



**De Zavala Elevated Storage Tank Project
Solicitation Number: CO-00409-FG
Job No.: 15-6001**

**ADDENDUM 2
August 18, 2021**

To Bidder of Record:

This addendum, applicable to work referenced above, is an amendment to the bid 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 bid proposal.

RESPONSES TO QUESTIONS

1. Question: Can you please provide the Geotechnical Report?

*Response: Geotechnical Report is available under "Downloads" on the solicitation page and will require the execution of a SAWS disclaimer form by the Bidder. Bidder attention may reference SAWS website:
https://apps.saws.org/Business_Center/Contractsol/Drill.cfm?id=3986&View=Yes*

2. Question: Is the Geotechnical report going to be uploaded in the near future? We are unable to make any sort of design without a soils report

Response: Yes, see response to Question #1.

3. Question: Is the Budget/Estimate available for this project?

Response: Yes, the construction estimate is \$6,941,000.00.

4. Question: Inquiring whether this job will require any type of NDT services.

Response: Yes, refer to Technical Specifications (ref: 33 16 11-12 Item 2.08 Source Quality Control).

5. Question: Can Endress and Hauser can be approved for the following specs from DeZavala?

2.01 CHLORINE RESIDUAL ANALYZER (REAGENTLESS)

A. Subject to compliance with the Contract Documents, the following Manufacturers are acceptable:

ANALYTICAL INSTRUMENTS

- 1. Prominent Fluid Controls*
- 2. Swan Analytical Instruments AMI*
- 3. ATI Q45H-62-63*
- 4. Approved Equal*

Response: *All proposed "equal materials" must be in accordance with Article 5, Section 5.11 of the General Conditions. Specification has been modified. Refer to "Modification to Specifications" section as included herein/below.*

6. Question: DWG EST-06 Section 1 shows 30" tank inlet/outlet at the expansion joint. Other drawings and the tank spec require 24" for the inlet. Please clarify that this should be 24", and the base elbow is 24" diameter.

Response: *Tank inlet/outlet and base elbow is 24" from expansion boot heading up into tank. Design Drawing EST-06, Sheet 18 of 65 has been modified as included with this addendum. Refer to "Changes to Plans" section as included herein/below.*

7. Question: Are there any concerns on the fault line? Are these deemed inactive? Any clarification on the fault lines would be appreciated.

Response: *Bidders shall refer to Geotechnical Data Report as made available. Tank was sited to be located away from fault line.*

8. Question: Tank Spec 33 16 11-2 Item 1.03.A states that the tank shape and dimensions be in accordance with these specifications and drawings. DWG EST-03, 04, and 05 show a cone roof with a transition cone to the shell. Our standard design uses a dome roof to eliminate water ponding. Will a dome roof be acceptable?

Response: *Yes.*

9. Question: DWG EST-04 shows 104'-0" for the tank diameter, but allows the pedestal diameter to be determined by the tank manufacturer. Our standard tank diameter for this size tank is 105'. Will this tank diameter be acceptable?

Response: *Yes, as long as meets 2.5MG volume requirement.*

10. Question: Tank Spec 33 16 11-5 Item 1.05.B.5 requires a qualified supervisor directly employed by the contractor be on site at all times during construction of the foundation, support structure, and steel tank. For foundation construction, will a representative of our vetted subcontractor be an acceptable

Response: *No, on-site superintendent representatives shall be employed by the prime Bidder and shall remain onsite during any construction activities performed by subcontractors.*

11. Question: Tank Spec 33 16 11-10 Item 2.06.J.1 requires a 36"x42" vent opening at the top of the support wall. Our standard louvered vent at the top of the wall is 24"x36" and is detailed to be accessible from the ladder platform/walkway, and provide safe access to the exterior painters rail. If more ventilation area is required, will two 24"x36" standard louvered vents be acceptable?

Response: *Yes, Technical Specification 33 16 11-10 Item 2.06.J.1 has been modified to reflect vent opening with 24"x36". Refer to "Modification to Specifications" section as included herein/below. Also refer to "Changes to Plans" (Design Drawing EST-03, Sheet 15 of 65) section as included with this addendum.*

12. Question: DWG EST-01 shows the personnel door in close proximity to the roll-up door. In order to adequately reinforce the openings in the support wall, we require 13 ft clearance between the doors. Can we move the personnel door clockwise of the overhead door?
- Response: *Yes, final location shall be coordinated and approved by SAWS/Engineer in advance.*
13. Question: DWG EST-05 shows an intermediate landing for the ladder with an offset in the ladder sections. Tank Spec 33 16 16-9 Item 2.06.E.2 allows for 50 ft between rest platforms. Our upper landing will be 54 ft above the floor slab. Can we provide a straight ladder with no offset, with the intermediate landing as shown?
- Response: *Rest platform shall not exceed the 50' and be located as shown at intermediate point. Ladder details shall be in accordance with SAWS Standard DD903-14-2.*
14. Question: Can you please advise the heights of the powerlines above the proposed site entrances? Also what the voltage of these are? It looks like there is an electrical substation next door.
- Response: *Bidder shall assess site conditions as required to prepare their Bid; however, the following is being provided for informational purpose only: CPS substation adjacent to site; height of primary approx. 42' at pole; height of neutral approx. 22' at pole; voltage is 34.5 KV. Bidder shall confirm as required/needed in order to properly prepare their bid.*
15. Question: It is unclear if this project is considered to be SAWS Property with respect to Security Procedures. Does Exhibit C Security Procedures apply to this contract? Contractor Security Procedures Exhibit C.
- Response: *Security Procedures are to be followed by all contractors/subcontractors as stated in Exhibit C.*
16. Question: Is there any material purchase restrictions, Buy American, American Iron & Steel etc?
- Response: *This Project does not include any Buy American requirements. Bidder shall refer to Contract front-end documents for all bid requirements.*
17. Question: There are discrepancies in the outlet pipe size and material. Dwg EST-05 show (PZ 1170) as 24"Ø CS with some type of coating. Spec section 33 06 05 par 2.01 C states (PZ 1170) as 30"Ø and 2.01 c 1 states 316 SS. Please clarify what is required for this pipe. Dwg EST-05, 33 06 05 par 2.01 C
- Response: *PZ1170 Outlet shall be 24" diameter, 316 stainless steel pipe material for all above-grade piping within tank pedestal connected to a stainless steel expansion joint located approximately 18" above the tank slab. Remainder of PZ1170 Outlet (transition from expansion joint and below grade portion) shall be 24" diameter carbon steel in accordance with SAWS Standard Specifications. Refer to "Modification to Specifications" section 33 06 05-1 Item 2.01.C as included herein/below. Also refer to "Changes to Plans" (Design Drawing EST-05, Sheet 17 of 65) section as included with this addendum.*
18. Question: There is a discrepancy in the number of vents at the top of the tower. The spec states a vent (I take this to mean 1). Dwg EST -05 states to provide 3 vents. Dwg EST-06 Misc Note 4 states A Removable Alum Louver. Please Clarify. 33 16 11 pg 10 par 2.06 J 1, dwgs EST-05, EST-06
- Response: *See response to Question #11. Clarification: a 24" x 36" removable aluminum louver vent shall be provided. Bidder's shall further refer to Specification 33 16 11-12 for support structure ventilation code compliance.*

