PLANS, and replace with attached.
- AD1.20 Remove Sheet C5-04, EXISTING TREATMENT BUILDING MODIFICATION SECTIONS, and replace with attached.
- AD1.21 Remove Sheet DT-03, MISCELLANEOUS DETAILS, and replace with attached.

Krebs Engineering, Inc.

By 

Caleb L. Leach, P.E.  
Associate

**THIS IS THE LAST PAGE**

Attachments to Addendum No. 1 preceding this page:

- ADVERTISEMENT – 2 pages
- SECTION 01 23 00 – SUMMARY – 3 pages
- G0-04 – HYDRAULIC PROFILE – 1 page
- C3-03 – YARD PIPING PLAN – 1 page
- C3-06 – YARD PIPING PROFILES – 1 page
- C3-08 – STILLING BASIN PLAN & SECTION – 1 page
- C4-02 – NEW TREATMENT BUILDING LOWER PLAN & SECTIONS – 1 page
- C4-03 – NEW TREATMENT BUILDING SECTIONS – 1 page
- C4-07 - TRAY AERATOR SYSTEM PLAN & SECTION – 1 page
- S4-01 – STRUCTURAL NEW TREATMENT FOUNDATION PLAN – 1 page
- S4-02 – STRUCTURAL NEW TREATMENT SLAB PLAN – 1 page
- S4-03 - STRUCTURAL NEW TREATMENT SLAB REINFORCING PLAN – 1 page
- S4-05 – STRUCTURAL TRAY AERATOR SLAB PLAN – 1 page
- S4-07 – STRUCTURAL NEW TREATMENT FWPS SECTION – 1 page
- S4-08 - STRUCTURAL NEW TREATMENT FWPS SECTION – 1 page
- S4-09 – STRUCTURAL NEW TREATMENT BUILDING AND FWPS SECTION – 1 page
- C5-01 – EXISTING TREATMENT BUILDING DEMOLITION PLANS– 1 page
- C5-02 – EXISTING TREATMENT BUILDING DEMOLITION SECTIONS – 1 page
- C5-03 – EXISTING TREATMENT BUILDING MODIFICATION PLANS – 1 page
- C5-04 - EXISTING TREATMENT BUILDING MODIFICATION SECTIONS – 1 page
- DT-03 – MISCELLANEOUS DETAILS – 1 page

A total of 27 pages or sheets of drawings (including this page) have been included in Addendum No. 1.

General Contractors are requested to return this page as an acknowledgement that you have received this Addendum by e-mail. This will NOT be mailed. A copy of this Addendum may be picked up at the office of the Engineer.

Return to Return to Alabama Graphics Digital Plan Room.

Received By \_\_\_\_\_

Contractor \_\_\_\_\_

Date \_\_\_\_\_

**ITEM I  
ADVERTISEMENT FOR BIDS**

Sealed proposals will be received by the City of Fairhope, at their office, 555 South Section Street Fairhope, Alabama 36532 until **10:00 am, local time** on **Thursday June 30, 2022** for the construction of the:

**Bid 019-22 Water Treatment Plant No. 3 Expansion**  
**Project No. WA002-22 Water Treatment Plant No. 3 Expansion**

at which time and place they will be publicly opened and read. A summary of the work items is included below:

- Install a new well pump.
- Construct a new Treatment Building to include Finished Water Pump Station, Electrical Room, and Chemical Room.
- Selective demolition and reconfiguring the existing Treatment Building, Clearwell, and Finished Water Pump Station structure.
- New Fluoride, Sodium Hypochlorite, Liquid Lime, and Phosphate chemical feed systems.
- Yard piping to accommodate the improvements.
- Electrical improvements.
- SCADA

A voluntary pre-bid meeting will be held at the City of Fairhope Public Utilities Facility, 555 South Section Street Fairhope, AL 36532 at 10:00 a.m. local time on Wednesday, June 1, 2022 to receive questions from interested parties. Bidders can visit the project site individually following the meeting. Any required answers or responses will be issued by Addendum.

The work of constructing the project will be let under one Contract if an award should be made; and the Owner reserves the right to select the Bid considered by the Owner to be in the best interest of the Owner.

A cashier's check or bid bond payable to **City of Fairhope** in an amount not less than five (5) percent of the amount of the bid, but in no event more than \$10,000, must accompany the bidder's proposal. Performance and Payment Bonds and evidence of insurance required in the bid documents will be required at the signing of the Contract.

Bid Documents may be examined at the office of the Engineer, Dodge Data & Analytics, Isqft CMD Group, and City of Fairhope.

Bid Documents may be obtained from Alabama Graphics eDistribution Digital Plan Room and can be contacted at 205.252.8505; 2801 5th Ave, South, Birmingham, AL 35233; or [dpr.algraphics.com](http://dpr.algraphics.com).

Bids must be submitted on proposal forms furnished by the Engineer. All bidders bidding in amounts exceeding that established by the state licensing board for general contractors must be licensed under the appropriate/applicable provisions of state law, and must show evidence of license before bidding or bid will not be received or considered by the Engineer; the bidder shall show such evidence by clearly displaying his or her current license number on the outside of the sealed envelope in which the proposal is delivered. The Owner reserves the right to reject any or all proposals and to waive technical errors if, in the Owner's judgment, the best interest of the Owner will thereby be promoted.

**OWNER**

City of Fairhope  
555 South Section Street  
Fairhope, AL 36532  
256.928.8003

**ENGINEER**

Krebs Engineering, Inc.  
2100 River Haven Drive Suite 100  
Birmingham, AL 35244  
205.987.7411

**INVITATION TO BID DATE:** May 15, 2022 advertisement

**BID NAME AND BID No.:** **Bid No. 019-22 Water Treatment Plant No. 3 Expansion**

**VOLUNTARY PRE-BID MEETING DATE:** **June 1, 2022, Wednesday at 10:00 A.M** (Central-time)  
Fairhope City Services and Utility Building  
555 S. Section St.  
Fairhope, AL 36532

**LOCATION OF BID OPENING:** Fairhope City Services and Utility Building  
555 S. Section St., Fairhope, AL

**QUESTIONS MUST BE SUBMITTED BY:** Was: June 10, 2022 at 5:00 P.M. (Central)  
**Now: June 16, 2022 at 5:00 P.M. (Central)**

**BID MUST BE PUBLICLY OPENED:** Was: **June 16, 2022, Wednesday at 10:00 A.M.** (Central)  
**Now: June 30, 2022, Wednesday at 10:00 A.M. (Central)**

All bids, with their guarantee (when required), must be enclosed in a sealed, opaque envelope, clearly identified on the outside as **“Sealed Bid” with Bid Name, Bid Number, City of Fairhope’s name and address, and the Bidder’s name, address, and General Contractor’s License Number (Mandatory by State law)**. Each bid must be in a separate envelope. Bids made out in pencil will not be accepted. Failure to observe the instructions contained herein will constitute grounds for rejection of your bid. The CITY reserves the right to accept or reject all bids, or any portions thereof, and to waive informalities, and to furnish any item of material or work to change the amount of the **CONTRACT**, whichever is in the best interest of the City of Fairhope.

The City reserves the right to accept or reject all bids or any portion thereof, and to waive informalities and to furnish any item of material or work to change the amount of the **CONTRACT**, whichever is in the best interest of the City of Fairhope.

Sealed bids will be received until the above time and date at which time they will be opened as soon thereafter as practicable.

Sealed must be mailed or hand delivered to one of the following addresses:

**U.S. Postal Service**

City of Fairhope  
Attn: Erin Wolfe, Purchasing Manager  
555 S. Section St.  
Fairhope, AL 36532

**Courier (UPS, FedEx, etc.); Hand Delivered**

City of Fairhope  
Attn : Erin Wolfe, Purchasing Manager  
555 S. Section St.  
Fairhope, AL 36532

Be advised that overnight delivery by express or courier to Fairhope is not guaranteed. **Faxed or e-mailed bids will not be accepted.**

Questions or comments pertaining to this ITB must be sent to the **Purchasing Manager, Erin Wolfe**, forty-eight (48) hours prior to the ITB opening or will be forever waived.

## SECTION 01 10 00 - SUMMARY

### **PART 1 - GENERAL**

#### 1.1 PROJECT INFORMATION

- A. Project Name and Location/Address:  
Water Treatment Plant No. 3 Site  
See location map in drawings
- B. Owner Information:  
City of Fairhope  
555 South Section Street  
Fairhope, AL 36532
- C. Owner Contact:  
Jason Langley  
251-928-8003; ext 420  
[jason.langley@fairhopeal.gov](mailto:jason.langley@fairhopeal.gov)
- Curtis Cooper  
251-331-0892  
[curtis.cooper@fairhopeal.gov](mailto:curtis.cooper@fairhopeal.gov)
- D. Engineer Information  
Krebs Engineering, Inc.  
Caleb Leach, P.E.  
2100 River Haven Drive, Suite 100 Birmingham, AL 35244  
[caleb.leach@krebseng.com](mailto:caleb.leach@krebseng.com)  
205-987-7411
- E. Subconsultant Information
1. Jackson, Renfro & Associates, Inc.(Electrical)  
Phil Black, P.E.  
[Phil@JRAee.com](mailto:Phil@JRAee.com)  
141 Village St Suite #1  
Birmingham, AL 35242  
205.995.1078
  2. Live Oak Engineering (Structural)  
Patrick Plourde, P.E.  
[patrick@liveoakengineering.com](mailto:patrick@liveoakengineering.com)  
2522 Valleydale Road, Suite 300  
Birmingham, AL 35244  
205.637.3115

3. Architectural Cooperative (Architect)  
Jared Bussey, AIA  
jaredb@architecturalcooperative.net  
2917 Central Ave, Suite 305  
Birmingham, AL 35209  
205-533-3563
  
4. Pinnacle Engineering (Mechanical)  
James Hogland, P.E.  
jamesh@pinnacleegr.com  
2111 Parkway Office Circle, Suite 125  
Birmingham, AL 35244  
205-733-6912
  
5. Contour Engineering (Geotechnical)  
Jason Ayers P.E.  
jason@contourengr.com  
2148 Pelham Parkway, Suite 100A  
Pelham, AL 35124  
205-682-2013

#### 1.1 DESCRIPTION OF WORK INCLUDED IN THIS CONTRACT

- A. The Work included in this Contract generally consists of a new treatment building that will include a new Finished Water Pump Station, Electrical Room, and Chemical Room, install new well pump in Well No. 11 previously drilled by Griner, new chemical feed facilities to include liquid lime, sodium hypochlorite, phosphate, and fluoride, modifications to the existing clearwell and treatment building, SCADA, electrical upgrades, miscellaneous yard piping to accommodate the improvements, and other associated items. The requirements of this Section and Division 1 apply to all of the Contract Documents.

#### 1.2 PHASING AND SEQUENCE OF CONSTRUCTION

- A. The Owner anticipates some time after contracts are executed but prior to the Notice to Proceed being issued for submittal review and material/equipment procurement. The existing water treatment plant has to remain in operation between the months of April – October. The Contractor is responsible to maintain access to the existing treatment facilities during this period. All connections to the existing wells and demolition inside the existing treatment building will need to be made outside these months. The new plant and treatment building can be started up prior to the work inside the existing treatment building being completed.

#### 1.3 COMMISSIONING PERIOD

- A. All new facilities shall undergo a commissioning period.
- B. The commissioning period shall be 30 consecutive operational days.

- C. Any operational issues experienced during the commissioning period may at the discretion of the Owner, require the restart of the commissioning period.

#### 1.4 ACCESS TO SITE

- A. The Contractor shall have full use of the site unless otherwise stated in the Contract Documents. The Contractor shall limit work activities to areas within the limits of disturbance shown on the Drawings, and shall not disturb areas of the site that are beyond the Limits of Disturbance.
- B. The Contractor shall maintain Owner use and access to buildings, driveways and other facilities at all times, unless specific exceptions are included in the Contract Documents.
- C. The Contractor shall be solely responsible for protecting all existing and adjacent facilities from construction activities at all times, and shall be responsible for repairing any damage that results from construction of the Work.

#### 1.5 COORDINATION WITH THE OWNER

- A. Unless otherwise shown/stated specifically, the Owner will occupy the existing facilities during the construction period.
- B. The Contractor shall minimize impacts from construction activities and shall not interfere with the Owner's operations unless and until 72 hours prior written notice has been provided to the Owner and written approval has been received from the Owner.

#### 1.6 WORK HOURS AND OTHER RESTRICTIONS

- A. The Contractor shall limit work hours as described in the General Conditions. On site work hours shall be between 7 a.m. and 6 p.m. Monday - Friday unless prior written permission is obtained.
- B. The Contractor shall take all necessary precautions/measures to limit noise, dust, odors and other disruptive impacts to the Owner and/or neighboring properties.
- C. Due to the close proximity of this job site to an existing residential neighborhood, every effort must be made to limit construction related noise prior to 7:00 a.m. Under no circumstance shall any equipment be started or operated prior to this time.

### **PART 2 - PRODUCTS (Not Used)**

### **PART 3 - EXECUTION (Not Used)**

### **END OF SECTION 01 10 00**





05/15/2022

BID SET

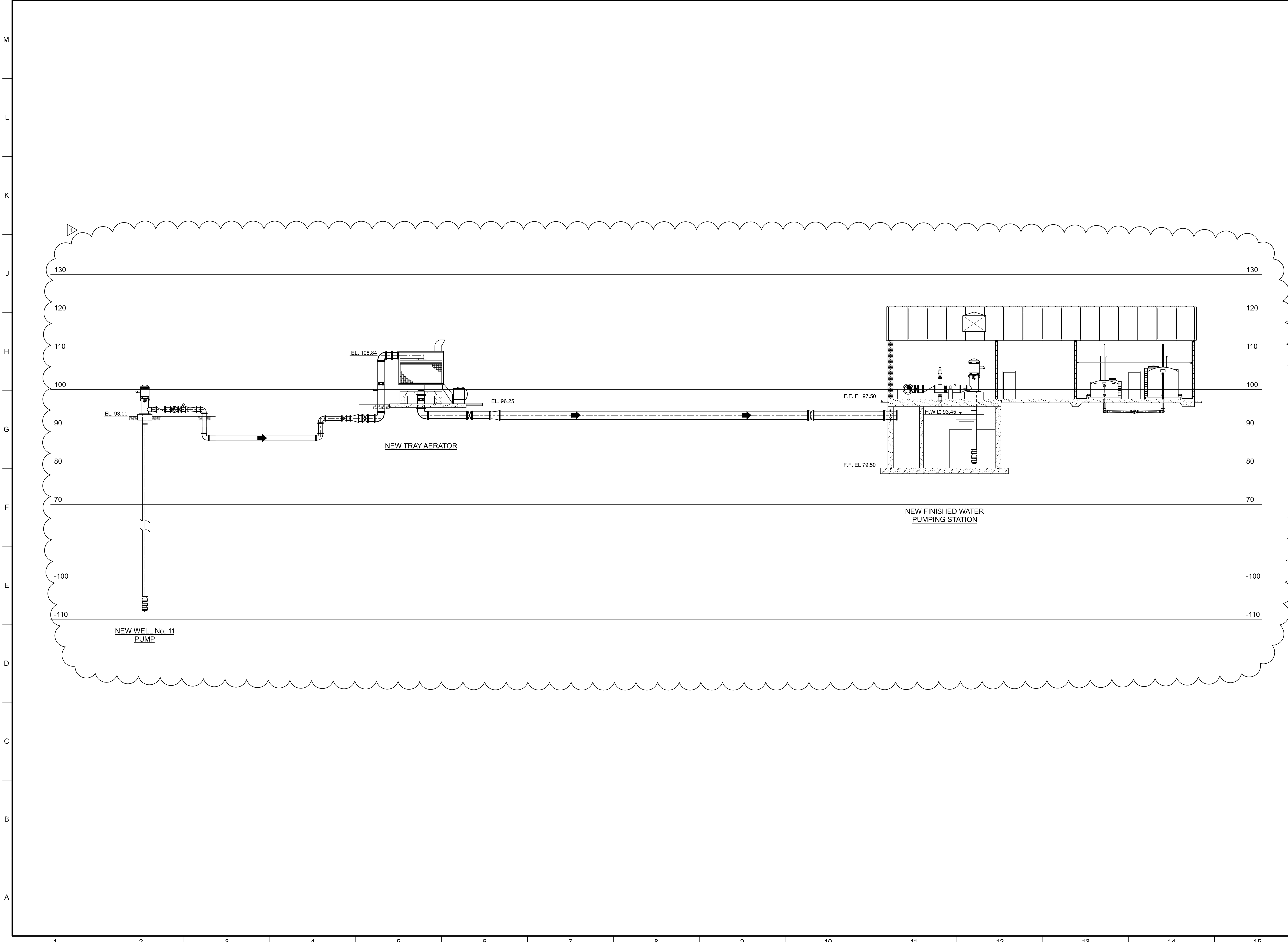
CITY OF FAIRHOPE  
WATER TREATMENT PLANT NO. 3  
EXPANSION  
FAIRHOPE, ALABAMA



Designed ADM	Project No. 21036
Drawn ADM / CLM	
Checked OLL	

No.	Date	Description
1	6/6/2022	ADDENDUM NO. 1

Sheet Title	
HYDRAULIC PROFILE	
Issue Date MAY, 2022	Sheet No. G0-04
Sequence 4 of 92	



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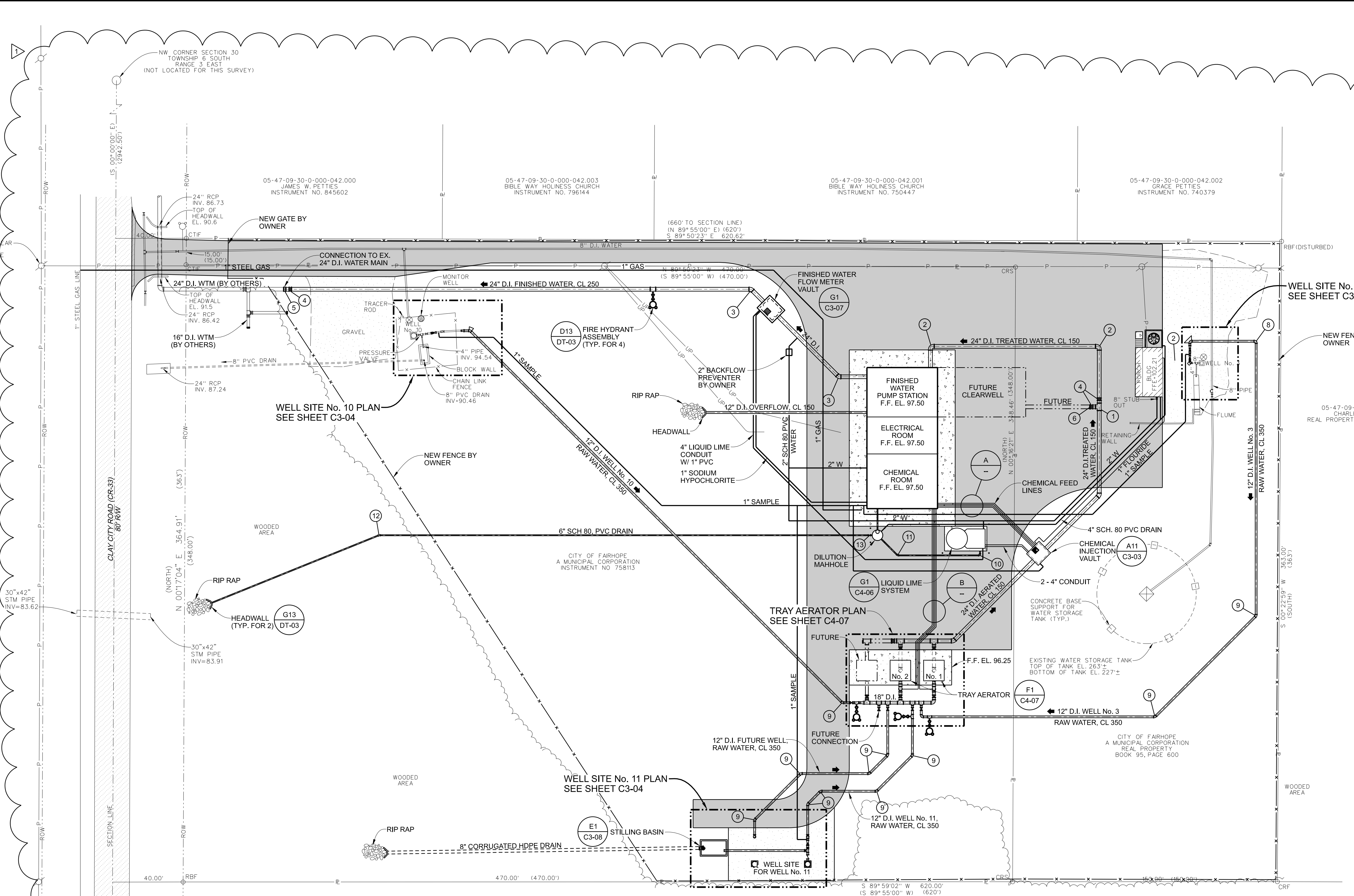
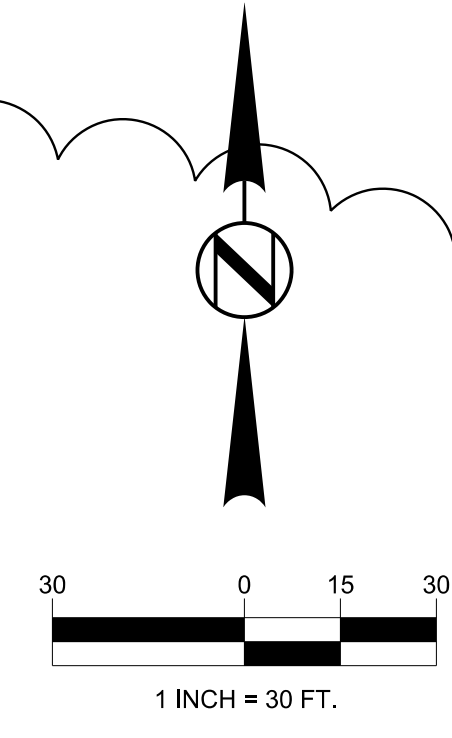


