



Market Street Pump Station Disinfection System Upgrades
Solicitation Number: CO-00463-FG
Job No.: 21-6008

ADDENDUM 1
November 4, 2021

To Respondent of Record:

This addendum, applicable to work referenced above, is an amendment to the price proposal, plans and specifications and as such will be a part of and included in the Contract Documents. Acknowledge receipt of this addendum by entering the Addendum number and issue date on the space provided in submitted copies of the Respondent Questionnaire.

RESPONSES TO QUESTIONS

- 1. Question: The FRP tank manufacturing industry has experienced unprecedented escalation of raw materials, (upwards of 75%) since the beginning of the year. Raw materials for FRP tanks and accessories can only be placed in allocation and are not able to be purchased in advance and stored for later use to lock in costs. On recent projects within the last 3 months, raw materials have had an increase of 50% in pricing between the bid and the time to obtain raw materials. How does SAWS intend to handle the escalation of cost for this project?**

Response: Bids from interested Respondents should account for cost escalations within their price proposal.

- 2. Question: Please extend the question deadline. Project does not bid for another 3+ weeks.**

Response: The deadline for questions and answers will be extended as part of a future addendum.

- 3. Question: Can the overhead crane and hatch in the pump room be used by the contractor to get materials into the basement?**

Response: No, the overhead crane and hatch will not be used.

- 4. Question: Does the new equipment have to be onsite before the station can be shutdown and demolition begins? If so, how does that affect the 365 day shutdown?**

Response: No, demolition can commence prior to equipment delivery; however, the 365-day clock will start once Notice-to-Proceed for construction is issued. Note that the Pump Station will no longer be shut down for the proposed Work. A temporary disinfection system will be required to keep the Pump Station in service and must be in operation prior to any demolition. The temporary disinfection system will be addressed in a future addendum.

- 5. Question: Spec. 01 52 13 section 2.1.A.5.a says the contractor must provide an office with conference space for 20 people. Is this required? There doesn't seem like enough space onsite.**

Response: The 2.1.A.5.a. paragraph will be removed from the specification section 01 52 13. See the "Changes to the Specifications" section below.

- 6. Question: Spec. 40 05 07, and drawing M-10, please confirm the required material for pipe hangers, etc.**

Response: Supports for chemical piping systems shall be FRP in accordance with Section 40 05 07 2.2.C. Hanger rods/clevis assembly shall be 316SS per Drawing M-10.

7. Question: What is the material system for the existing roof?

Response: An old built-up roof, likely consisting of four piles of glass felt, flood coat of asphalt and gravel. For the generator room structural system, based on available record drawings and photos the north side of the room has W12x16.5 Beams with 4" concrete slab (composite structure) and the south side of the room has hollow core slab 6" thick; to be field verified. For the high service pump station room structural system, the structural roof system comprises of W21x62 beam (N-S) with W12x16.5 Joists (E-W) with concrete slab 4" thick; to be field verified.

8. Question: Sheet D-02, detail C, does the cross-hatching of the parapet walls indicate demolition? What are the two hatched walls next to the tanks?

Response: No, the drawing shows several similar cross-hatching patterns for the roof parapet and internal walls, but they are to remain and will not be demolished. See the "Changes to the Plans" section below. Sheet D-02, Detail C is updated with cross-hatching only for equipment to be removed from the OSHG Room.

9. Question: What is the height of the existing fence where the gate is to be installed?

Response: The height of the iron fence is 8-feet. See the "Changes to the Plans" section below. Sheet M-06, Section A has the 8-foot dimension added.

10. Question: Sheet M-04, detail A, what is the vertical pipe next to the C-M06 callout?

Response: The vertical pipe is the Liquid Level Transmitter. It has been relocated to approximate 315° location of the Brine Tank. See the "Changes to the Plans" section below. Sheet M-04 plan view and Detail A no longer show the Liquid Level Transmitter at the 180° location, but it is now in the approximate 315° location. Also Sheet E-24 is updated to reflect the Liquid Level Transmitter at approximate 315° location.

11. Question: If a building permit is required, will there be permit requirements for plumbing, mechanical, and electrical?

Response: Yes, typical City of San Antonio building permits are required.

12. Question: It appears in the documents that the General Contractor will not be able to issue purchase orders and subcontracts until the middle of February due to board approval of the contract. Due to the pandemic, material pricing is very volatile and lead times are continually being impacted negatively. Escalation margins are increasing along with lead times. Will SAWS please consider adding a contingency item for cost escalation? This escalation item will be required to provide bid day backup and February pricing from suppliers to release any escalation charges. Will SAWS also consider contract extensions for items that have a change in lead time from bid day to contract award?

Response: Bids from interested Respondents should account for cost escalations within their price proposal. Any requests for additional days may be considered by SAWS and the Engineer during the construction period. Any contract changes must be done in accordance with SAWS General Conditions.

13. Question: With the current Market conditions for pricing and delivery durations. We want to make SAWS aware that some of our suppliers and subcontractors are not able to hold pricing for more than days or weeks on some of the materials for this project. This is an ongoing issue on all of the construction industry in Texas at this time. As contractors we are trying to find the best solution to protect ourselves and the owners of the project. One solution is for a bid item to be added to this project as an allowance which can be used as mutually agreed upon by SAWS and the Contractor

Response: Bids from interested Respondents should account for cost escalations within their price proposal. Any requests for additional days may be considered by SAWS and the Engineer during the construction period. Any contract changes must be done in accordance with SAWS General Conditions.

CHANGES TO THE SPECIFICATIONS

1. Section 01 52 13 Contractor's Field Office and Sheds

Paragraph 2.1.A.5.a. - **Delete** in its entirety.

2. Section 43 41 45 Fiberglass Reinforced Plastic Tanks

Paragraph 1.1.A.2 - **Delete** "single wall construction" and **replace** with "double wall construction".

Paragraph 1.1.A.3 - **Delete** "OSHG Room (Single wall construction)" and **replace** with "OSHG Room (Double wall construction)"

Paragraph 2.1.B.4 - **Delete** in its entirety and **replace** with "FRP storage tanks for sodium hypochlorite shall be double wall construction for containment. Containment shall be 110% volume. Capacity shown in Section 1.1.A.3 shall include only that volume in the straight shell of inner wall below the overflow pipe invert elevation. The inclusion of dished tops or freeboard as additional capacity is not acceptable."

Paragraph 2.6 – **Add** the following:

"E. Leak Detector System:

1. The sodium hypochlorite storage tanks will be supplied with a leak detector system housed between the walls of the tank."

CHANGES TO THE PLANS

1. Remove the following sheets dated 10/6/2021 and replace with the attached sheets dated 11/4/2021.

- Sheet G-02 – Sheet Index and General Notes
- Sheet D-02 – Demolition OSHG and Metering Pump Room and Brine Tank Fence
- Sheet M-04 – OSHG System Facility Plan (Brine Tank Area)
- Sheet M-06 – OSHG System Facility Sections (2 of 2)

2. Sheet M-02

- **Add** Note 6. "MINIMUM 3'0" CLEARANCE REQUIRED FROM STORAGE TANK TO SOUTH WALL."
- **DELETE** Dimension "8'-1"" and **REPLACE** with "MAX. 8'6" CENTER TO CENTER. MIN. 1'6" SPACING BETWEEN OD OF TANKS."

3. Remove the following sheets dated 10/04/2021 and replace with the attached sheets dated 11/4/2021.

- Sheet E-24 – Brine Tank Area Electrical Plan

4. Sheet E-13, Panelboard Schedules I Demolition,

- For Circuit 8 in Power Panel B, do not demolish the 20A, single pole breaker. It shall remain as a spare.

5. Sheet E-17, Panelboard Schedules I Modification,

- For Circuit 8 in Power Panel B, under breaker size it will be shown as an existing 20A, single pole breaker; under load, it will be labeled as a SPARE; under conduit size and wire size, it will be left blank.

6. Sheet EY-03, Schematics III,

- Delete sheet in its entirety. There will not be a fill station control panel.

END OF ADDENDUM

This Addendum is nine (9) pages to include five (5) attachments in its entirety.

Attachments: Sheet G-02 – Sheet Index and General Notes
Sheet D-02 - Demolition OSHG and Metering Pump Room and Brine Tank Fence
Sheet M-04 – OSHG System Facility Plan (Brine Tank Area)
Sheet M-06 – OSHG System Facility Sections (2 of 2)
Sheet E-24 –Brine Tank Area Electrical Plan



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Garcia Infrastructure Consultants, LLC
Firm Registration No. F-17794



November 4, 2021

SHEET NO.	DRAWING NO.	DRAWING TITLE
GENERAL		
1	G-01	Cover Sheet (Vicinity and Location Map)
2	G-02	Sheet Index and General Notes
3	G-03	Symbols and Abbreviations
4	G-04	OSHG System Process Flow Diagram
DEMOLITION		
5	D-01	Demolition Site Plan
6	D-02	Demolition OSHG and Metering Pump Room and Brine Tank Fence
7	D-03	Demolition OSHG and Metering Pump Room (Pictures 1 of 2)
8	D-04	Demolition OSHG, Metering Pump Room, and Brine Tank Area (Pictures 2 of 2)
CIVIL		
9	C-01	Existing Site and Yard Piping Plan
10	C-02	Proposed Site and Yard Piping Plan (Brine Tank to OSHG Room)
MECHANICAL		
11	M-01	OSHG System Facility Plan (Overall Enlarged Plan)
12	M-02	OSHG System Facility Plan (OSHG Room)
13	M-03	OSHG System Facility Plan (Metering Pump Room)
14	M-04	OSHG System Facility Plan (Brine Tank Area)
15	M-05	OSHG System Facility Sections (1 of 2)
16	M-06	OSHG System Facility Sections (2 of 2)
17	M-07	OSHG System Facility Isometric
18	M-08	OSHG System Facility Water Softeners Plan and Sections
19	M-09	Mechanical Details (1 of 2)
20	M-10	Mechanical Details (2 of 2)
STRUCTURAL		
21	S-01	General Notes and Lap Table
22	S-02	OSHG System Facility Plan
23	S-03	OSGH Roof Plan and Section
24	S-04	Structural Details
HVAC		
25	H-01	Legend and Symbols
26	H-02	Schedule & Details
27	H-03	Sodium Hypochlorite Generation Room Elevation, Floor, and Roof Plan
PLUMBING		
28	P-01	Roof and Floor Plan
29	P-02	Water Schematic
30	P-03	Drain Schematic
31	P-04	Plumbing Details
32	P-05	Schedule
ELECTRICAL		
33	E-01	Legend and Symbols I
34	E-02	Legend and Symbols II
35	E-03	General Notes
36	E-04	Overall Existing Site Plan
37	E-05	Existing Pump Room Layout Plan
38	E-06	Control Room Layout Plan Demolition
39	E-07	Metering Pump Room Layout Plan Demolition
40	E-08	Sodium Hypochlorite Generation Storage Room Layout Plan Demolition
41	E-09	Photographs
42	E-10	Brine Tank Area Layout Plan Demolition
43	E-11	Main-Tie-Main MV 4160V Switchgear
44	E-12	Panel A and B One-Line Diagram Demolition
45	E-13	Panel Schedules I Demolition
46	E-14	Panel Schedules II Demolition
47	E-15	Existing MCC One-Line Diagram Demolition
48	E-16	Panel A and B One-Line Diagram Modification
49	E-17	Panel Schedules I Modification
50	E-18	Panel Schedules II Modification
51	E-19	MCC One-Line Diagram Modification
52	E-20	Control Room Electrical Plan
53	E-21	Metering Pump Room Electrical Plan
54	E-22	Sodium Hypochlorite Generation Room Electrical Plan
55	E-23	Basement Electrical Plan
56	E-24	Brine Tank Area Electrical Plan
57	E-25	Interface Diagram
58	E-26	OSHG-CP-1 Riser Diagram
59	E-27	OSHG-CP-2 Riser Diagram
60	EY-01	Schematics I
61	EY-02	Schematics II
62	EY-03	NOT USED
63	EZ-01	Electrical Details
INSTRUMENTATION		
64	I-01	Legends and Symbols I
65	I-02	Legends and Symbols II
66	I-03	Market St. Pump Station System Architecture Diagram
67	I-04	Market St. Pump Station - P&ID I
68	I-05	Market St. Pump Station - P&ID II
69	I-06	Market St. Pump Station - P&ID III