19. Question: There is a discrepancy as to the inlet, outlet, overflow and drain pipe material. The specs state SS and the dwg states steel. Please clarify if it is SS or CS. 33 06 05 par 2.01, 33 16 11 pg 10 par 2.06 L, dwgs EST-04,EST-05, EST-06 Mechanical note 1

Response: *All above grade pipe material for the inlet, outlet, overflow and drain pipe materials shall be stainless steel extending up pedestal to tank from expansion joint/boot. Materials below expansion joint shall be carbon steel as specified. See SAWS Standard Detail DD-903-08 for reference and revised Design Drawings (C-04R, EST-05R & EST-06R). Refer to "Changes to Plans" (Design Drawing EST-04, EST-05 & EST-06) section as included with this addendum.*

20. Question: Please clarify what ladders are SS and what ladders are CS. The spec is silent on this so I assume them to be CS but EST-06 Misc. Note 1 states the inside ladder to be SS. 33 16 11 pg 8-9, par 2.06B, dwg EST-06 Misc Note 1

Response: *Ladders shall be carbon steel coated as specified and in accordance with SAWS Standard Ladder Details DD903-14-1.*

21. Question: If the inside ladder is SS is it 304 or 316?

Response: *See response to Question 20.*

22. Question: EST-06 states that the hatches are to be SAWS Standard. Where can this information be found if it is different than what is in the spec? dwg EST-06 Misc Note 3

Response: *Refer to SAWS Standard Elevated Tank Hatch Details (DD903-12) which can be found on SAWS website:
https://apps.saws.org/business_center/specs/design/ElevatedTankDrawings/.*

23. Question: What kind of coating is needed for the Carbon steel piping inside the tank? Is this to be Cement lined piping?

Response: *All above grade carbon steel piping shall be epoxy coated and lined in accordance with AWWA C210 requirements. Remainder of below grade steel and ductile iron pipelines shall be in accordance with SAWS Design Standards as referenced in the contract documents.*

24. Question: Is this project subject to any Buy American provisions?

Response: *No*

25. Question: Will work on Saturday be allowed at this location?

Response: *No work shall occur on Saturdays without specific, written permission of the Owner's representative forty-eight (48) hours in advance of intent to perform Work. Please see page 37 of the GC's, section 5.18 and page 47 of the GC's, section 8.3.*

26. Question: Will work on Sunday be allowed at this location?

Response: *No. see response to Question #25.*

27. Question: Please confirm per the Bid Packet Checklist, the Conflict of Interest Questionnaire (CIQ Form) is to be submitted upon request by SAWS from the apparent low bidder and not due with the bid.

Response: *Yes, the Conflict of Interest Questionnaire is to be submitted by the Apparent Low Bidder.*

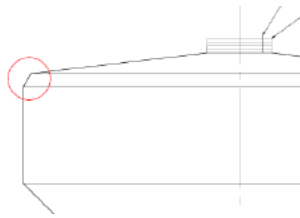
28. Question: The Pre-Bid Meeting Presentation (pages 14 & 23) state the Baseline Schedule is to be submitted with the bid, the Checklist states this is to be submitted by the low bidder within one day. Please clarify that the Baseline Schedule is to be submitted post-bid.

Response: *The Baseline Schedule shall be submitted per the checklist (post-bid).*

29. Question: Please confirm per the Bid Packet Checklist the Proof of Insurability (Letter from Insurer or sample Certificate of Insurance) is to be submitted upon request by SAWS from the apparent low bidder and not due with the bid.

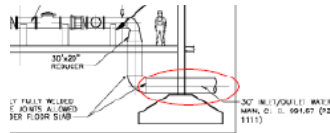
Response: *Yes, the Proof of Insurability is to be submitted by the Apparent Low Bidder.*

30. Question: Sheet 15 shows an “upper return” at the intersection of the tank side wall and the tank roof, however It is not described or dimensioned on the drawings or in Section 33 16 11. Is an upper return required? If required, we suggest the industry standard dimension of 1’-6” H / 2’-6” V.



Response: *Yes, and industry standard return dimension of 1’-6” H / 2’-6” V is acceptable.*

31. Question: Sheet 16 shows the incoming waterline passing over the foundation. Limestone is very close to the surfaces and with following the recommendations of the soils report our design will incorporate the incoming below the foundation. Please confirm this is acceptable and we are not required to place the foundation deeper than required by our design (which would add significant costs) to allow the waterline to pass over the foundation.



Response: *Tank foundation is to be designed by Bidder as specified. Pipeline shall be installed above the foundation to avoid potential impact to tank foundation if potential leak condition occurs.*

32. Question: Please confirm the CL Elevation of the incoming waterline. Sheet 16 shows 991.67, Sheet 17 shows 989.00.

Response: *CL Elevation of 989.00 shall be used for the inlet/outlet water main. Refer to “Changes to Plans” section (EST-04, Sheet 17 of 65) as included in this addendum.*

33. Question: Spec Section 09 97 13.24, Item 2.01 – Please provide an interior coatings system to be applied to the dry side of the access tube.