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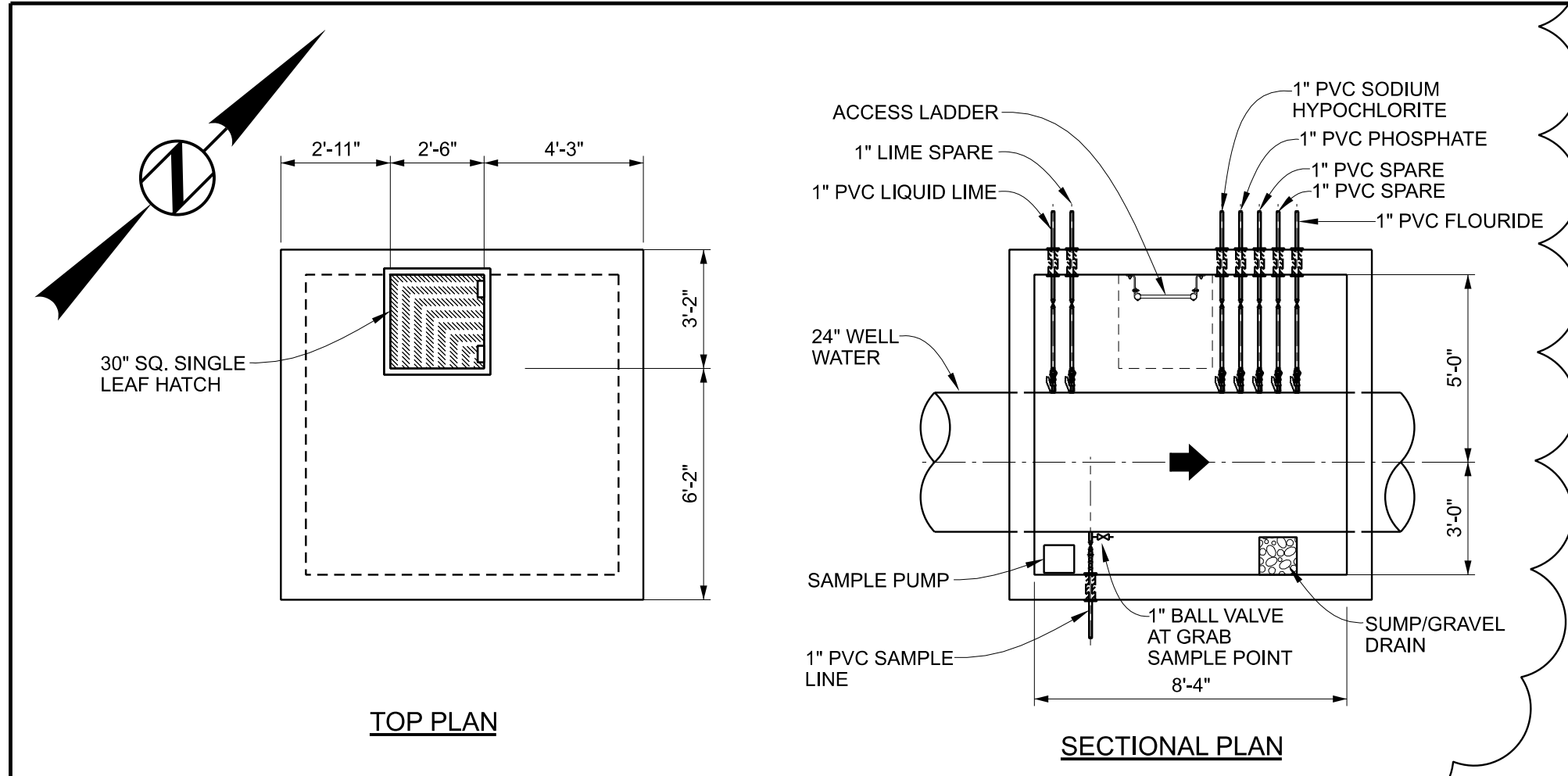
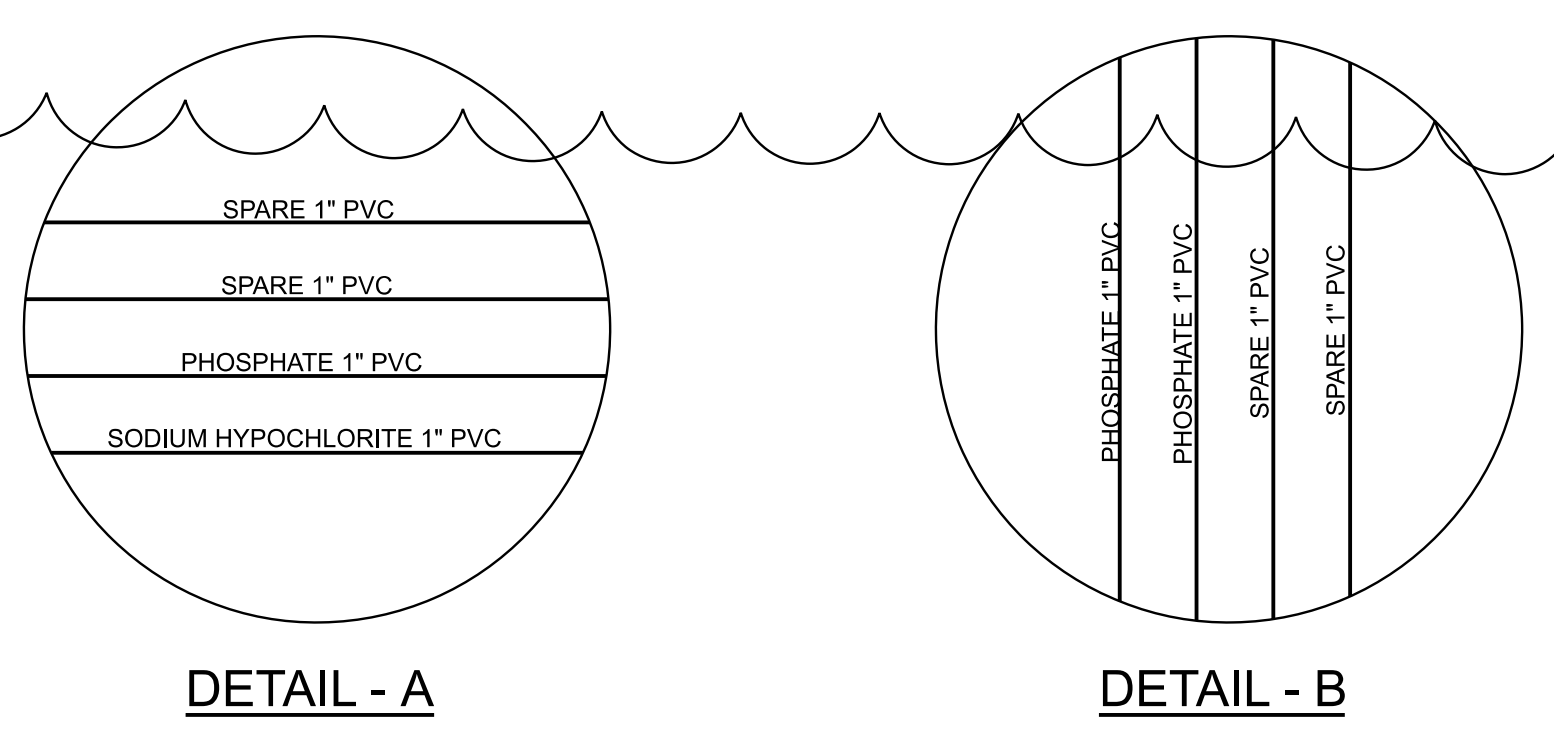
Revisions	No.	Date	Description
	1	6/6/2022	ADDENDUM NO. 1

Sheet Title
YARD PIPING PLAN

Issue Date MAY, 2022	Sheet No. C3-03
Sequence 20 of 92	



- FITTINGS LIST**
- 1 24" x 24" D.I. TEE, ALL RJ
  - 2 24" D.I. 90° BEND, RJ-RJ
  - 3 24" D.I. 45° BEND, RJ-RJ
  - 4 24" D.I. BUTTERFLY VALVE, RJ-RJ
  - 5 24" D.I. SLEEVE, RJ-RJ
  - 6 24" D.I. PLUG, RJ
  - 7 RESERVED
  - 8 12" D.I. 90° BEND, RJ-RJ
  - 9 12" D.I. 45° BEND, RJ-RJ
  - 10 6" D.I. 90° BEND, MJ-MJ
  - 11 6" D.I. 45° BEND, MJ-MJ
  - 12 6" D.I. 22 1/2° BEND, MJ-MJ
  - 13 6" D.I. GATE VALVE, MJ-MJ





BID SET

CITY OF FAIRHOPE  
 WATER TREATMENT PLANT NO. 3  
 EXPANSION  
 FAIRHOPE, ALABAMA



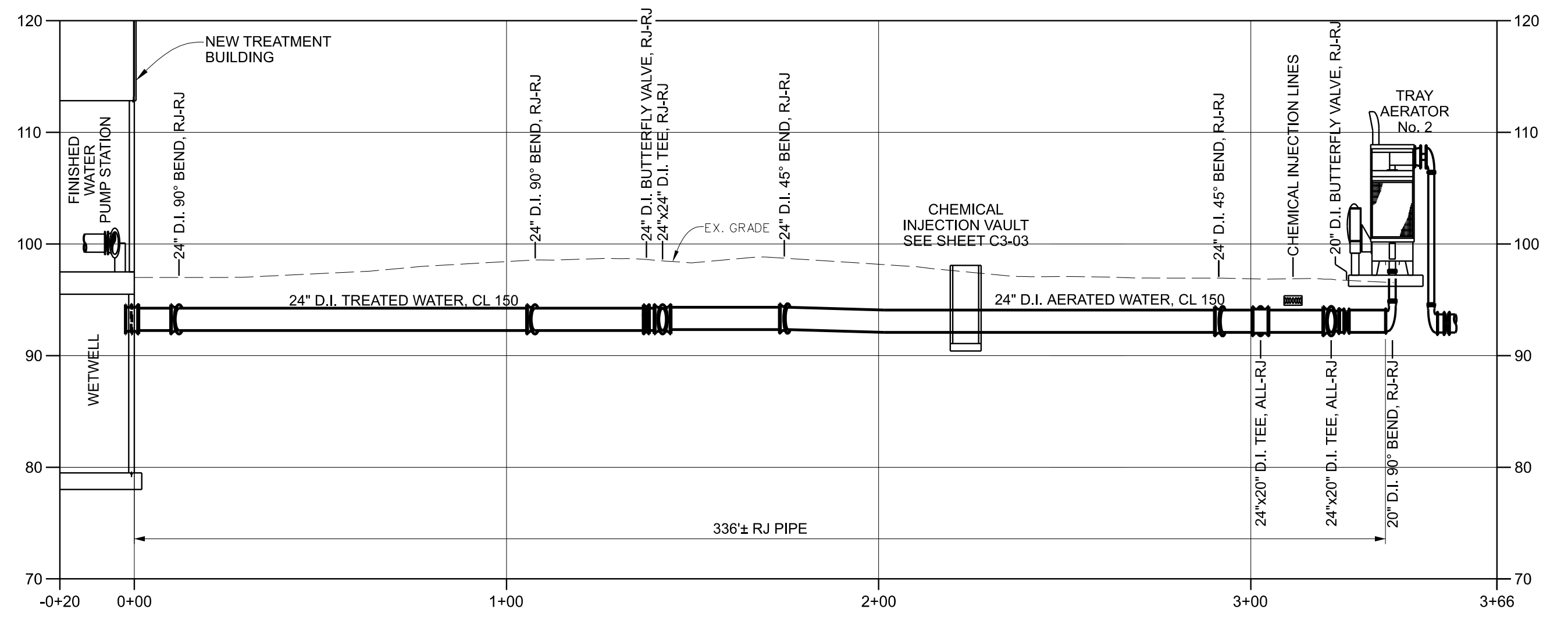
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 Project No.: 21036

Revisions  
 No. Date Description  
 1 6/6/2022 ADDENDUM NO. 1

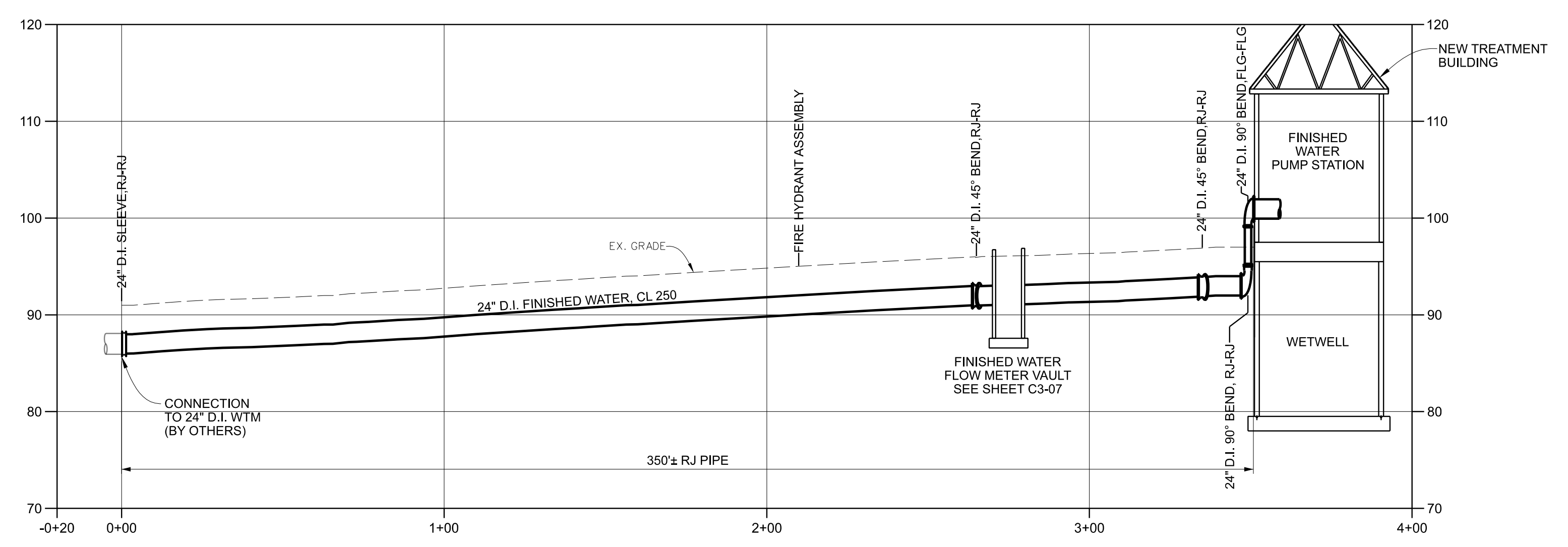
No.	Date	Description
1	6/6/2022	ADDENDUM NO. 1

Sheet Title  
**YARD PIPING PROFILES**

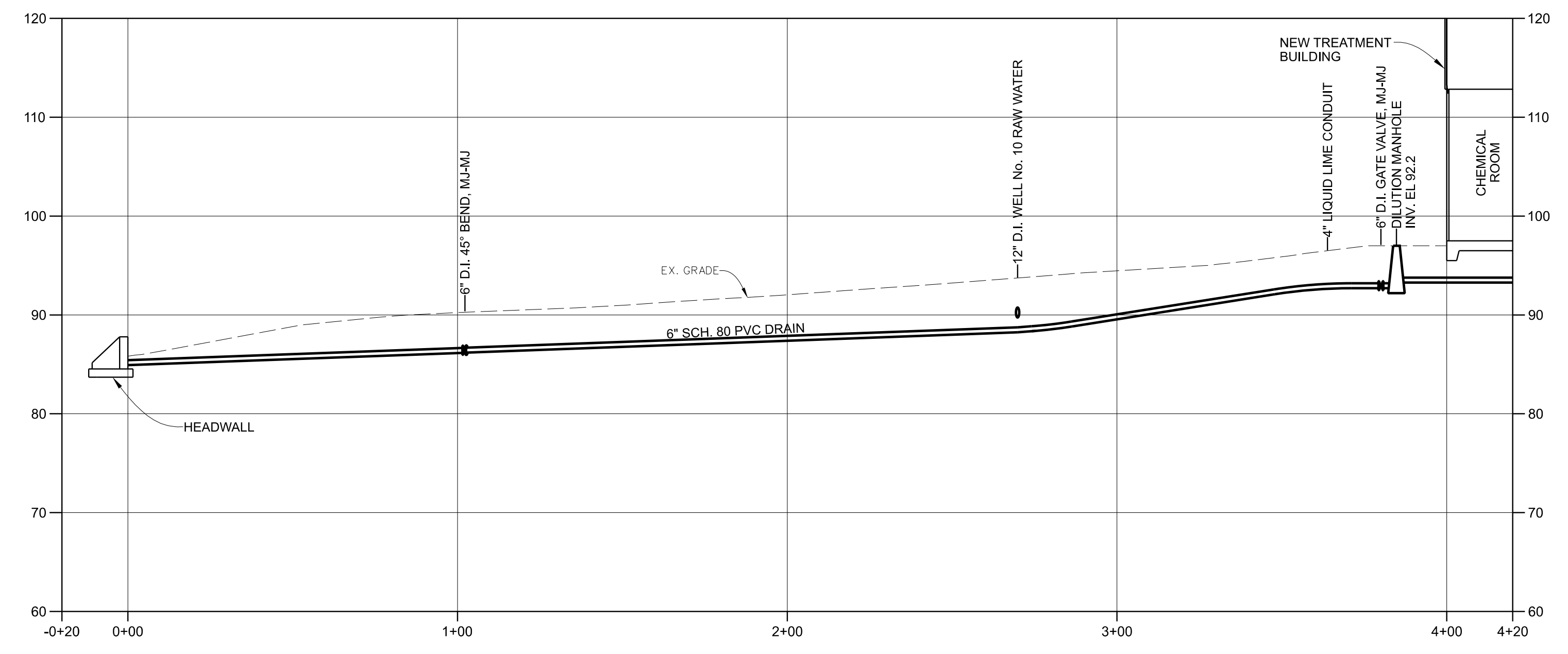
Issue Date: MAY, 2022  
 Sheet No.: C3-06  
 Sequence: 23 of 92



J1 24" D.I. AERATED WATER / TREATED WATER FROM TRAY AERATOR PROFILE



E1 24" D.I. FINISHED WATER PROFILE



A1 6" PVC DRAIN PROFILE

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

BID SET

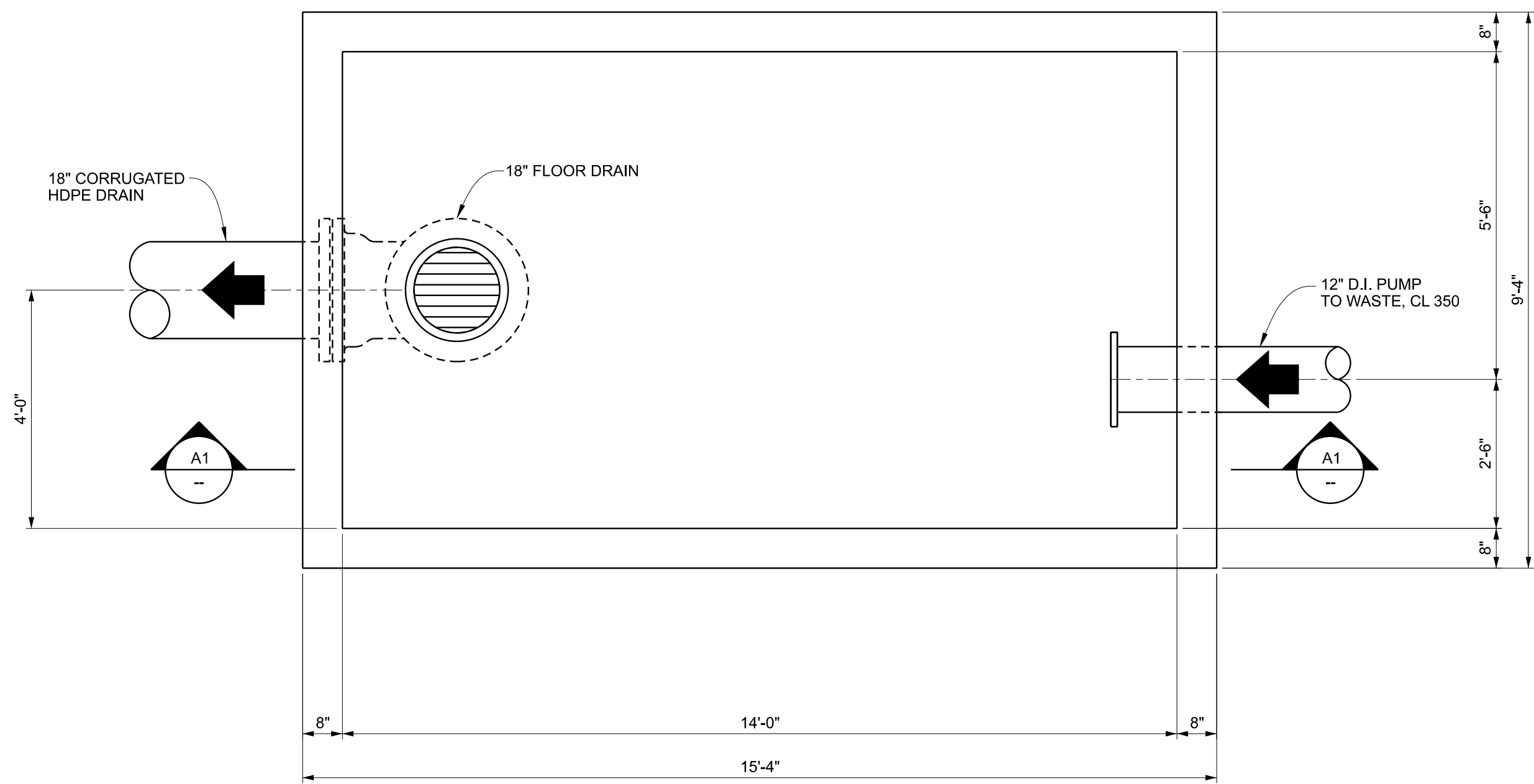
CITY OF FAIRHOPE  
WATER TREATMENT PLANT NO. 3  
EXPANSION  
FAIRHOPE, ALABAMA



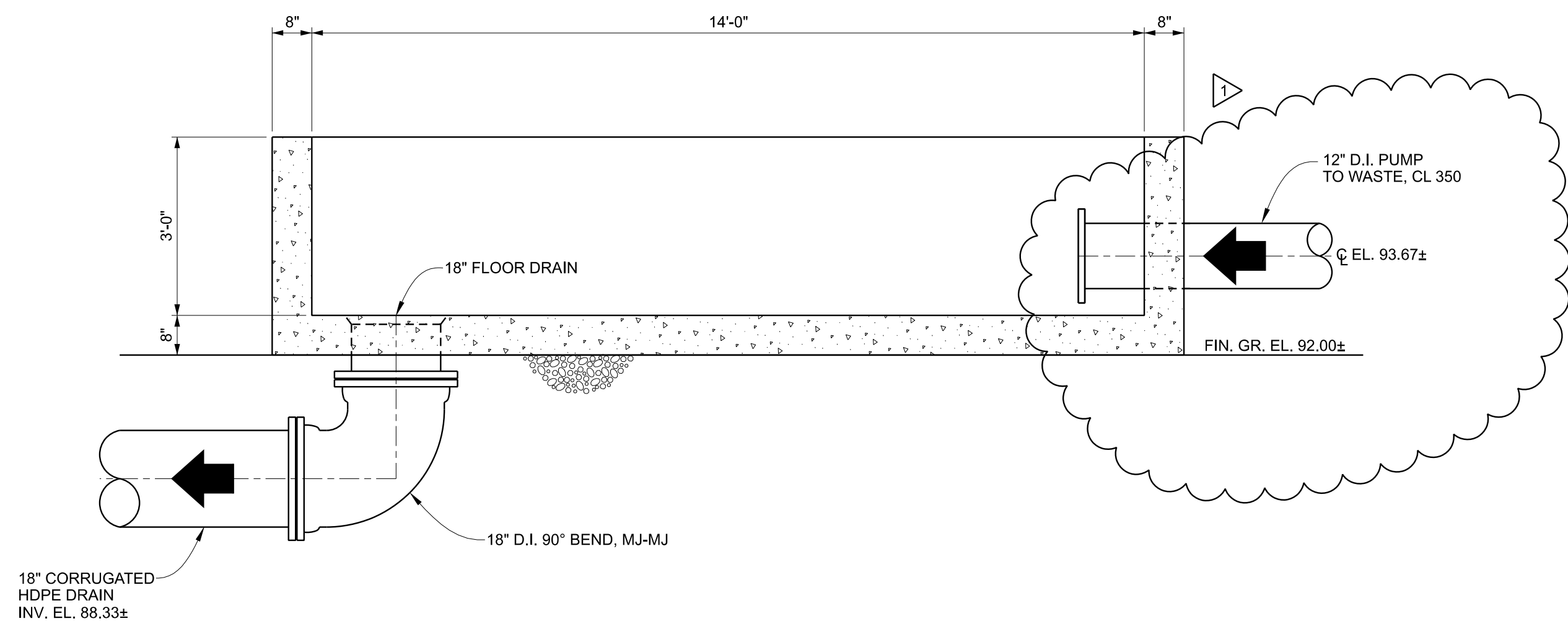
Designed ADM	Project No. 21036
Drawn ADM / CLM	
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Revisions	No.	Date	Description
	1	6/6/2022	ADDENDUM NO. 1