GENERAL CONSTRUCTION NOTES

GENERAL NOTES

- ALL MATERIALS AND CONSTRUCTION PROCEDURES WITHIN THE SCOPE OF THIS CONTACT SHALL BE APPROVED BY THE SAN ANTONIO WATER SYSTEM (SAWS) AND COMPLY WITH THE FOLLOWING, AS APPLICABLE, BUT NOT LIMITED TO:
 - CURRENT TEXAS COMMISSION ON ENVIRONMENTAL QUALITY DESIGN CRITERIA FOR WATER SYSTEMS.
 - CURRENT "SAN ANTONIO WATER SYSTEM STANDARD SPECIFICATIONS FOR CONSTRUCTION"
 - CURRENT CITY OF SAN ANTONIO "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION."
 - THE LAWS OF THE STATE OF TEXAS AND OSHA STANDARDS.
- THE PLANS REFLECT EXISTING FACILITIES BASED ON RECORD DRAWING INFORMATION AND INFORMATION PROVIDED BY SAWS. REPORT ANY DISCREPANCIES TO ENGINEER PRIOR TO CONSTRUCTION.
- UNLESS DETAILED, SPECIFIED, OR INDICATED OTHERWISE, CONSTRUCTION SHALL BE AS INDICATED IN THE APPLICABLE TYPICAL DETAILS AND THESE GENERAL NOTES. TYPICAL DETAILS ARE MEANT TO APPLY EVEN THOUGH NOT REFERENCED AT SPECIFIC LOCATIONS ON DRAWINGS WHERE THEY OCCUR.
- DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALES SHOWN ON DRAWINGS.
- ALL WORK SHALL CONFORM TO THE PLANS AND SPECIFICATIONS IN ALL RESPECTS AND SHALL BE SUBJECT TO APPROVAL BY THE ENGINEER.
- NO EXTRA PAYMENT SHALL BE ALLOWED FOR WORK CALLED FOR ON THE PLANS BUT NOT INCLUDED IN THE BID SCHEDULE. THIS INCIDENTAL WORK SHALL BE REQUIRED AND SHALL BE INCLUDED UNDER THE PAY ITEM TO WHICH IT RELATES.
- THE CONTRACTOR SHALL NOT PROCEED WITH ANY WORK UNTIL THEY OBTAIN APPROVED SUBMITTALS FOR THE ASSOCIATED WORK AND MATERIALS, AND NOTIFY SAWS CONSTRUCTION INSPECTOR.
- WORK COMPLETED BY THE CONTRACTOR WHICH HAS NOT RECEIVED A WORK ORDER OR THE NOTICE TO PROCEED FROM THE SAN ANTONIO WATER SYSTEM CONSTRUCTION INSPECTION DIVISION MAY BE SUBJECT TO REMOVAL AND REPLACEMENT BY AND AT THE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE SAN ANTONIO WATER SYSTEM OF ANY UNREPORTED OBSTACLES THAT MAY IMPEDE OR PREVENT THE CONSTRUCTION OF THE NEW FACILITIES.
- CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO PROTECT EXISTING FACILITIES AT ALL TIMES.
- ALL GATES AND FENCES SHALL BE LOCKED AND CLOSED AT ALL TIMES WHEN NOT IN USE. CONTRACTOR SHALL FOLLOW ALL SECURITY PROCEDURES OF THE SAN ANTONIO WATER SYSTEM.
- CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF ALL WASTE MATERIALS UPON PROJECT COMPLETION. EXISTING DUMPSTERS ON-SITE ARE NOT FOR CONTRACTOR'S USE.
- ALL SLOPES SHALL BE SODDED OR SEEDDED WITH APPROVED GRASS, GRASS MIXTURES OR GROUND COVER SUITABLE TO THE AREA AND SEASON IN WHICH THEY ARE APPLIED.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT FROM DAMAGE ALL INFRASTRUCTURE. THE EXPENSE OR REPAIR OF SAID INFRASTRUCTURE SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- ALL WASTE MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND IT SHALL BE HIS SOLE RESPONSIBILITY TO DISPOSE OF THESE MATERIALS IN ACCORDANCE WITH ALL LOCAL STATE AND FEDERAL REGULATIONS. NO WASTE MATERIAL SHALL BE PLACED IN DESIGNATED F.E.M.A. FLOOD PLAINS OR IN LOW AREAS THAT WILL BLOCK OR ALTER THE FLOW OF EXISTING NATURAL DRAINAGE.
- CONTRACTOR TO SUPPORT AND KEEP INTACT STORM DRAINS AND INLET STRUCTURES. ANY DAMAGE INCURRED WILL BE AT CONTRACTOR'S EXPENSE.
- CONTRACTOR AGREES TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- CONTRACTOR IS REQUIRED TO VERIFY PROJECT ELEVATIONS. "MATCH EXISTING" SHALL BE UNDERSTOOD TO SIGNIFY VERTICAL AND HORIZONTAL ALIGNMENT.
- ANY DISCREPANCY OR CONFLICT WITHIN THE DRAWINGS AND SPECIFICATION SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER. DISCREPANCIES OR CONFLICTS NOT BROUGHT TO THE OWNER AND ENGINEER'S ATTENTION AND CLARIFIED DURING THE BIDDING OF THE PROJECT WILL BE DEEMED TO HAVE BEEN BID OR PROPOSED IN THE MORE COSTLY OR DIFFICULT MANNER, AND THE BETTER QUALITY OR GREATER QUANTITY OF THE WORK SHALL BE PROVIDED BY THE CONTRACTOR IN ACCORDANCE WITH THE OWNER AND ENGINEER'S INTERPRETATION. ALL ITEMS, WORK, AND IMPROVEMENTS SHOWN OR INDICATED IN THE CONSTRUCTION DOCUMENTS SHALL BE COMPLETED FOR THE PRICES BID WHETHER OR NOT A SEPARATE PAY ITEM IS INCLUDED IN THE CONTRACT.
- CONTRACTOR TO PROVIDE TEMPORARY CONTROLS DURING CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, NOISE CONTROL, DUST CONTROL, STORM WATER DRAINAGE, EROSION CONTROL, ANY DAMAGE TO EXISTING PAVEMENT OR IMPROVEMENTS ON PROPERTY ADJACENT TO THE CONSTRUCTION AREA SHALL BE RESTORED BY THE CONTRACTOR TO PRE-CONSTRUCTION CONDITION AND TO THE SATISFACTION OF THE OWNER(S)
- ANY EXISTING SITE ELEMENTS DAMAGED BY THE CONTRACTOR SHALL BE REMOVED AND RESTORED WITH MATERIALS EQUAL TO OR BETTER THAN THE ORIGINAL TO THE SATISFACTION OF THE OWNER AND SHALL BE AT THE CONTRACTOR'S EXPENSE UNLESS OTHERWISE NOTED.
- EQUIPMENT AND MATERIALS SHALL BE STORED AT LOCATIONS SHOWN ON PLANS AND APPROVED BY THE SAWS INSPECTOR.

23. CONTRACTOR SHALL BE REQUIRED TO OBTAIN THE SERVICES OF A THIRD PARTY SURVEYOR FOR VERIFICATION OF EXISTING STRUCTURE ELEVATIONS.

24. SOME DIMENSIONS AND ELEVATIONS RELATED TO EXISTING STRUCTURES WERE OBTAINED FROM PREVIOUS CONSTRUCTION/RECORD DRAWINGS. ALL EXISTING DIMENSIONS AND ELEVATIONS SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR AT NO COST TO OWNER.

25. MECHANICAL AND ELECTRICAL EQUIPMENT, SUPPORTS, ANCHORAGES, OPENINGS, RECESSES AND REVEALS NOT SHOWN ON THE DRAWINGS BUT REQUIRED BY THE CONTRACT DOCUMENTS SHALL BE PROVIDED.

RECORDS

- THE CONTRACTOR SHALL MAINTAIN A NEAT AND ACCURATE RECORD OF CONSTRUCTION FOR OWNER'S AND CONSULTANT'S RECORDS. THE CONTRACTOR SHALL PROVIDE OWNER AND THE CONSULTANTS WITH REPRODUCIBLE MARKUPS THAT RECORD ALL CONSTRUCTION DEVIATING FROM THE PLANS.

COORDINATION

- CONTRACTOR SHALL NOTIFY THE OWNER AND CONSULTANT AND ALL RESPECTIVE GOVERNMENTAL OR UTILITY AGENCIES AFFECTED BY CONSTRUCTION 72 HOURS PRIOR TO STARTING CONSTRUCTION.
- PRIOR TO TIE-INS, ANY SHUTDOWNS OF EXISTING FACILITIES MUST BE COORDINATED WITH THE SAN ANTONIO WATER SYSTEM CONSTRUCTION INSPECTION DIVISION AT LEAST ONE WEEK IN ADVANCE OF THE SHUTDOWN. THE CONTRACTOR MUST ALSO PROVIDE A SEQUENCE OF WORK AS RELATED TO THE PROJECT SCOPE FOR REVIEW AND APPROVAL. THIS IS AT NO ADDITIONAL COST TO SAWS OR THE PROJECT AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SEQUENCE THE WORK ACCORDINGLY.
- WORKING HOURS ARE AS SPECIFIED IN SAWS GENERAL CONDITIONS.
- CONTRACTOR MAY BE ALLOWED TO WORK AT NIGHT AND ON WEEKENDS. CONTRACTOR MUST NOTIFY THE SAWS INSPECTOR.
- THE CONTRACTOR SHALL COORDINATE OPERATION OF ALL EXISTING VALVES WITH THE OWNER. CONTACT THE ASSIGNED OWNER'S CONSTRUCTION INSPECTOR.
- CONTRACTOR AREAS FOR PARKING, LAY DOWN, AND TEMPORARY SPOIL STORAGE SHALL BE AS SHOWN IN THE DRAWINGS. CONTRACTOR TO RESTRICT HIS OPERATIONS TO THESE AREAS.
- REFER TO SECTION 01 14 16 FOR ADDITIONAL COORDINATION REQUIREMENTS WITH OWNER.