Response: *Comply with interior tank coating system as specified in 09 97 13.*

34. Question: Spec section 09 97 13.24, Item 2.02 describes a containment system. Typically, coatings work is completed in two phases, ground and air limiting the amount of paint and fugitive dust drift. Please confirm containment requirements are at the discretion of the contractor.
- Response: *Contractor shall ensure containment of the coating operation is limited to the site. Contractor discretion is acceptable and means and methods are Contractor responsibility for ensuring accordance with this requirement.*
35. Question: Section 33 16 11 Item 2.06.L.1 specifies Schedule 10S 316 stainless steel piping within the support structure. However, the drawings only show the vertical risers as stainless steel with the horizontal chamber mechanical piping as carbon steel. Industry standard is to have all the piping within the support structure as stainless steel or ductile iron. Please confirm the chamber mechanical piping can be either stainless steel, ductile iron, or carbon steel.
- Response: *Risers shall be stainless steel and horizontal chamber piping shall be carbon steel in accordance with SAWS Standards.*
36. Question: Comment: Sheet 17 shows a stainless-steel piping as the floor penetration piece with carbon steel as the vertical riser piping, the labelling is the other way around with the floor penetration piece being carbon steel and the vertical risers being stainless steel.
- Response: *See previous response to Question #17 clarifying pipeline materials.*
37. Question: Section 33 16 11 Item 2.06.L.1 specifies the piping below the grade slab as flanged cement lined steel (ductile iron). However, the drawings show fully welded carbon steel piping. Industry standard is typically ductile iron. Please confirm the piping below the grade slab can be either ductile iron or carbon steel.
- Response: *Below grade piping shall transition from carbon steel to ductile iron as shown the modified design drawings. Refer to "Changes to Plans" section as included with this addendum.*
38. Question: Sheet 17 shows the access tube extending below the tank floor down to the upper platform. This is another manufacturers standard and is used to support the upper platform. Our standard construction detail does not permit the access tube to be taken past the tank floor and we do not require the access tube to support our upper platform. Either tank manufacturers standard will provide continuous ladder access from the upper platform to the tank roof. Please confirm that individual manufacturers standard details will be acceptable.
- Response: *The access tube shall be extended to the upper platform as shown and in accordance with SAWS Standard Detail DD903-15.*
39. Question: Section 13 16 11, Item 2.06.H specifies a drip pan located under the access tube (typically attached to the underside the walkway) to collect any condensate dripping from the access tube. This detail has been improved and is no longer done; we suggest paragraph 2 be replaced with the following which is current industry standard. The access tube shall incorporate a 2" x 2" channel to collect condensation that may form on the interior surface of the access tube. A flexible 3/2" PVC hose complete with backflow preventer shall drain the channel to the overflow pipe.
- Response: *Bid as currently specified. No change to Specification.*
40. Question: Please confirm we can ignore the 44'6" head range shown on the Interior Placard Detail on Sheet 19 as the drawings and specifications describe a 45 ft max operating range.
- Response: *Yes, 45' is the specified maximum operating range as detailed in Specification 33 16 11. Refer to "Changes to Plans" (Design Drawing EST-07, Sheet 19 of 65) section as included with this addendum.*

41. Question: Sheet 19 Roof Plan shows a 33 ft diameter roof handrail, Section 33 16 11 Item 2.06.I specifies an 18 ft diameter roof handrail. Please clarify.
- Response: *Bidders shall refer to SAWS Standard Detail DD903-05 and attention to revised Design Drawing EST-07R, Sheet 19R of 65. Refer to "Modification to Specifications" section 33 16 11-11 Item 2.06.I as included herein/below. Also refer to "Changes to Plans" (Design Drawing EST-07, Sheet 19 of 65) section as included with this addendum.*
42. Question: Sheet 19 Floor Slab Details show the slab on grade thickened to 8" at the perimeter pedestal wall and at construction joints, Section 33 16 11 Item 2.06.N describe a straight 6" thick floor slab. Please clarify.
- Response: *Contractor shall follow Floor Details as specified on Sheet EST-07.*
43. Question: Drawing 17 shows the pedestal interior ladder as being offset at the intermediate landings, Section 33 16 11 Item 2.06.B describe a straight run ladder system. Please clarify.
- Response: *Ladder shall be offset in accordance with SAWS Standard Ladder Detail DD903-14 per prior response to Question #20.*
44. Question: Section 13 47 13 – Is Cathodic protection required for the 30" waterline? If so, can a specification be provided as the impressed current system within Section 13 47 13 is only applicable to the elevated tank.
- Response: *No, a cathodic protection system will not be required since the 30" inlet/outlet pipeline has been modified via this addendum to ductile iron pipe material in accordance with SAWS Construction Specifications.*
45. Question: Section 09 97 13.24 Item 3.02.D instructs to "grind weld seams to a smooth contour". We suggest the following clarification – which is industry standard. Grinding of weld contour shall approximate Condition D of NACE Standard SP0178.
- Response: *Additional specification requirements for grinding of weld seams has been included as referenced in "Modification to Specifications" section included herein/below.*
46. Question: Says Permits are to be paid for by the Contractor. Please confirm any permits required for this project will be paid for under the \$ 50,000 Permit Cash Allowance.
- Response: *Yes, this allowance is intended to cover payment for permits as required for the project. Specifically, City of San Antonio (CoSA) building and ROW permits will be required and to be procured by Contractor using this allowance.*
47. Question: Please confirm we follow Section 33 16 11, AWWA D107 and industry standards for the composite tank support wall relating to mixes, curing, form removal times, etc. in lieu of Section 03 30 00 as Division 3 relates more to concrete operations such as concrete paving and sidewalks, etc.
- Response: *Correct, Specification Section 33 16 11 and AWWA D107 govern the composite tank requirements. Division 3 is relevant to site concrete and ancillary improvements as shown in the Design Drawings.*
48. Question: Note 7 on sheet G-03 indicates there will be a 30" watermain project occurring at the same time as this project. Is there a schedule available for that project?
- Response: *SAWS' Lockhill-Selma Pressure Zone 1111 30-inch Water Main Project (Solicitation # CO-00439-FG) is also currently bidding with a calendar duration of 300 calendar days.*

49. Question: Please clarify, is the floor piping below the expansion joint but above the floor SS or CS coated per SAWS Std for Const No 816.

Response: See prior responses to Questions #17 and #19 clarifying pipe materials.

MODIFICATION TO SPECIFICATIONS

1. Due to updates in the General Wage Decisions for Building Construction Type, remove the wage decision documents from the solicitation in their entirety and replace with the revised version attached (rev. 7/09/2021 for General Decision Number TX 20210231).
2. Amend Technical Specification 40 75 00-2 & 3; Item 2.01.A: DELETE paragraph 2.01.A in its entirety and REPLACE with the following:
 - “A. Subject to compliance with the Contract Documents, the following Manufacturers are acceptable:
 1. Hach
 2. Approved Equal”
3. Amend Technical Specification 33 16 11-10 Item 2.06.J.1: REPLACE reference to 36”X42” vent opening with 24”x36”.
4. Amend Technical Specification 33 06 05-1 Item 2.01.C: REPLACE reference to “...30-inch Outlet Line (PZ 1170)...” WITH “...24-inch Outlet Line (PZ 1170)...”
5. Amend Technical Specification 33 06 05-1 Item 2.01.A: ADD the following after 2.01.A.1:
 - “2. Ductile Iron, Contractor shall refer to SAWS Standard Specifications for Construction Item No. 814.”
6. Amend Technical Specification 33 16 11-11 Item 2.06.I; second sentence: REPLACE reference to “...minimum of 18 ft. in diameter ...” WITH “...minimum of 14 ft. in diameter...”
7. Amend Technical Specification 09 97 13.24-5 Item 3.02.D; after the last sentence of the paragraph: ADD “Grinding of weld contours shall be performed to an approximate condition grade “D” in accordance with NACE Standard SP0178. Weld testing shall be performed in accordance with AWWA D107 requirements as specified in 33 16 11-12 Item 2.08 Source Quality Control ”

CHANGES TO PLANS

1. Remove and replace Design Drawing EST-06, Sheet 18 of 65 in its entirety.
2. Remove and replace Design Drawing EST-03, Sheet 15 of 65 in its entirety.
3. Remove and replace Design Drawing EST-05, Sheet 17 of 65 in its entirety.
4. Remove and replace Design Drawing C-04, Sheet 9 of 65 in its entirety.
5. Remove and replace Design Drawing EST-04, Sheet 16 of 65 in its entirety.
6. Remove and replace Design Drawing EST-07, Sheet 19 of 65 in its entirety.