Sheet Title <b>STILLING BASIN PLAN &amp; SECTION</b>	
Issue Date <b>MAY, 2022</b>	Sheet No. <b>C3-08</b>
Sequence 25 of 92	

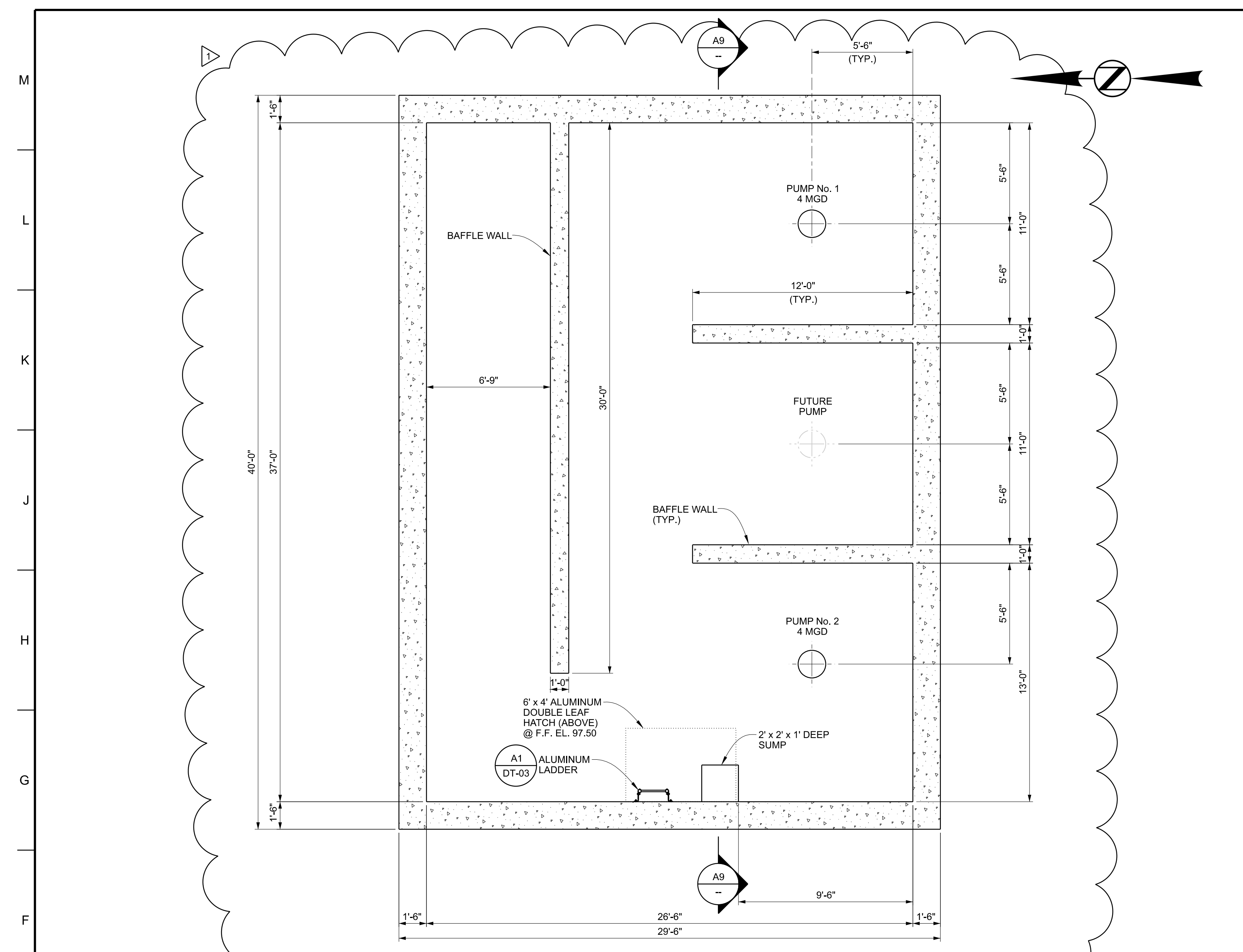


F1 PLAN 1/2" = 1'-0"

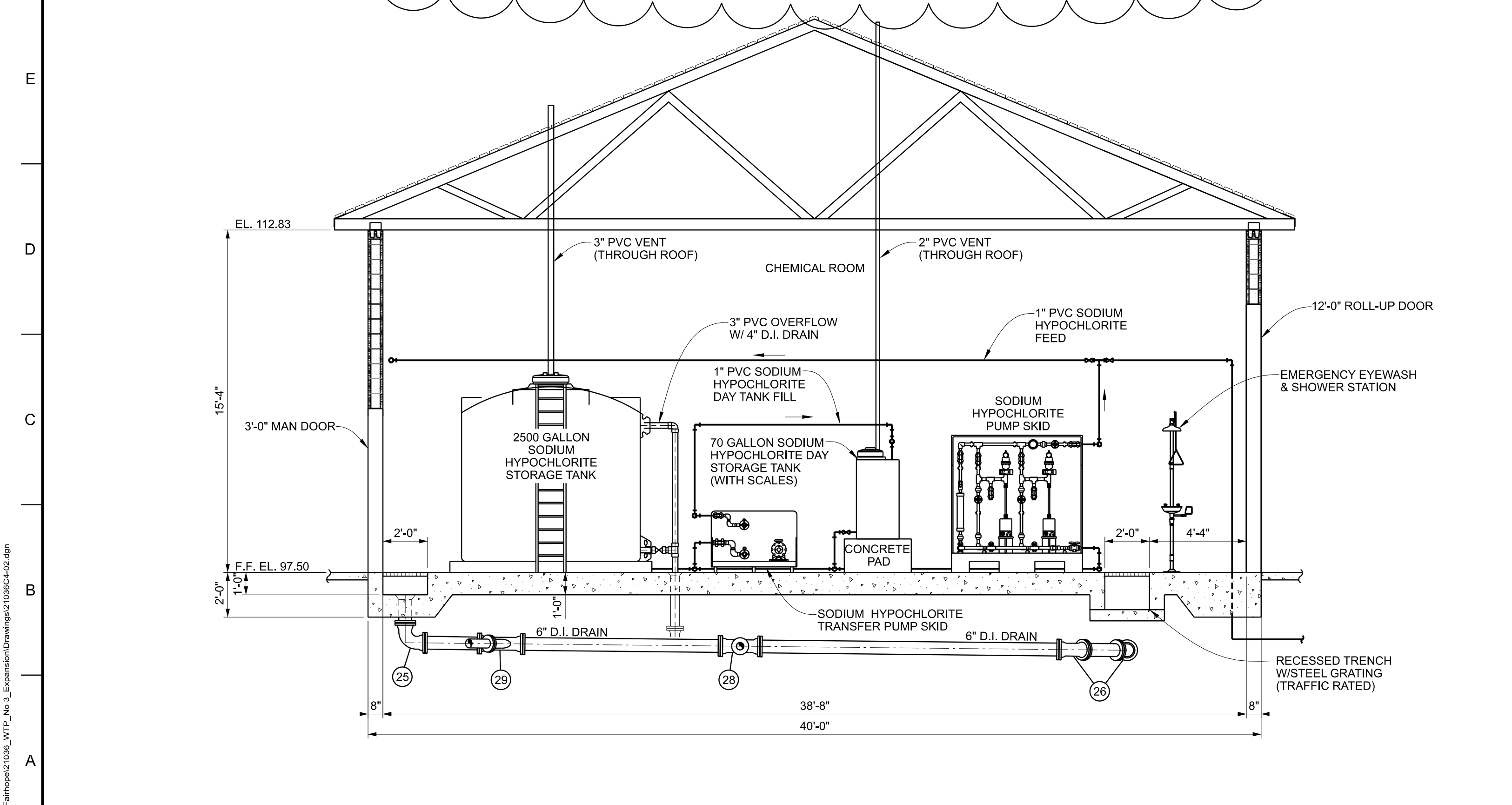


A1 SECTION 1/2" = 1'-0"

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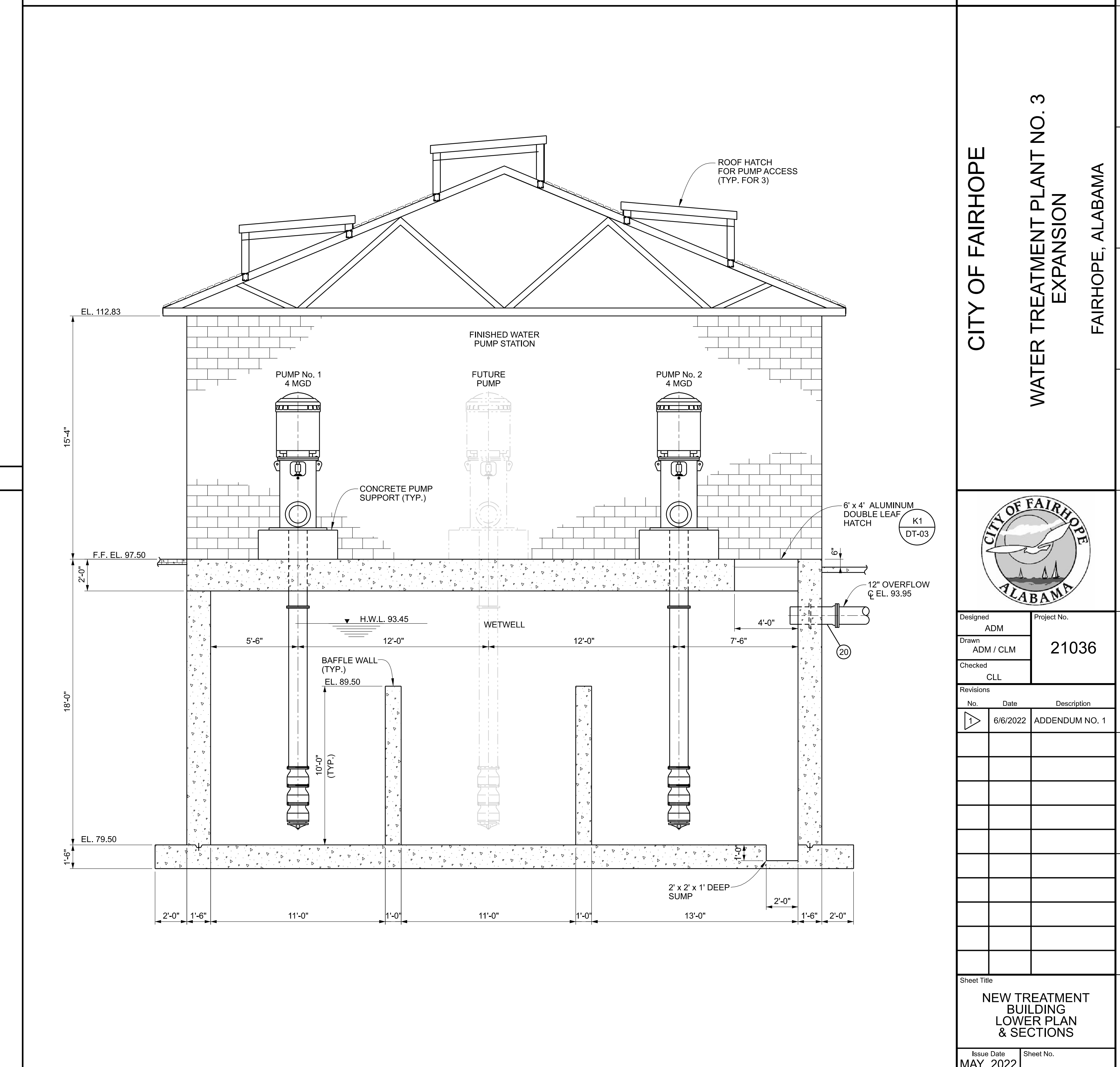


F1 LOWER PLAN 1/4" = 1'-0"

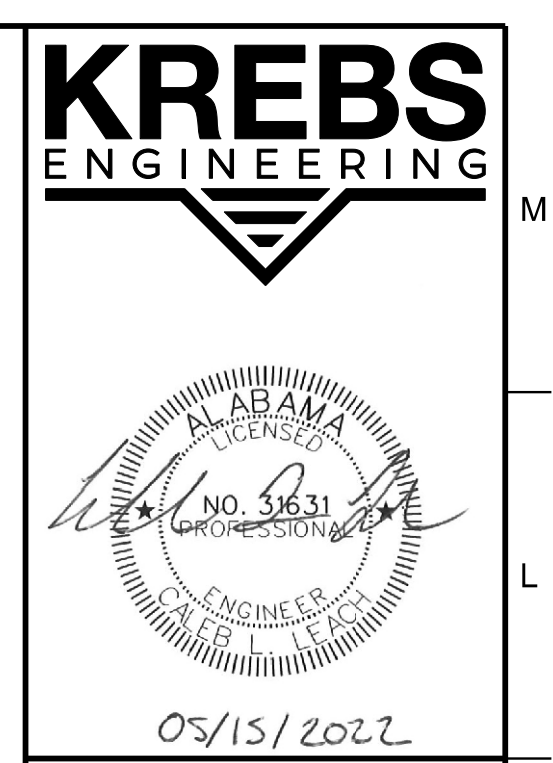


A1 SECTION 1/4" = 1'-0"

- ### FITTINGS LIST
- |  |  |
|--|--|
| 1 24" D.I. WALL PIPE, RJ-WS-FLG              | 16 18" D.I. CHECK VALVE, FLG-FLG           |
| 2 RESERVED                                   | 17 18" D.I. MECHANICAL COUPLING            |
| 3 24" D.I. PIPE, FLG-PE                      | 18 18" D.I. PIPE, FLG-PE W/ 4" WELDED BOSS |
| 4 RESERVED                                   | 19 18" x 12" ECCENTRIC REDUCER, FLG-FLG    |
| 5 24" D.I. 90° BEND, FLG-FLG                 | 20 12" D.I. WALL PIPE, MJ-WS-PE            |
| 6 24" D.I. 90° BEND, RJ-RJ                   | 21 10" x 8" D.I. REDUCER, FLG-FLG          |
| 7 24" D.I. PIPE, FLG-FLG W/ 10" WELDED BOSS  | 22 8" D.I. GATE VALVE, FLG-FLG             |
| 8 24" D.I. MECHANICAL COUPLING               | 23 8" D.I. SURGE CONTROL VALVE, FLG-FLG    |
| 9 24" x 18" D.I. TEE, ALL FLG                | 24 8" D.I. 90° BEND, FLG-FLG               |
| 10 24" x 18" D.I. REDUCING 90° BEND, FLG-FLG | 25 6" D.I. 90° BEND, MJ-MJ                 |
| 11 RESERVED                                  | 26 6" D.I. 45° BEND, MJ-MJ                 |
| 12 18" D.I. BUTTERFLY VALVE, FLG-FLG         | 27 6" x 6" D.I. TEE, ALL MJ                |
| 13 18" D.I. BLIND FLANGE                     | 28 6" x 4" D.I. CROSS, ALL MJ              |
| 14 18" D.I. PIPE, FLG-PE                     | 29 6" x 4" D.I. WYE, ALL MJ                |
| 15 18" D.I. PIPE, FLG-FLG                    | 30 4" D.I. 90° BEND, MJ-MJ                 |
- NOTE: ALL UNDERSLAB PIPING SHALL BE RESTRAINED AND ENCASED IN CONCRETE.



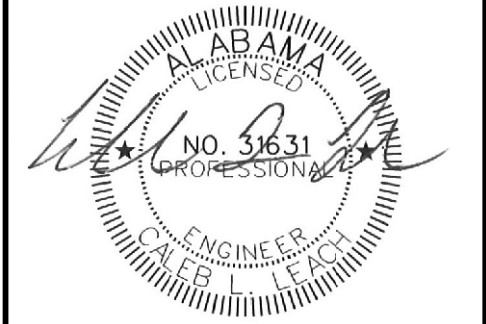
A9 SECTION 1/4" = 1'-0"



CITY OF FAIRHOPE  
WATER TREATMENT PLANT NO. 3  
EXPANSION  
FAIRHOPE, ALABAMA

Designed ADM	Project No. <b>21036</b>
Drawn ADM / CLM	Checked CLL
Revisions	No. Date Description
	6/6/2022 ADDENDUM NO. 1
Sheet Title <b>NEW TREATMENT BUILDING LOWER PLAN &amp; SECTIONS</b>	
Issue Date <b>MAY, 2022</b>	Sheet No. <b>C4-02</b>
Sequence 29 of 92	