FIELD SURVEY REQUIREMENTS

- ALL ELEVATIONS ARE BASED ON USGS DATUM. HORIZONTAL DATUM IS TEXAS STATE PLANE COORDINATE SYSTEM, 4204 TEXAS SOUTH CENTRAL (SURFACE).

DEMOLITION NOTES

- ALL EQUIPMENT AND MATERIALS TO BE DEMOLISHED AND REMOVED FROM THE SITE SHALL BECOME THE CONTRACTOR'S PROPERTY. ITEMS TO BE SALVAGED (IF ANY) WILL BE SPECIFICALLY NOTED ON THE PLANS. CONTRACTOR IS FULLY RESPONSIBLE FOR THE PROPER REMOVAL AND DISPOSAL OF ALL EQUIPMENT AND MATERIALS IN ACCORDANCE TO ALL LOCAL, STATE, AND FEDERAL REGULATIONS.
- CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXACT LOCATION OF ALL EXISTING UNDERGROUND UTILITIES AND DRAINAGE STRUCTURES WHETHER SHOWN ON THE PLANS OR NOT BEFORE COMMENCING ANY DEMOLITION.
- THE LOCATION OF EXISTING UNDERGROUND CABLES INDICATED ON THE PLANS ARE TAKEN FROM THE BEST RECORDS AVAILABLE AND ARE NOT GUARANTEED TO BE ACCURATE. CONTRACTOR HAS THE RESPONSIBILITY TO PROTECT AND SUPPORT ALL LINES DURING CONSTRUCTION.
- EXISTING UTILITIES AND SERVICES WITHIN AND ADJACENT TO THE DEMOLITION LIMITS SHALL BE PROTECTED FROM DAMAGE.
- ALL DISTURBED AREAS SHALL BE HYDROMULCHED AND TOP DRESSED TO PROVIDE FOR TURF ESTABLISHMENT. CONTRACTOR TO WATER HYDROMULCHED AREAS FOR TWO MONTHS TO RE-ESTABLISH VEGETATION.
- ANY DAMAGE TO EXISTING ADJACENT PAVED AREAS WILL BE REPAIRED TO EQUAL OR BETTER CONDITIONS, INCLUDING ANY SUBGRADE FAILURES AS A RESULT OF CONTRACTOR'S TRAFFIC.

SUBMITTALS

- THE CONTRACTOR SHALL SUBMIT A SEQUENCE OF WORK SCHEDULE TO THE OWNER AND CONSULTANT PRIOR TO COMMENCING WORK. ALL PHASES OF CONSTRUCTION MUST BE COORDINATED WITH THE OWNER AND CONSULTANT. FIELD ADJUSTMENTS MAY BE NECESSARY AND WILL BE CARRIED OUT AS DIRECTED BY THE OWNER AT NO EXTRA PAY.
- THE CONTRACTOR SHALL PROVIDE SUBMITTALS TO SAWS AND CONSULTANT FOR REVIEW PRIOR TO DELIVERY OF ANY MATERIALS OR EQUIPMENT TO THE SITE.

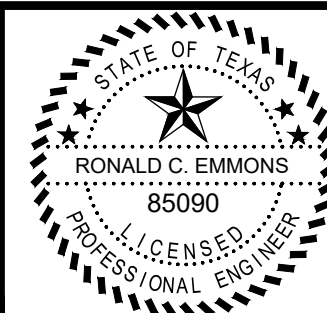
CONSTRUCTION PHASING

- PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL SUBMIT A DETAILED PROJECT CONSTRUCTION SCHEDULE THAT DEMONSTRATES COMPLIANCE OR DIFFERENCE WITH THE PROPOSED CONSTRUCTION SEQUENCING.
- MAINTENANCE OF PLANT HEADWORKS AND INFLUENT CHAMBERS ARE CRITICAL DURING CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL COORDINATE WITH OWNER TO CONDUCT TIE-INS AND SHUT DOWNS WITH PLANT OPERATIONS. CONTRACTOR SHALL PROVIDE OWNER AT LEAST ONE WEEK NOTICE PRIOR TO SCHEDULING WORK THAT WILL CAUSE FACILITIES TO BE TEMPORARILY TAKEN OFFLINE.

CONTRACTOR NOTE

1. CONTRACTOR SHALL CONFIRM ALL DIMENSIONS AND ELEVATIONS PRIOR TO FABRICATING ANY EQUIPMENT. THIS INCLUDES THE OSHG EQUIPMENT, PUMPS, AND TANKS.

Proj. No.:	1076
Designed:	
Drawn:	
Approved:	
File:	1
Revision	11/04/21
Date	ADDENDUM 1
Description	



Ronald C. Emmons
11-4-21



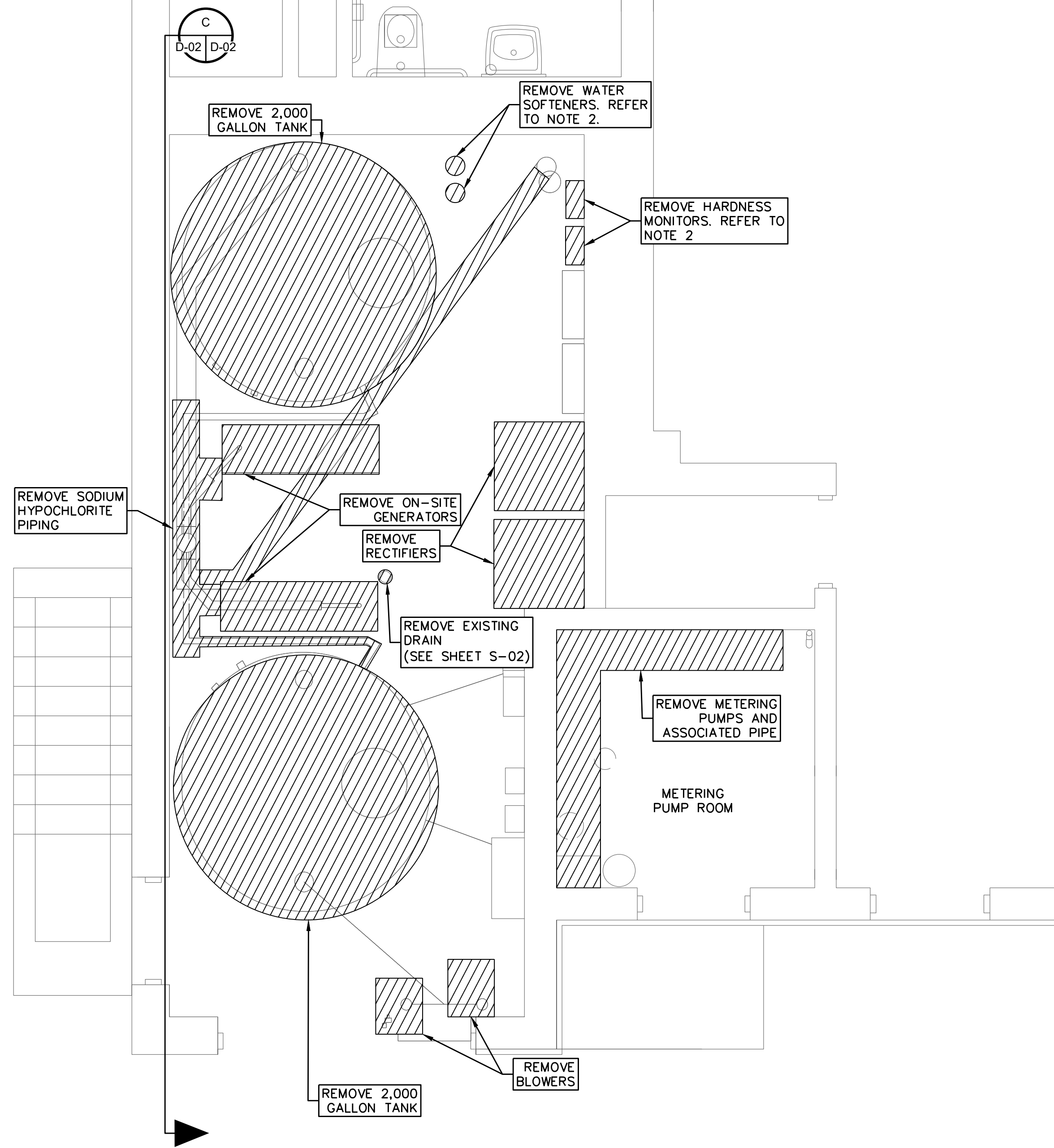
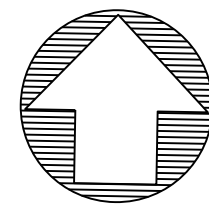
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SAN ANTONIO WATER SYSTEM
MARKET STREET PUMP STATION
DISINFECTION SYSTEM UPGRADES
SAWS Job No. 21-6008
San Antonio, Texas