END OF ADDENDUM 2

This Addendum is twenty-two (22) pages in its entirety with its attachments.

Attachments:

1. General Wage Decision Number TX20210231 (rev. 7/09/2021) (8 pages)
2. Design Drawing C-04R, Sheet 9R of 65 (1 page)
3. Design Drawing EST-03R, Sheet 15R of 65 (1 page)
4. Design Drawing EST-04R, Sheet 16R of 65 (1 page)
5. Design Drawing EST-05R, Sheet 17R of 65 (1 page)
6. Design Drawing EST-06R, Sheet 18R of 65 (1 page)
7. Design Drawing EST-07R, Sheet 19R of 65 (1 page)



Brian J. Klaes
08.18.2021
8 of 8
Form Reg # F-000554

"General Decision Number: TX20210231 07/09/2021

Superseded General Decision Number: TX20200231

State: Texas

Construction Type: Building

County: Bexar County in Texas.

BUILDING CONSTRUCTION PROJECTS (does not include single family homes or apartments up to and including 4 stories).

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.95 for calendar year 2021 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.95 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2021. If this contract is covered by the EO and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must pay workers in that classification at least the wage rate determined through the conformance process set forth in 29 CFR 5.5(a)(1)(ii) (or the EO minimum wage rate, if it is higher than the conformed wage rate). The EO minimum wage rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60). Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/01/2021
1	03/12/2021
2	05/07/2021
3	07/09/2021

ASBE0087-014 03/02/2020

Rates Fringes

ASBESTOS WORKER/HEAT & FROST
 INSULATOR (Duct, Pipe and
 Mechanical System Insulation)....\$ 23.97 10.79

 BOIL0074-003 01/01/2017

 Rates Fringes

BOILERMAKER.....\$ 28.00 22.35

 ELEC0060-003 07/27/2020

 Rates Fringes

ELECTRICIAN (Communication
 Technician Only).....\$ 29.60 15%+5.45

 ELEC0060-004 07/27/2020

 Rates Fringes

ELECTRICIAN (Excludes Low
 Voltage Wiring).....\$ 29.60 18%+5.45

 ELEV0081-001 01/01/2021

 Rates Fringes

ELEVATOR MECHANIC.....\$ 43.31 36.365

FOOTNOTES:

A. 6% under 5 years based on regular hourly rate for all
 hours worked. 8% over 5 years based on regular hourly rate
 for all hours worked.

B. Holidays: New Year's Day; Memorial Day; Independence Day;
 Labor Day; Thanksgiving Day; Friday after Thanksgiving Day;
 Christmas Day; and Veterans Day.

 ENGI0450-002 04/01/2014

 Rates Fringes

POWER EQUIPMENT OPERATOR
 Cranes.....\$ 34.85 9.85

 IRON0066-013 06/01/2020

	Rates	Fringes
IRONWORKER, STRUCTURAL.....	\$ 23.45	6.83

 IRON0084-011 06/01/2020

	Rates	Fringes
IRONWORKER, ORNAMENTAL.....	\$ 25.26	7.13

 PLUM0142-009 07/01/2020

	Rates	Fringes
HVAC MECHANIC (HVAC Electrical Temperature Control Installation Only).....	\$ 30.25	13.36
HVAC MECHANIC (HVAC Unit Installation Only).....	\$ 30.25	13.36
PIPEFITTER (Including HVAC Pipe Installation).....	\$ 31.90	13.76
Including HVAC Pipe Installation		
PLUMBER (Excludes HVAC Pipe Installation).....	\$ 31.90	13.76
Excludes HVAC Pipe Installation		

 SFTX0669-002 04/01/2021

	Rates	Fringes
SPRINKLER FITTER (Fire Sprinklers).....	\$ 31.68	22.50

 SHEE0067-004 04/01/2021

	Rates	Fringes
Sheet metal worker Excludes HVAC Duct Installation.....	\$ 27.58	15.76
HVAC Duct Installation Only.	\$ 27.58	15.76

 SUTX2014-006 07/21/2014

	Rates	Fringes
BRICKLAYER.....	\$ 22.15	0.00

CARPENTER (Acoustical Ceiling Installation Only).....	\$ 17.83	0.00
CARPENTER (Form Work Only).....	\$ 13.63	0.00
CARPENTER, Excludes Acoustical Ceiling Installation, Drywall Hanging, Form Work, and Metal Stud Installation.....	\$ 16.86	4.17
CAULKER.....	\$ 15.00	0.00
CEMENT MASON/CONCRETE FINISHER...	\$ 22.27	5.30
DRYWALL FINISHER/TAPER.....	\$ 13.81	0.00
DRYWALL HANGER AND METAL STUD INSTALLER.....	\$ 15.18	0.00
ELECTRICIAN (Low Voltage Wiring Only).....	\$ 20.39	3.04
IRONWORKER, REINFORCING.....	\$ 12.27	0.00
LABORER: Common or General.....	\$ 10.75	0.00
LABORER: Mason Tender - Brick...	\$ 11.88	0.00
LABORER: Mason Tender - Cement/Concrete.....	\$ 12.00	0.00
LABORER: Pipelayer.....	\$ 11.00	0.00
LABORER: Roof Tearoff.....	\$ 11.28	0.00
LABORER: Landscape and Irrigation.....	\$ 8.00	0.00
OPERATOR: Backhoe/Excavator/Trackhoe.....	\$ 15.98	0.00
OPERATOR: Bobcat/Skid Steer/Skid Loader.....	\$ 14.00	0.00
OPERATOR: Bulldozer.....	\$ 14.00	0.00
OPERATOR: Drill.....	\$ 14.50	0.00

OPERATOR: Forklift.....	\$ 12.50	0.00
OPERATOR: Grader/Blade.....	\$ 23.00	5.07
OPERATOR: Loader.....	\$ 12.79	0.00
OPERATOR: Mechanic.....	\$ 18.75	5.12
OPERATOR: Paver (Asphalt, Aggregate, and Concrete).....	\$ 16.03	0.00
OPERATOR: Roller.....	\$ 12.00	0.00
PAINTER (Brush, Roller and Spray), Excludes Drywall Finishing/Taping.....	\$ 13.07	0.00
ROOFER.....	\$ 12.00	0.00
TILE FINISHER.....	\$ 11.32	0.00
TILE SETTER.....	\$ 14.94	0.00
TRUCK DRIVER: Dump Truck.....	\$ 12.39	1.18
TRUCK DRIVER: Flatbed Truck.....	\$ 19.65	8.57
TRUCK DRIVER: Semi-Trailer Truck.....	\$ 12.50	0.00
TRUCK DRIVER: Water Truck.....	\$ 12.00	4.11