BID SET

CITY OF FAIRHOPE  
 WATER TREATMENT PLANT NO. 3  
 EXPANSION  
 FAIRHOPE, ALABAMA

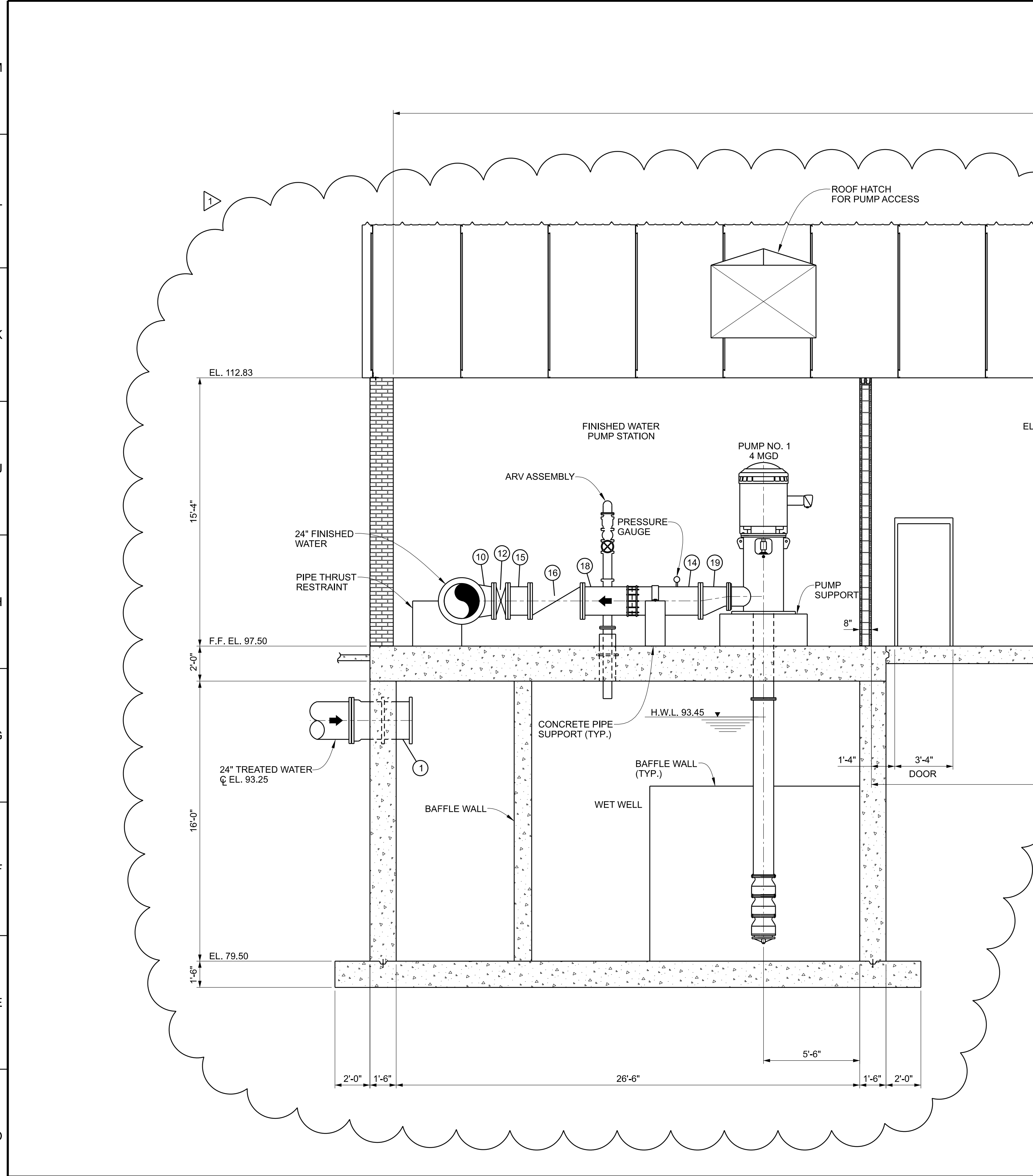


Designed: ADM  
 Drawn: ADM / CLM  
 Checked: OLL  
 Project No.: 21036

Revisions	No.	Date	Description
	1	6/6/2022	ADDENDUM NO. 1

Sheet Title	
NEW TREATMENT BUILDING SECTIONS	

Issue Date: MAY, 2022  
 Sheet No.: C4-03

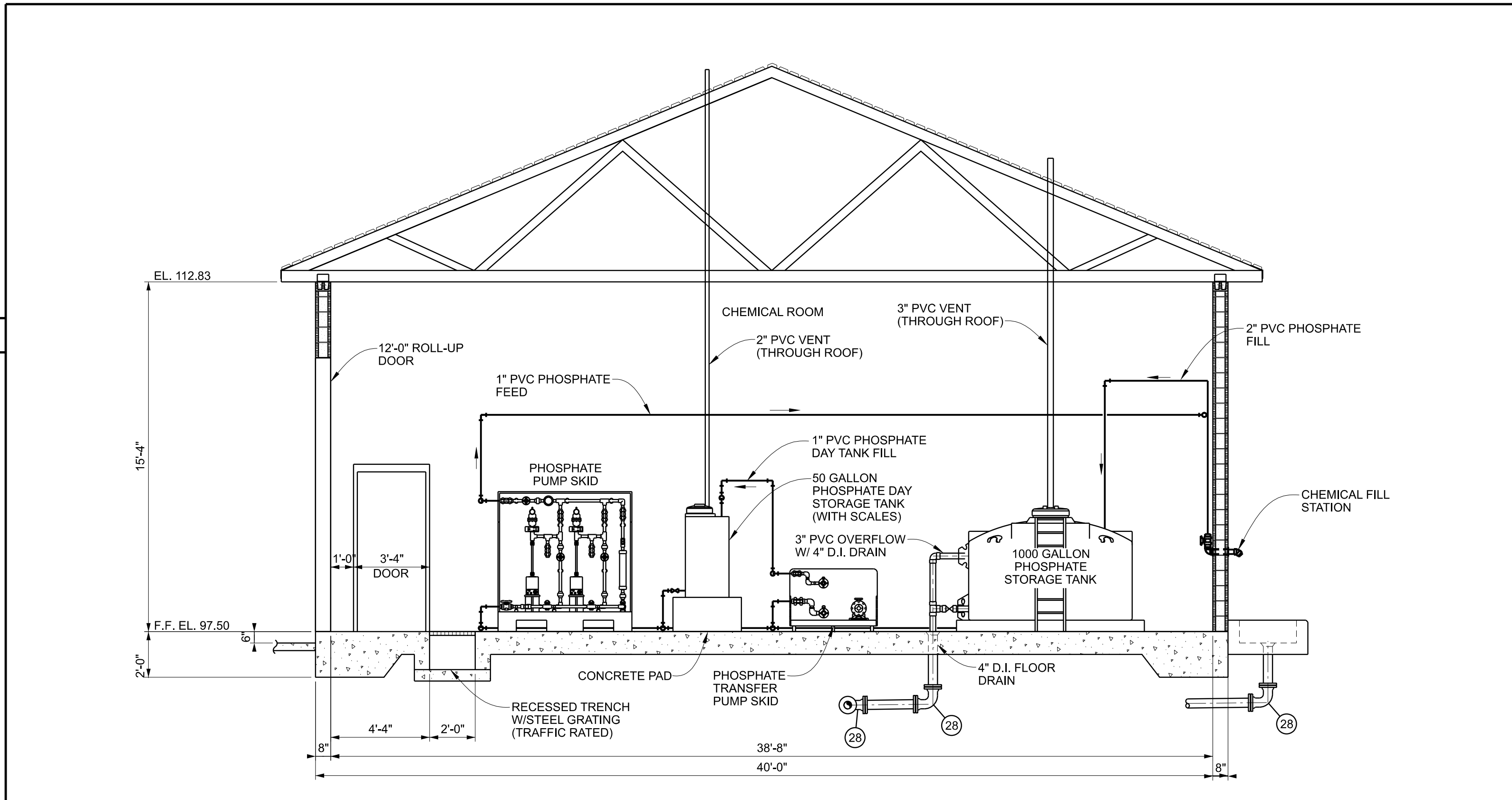


**D1 SECTION** 1/4" = 1'-0"

**FITTINGS LIST**

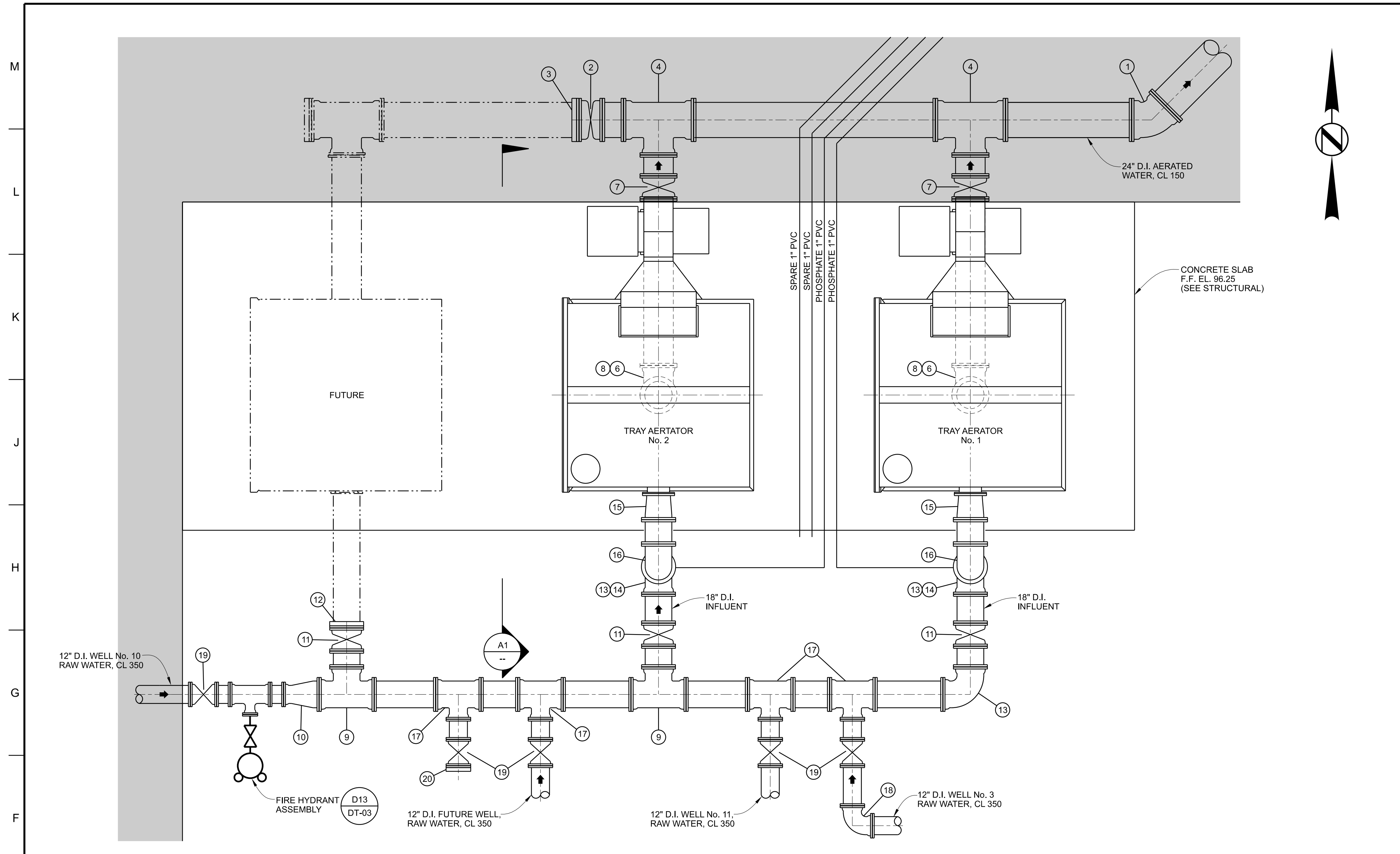
1 24" D.I. WALL PIPE, RJ-WS-FLG	16 18" D.I. CHECK VALVE, FLG-FLG
2 RESERVED	17 18" D.I. MECHANICAL COUPLING
3 24" D.I. PIPE, FLG-PE	18 18" D.I. PIPE, FLG-PE W/ 4" WELDED BOSS
4 RESERVED	19 18" x 12" ECCENTRIC REDUCER, FLG-FLG
5 24" D.I. 90° BEND, FLG-FLG	20 12" D.I. WALL PIPE, MJ-WS-PE
6 24" D.I. 90° BEND, RJ-RJ	21 10" x 8" D.I. REDUCER, FLG-FLG
7 24" D.I. PIPE, FLG-FLG W/ 10" WELDED BOSS	22 8" D.I. GATE VALVE, FLG-FLG
8 24" D.I. MECHANICAL COUPLING	23 8" D.I. SURGE CONTROL VALVE, FLG-FLG
9 24" x 18" D.I. TEE, ALL FLG	24 8" D.I. 90° BEND, FLG-FLG
10 24" x 18" D.I. REDUCING 90° BEND, FLG-FLG	25 6" D.I. 90° BEND, MJ-MJ
11 RESERVED	26 6" D.I. 45° BEND, MJ-MJ
12 18" D.I. BUTTERFLY VALVE, FLG-FLG	27 6" x 6" D.I. TEE, ALL MJ
13 18" D.I. BLIND FLANGE	28 6" x 4" D.I. CROSS, ALL MJ
14 18" D.I. PIPE, FLG-PE	29 6" x 4" D.I. WYE, ALL MJ
15 18" D.I. PIPE, FLG-FLG	30 4" D.I. 90° BEND, MJ-MJ

NOTE: ALL UNDERSLAB PIPING SHALL BE RESTRAINED AND ENCASED IN CONCRETE.



**A8 SECTION** 1/4" = 1'-0"

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F1 PLAN 1/4" = 1'-0"

- FITTINGS LIST**
- |                                   |                                   |
|-----------------------------------|-----------------------------------|
| ① 24" D.I. 45° BEND, RJ-RJ        | ⑪ 18" D.I. BUTTERFLY VALVE, RJ-RJ |
| ② 24" D.I. BUTTERFLY VALVE, RJ-RJ | ⑫ 18" D.I. PLUG, RJ               |
| ③ 24" D.I. PLUG, RJ               | ⑬ 18" D.I. 90° BEND, RJ-RJ        |
| ④ 24" x 20" D.I. TEE, ALL RJ      | ⑭ 18" D.I. PIPE, FLG-PE           |
| ⑤ 20" FLEXIBLE COUPLING           | ⑮ 18" x 16" D.I. REDUCER, FLG-FLG |
| ⑥ 20" D.I. PIPE, FLG-PE           | ⑯ 18" D.I. 90° BEND, FLG-FLG      |
| ⑦ 20" D.I. BUTTERFLY VALVE, RJ-RJ | ⑰ 18" x 12" D.I. TEE, ALL RJ      |
| ⑧ 20" D.I. 90° BEND, RJ-RJ        | ⑱ 12" D.I. 90° BEND, RJ-RJ        |
| ⑨ 18" x 18" D.I. TEE, ALL RJ      | ⑲ 12" D.I. BUTTERFLY VALVE, RJ-RJ |
| ⑩ 18" x 12" D.I. REDUCER, PE-RJ   | ⑳ 12" D.I. PLUG, RJ               |
|                                   | ㉑ 20" MECHANICAL COUPLING         |
|                                   | ㉒ 18" MECHANICAL COUPLING         |

NOTE: ALL UNDERSLAB PIPING SHALL BE RESTRAINED AND ENCASED IN CONCRETE.



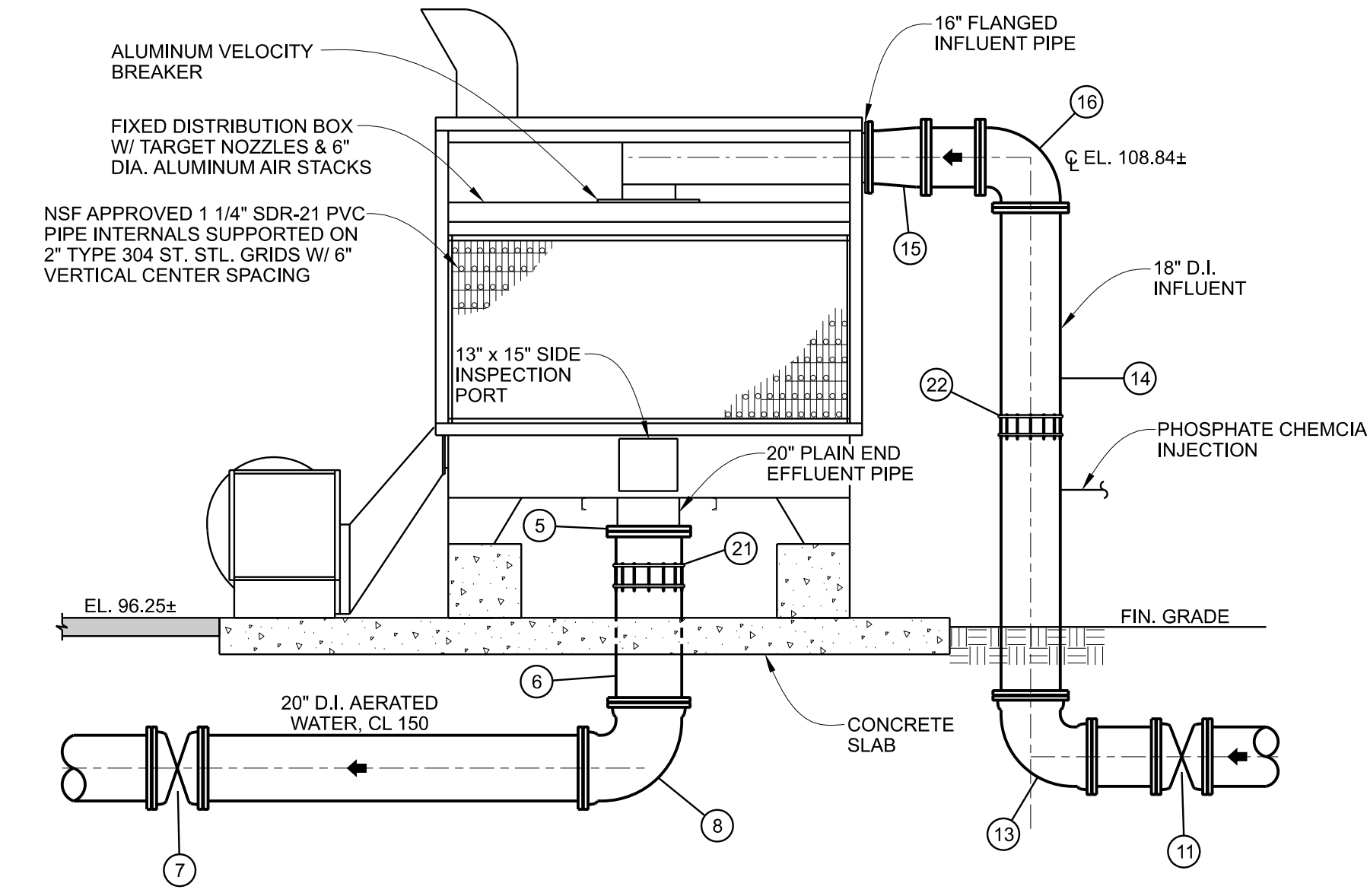
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CITY OF FAIRHOPE  
 WATER TREATMENT PLANT NO. 3  
 EXPANSION  
 FAIRHOPE, ALABAMA



Designed	ADM	Project No.	21036
Drawn	ADM / CLM		
Checked	CLL		

Revisions	No.	Date	Description
	1	6/6/2022	ADDENDUM NO. 1



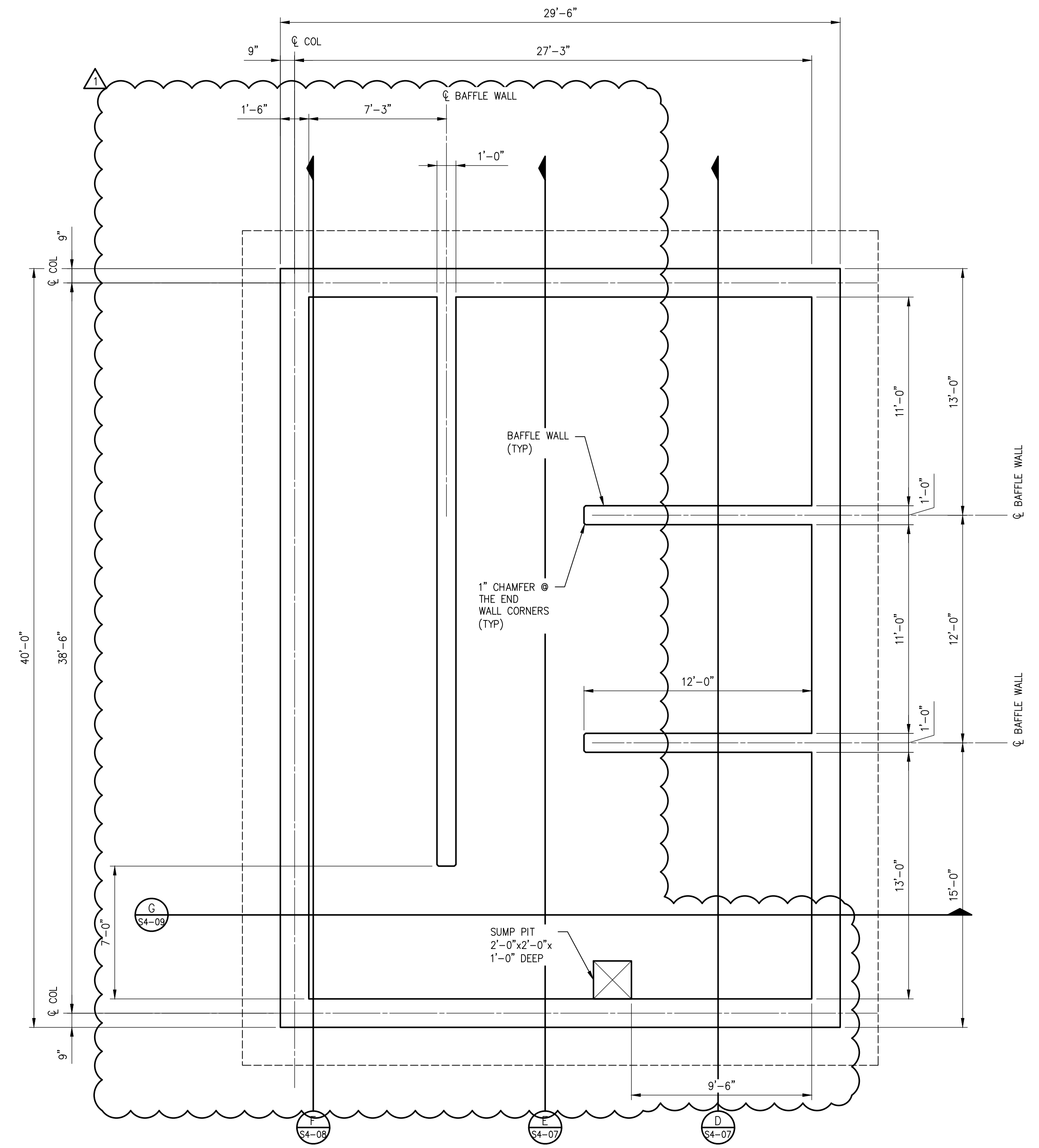
A11 SECTION 1/4" = 1'-0"

TRAY AERATOR SYSTEM PLAN & SECTION

Issue Date	MAY, 2022	Sheet No.	C4-07
Sequence	34 of 92		

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**1**  
**S4-01** NEW TREATMENT  
FOUNDATION PLAN  
1/4" = 1'-0"

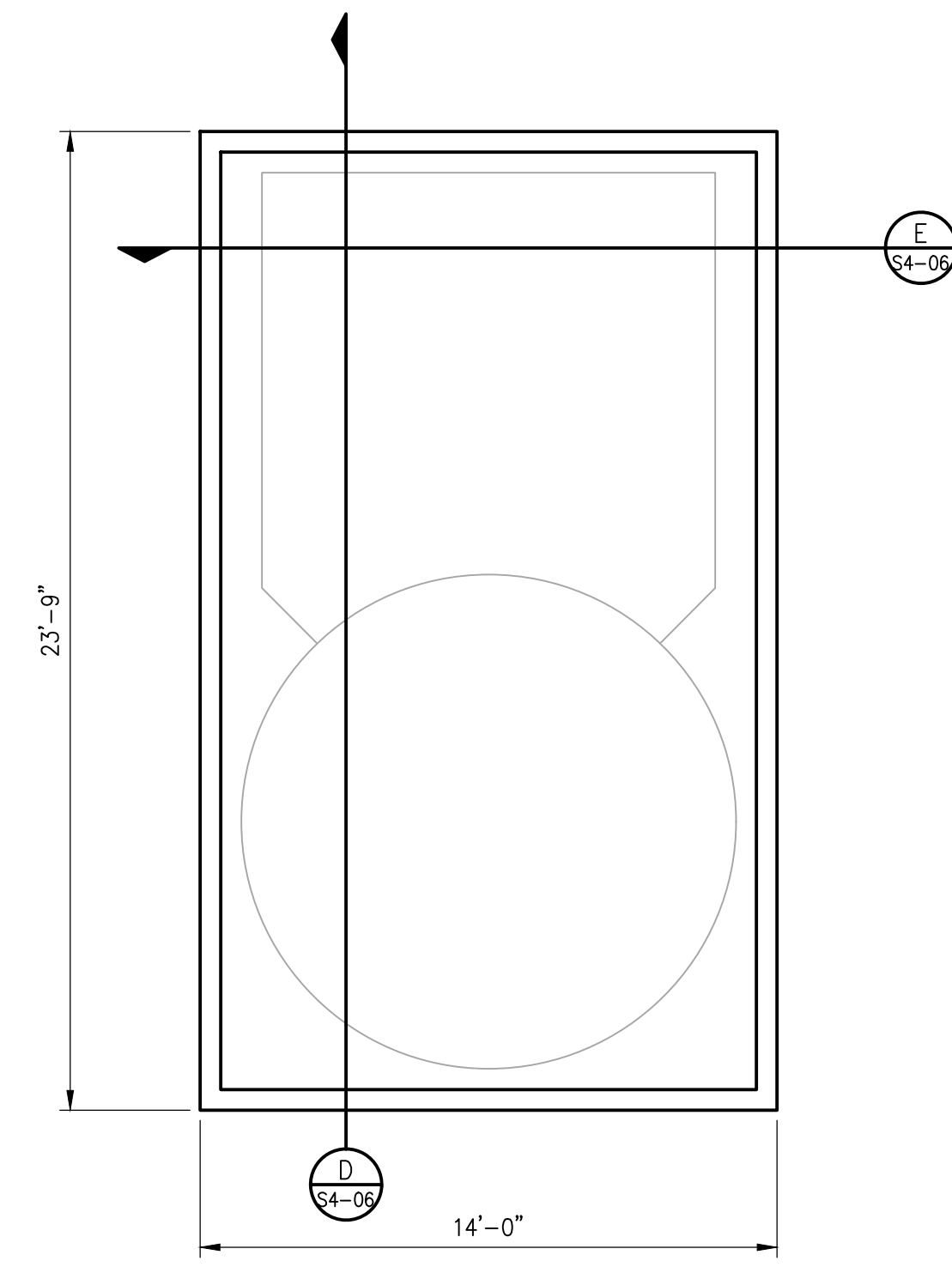
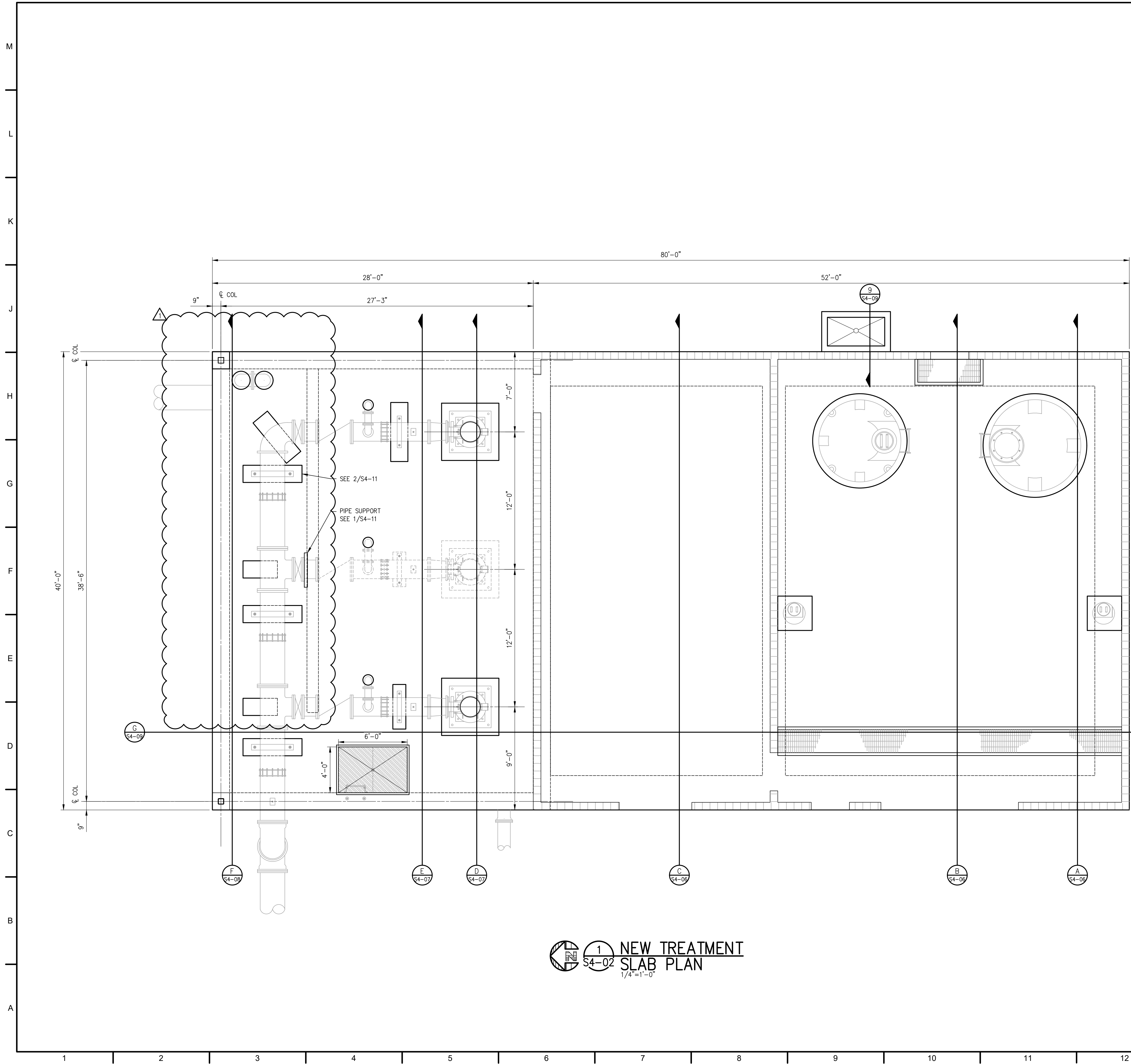