SHEET INDEX AND
GENERAL NOTES

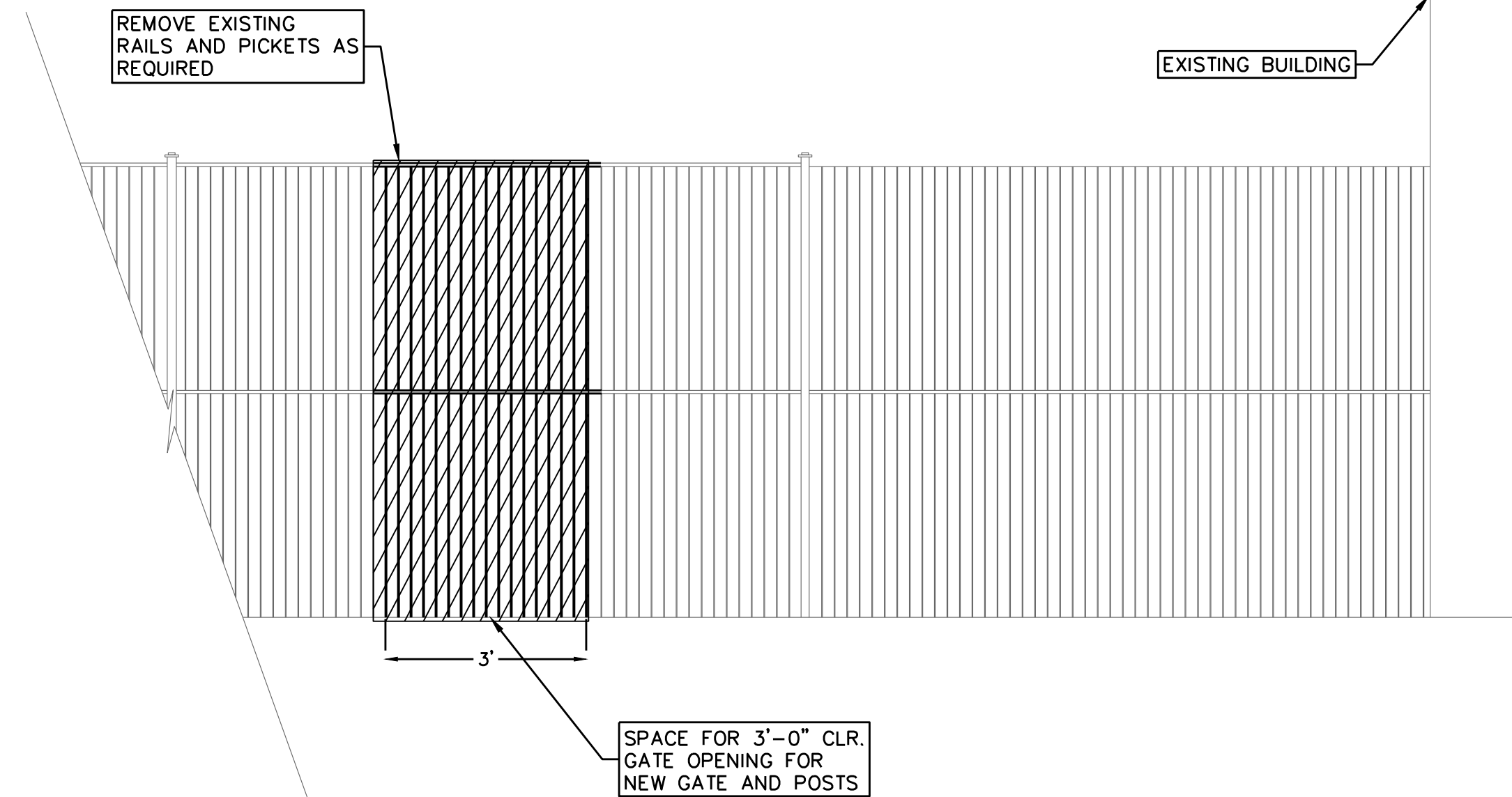
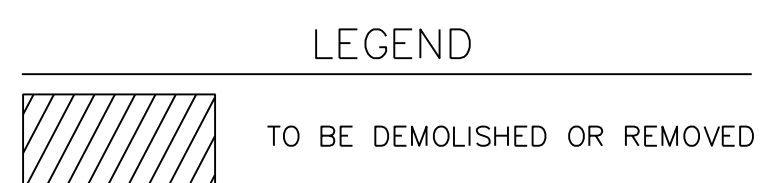
G-02



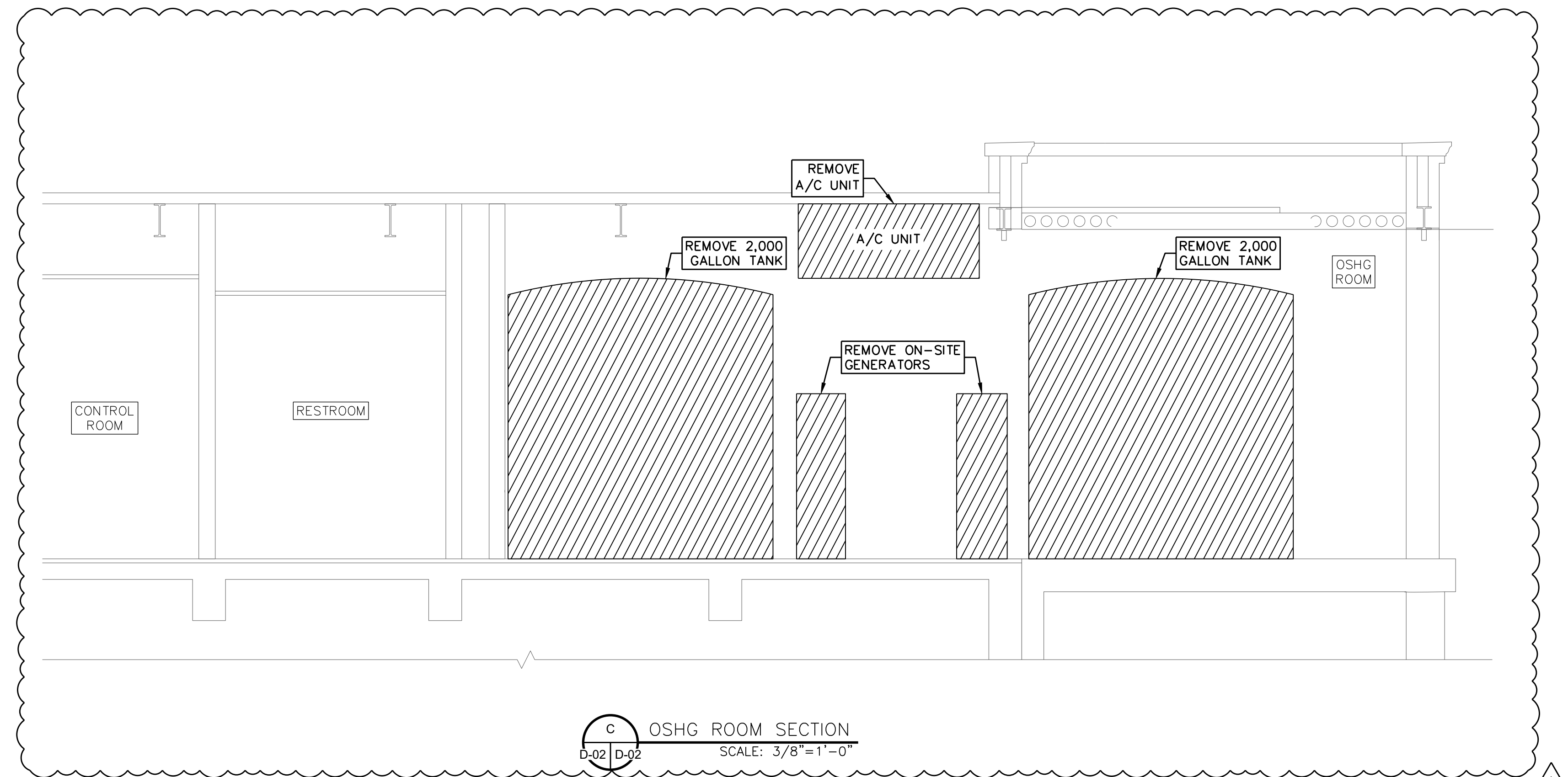
NOTES:

1. REFER TO DEMOLITION NOTES ON SHEET D-01.
2. REMOVE WATER SOFTENERS AND RETURN TO OWNER.
3. CONTRACTOR TO PROTECT ROOF MEMBRANE AND ADJACENT CONSTRUCTION DURING THE PARTIAL REMOVAL OF THE FENCE POSTS, RAILS, AND PICKETS FOR NEW GATE. PREPARE AREA FOR NEW CONSTRUCTION.
4. SEE SHEETS E-07 AND E-08 FOR DEMOLITION OF OSHG AND METERING PUMP ROOM.

A OSHG AND METERING PUMP ROOM IMPROVEMENTS
D-02 SCALE: 3/8" = 1'-0"



B BRINE TANK FENCE
D-02 SCALE: 1/2" = 1'-0"



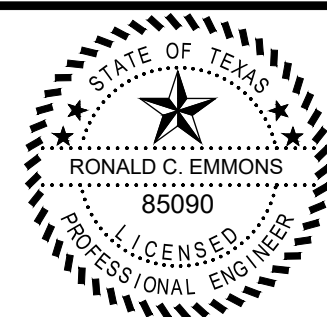
C OSHG ROOM SECTION
D-02 D-02 SCALE: 3/8" = 1'-0"

DEMOLITION OSHG AND METERING PUMP ROOM AND BRINE TANK FENCE

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

10/26/2021 L:\SHARE1\CADD\SAWS\076 - MARKET ST DISINFECTION DRAWINGS\SHEETS\02.DWG

Proj. No.: 1076			
Designed: _____			
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1	11/04/21	ADDENDUM 1	
Revision	Date	Description	