WELDERS - Receive rate prescribed for craft performing
operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave
for Federal Contractors applies to all contracts subject to the
Davis-Bacon Act for which the contract is awarded (and any
solicitation was issued) on or after January 1, 2017. If this
contract is covered by the EO, the contractor must provide
employees with 1 hour of paid sick leave for every 30 hours
they work, up to 56 hours of paid sick leave each year.
Employees must be permitted to use paid sick leave for their
own illness, injury or other health-related needs, including
preventive care; to assist a family member (or person who is
like family to the employee) who is ill, injured, or has other

health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and

the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests

for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

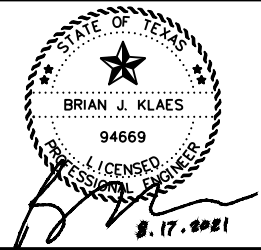
3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

=====

END OF GENERAL DECISION"



JOB NO. 15-6001

NO.	DATE	REVISION	BY
△	8/17/21	ADDENDUM NO. 2	BK

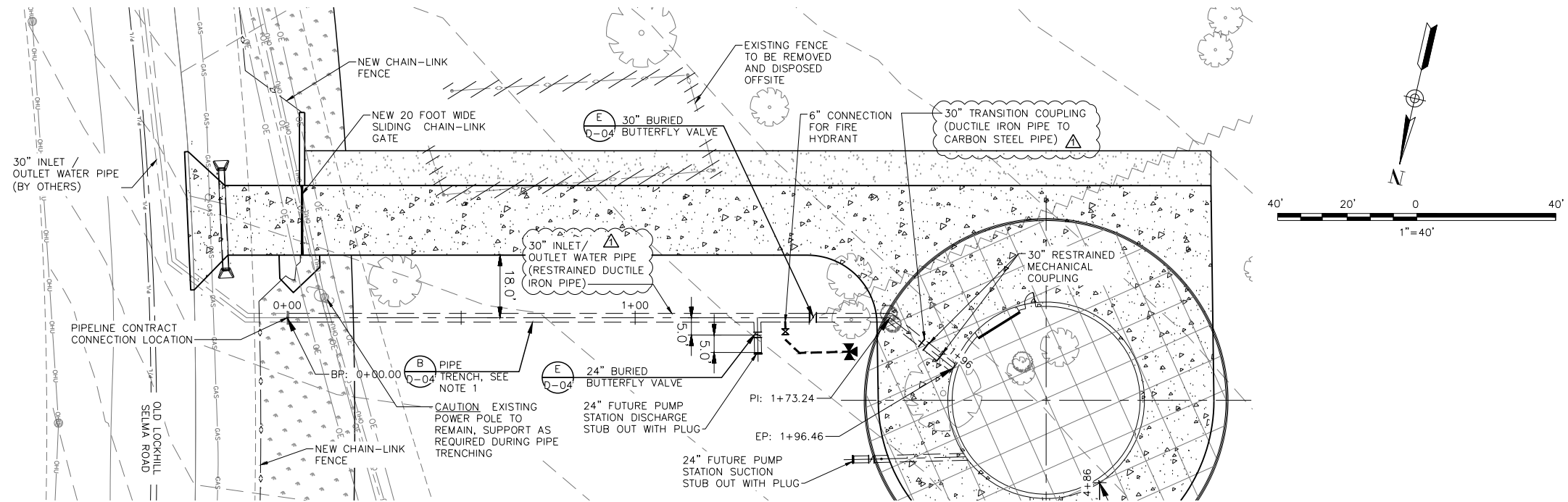
COPYRIGHT: Moreno Cardenas, Inc.
 DATE: JULY 2021
 PROJECT NO.: MCI 20-103
 DESIGNED BY: AWL
 DRAWN BY: AWL
 CHECKED BY: _____

DE ZAVALA ELEVATED STORAGE TANK

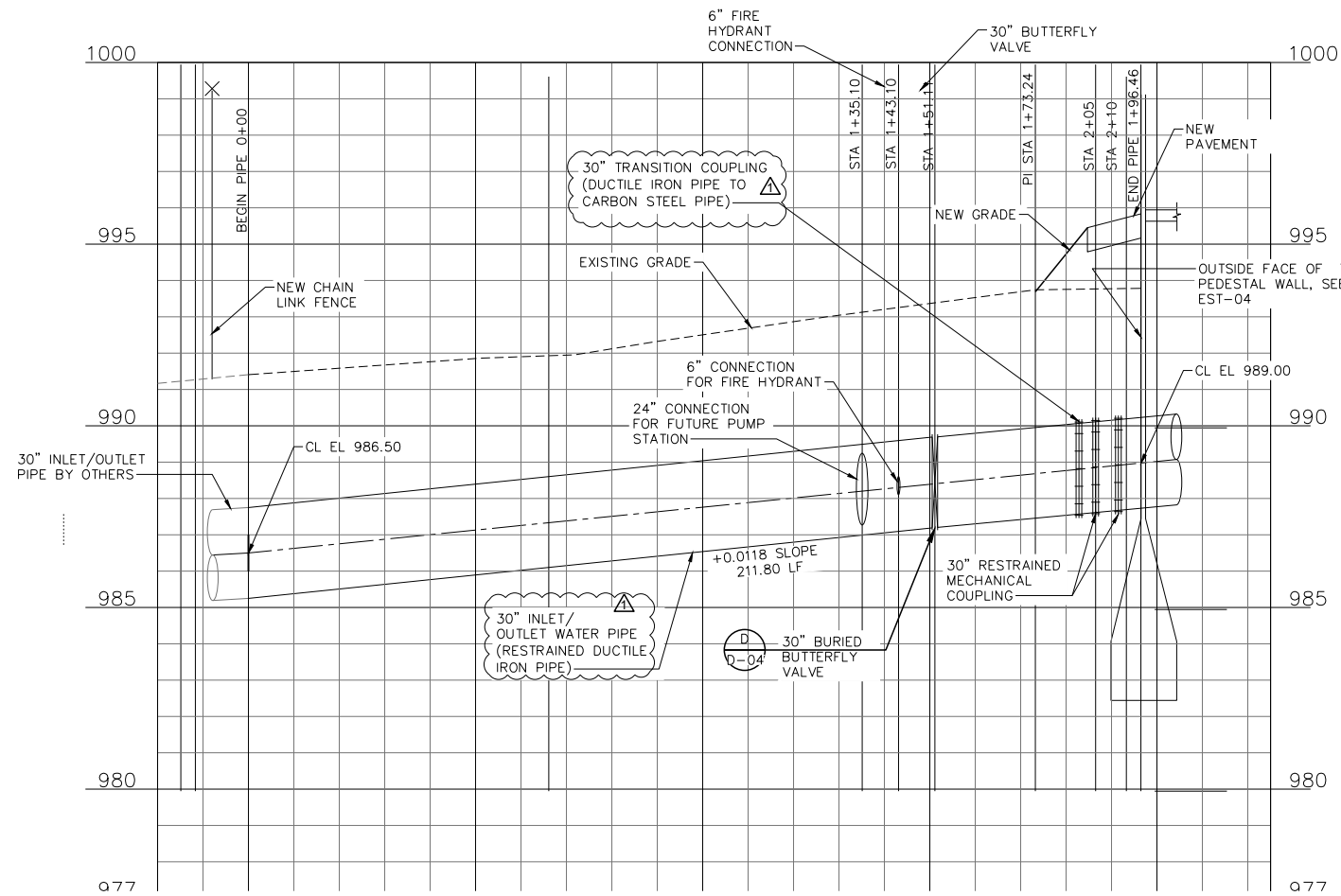
30" INLET/OUTLET WATER PIPE
PLAN AND PROFILE