Designed JCF	Project No. 21036
Drawn ABS/LEM	
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No.	Date	Description
1	6-3-22	ADDENDUM #1

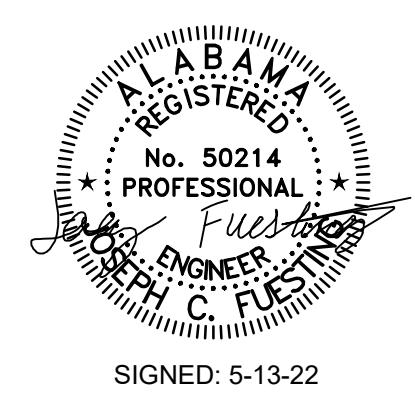
Sheet Title  
STRUCTURAL  
NEW TREATMENT  
FOUNDATION  
PLAN





2 LIQUID LIME  
S4-02 SLAB PLAN  
1/4"=1'-0"

1 NEW TREATMENT  
S4-02 SLAB PLAN  
1/4"=1'-0"



BID SET

CITY OF FAIRHOPE  
WATER TREATMENT PLANT NO. 3  
EXPANSION  
FAIRHOPE, ALABAMA

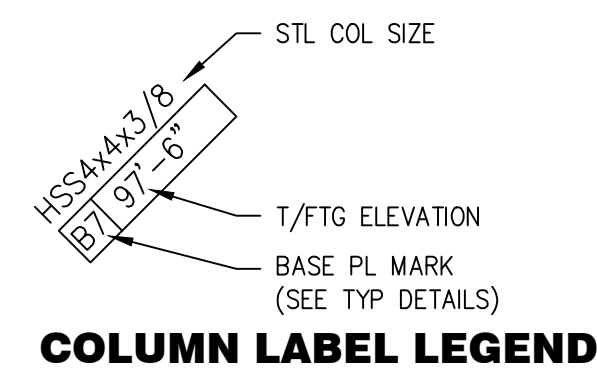
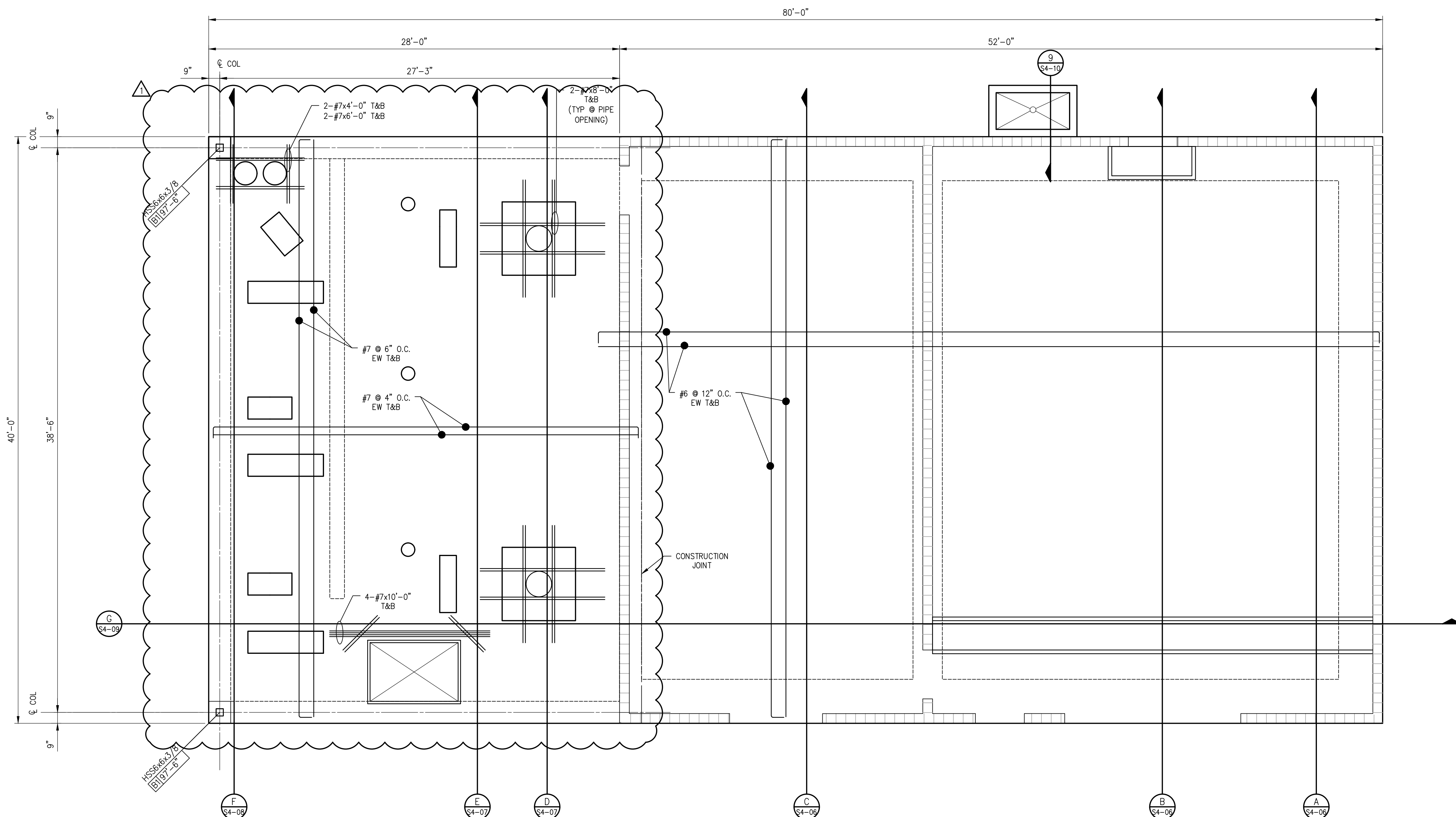


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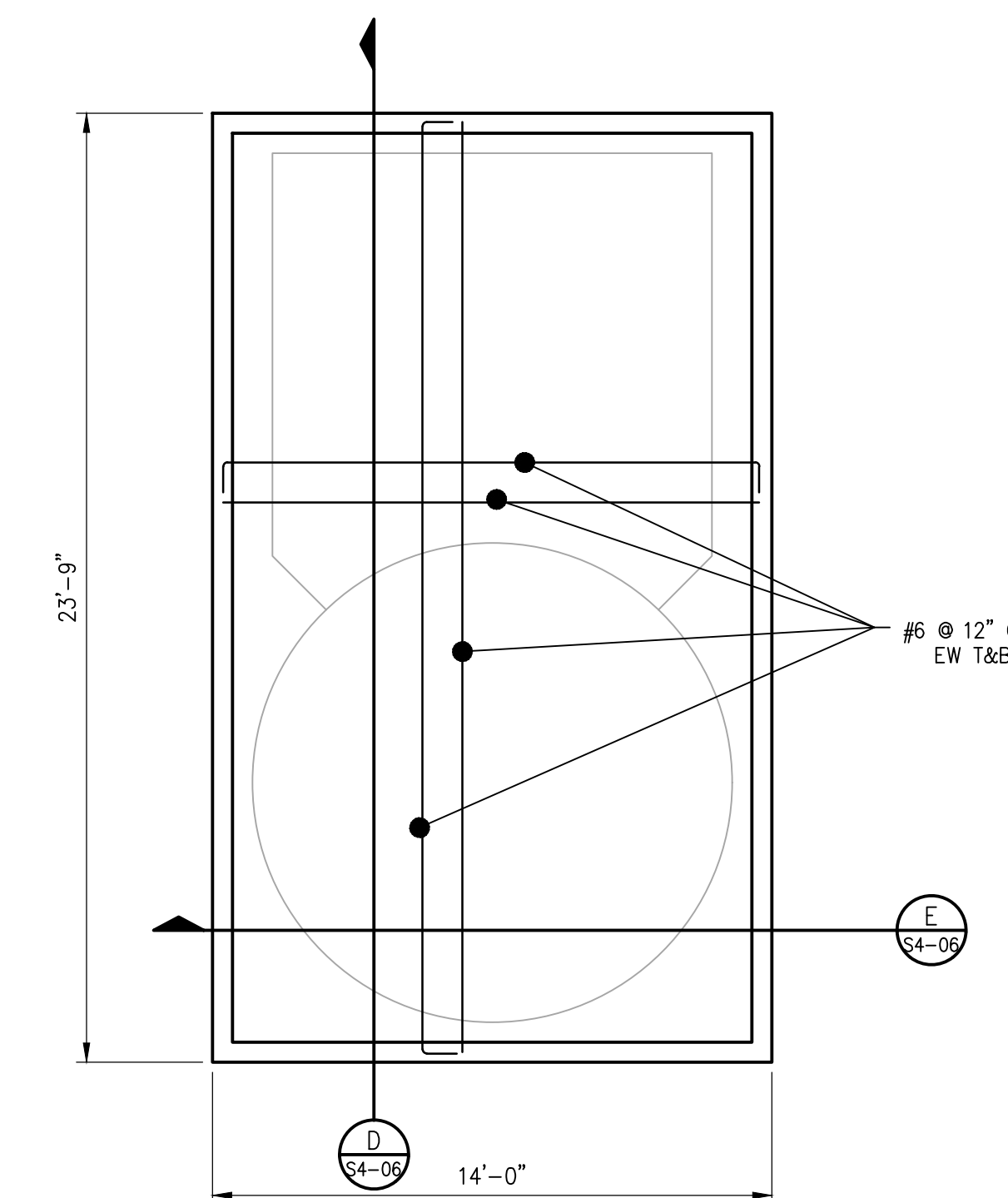
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1	6-3-22	ADDENDUM #1

Sheet Title  
STRUCTURAL  
NEW TREATMENT  
SLAB PLAN

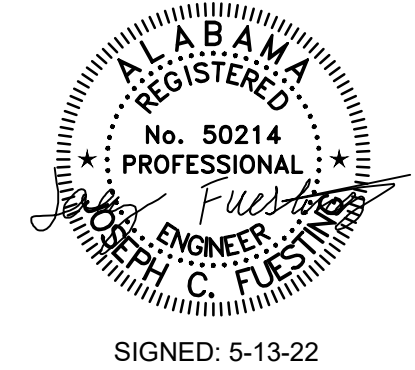
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1 NEW TREATMENT  
S4-03 SLAB REINFORCING PLAN  
1/4"=1'-0"



2 LIQUID LIME  
S4-03 SLAB PLAN  
1/4"=1'-0"



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CITY OF FAIRHOPE  
WATER TREATMENT PLANT NO. 3  
EXPANSION  
FAIRHOPE, ALABAMA



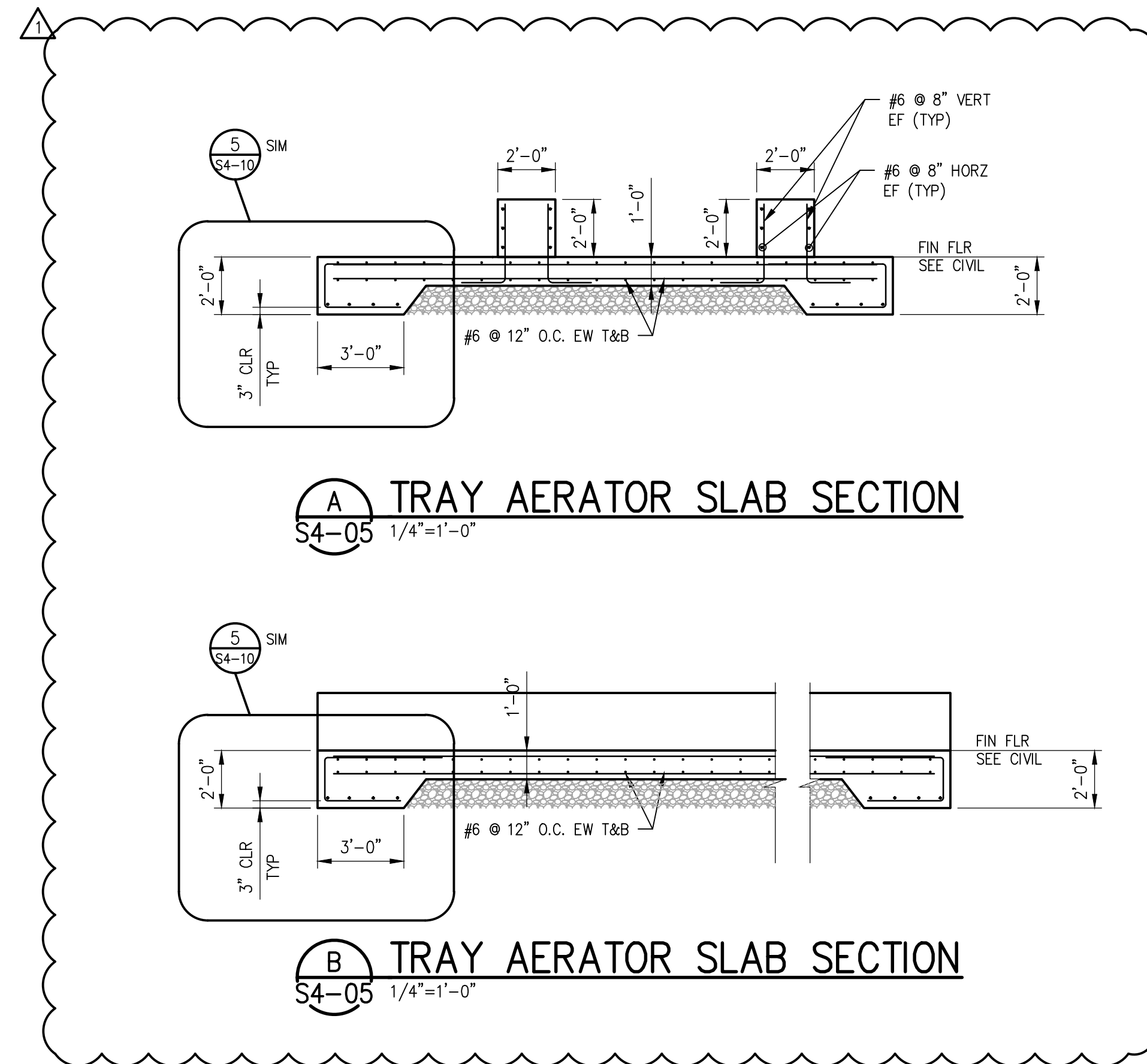
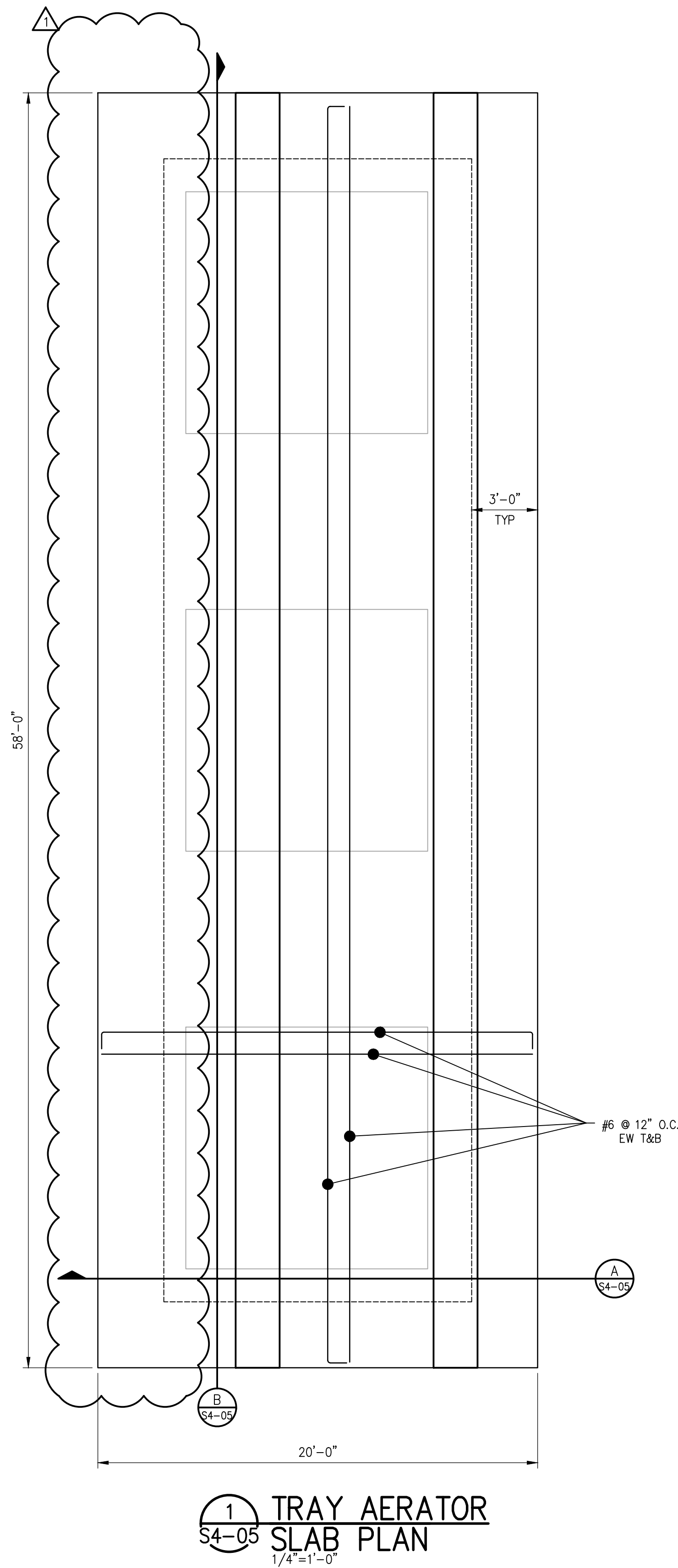
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Drawn ABS/LEM	
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No.	Date	Description
1	6-3-22	ADDENDUM #1

Sheet Title  
STRUCTURAL  
NEW TREATMENT  
SLAB REINFORCING  
PLAN

Issue Date MAY, 2022	Sheet No. S4-03
Sequence 42 of 92	

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Designed JCF	Project No. 21036
Drawn ABS/LEM	
Checked PMP	

No.	Date	Description
1	6-3-22	ADDENDUM #1

Sheet Title  
STRUCTURAL TRAY AERATOR SLAB PLAN

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



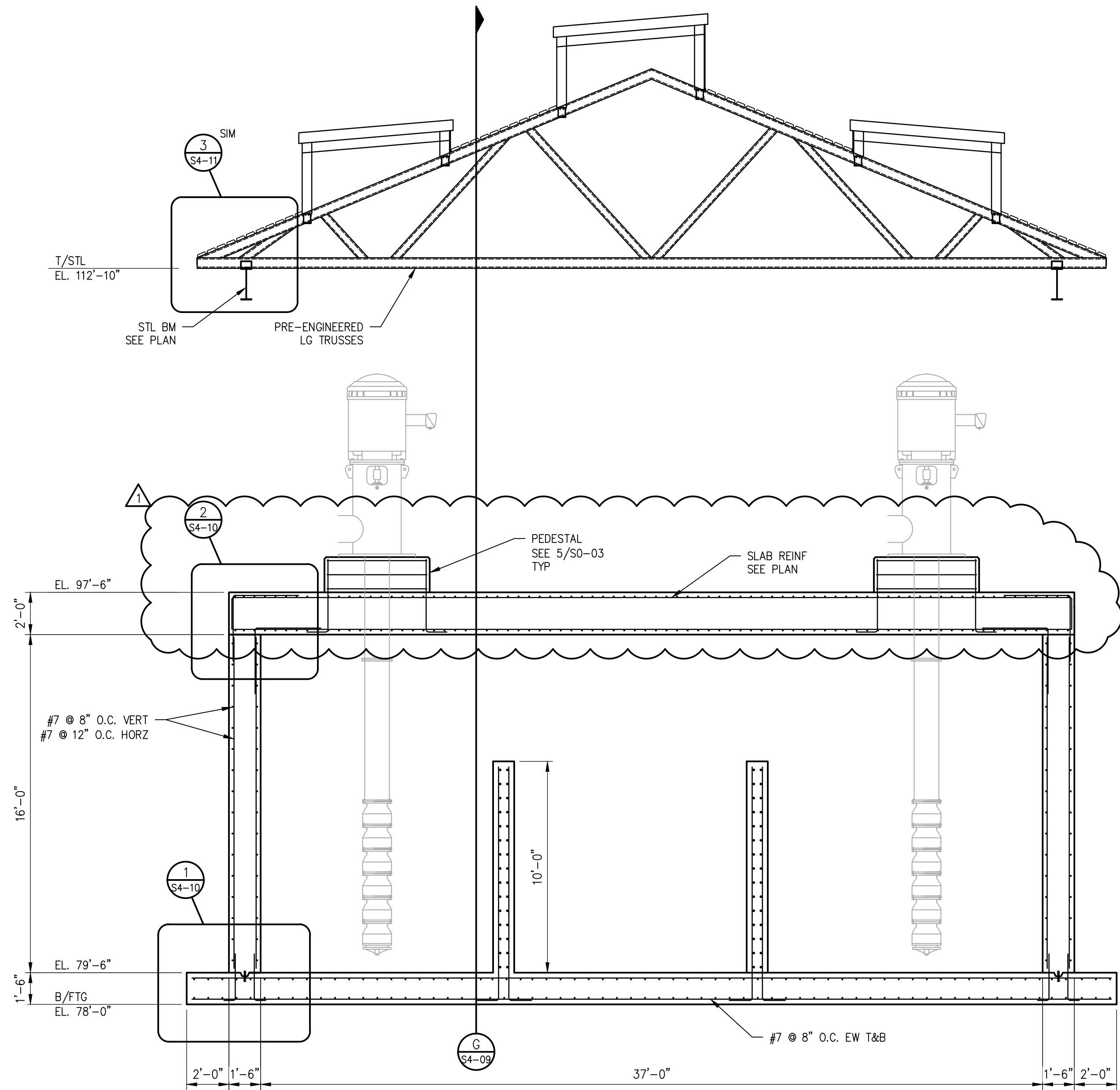


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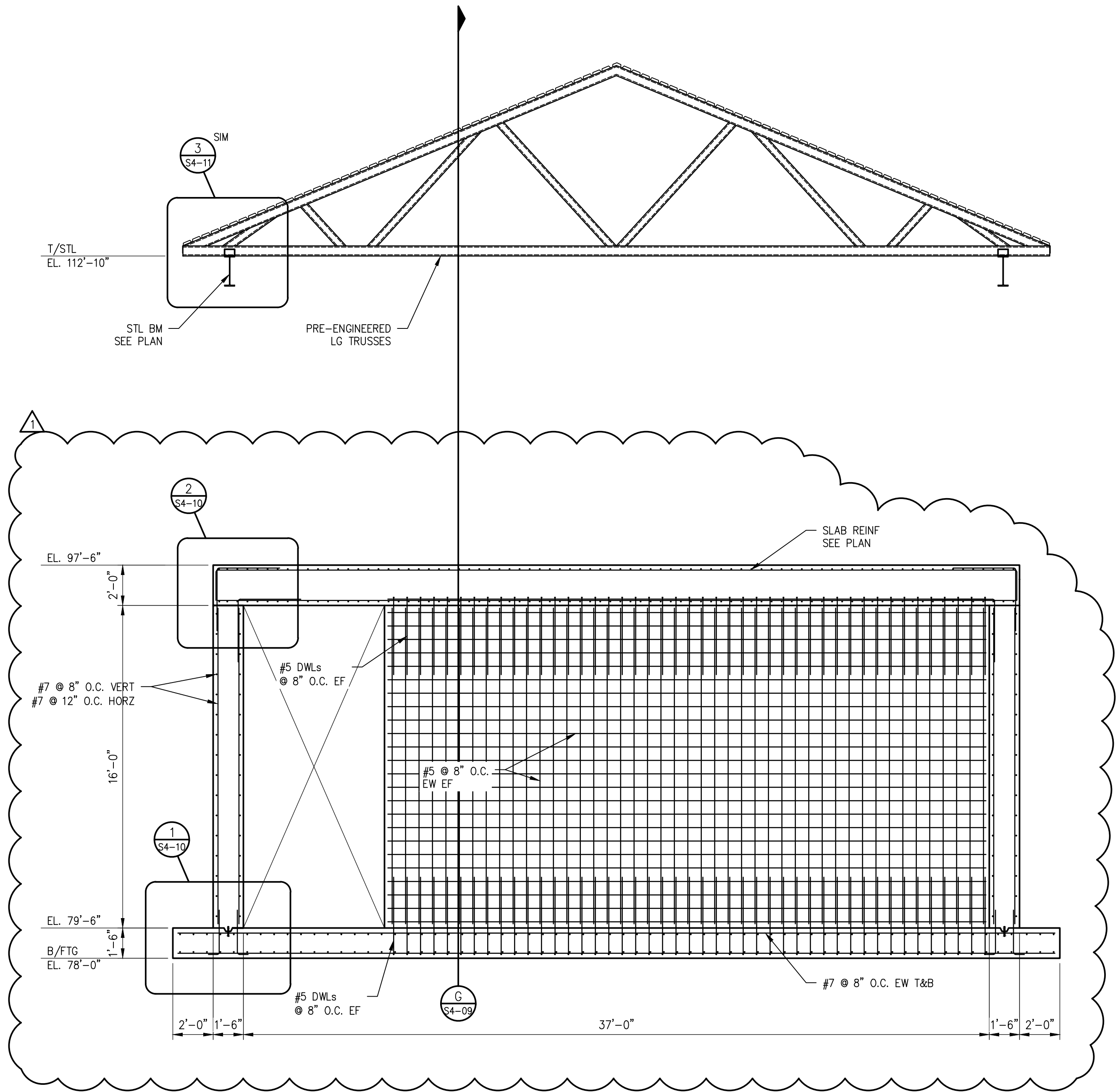
Revisions	No.	Date	Description
	1	6-3-22	ADDENDUM #1