Ronald Emmons
11-4-21



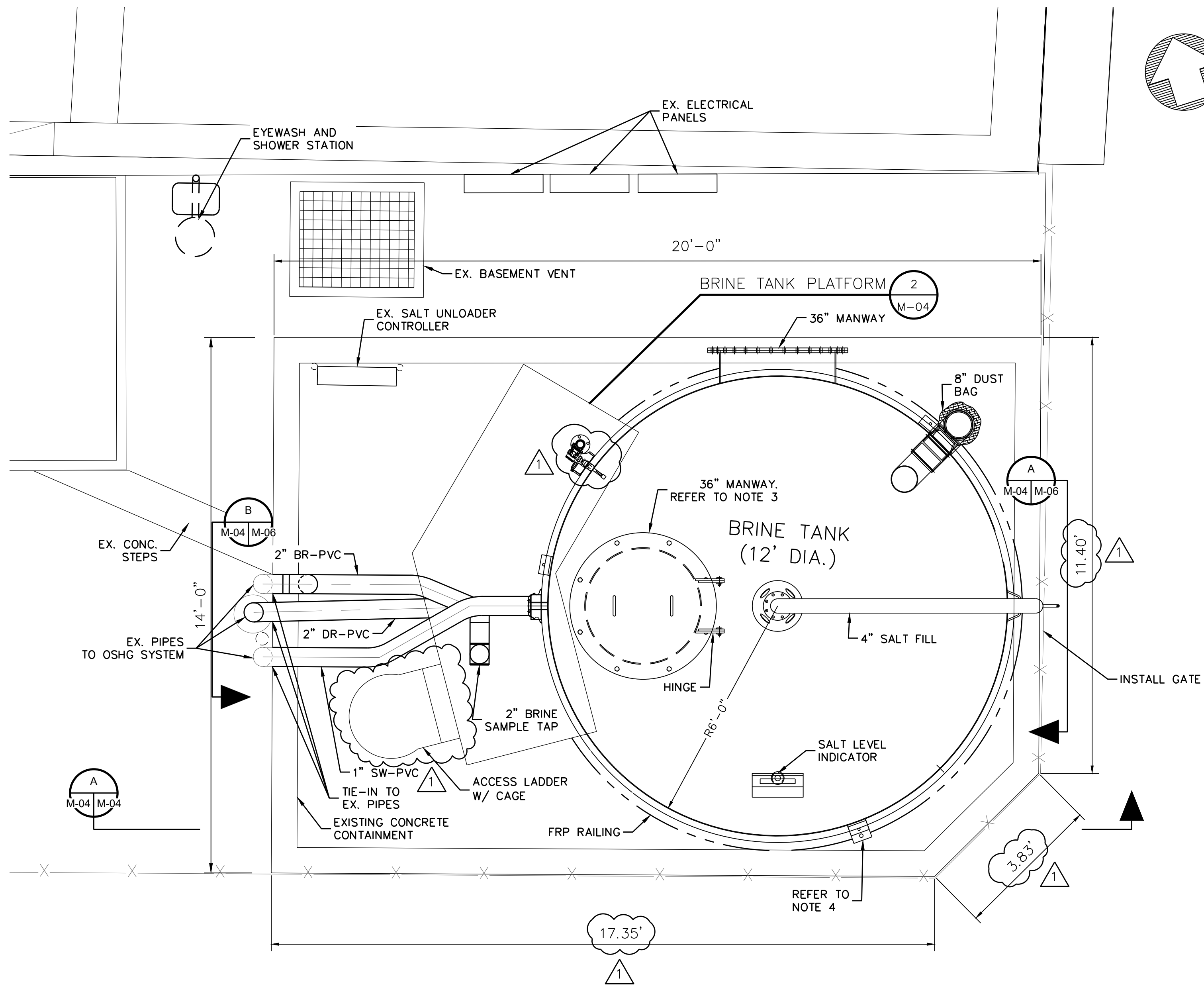
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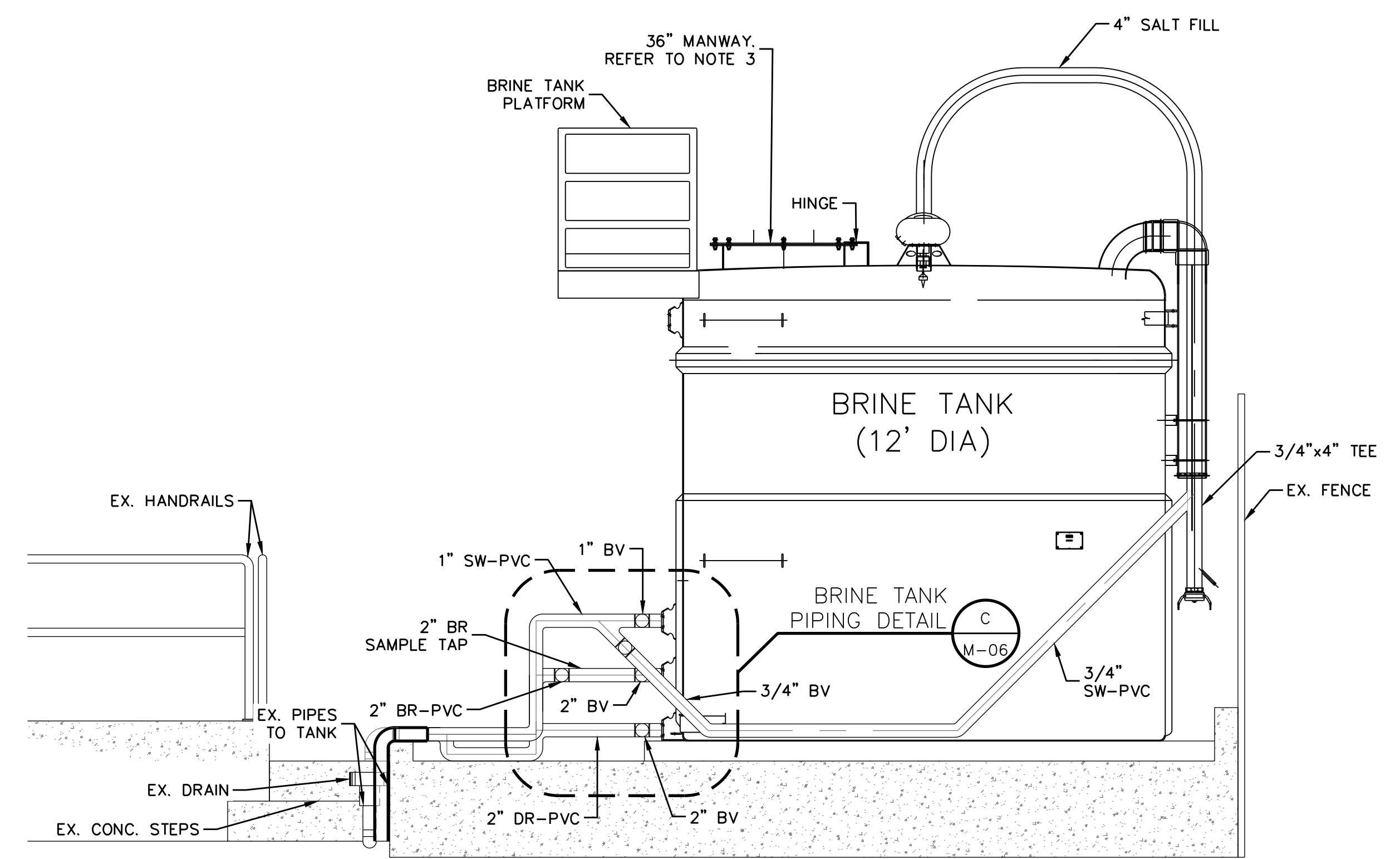
SAN ANTONIO WATER SYSTEM
MARKET STREET PUMP STATION
DISINFECTION SYSTEM UPGRADES
SAWS Job No. 21-6008
San Antonio, Texas

DEMOLITION OSHG AND METERING PUMP ROOM AND BRINE TANK FENCE

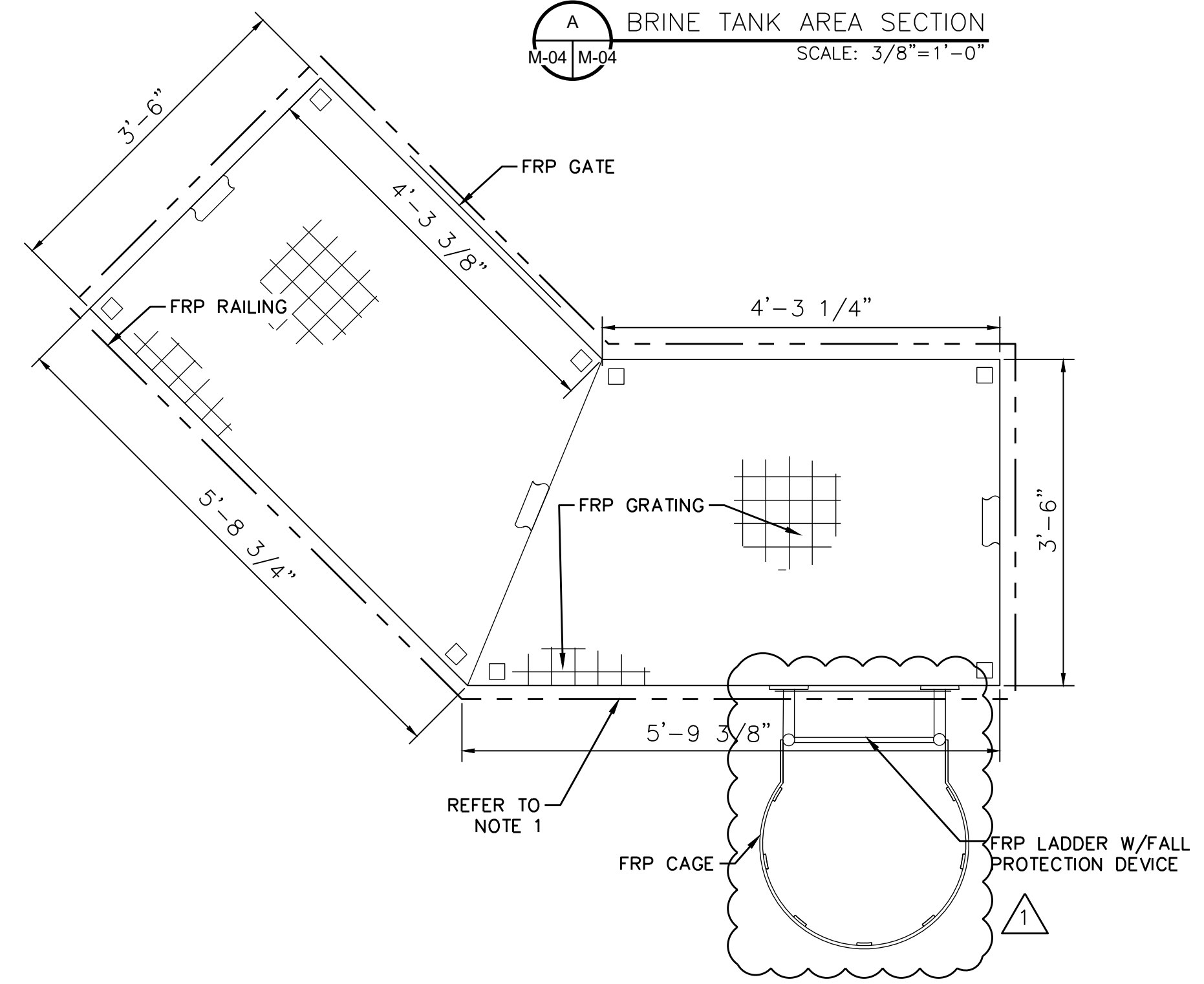
D-02



1
M-04
BRINE TANK
AREA IMPROVEMENTS
SCALE: 1"=2'



A
M-04 M-04
BRINE TANK AREA SECTION
SCALE: 3/8"=1'-0"



2
M-04
BRINE
TANK PLATFORM
SCALE: 3/4"=1'-0"

OSHG SYSTEM FACILITY
PLAN (BRINE TANK AREA)
SCALE: 1"=2'

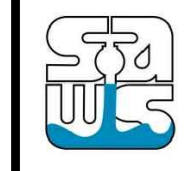
- NOTES:
1. MANUFACTURER WILL BE RESPONSIBLE FOR THE DESIGN OF THE BRINE TANK PLATFORM.
 2. 1" SW-PVC, 2" BR-PVC, AND 2" DR-PVC ARE SHOWN ENLARGED TO DEPICT ALUMINUM PIPE INSULATION JACKET.
 3. CONTRACTOR TO INSTALL LOCKING MECHANISM ON 36" MANWAY.
 4. CONTRACTOR TO MATCH EXISTING TIE-DOWN LOCATION.