SCALE: AS SHOWN

REF. NO. C-04R △
SHEET 9R OF 65

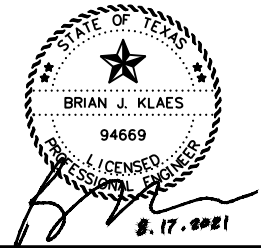


PROPOSED 30" INLET/OUTLET WATER PIPE – PLAN



PROPOSED 30" INLET/OUTLET WATER PROFILE

NOTES:
1. REFER TO PIPE TRENCHING AND BEDDING DETAILS ON SHEET D-01.



JOB NO. 15-6001

NO.	DATE	REVISION	BY
△	8/17/21	ADDENDUM NO. 2	BK

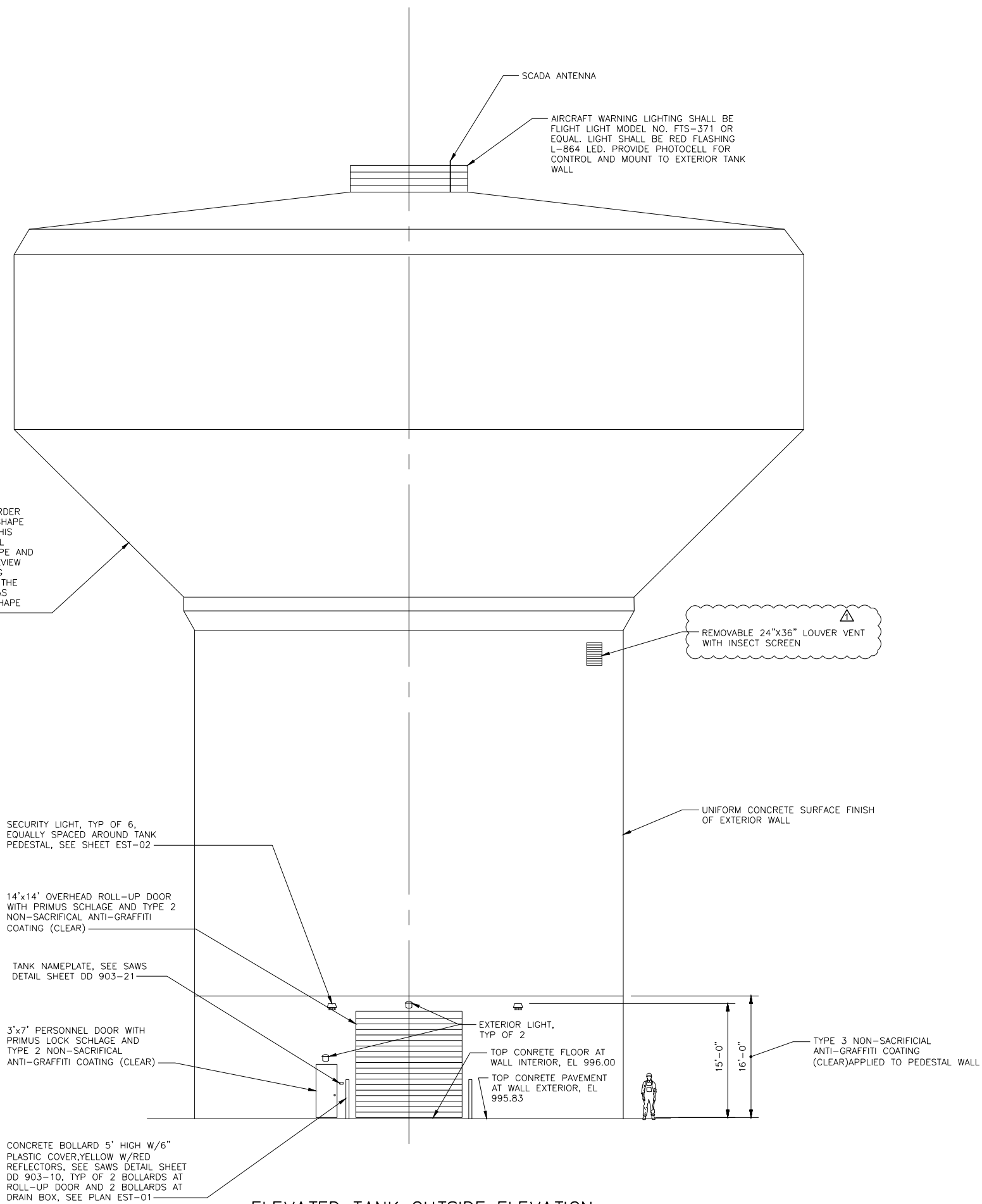
COPYRIGHT: Moreno Cardenas, Inc.
DATE: JULY 2021
PROJECT NO.: MCI 20-103
DESIGNED BY: AWL, BCS
DRAWN BY: AWL
CHECKED BY: _____

DE ZAVALA ELEVATED STORAGE TANK

TANK ELEVATION

SCALE: AS SHOWN

REF. NO. EST-03R △
SHEET 15R OF 65



BOTTOM CONE SHALL BE DIRECTLY PROPORTIONAL TO THE SHELL IN ORDER TO CONFORM TO THE TANK BOWL SHAPE AS SHOWN IN THE ELEVATION ON THIS SHEET. TANK MANUFACTURER SHALL SUBMIT PROPOSED TANK BOWL SHAPE AND ALL DIMENSIONS TO OWNER FOR REVIEW AND APPROVAL PRIOR TO BEGINNING MANUFACTURE. OWNER SHALL HAVE THE RIGHT TO REQUEST MODIFICATIONS AS REQUIRED TO ACHIEVE THE BOWL SHAPE AS SHOWN IN THE ELEVATION

SECURITY LIGHT, TYP OF 6, EQUALLY SPACED AROUND TANK PEDESTAL, SEE SHEET EST-02

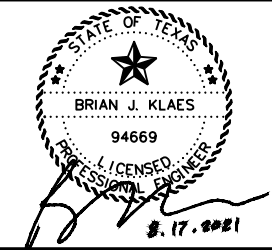
14'x14' OVERHEAD ROLL-UP DOOR WITH PRIMUS SCHLAGE AND TYPE 2 NON-SACRIFICIAL ANTI-GRAFFITI COATING (CLEAR)