Sheet Title  
STRUCTURAL  
NEW TREATMENT  
FWPS SECTION

Issue Date MAY, 2022	Sheet No. S4-07
Sequence 46 of 92	



**D TANK SECTION**  
S4-07 1/4"=1'-0"

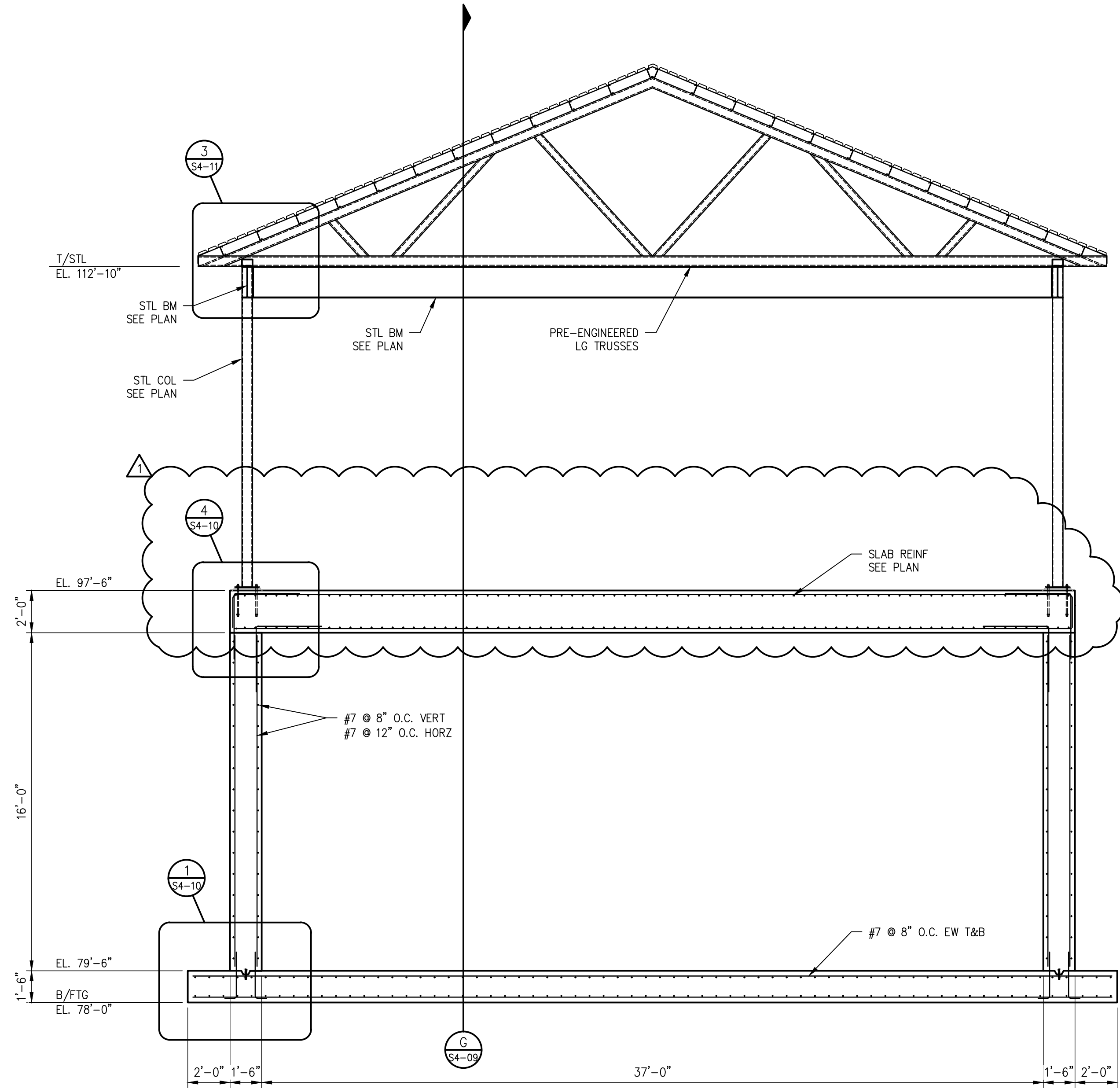


**E TANK SECTION**  
S4-07 1/4"=1'-0"

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**F TANK SECTION**  
S4-08 1/4"=1'-0"

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Designed JCF	Project No. 21036
Drawn ABS/LEM	
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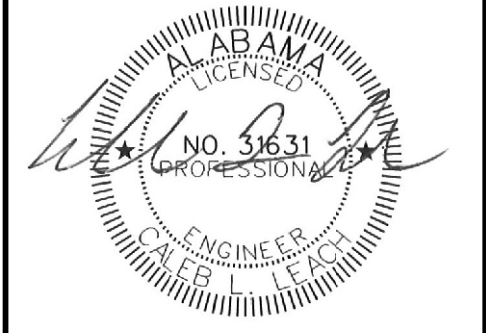
No.	Date	Description
1	6-3-22	ADDENDUM #1

No.	Date	Description

Sheet Title  
**STRUCTURAL  
NEW TREATMENT  
FWPS SECTION**







BID SET

CITY OF FAIRHOPE  
 WATER TREATMENT PLANT NO. 3  
 EXPANSION  
 FAIRHOPE, ALABAMA



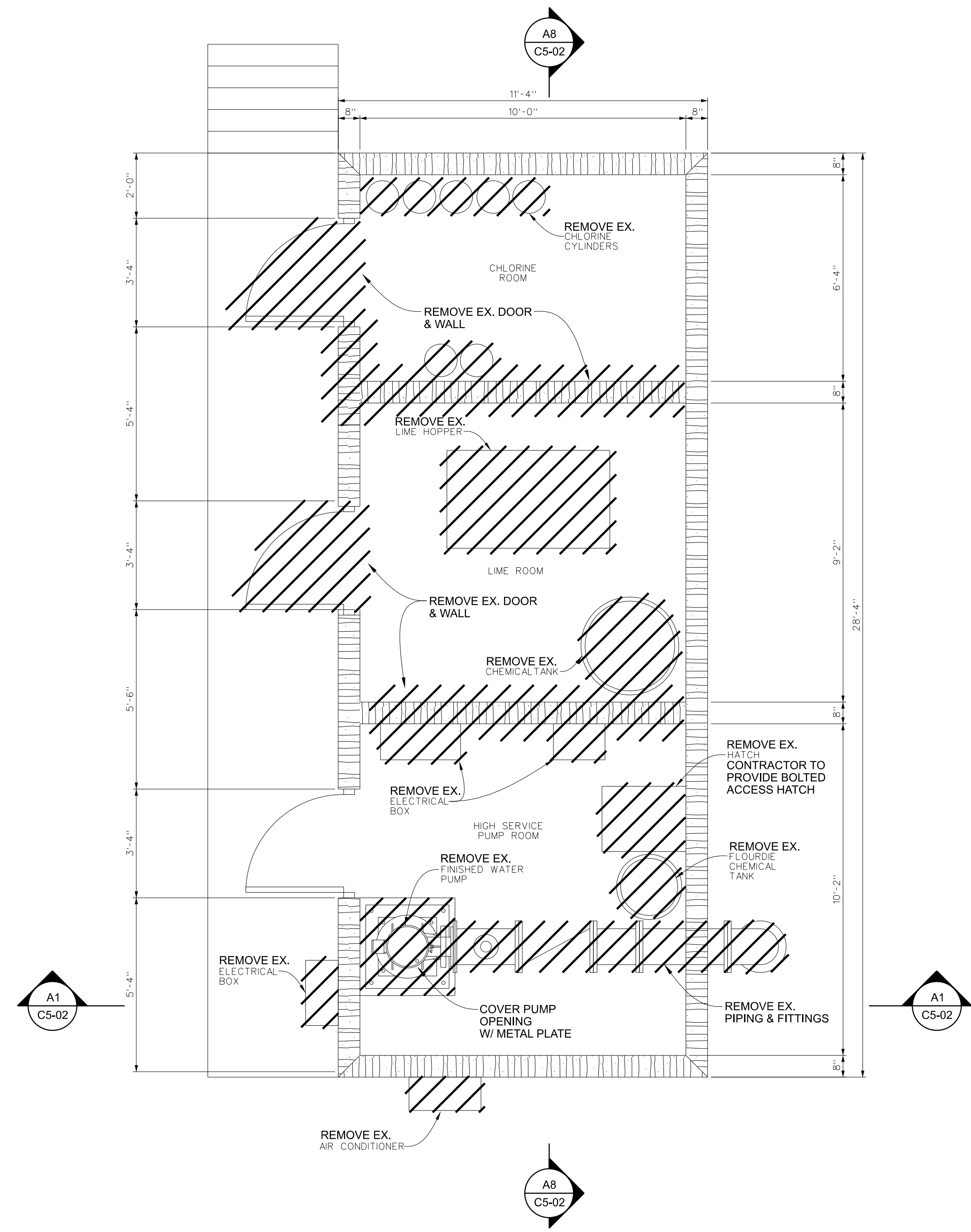
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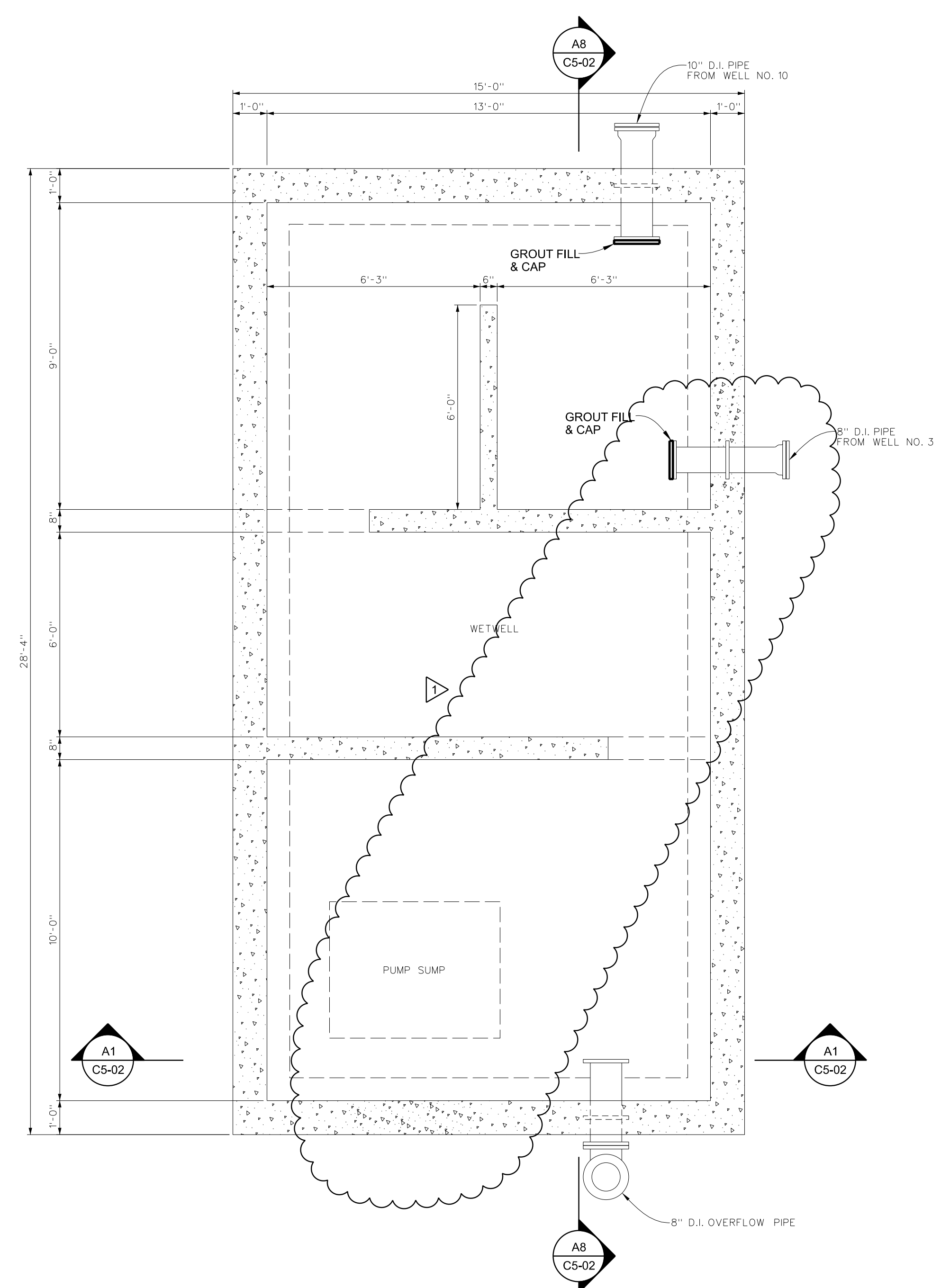
Sheet Title EXISTING TREATMENT BUILDING DEMOLITION PLANS	
Issue Date MAY, 2022	Sheet No. C5-01
Sequence 53 of 92	

GENERAL NOTES:

- THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE MANNER ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE, BECOMING FAMILIAR WITH THE EXISTING PROPERTY CONDITIONS AND ADJACENT SITE CONDITIONS AND SATISFYING HIMSELF AS TO THE NATURE AND LOCATION OF ALL ASPECTS OF THE WORK PRIOR TO BIDDING.
- DEMOLITION WORK SHALL BE DONE IN ACCORDANCE WITH ALL CODES AND ORDINANCES SET FORTH BY ALL GOVERNING AGENCIES.
- UTILITIES THAT ARE INDICATED TO BE DEMOLISHED OR SERVE DEMOLISHED STRUCTURES ARE TO BE REMOVED, CAPPED, OR PLUGGED AT PROPERTY LINE IN ACCORDANCE WITH UTILITY OWNER INSTRUCTIONS.
- THE CONTRACTOR SHALL DEMOLISH AND REMOVE THE EXISTING BUILDINGS, FOUNDATIONS, FOOTINGS, EQUIPMENT AND APPURTENANCES AS NOTED IN THE DRAWINGS AND AS REQUIRED FOR CONSTRUCTION OF THE IMPROVEMENTS.
- THE CONTRACTOR SHALL TRANSFER/ESTABLISH BENCHMARKS OUTSIDE OF THE CONSTRUCTION LIMITS FOR CONSTRUCTION LAYOUT AND ENGINEERING.
- THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS PRIOR TO COMMENCING WORK.
- ALL EQUIPMENT, CONTROLS, PIPING, HARDWARE, APPURTENANCES, AND MISCELLANEOUS ITEMS REMOVED UNDER THIS CONTRACT SHALL BE MADE AVAILABLE TO OWNER IN GOOD CONDITION. ALL MECHANICAL, CONTROL, AND ELECTRICAL EQUIPMENT ASSOCIATED WITH AN ITEM OR EQUIPMENT SHALL BE KEPT WITH EQUIPMENT ITEM AS A COMPLETE UNIT. SHOULD THE OWNER ELECT NOT TO RETAIN THE DEMOLISHED ITEMS, THE CONTRACTOR SHALL LEGALLY DISPOSE OF THEM OFF-SITE AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL BE RESPONSIBLE FOR SEQUENCING DEMOLITION CONSTRUCTION TO MINIMIZE DISRUPTIONS TO WATER TREATMENT PLANT OPERATIONS.
- CONTRACTOR SHALL FURNISH AND INSTALL ALL TEMPORARY FACILITIES AS NEEDED TO COMPLETE THE WORK.
- DEMOLITION PLANS ARE INTENDED TO SHOW ONLY MAJOR DEMOLITION ITEMS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION AND/OR RE-ROUTING OF FACILITIES REQUIRED TO COMPLETE THE WORK.
- SEE INDIVIDUAL STRUCTURE SHEETS FOR ADDITIONAL DETAILS.



A1 UPPER PLAN 3/8" = 1'-0"



A9 LOWER PLAN 3/8" = 1'-0"