11/4/2021 L:\SHARE1\CADD\SAWS\1076 - MARKET ST DISINFECTION DRAWINGS\SHEETS\M4.DWG

Proj. No.:	1076		
Designed:			
Drawn:			
Approved:			
File:			
Revision	1	11/04/21	ADDENDUM 1
		Date	Description



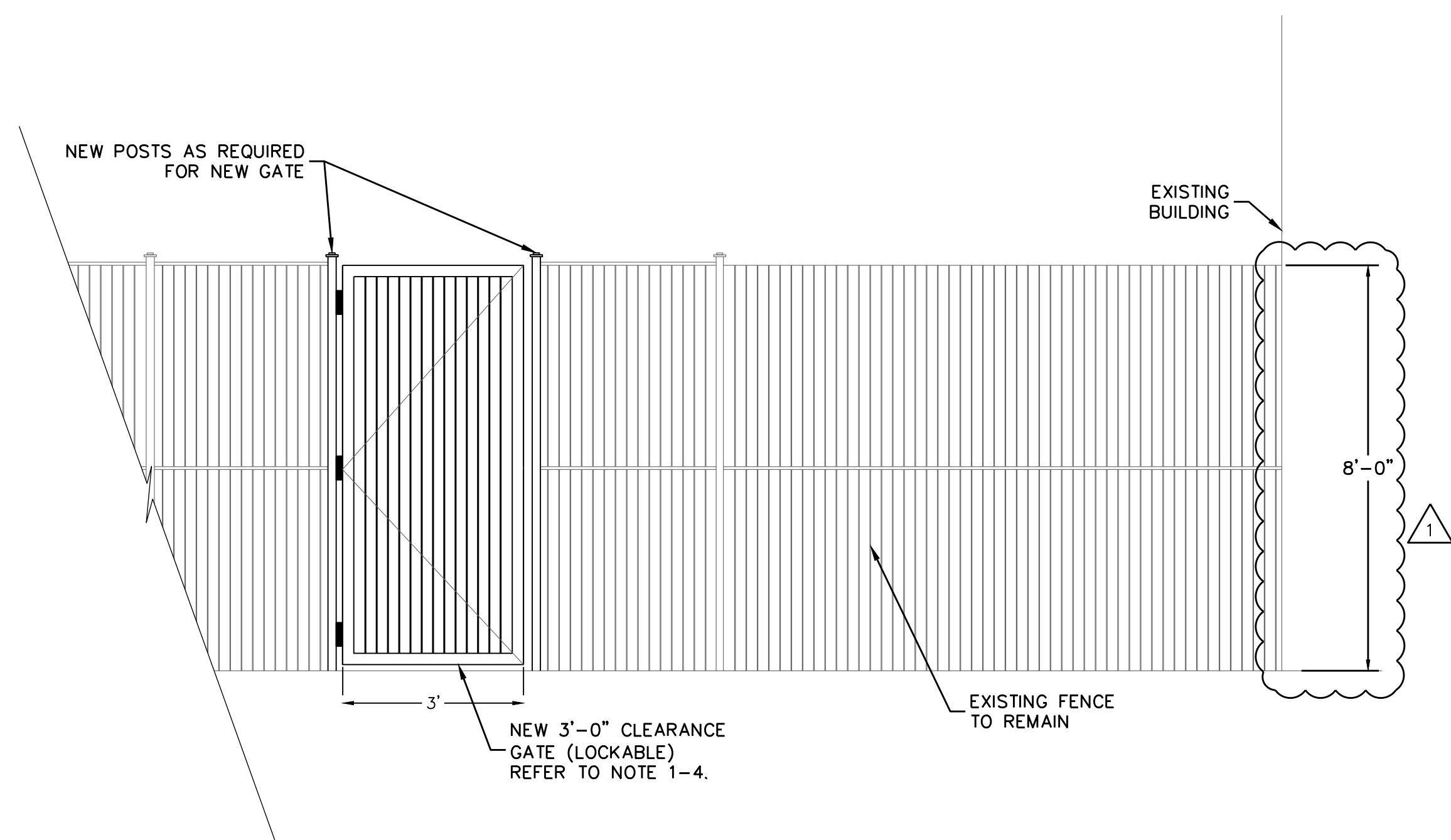
Garcia Infrastructure Consultants, LLC
Texas Firm No. F-17794
12042 Blanco Rd., Ste. 203
San Antonio, Texas 78216
Ph. (210) 437-0323



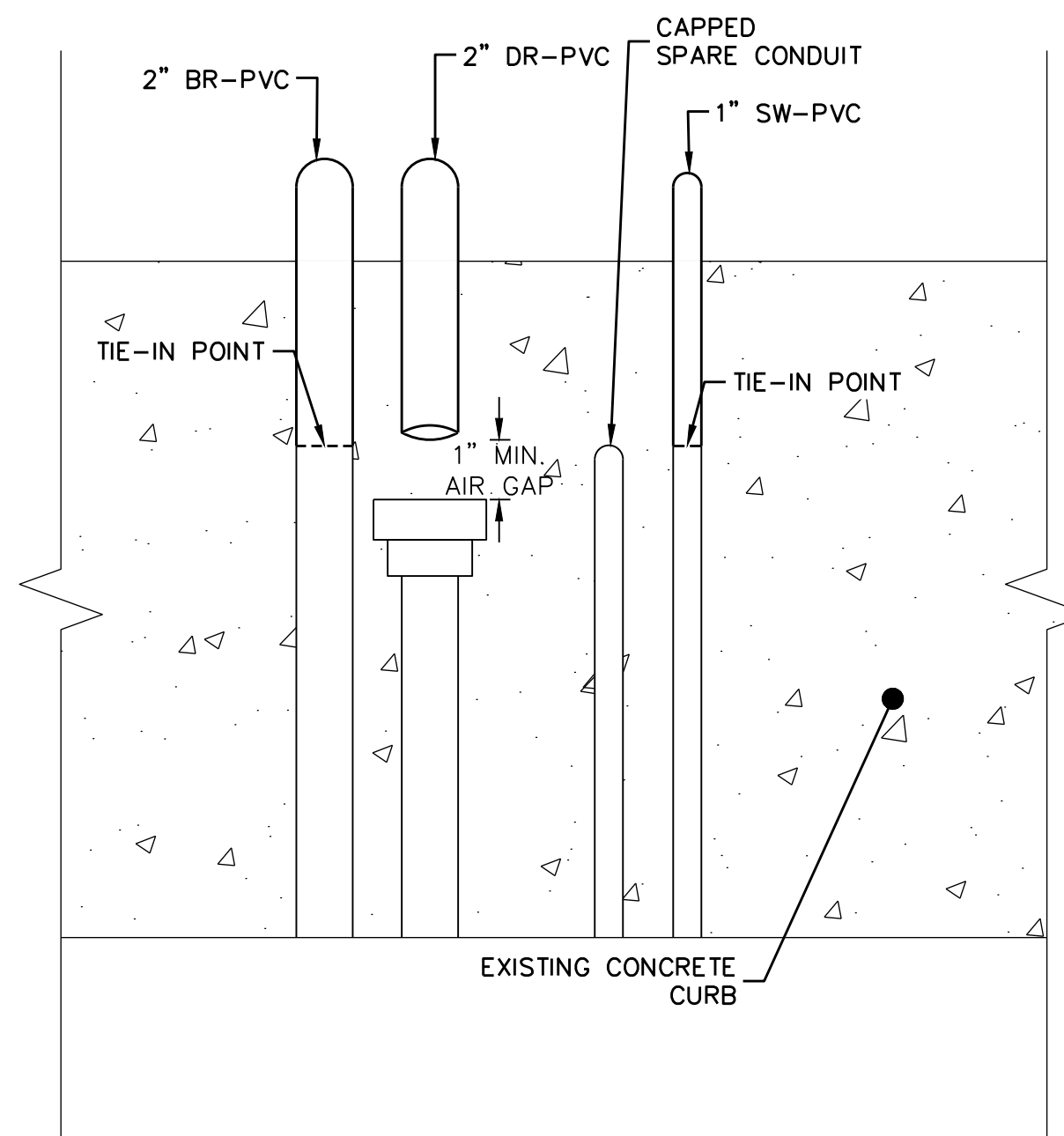
SAN ANTONIO WATER SYSTEM
MARKET STREET PUMP STATION
DISINFECTION SYSTEM UPGRADES
SAWS Job No. 21-6008
San Antonio, Texas

OSHG SYSTEM FACILITY
PLAN (BRINE TANK AREA)