TANK NAMEPLATE, SEE SAWS DETAIL SHEET DD 903-21

3'x7' PERSONNEL DOOR WITH PRIMUS LOCK SCHLAGE AND TYPE 2 NON-SACRIFICIAL ANTI-GRAFFITI COATING (CLEAR)

CONCRETE BOLLARD 5' HIGH W/6" PLASTIC COVER, YELLOW W/RED REFLECTORS, SEE SAWS DETAIL SHEET DD 903-10, TYP OF 2 BOLLARDS AT ROLL-UP DOOR AND 2 BOLLARDS AT DRAIN BOX, SEE PLAN EST-01

ELEVATED TANK OUTSIDE ELEVATION
SCALE: 1/16" = 1'-0"



JOB NO. 15-6001

NO.	DATE	REVISION	BY
▲	8/17/21	ADDENDUM NO. 2	BK

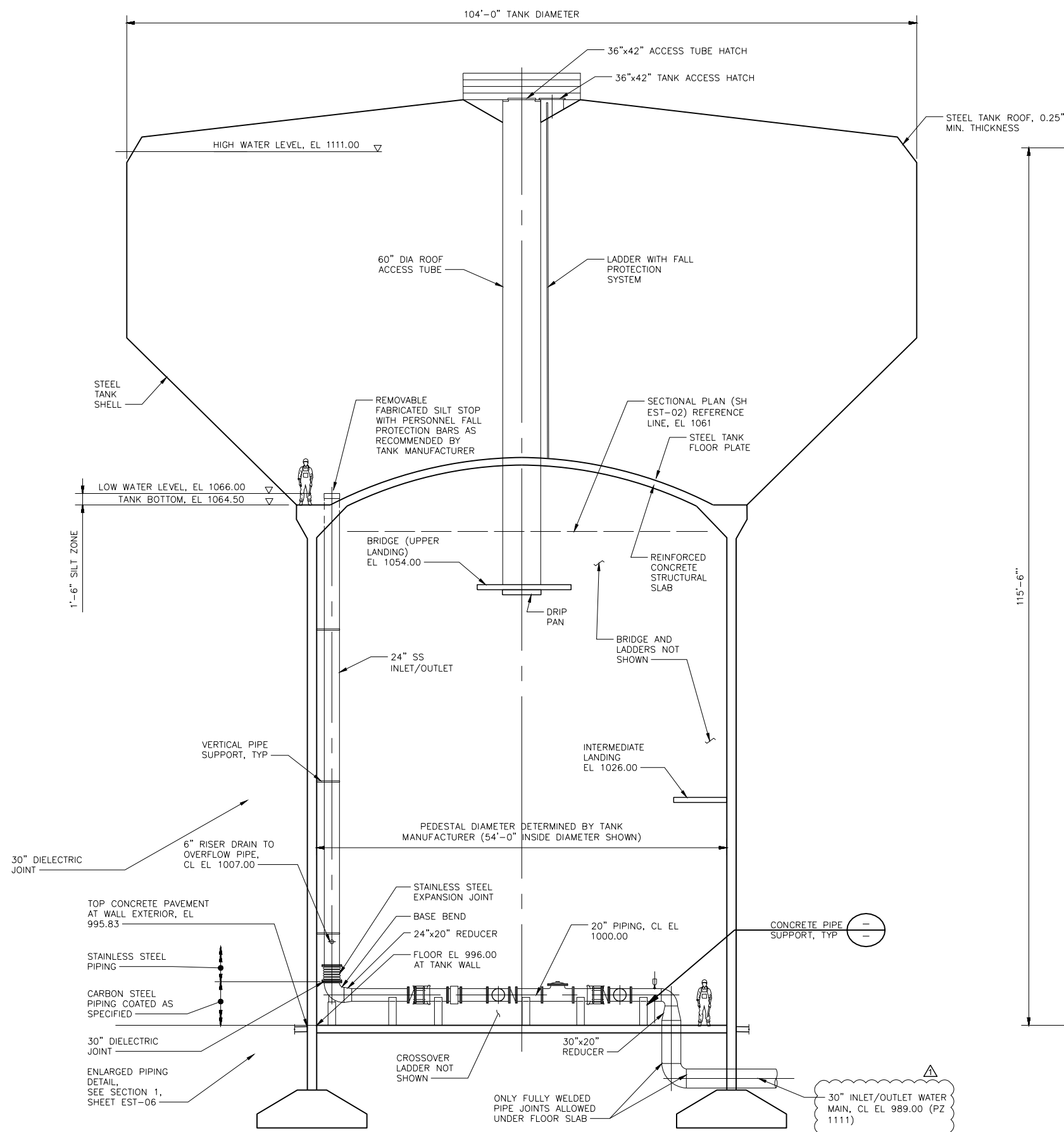
COPYRIGHT: Moreno Cardenas, Inc.
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 DESIGNED BY: AWL, BCS
 DRAWN BY: AWL
 CHECKED BY: _____