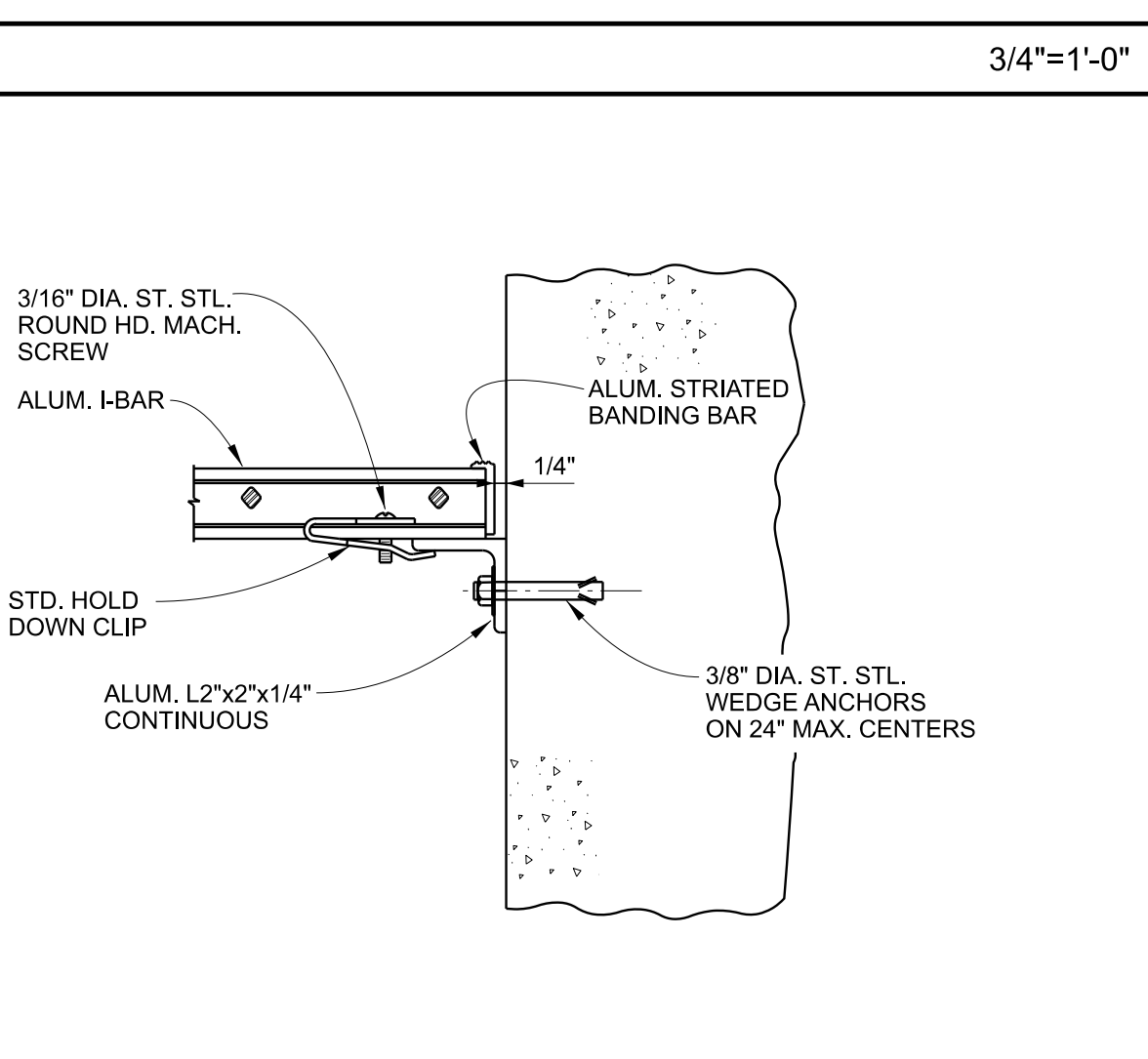
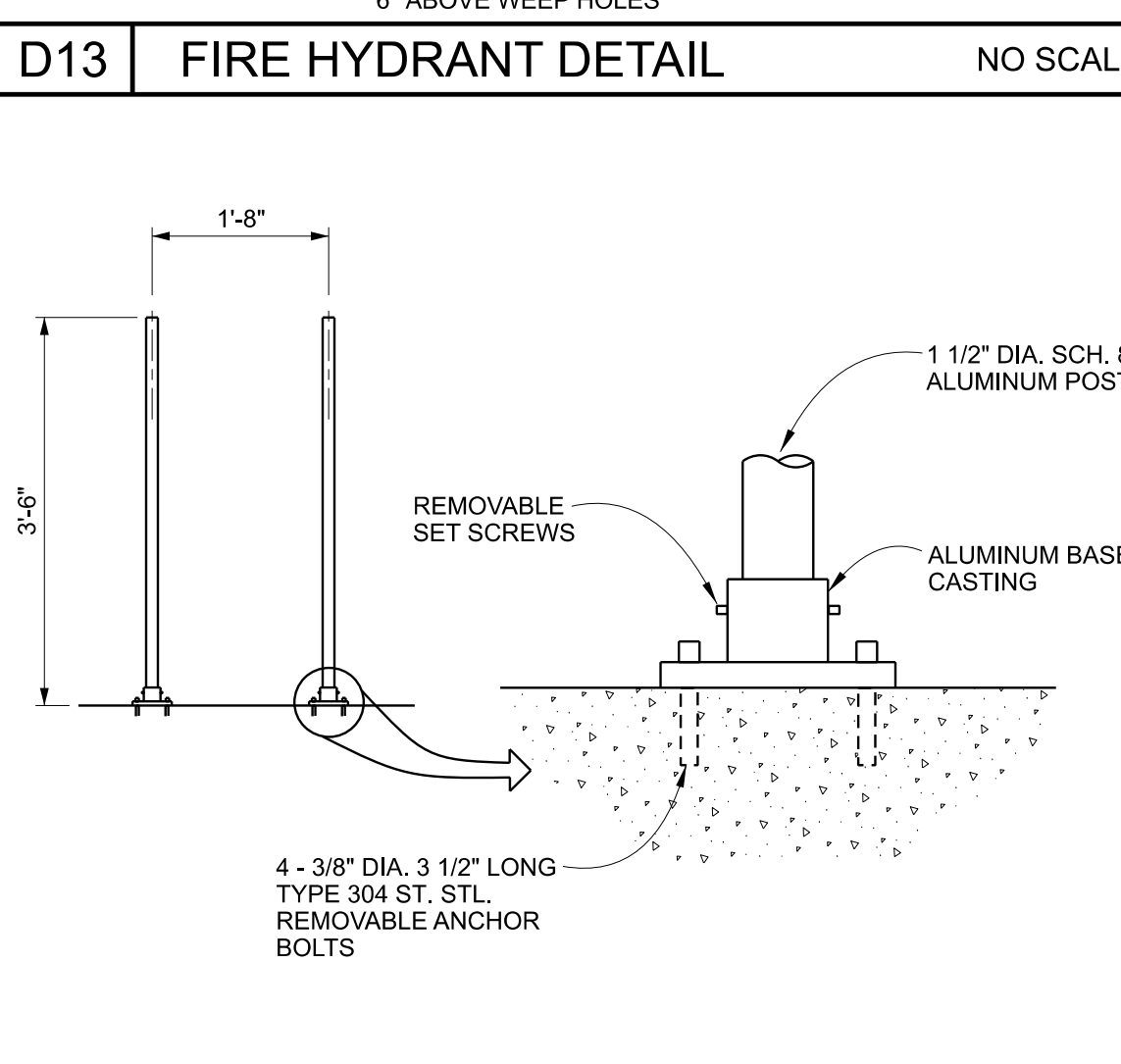
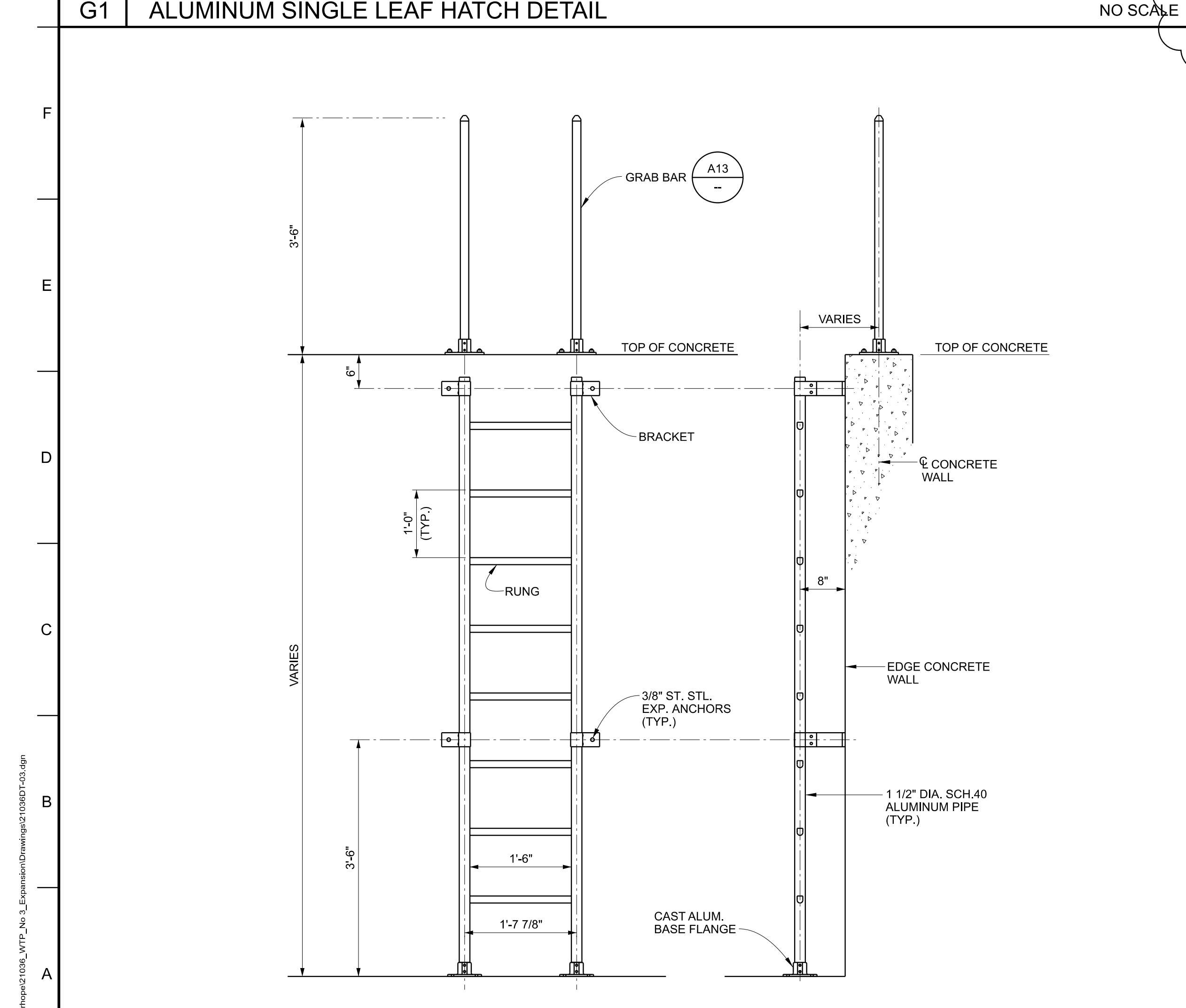
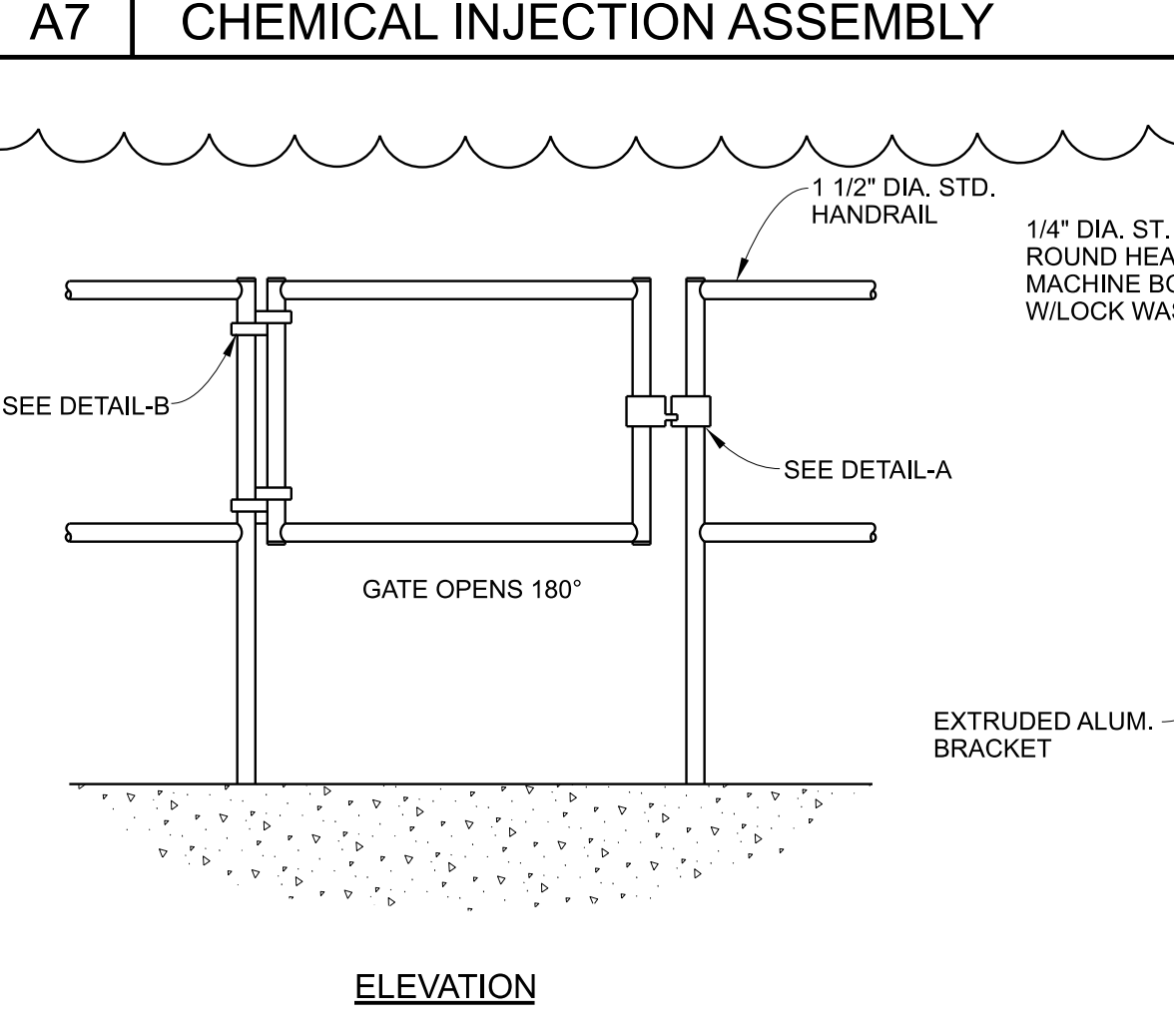
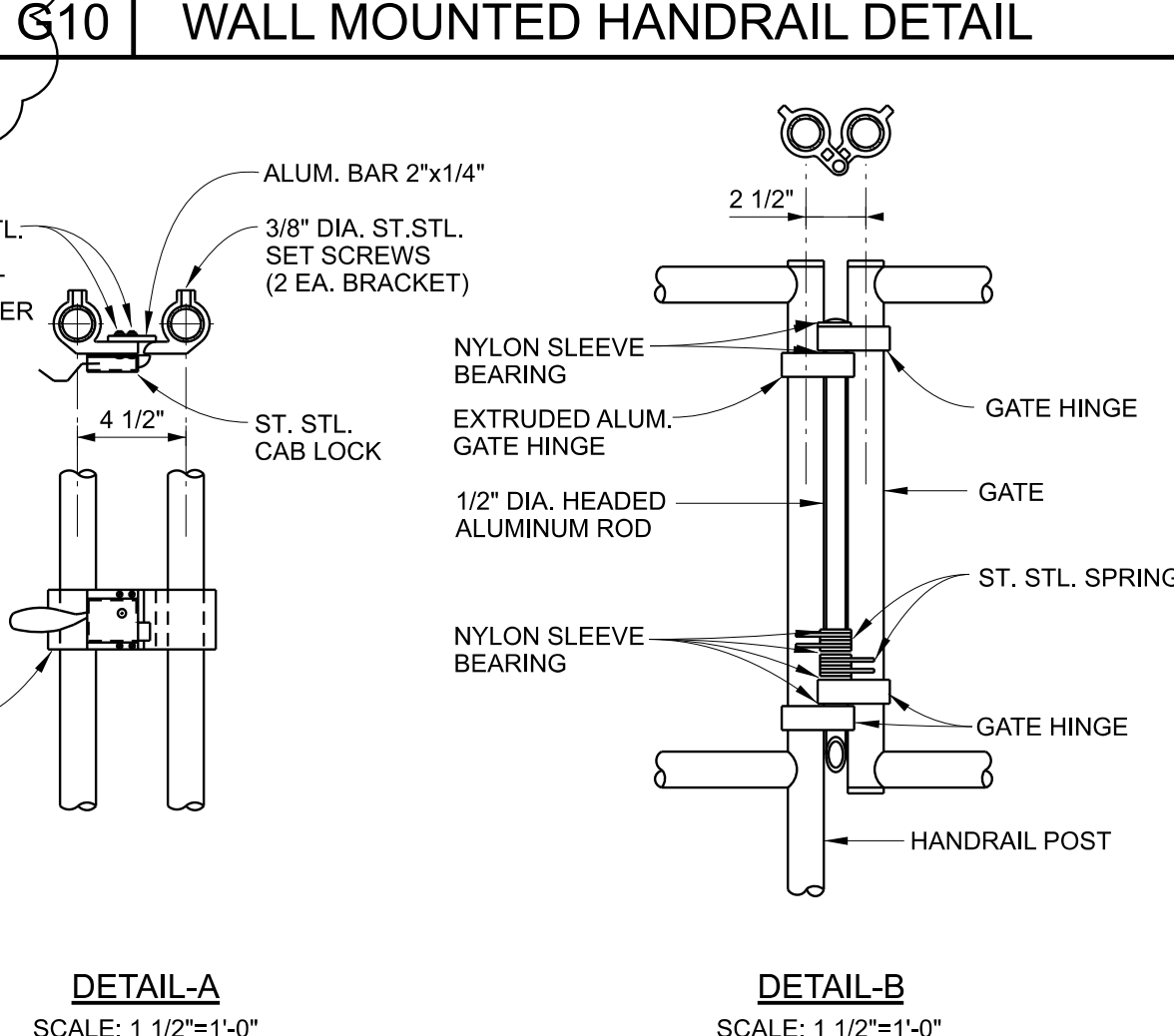
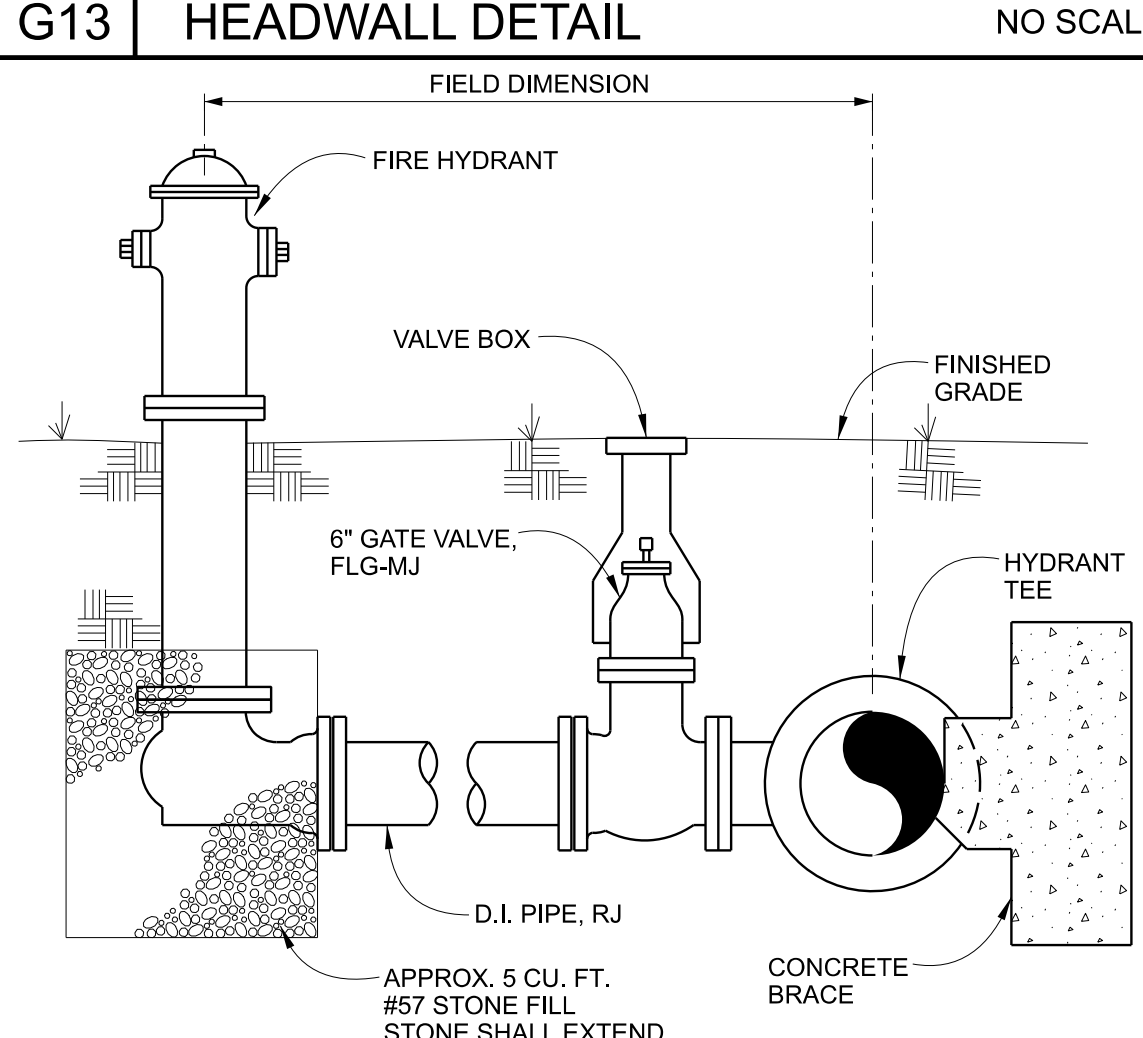
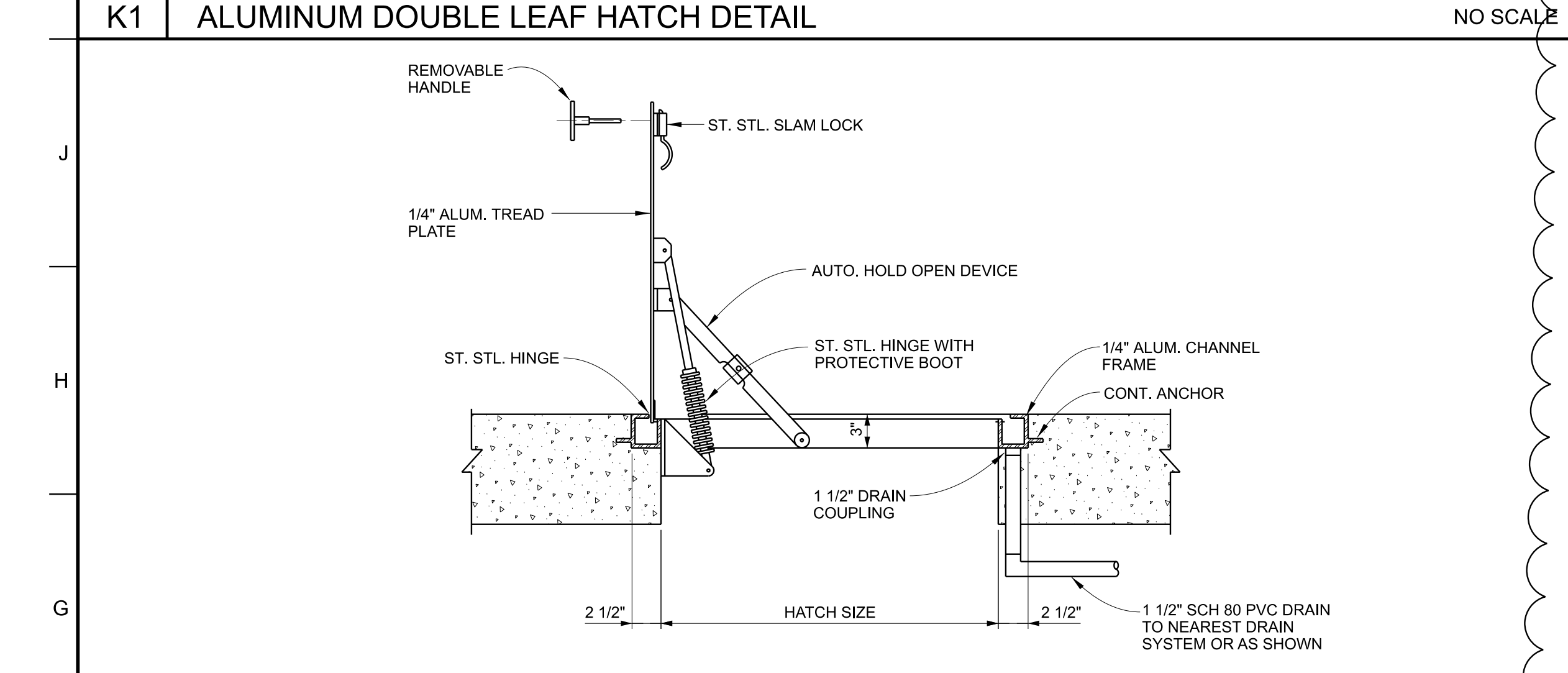
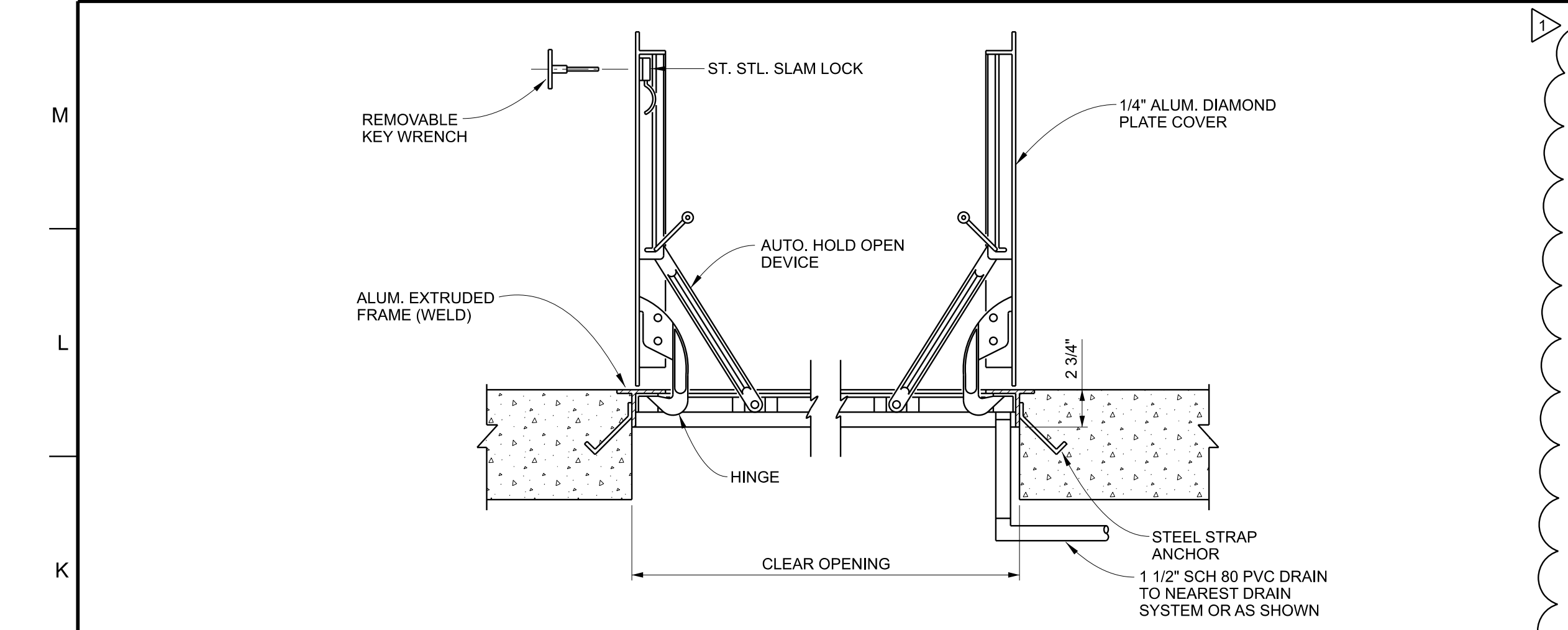