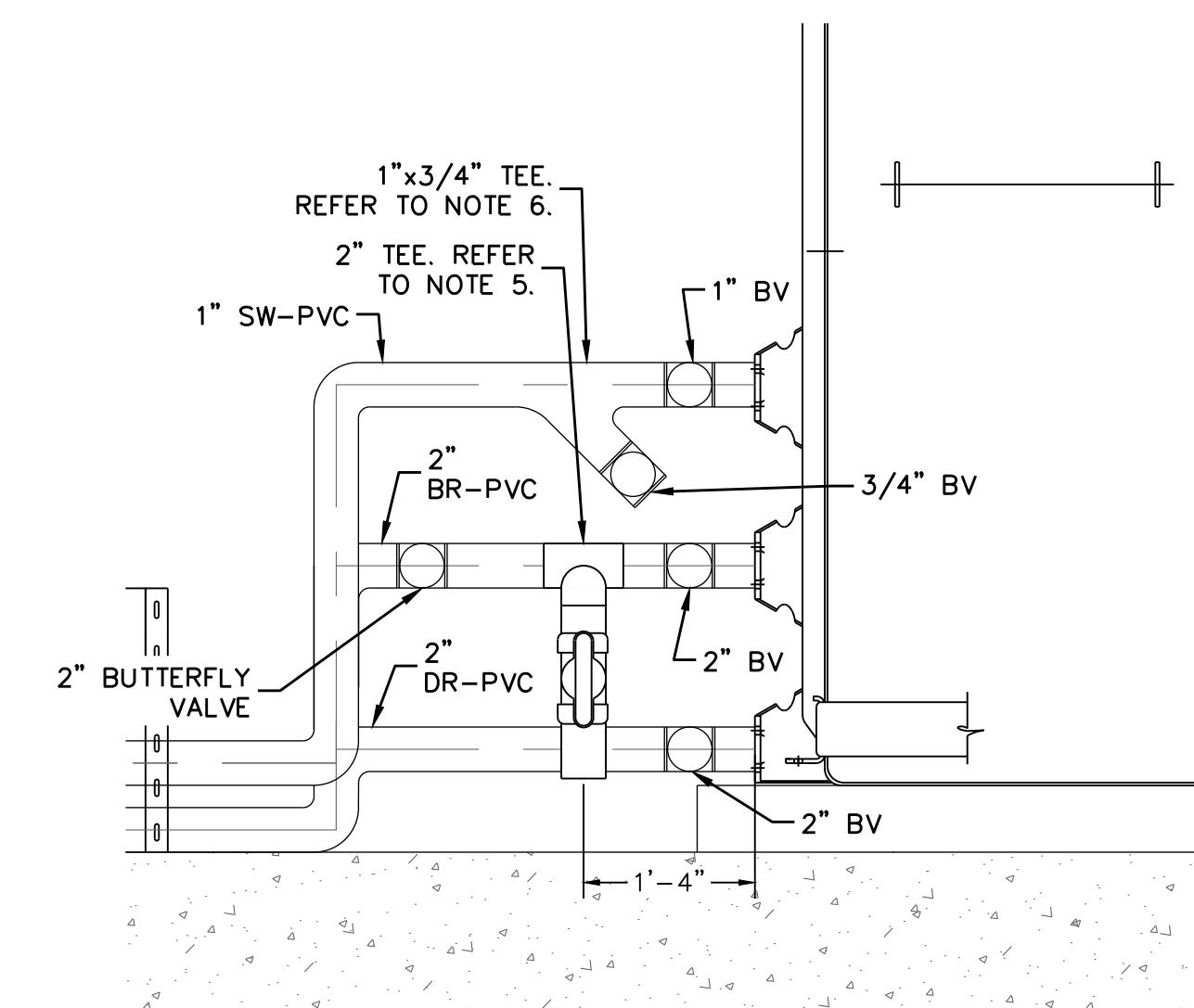
M-04



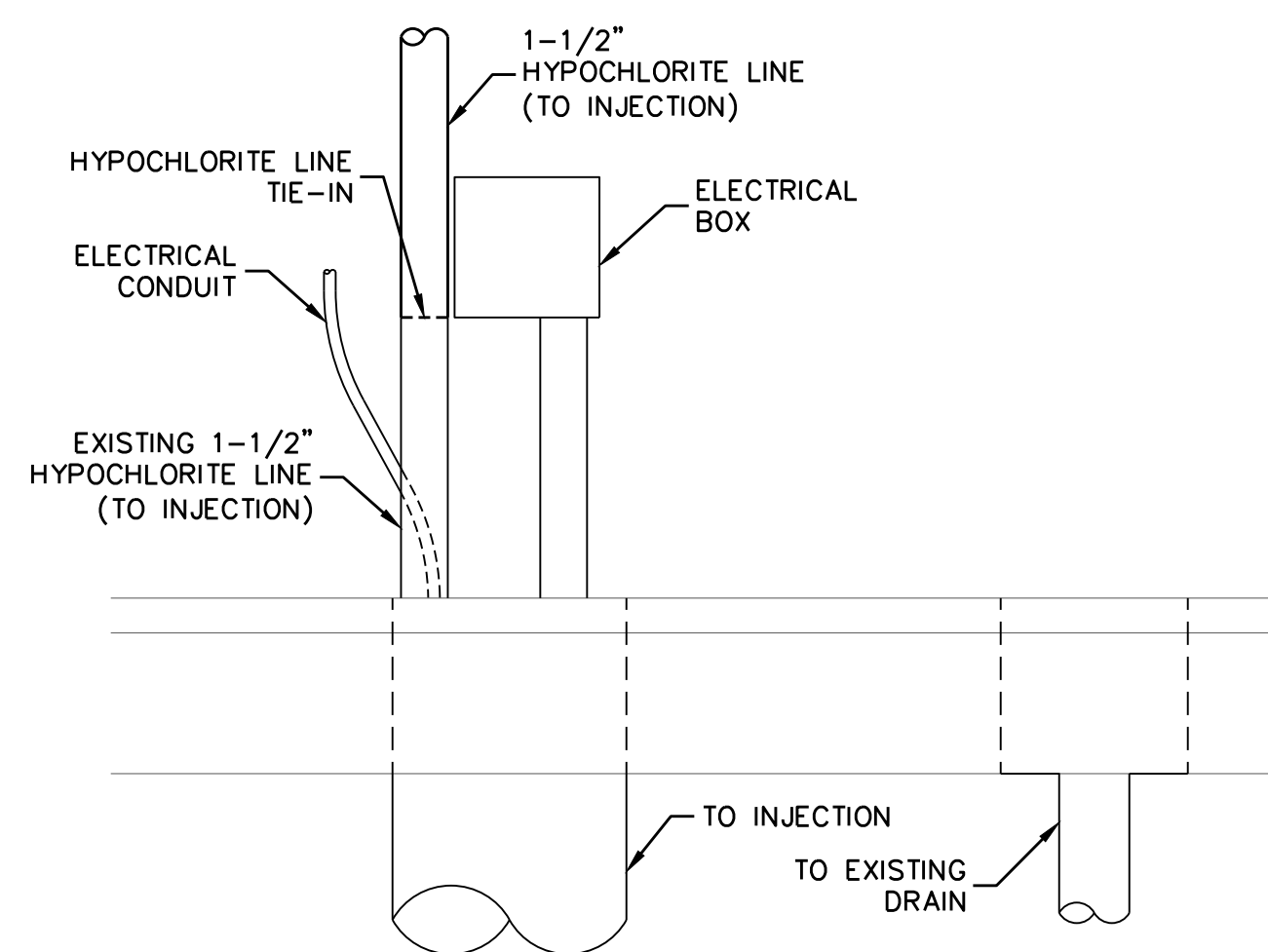
A GATE SECTION
M-04 M-06 SCALE: 1/2"=1'-0"



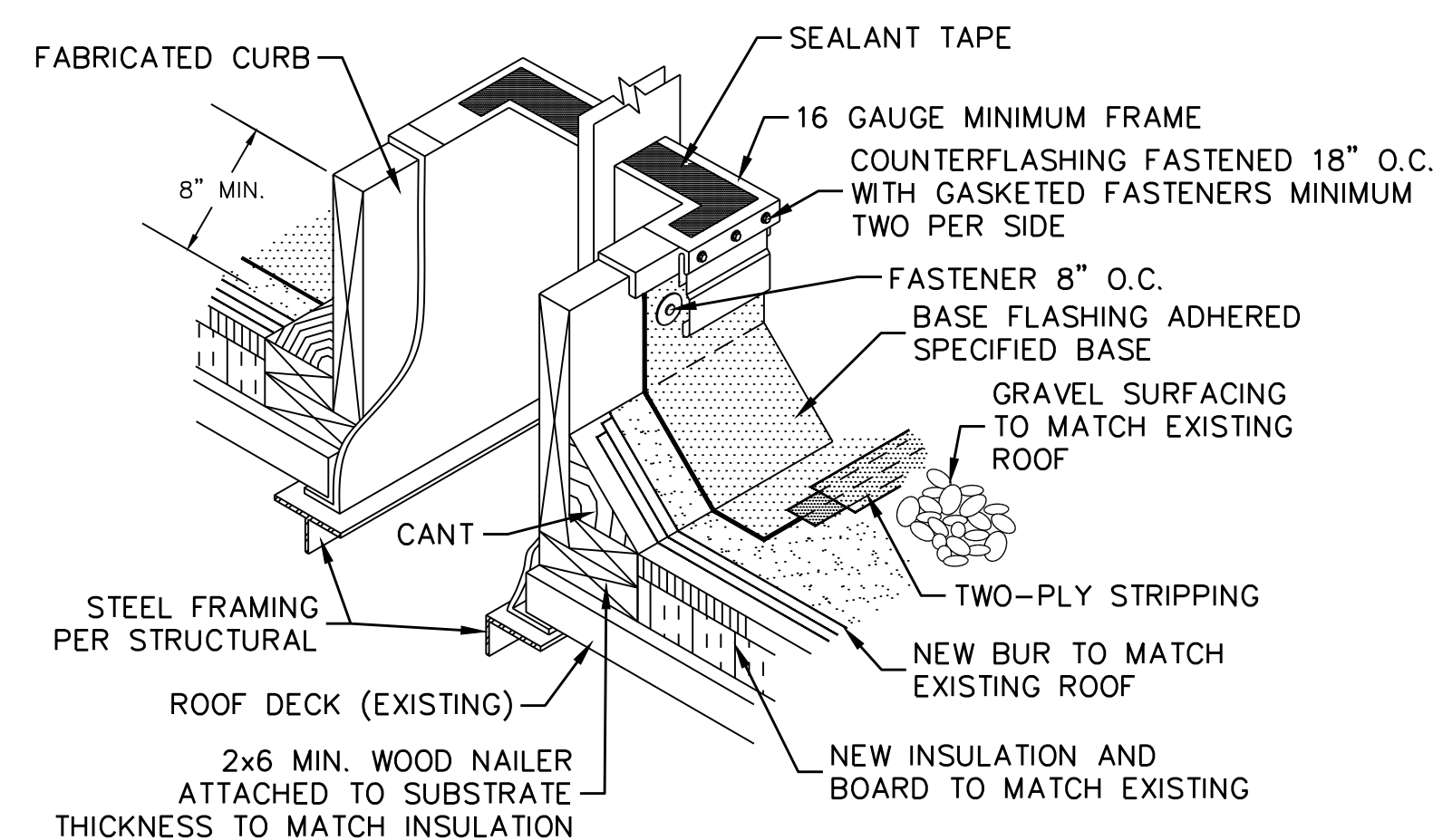
B TIE-IN SECTION
M-04 M-06 SCALE: 2"=1'-0"



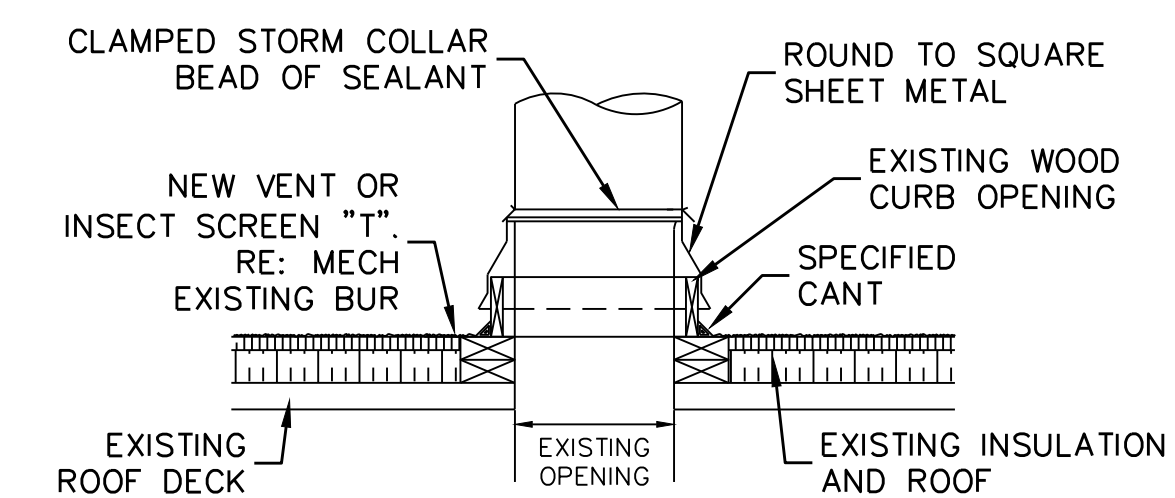
C BRINE TANK PIPING DETAIL
M-06 SCALE: 3/4"=1'-0"



D TIE-IN DETAIL
M-06 SCALE: 1-1/2"=1'-0"



E RTU CURB FLASHING DETAIL
M-06 SCALE: N.T.S.



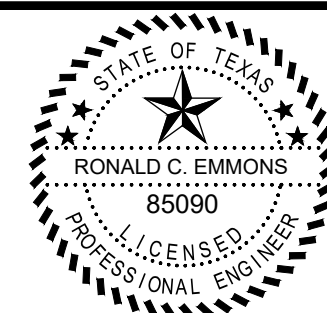
F VENT FLASHING DETAIL
M-06 SCALE: N.T.S.

- NOTES:**
- CONTRACTOR TO PROVIDE NEW GATE, RAILS, AND PICKETS TO MATCH EXISTING FENCE IN COLOR, MATERIAL, AND QUALITY.
 - INSTALLATION AND ATTACHMENT TO THE ROOF SHOULD MATCH WHAT HAS ALREADY BEEN DONE.
 - CONTRACTOR TO SUBMIT SHOP DRAWINGS DETAILING THE ATTACHMENT AND FENCE SPECIFICS ALONG WITH SAMPLES FOR APPROVAL.
 - CONTRACTOR TO PROTECT THE ROOF MEMBRANE AND ADJACENT CONSTRUCTION DURING THE INSTALLATION OF THE NEW FENCE.
 - ROTATE BRINE SAMPLE TAP ASSEMBLY APPROXIMATELY ±45° FOR CLEARANCE OF ADJACENT LINES AND ACCESSIBILITY TO VALVE.
 - 1"x3/4" TEE TO CONNECT SW-PVC TO 4" SALT LINE. 3/4" SW-PVC LINE NOT SHOWN FOR CLARITY.

OSHG SYSTEM FACILITY SECTIONS (2 OF 2)

SCALE: AS NOTED

Proj. No.:	1076	
Designed:		
Drawn:		
Approved:		
File:		
Revision	Date	Description
1	11/04/21	ADDENDUM 1



Ronald C. Emmons
11-4-21



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SAN ANTONIO WATER SYSTEM
MARKET STREET PUMP STATION
DISINFECTION SYSTEM UPGRADES
SAWS Job No. 21-6008
San Antonio, Texas

OSHG SYSTEM FACILITY SECTIONS (2 OF 2)

ADDENDUM 1

M-06

SHT 16 OF 69

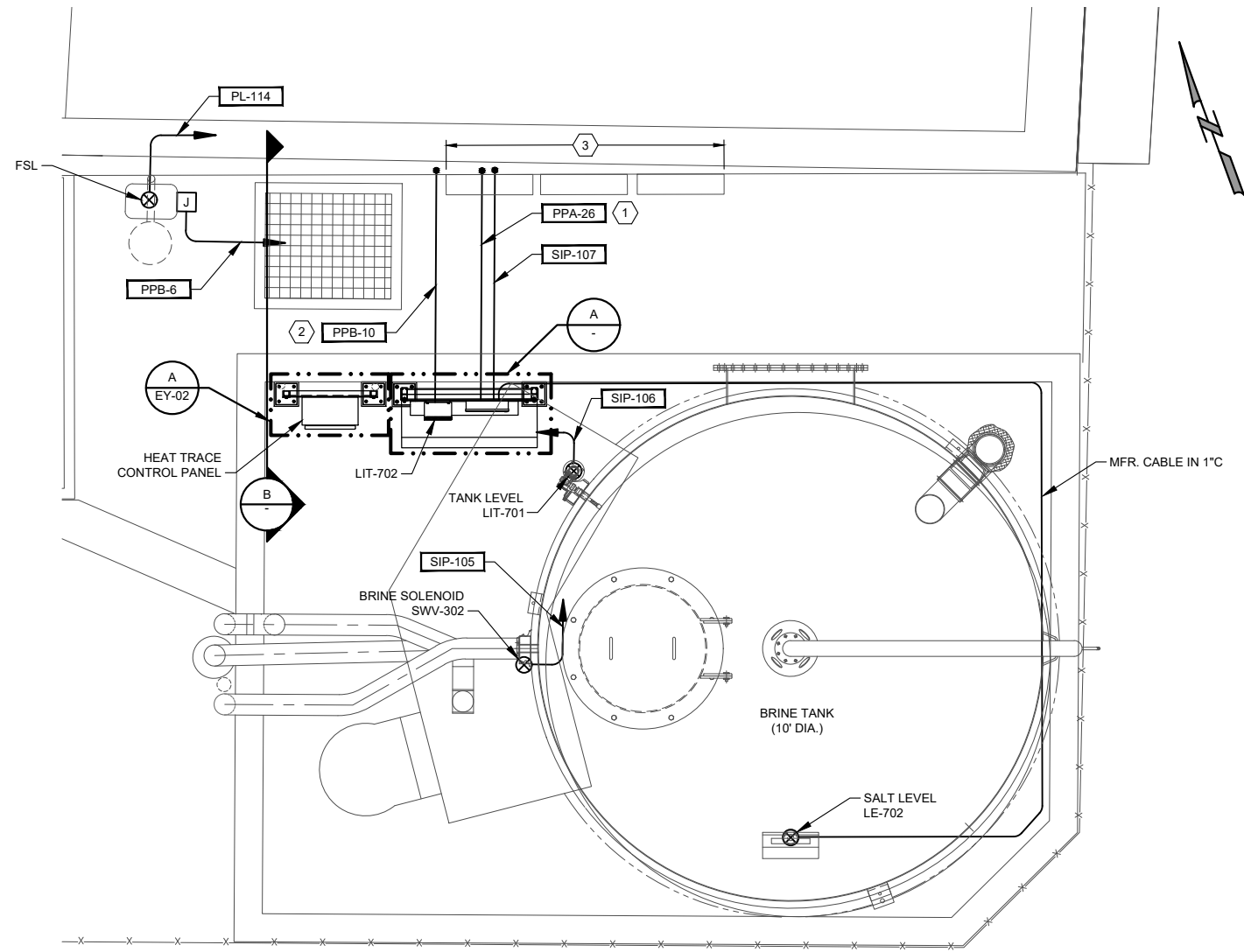
11/1/2021 W:\SAWS\1982_SAWS MARKET STREET PUMP STATION DISINFECTION\6 DRAWINGS\ELECTRICAL\WORKING\E-24.DWG

GENERAL NOTES:

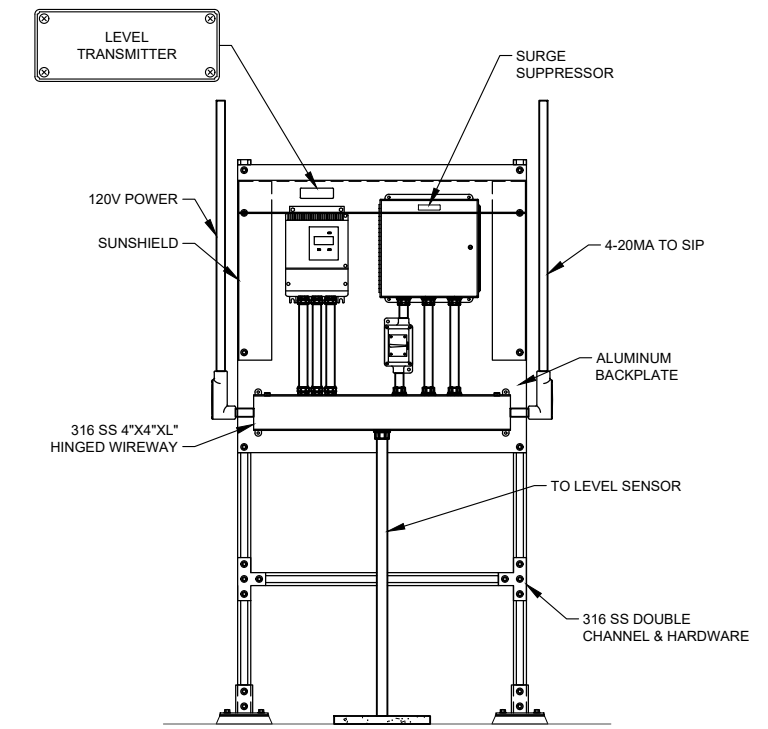
1. ANY WALL OR FLOOR PENETRATIONS WHICH ARE NOT REUSED IN THE MODIFICATIONS SHALL BE SEALED AND GROUTED AS REQUIRED.
2. ANY ABANDONED CONDUIT WHICH REMAIN SHALL BE CAPPED AND LABELED AS SPARE, INDICATING WHERE THEY ROUTE FROM AND TO.

NOTES BY SYMBOL (#):

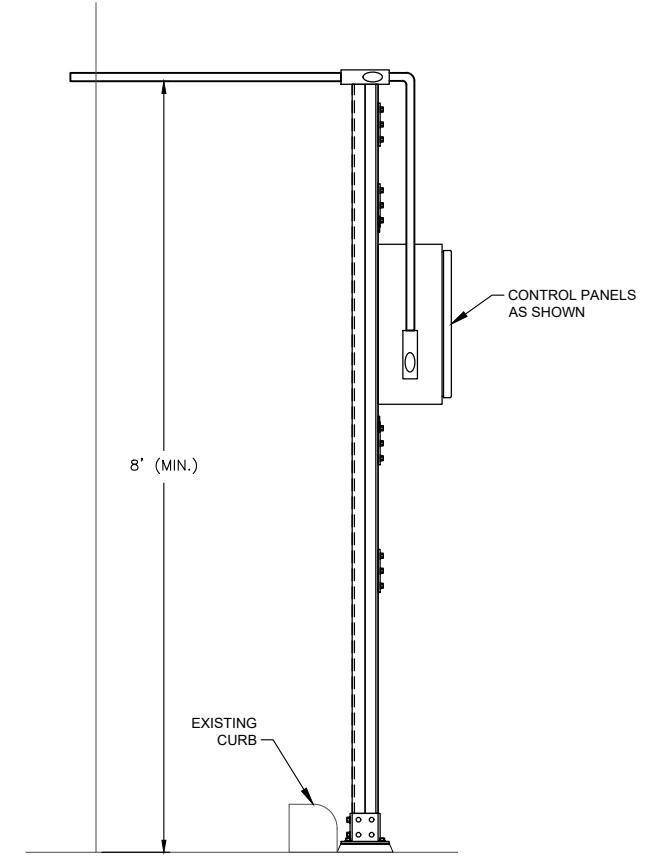
1. PROVIDE 120V CIRCUIT FROM POWER PANEL A. FIELD VERIFY CIRCUIT NUMBER TO BE USED.
2. PROVIDE 120V CIRCUIT FROM POWER PANEL B. FIELD VERIFY CIRCUIT NUMBER TO BE USED.
3. EXISTING CPS INCOMING ELECTRICAL PANELS, DISCONNECT SWITCH, AND METERING EQUIPMENT SHALL REMAIN AND BE PROTECTED DURING CONSTRUCTION.



**BRINE TANK
AREA IMPROVEMENTS
PLAN**
SCALE: 1/2" = 1'-0"
0 1' 2' 4' 6'



**BRINE TANK
LEVEL TRANSMITTER
DETAIL A**
SCALE: 1" = 1'-0"
0 6" 1' 2' 3'



**CONDUIT ROUTING
SECTION
DETAIL B**
SCALE: 1" = 1'-0"
0 6" 1' 2' 3'

Proj. No.:	1065	ADDENDUM NO.1
Designed:	DG	
Drawn:	MH	
Approved:	DG	
File:	E-24.DWG	
Revision	Date	Description

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SAWS
SAN ANTONIO WATER SYSTEM
MARKET STREET PUMP STATION
DISINFECTION SYSTEM UPGRADES
SAWS Job No. 21-6008
San Antonio, Texas

**BRINE TANK AREA
ELECTRICAL PLAN**