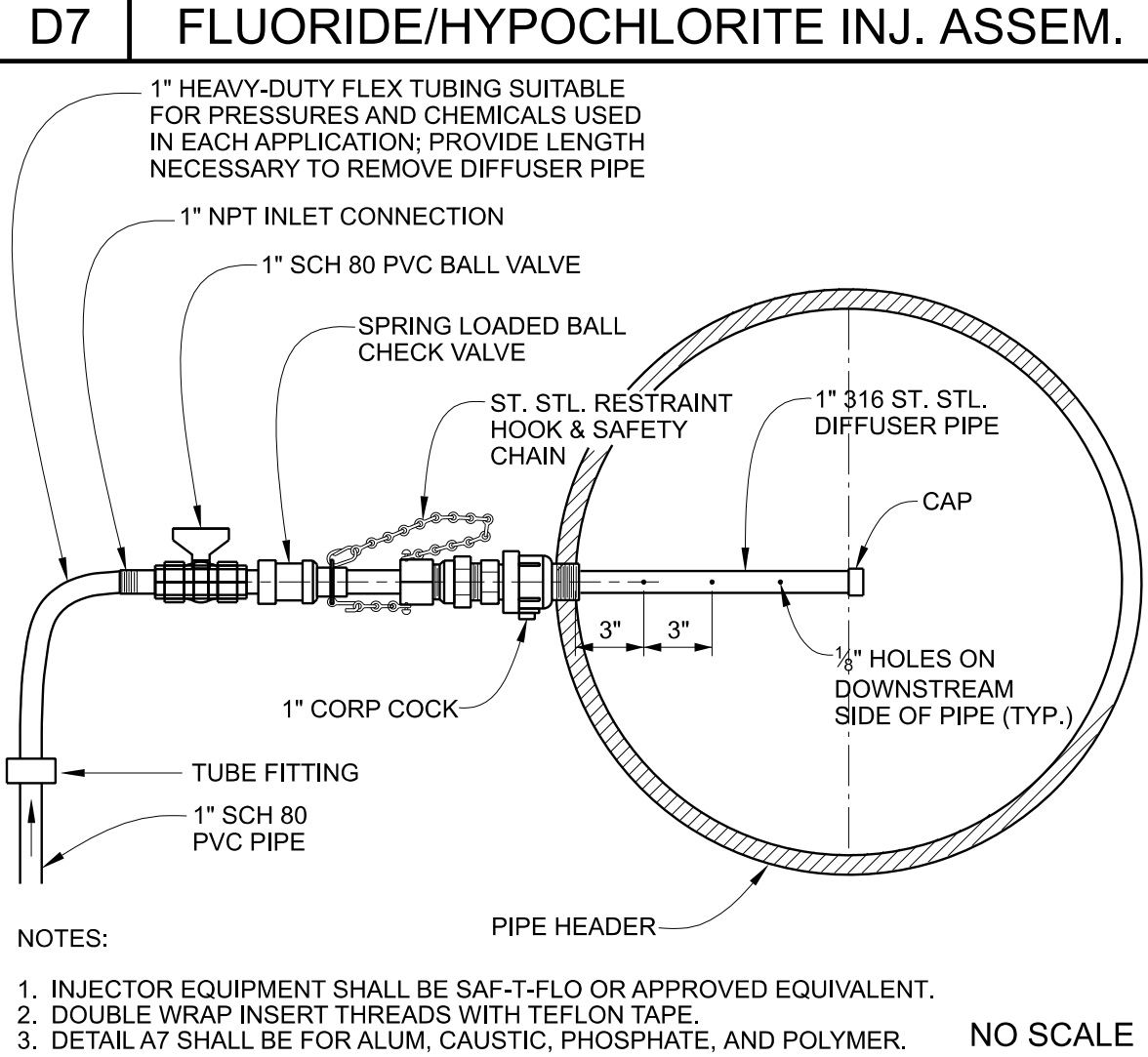
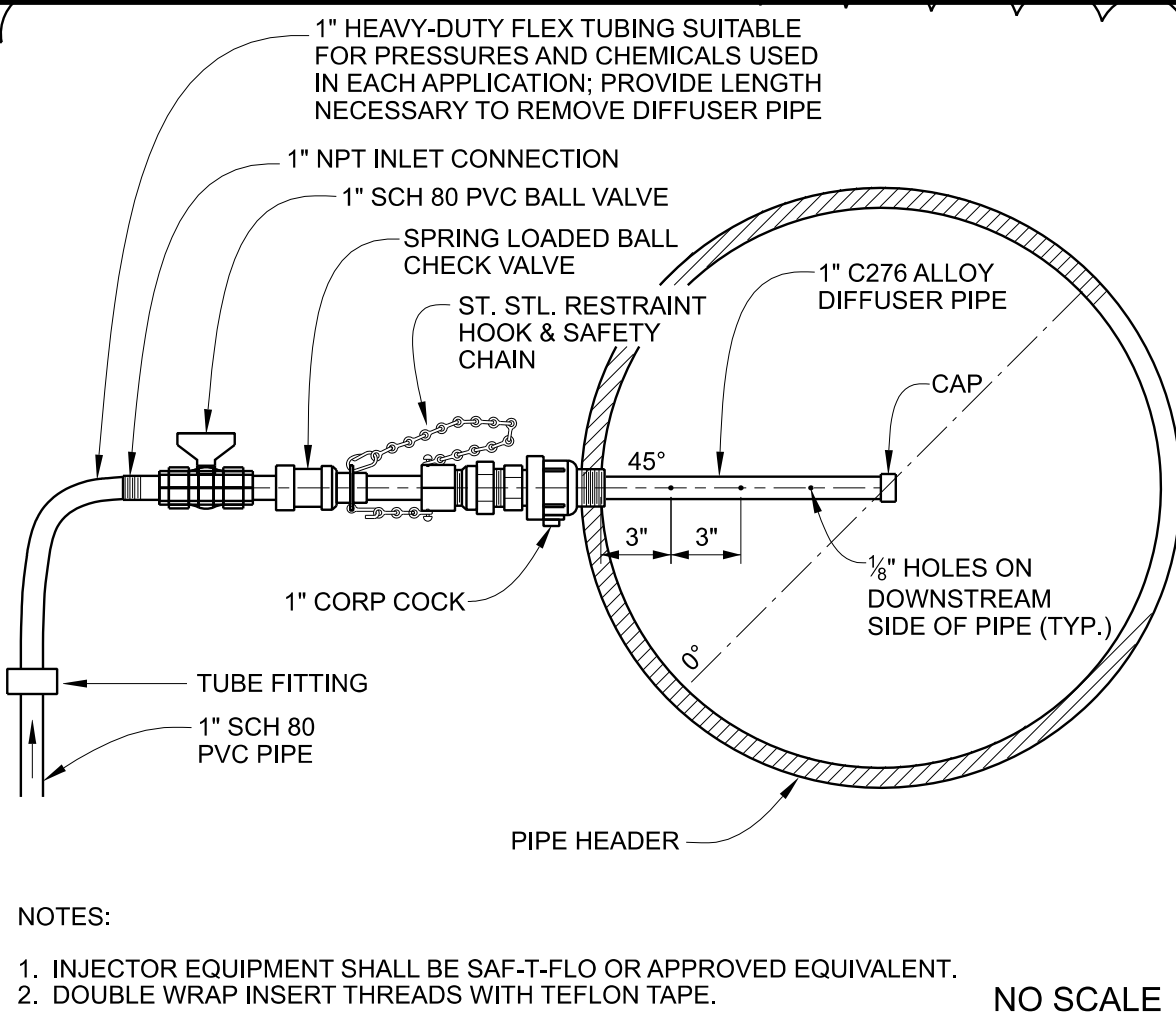
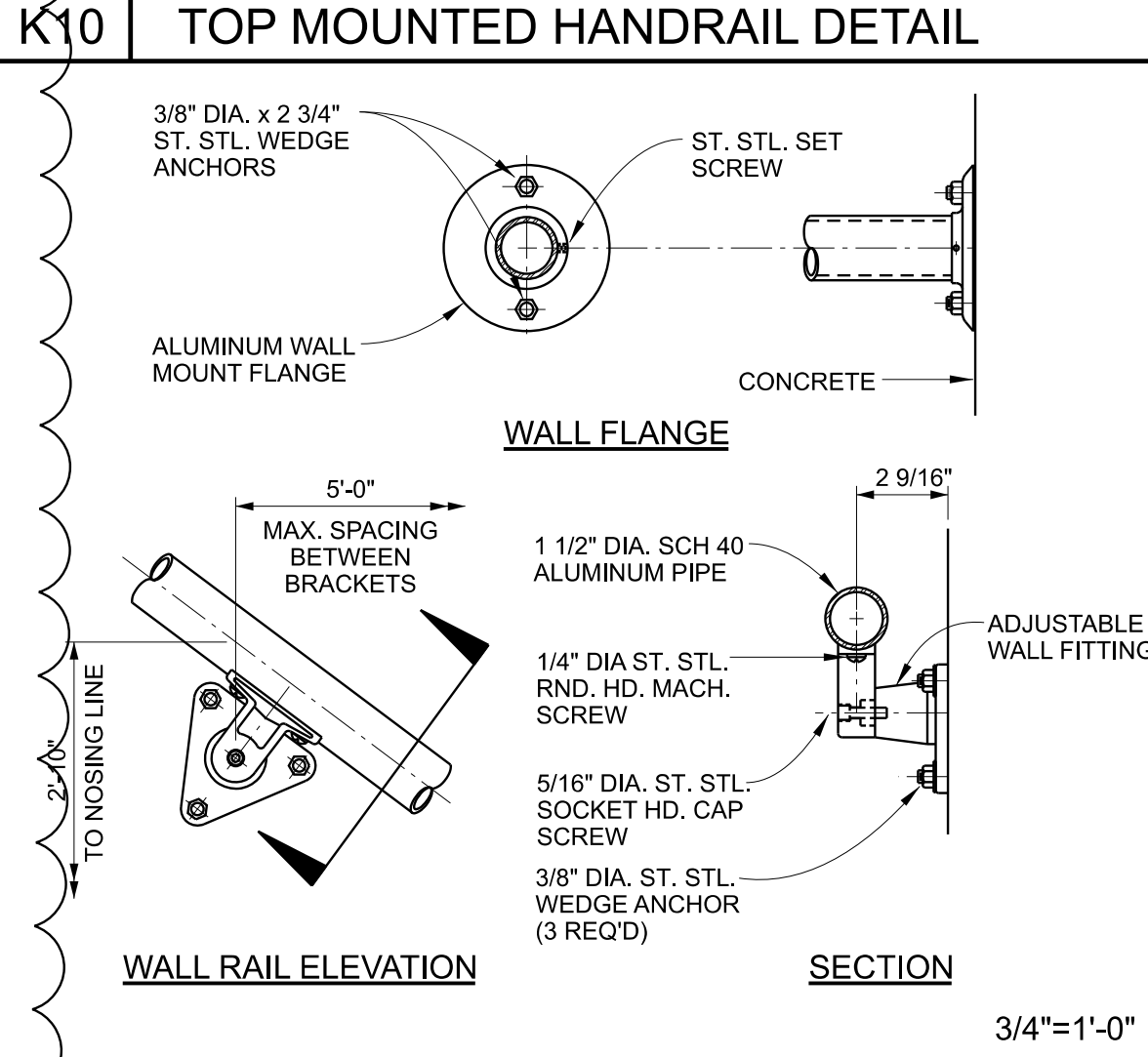
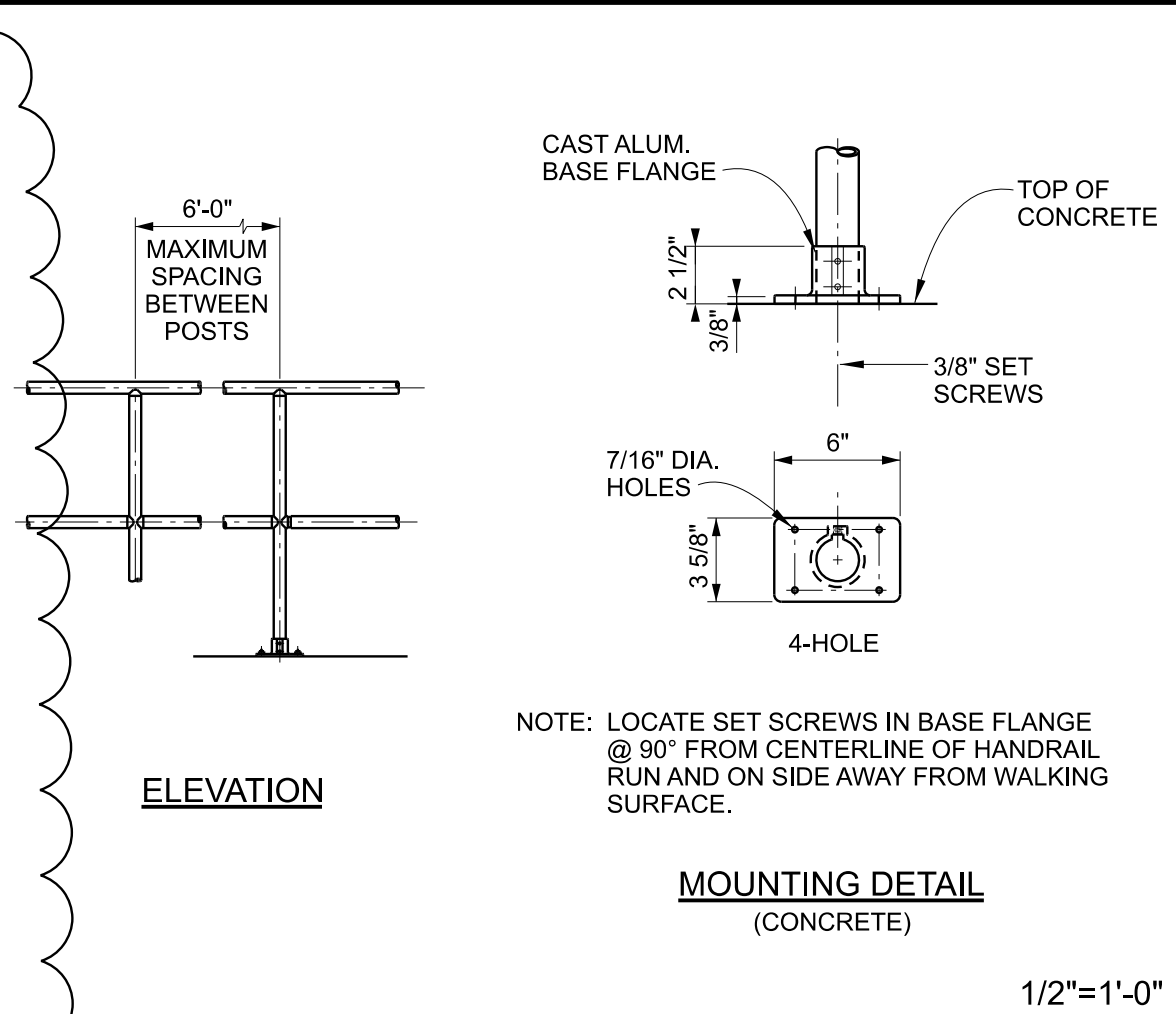
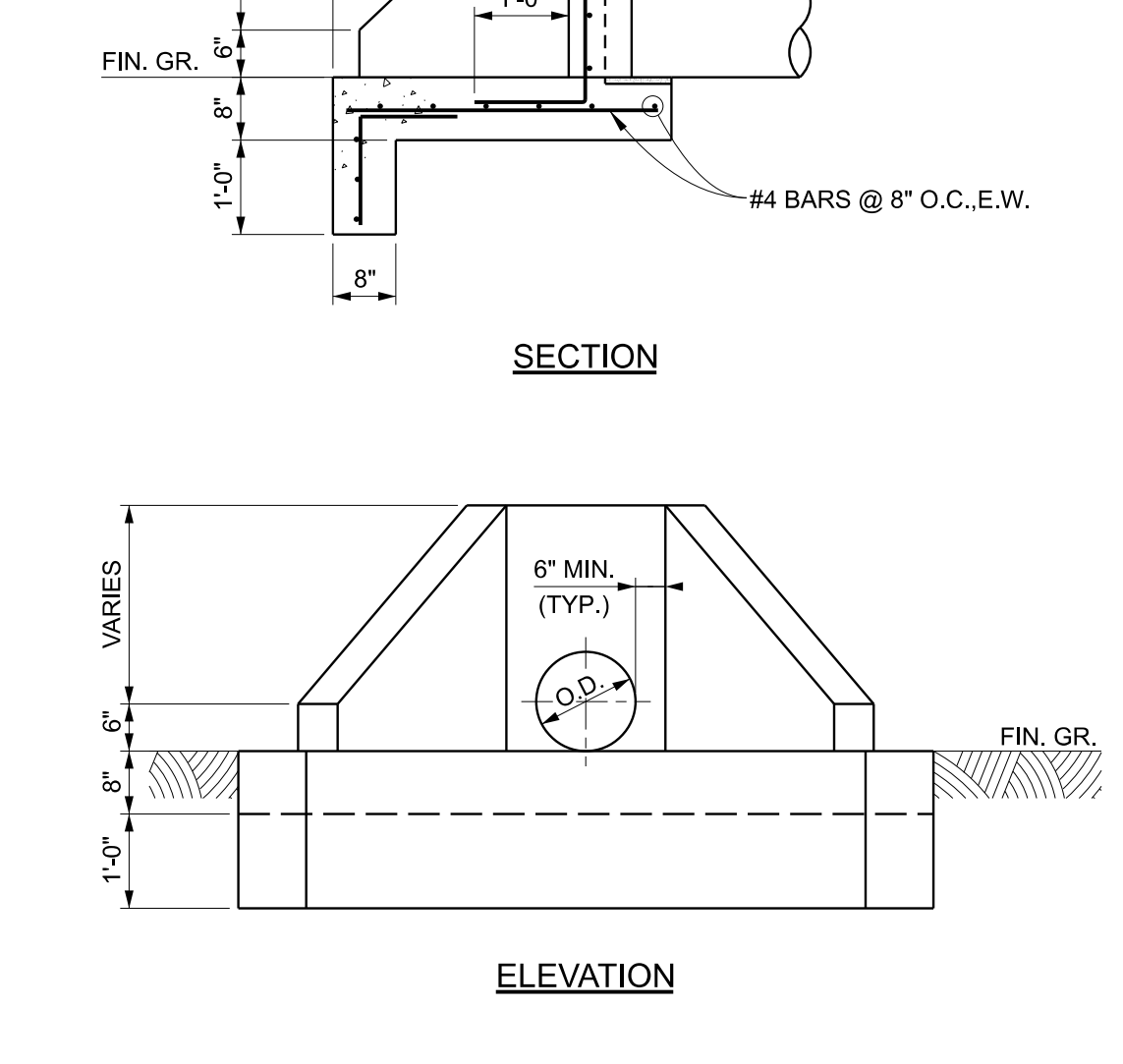
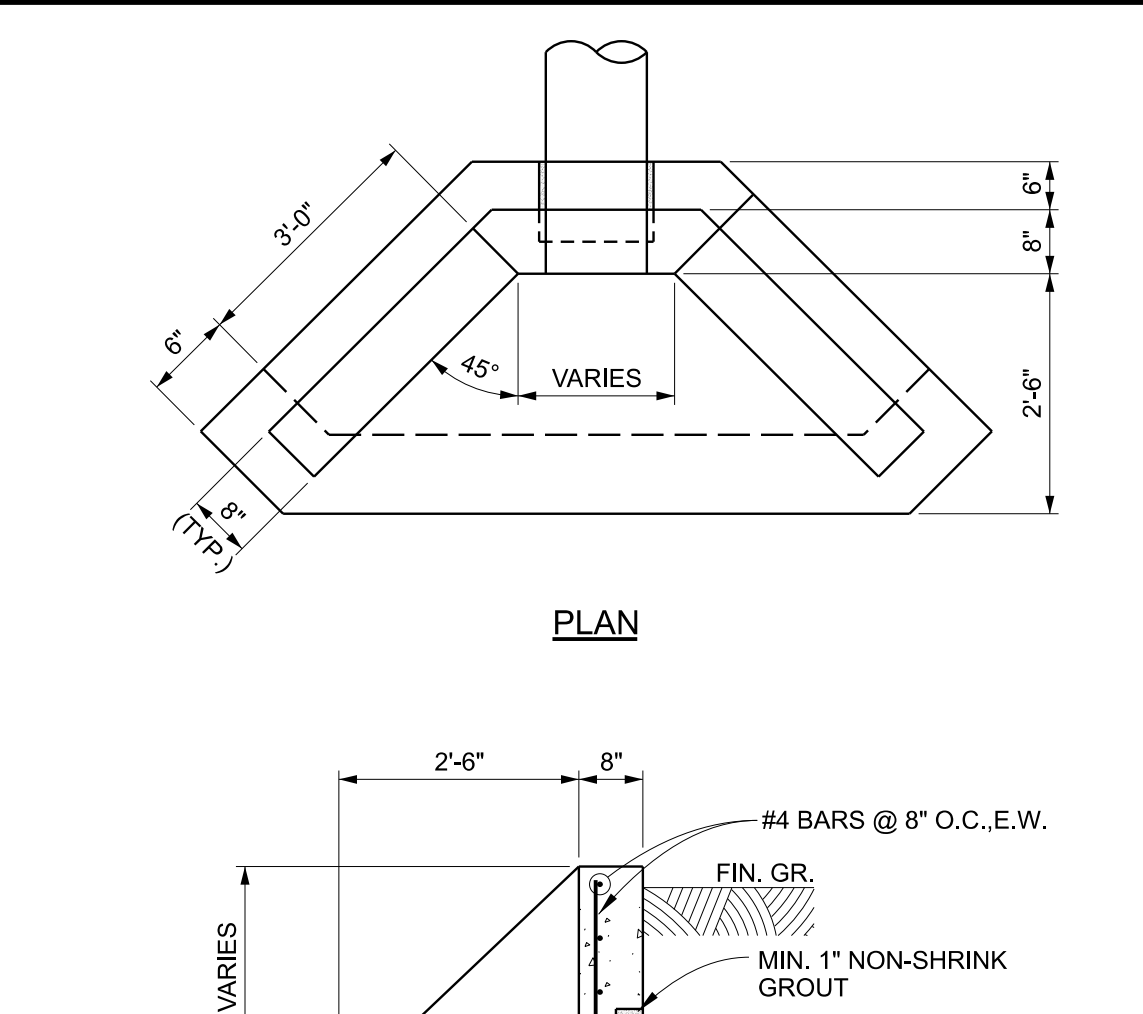
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