DE ZAVALA ELEVATED STORAGE TANK

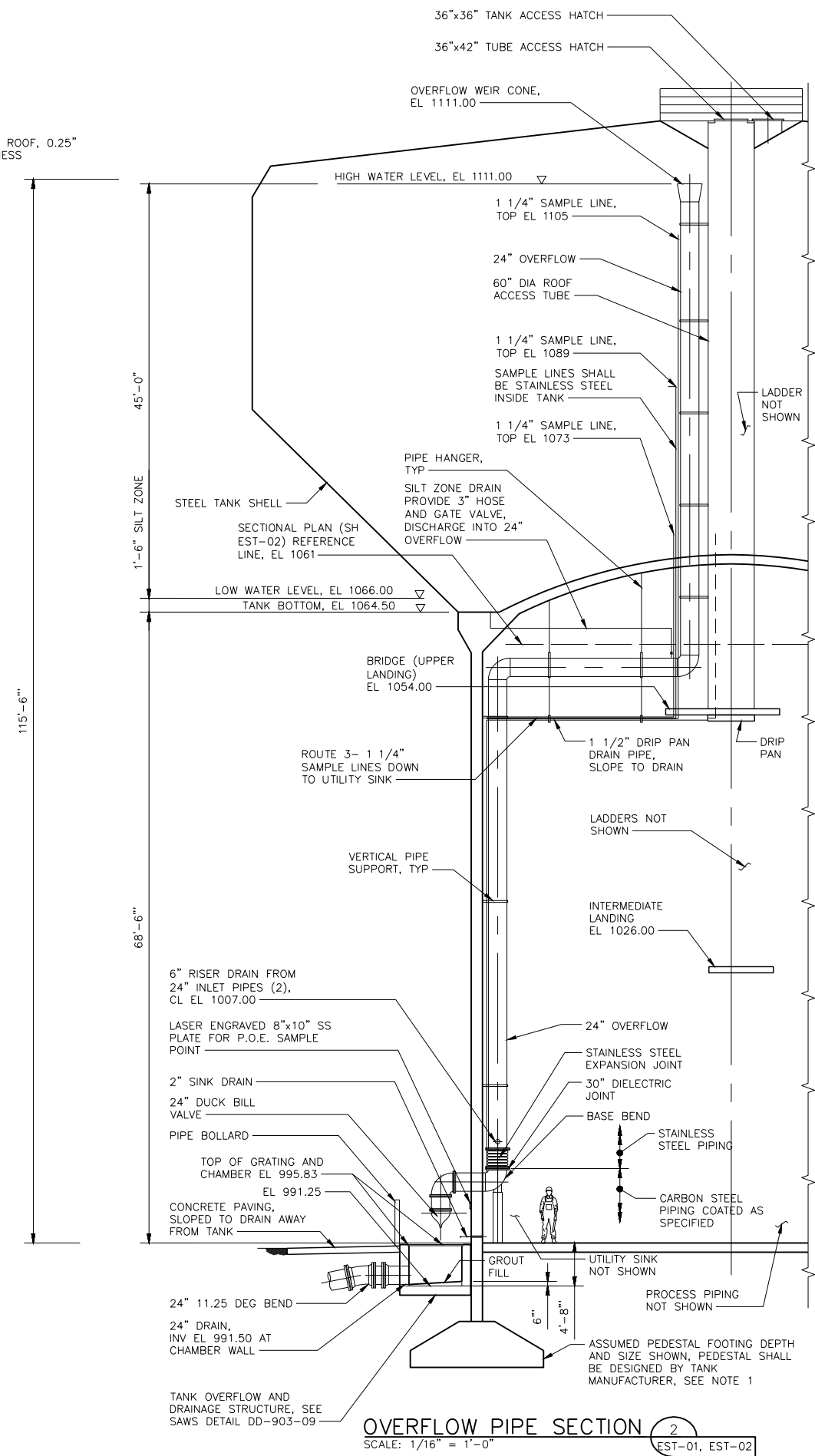
TANK SECTIONS
 SHEET 1 OF 2

SCALE: AS SHOWN

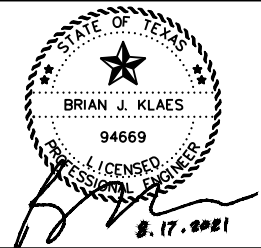
REF. NO. EST-04R ▲
 SHEET 16R OF 65



ELEVATED TANK SECTION 1
 SCALE: 1/16" = 1'-0"
 EST-01, EST-02



OVERFLOW PIPE SECTION 2
 SCALE: 1/16" = 1'-0"
 EST-01, EST-02



JOB NO. 15-6001

NO.	DATE	REVISION	BY
△	8/17/21	ADDENDUM NO. 2	BK

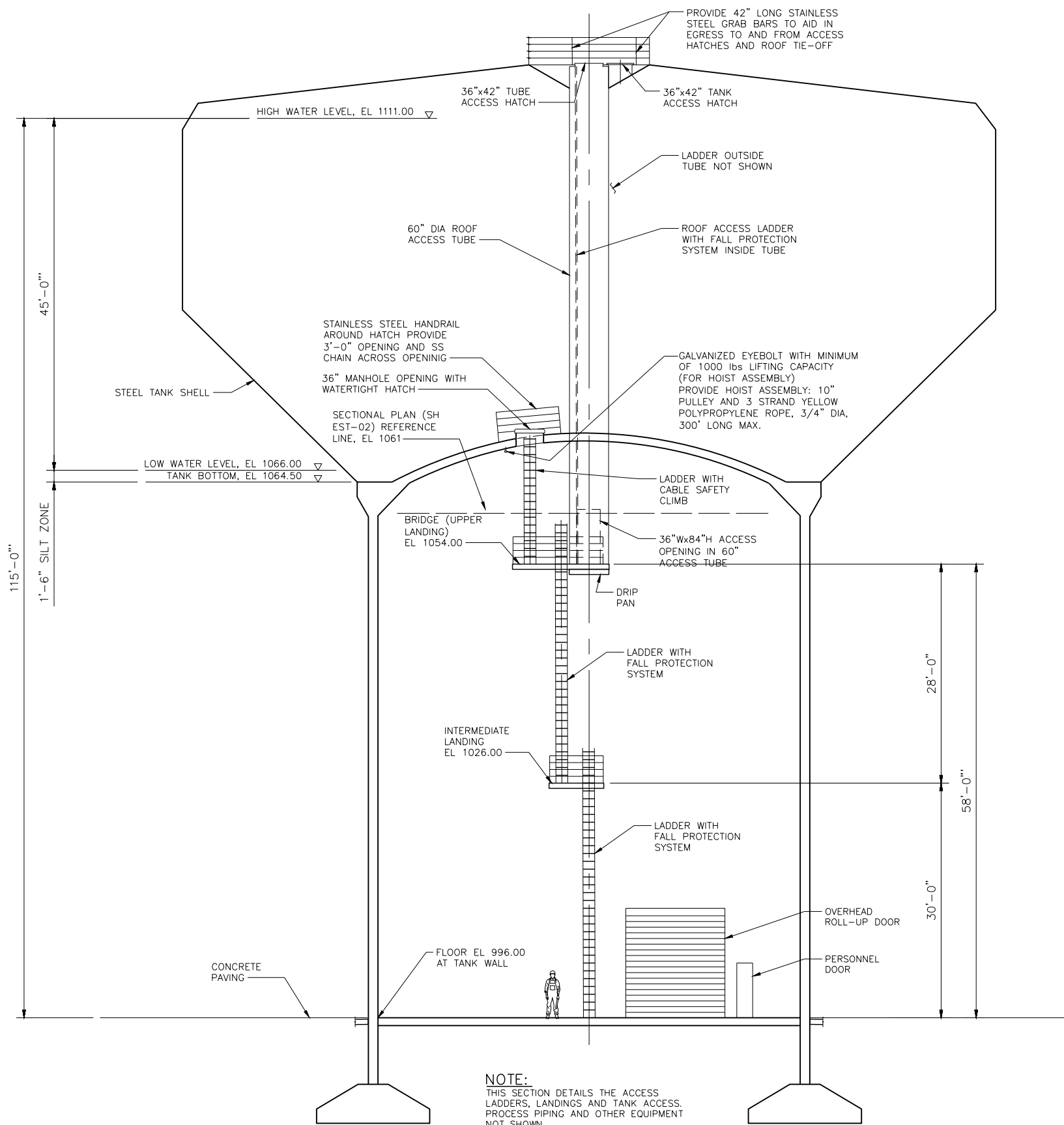
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DESIGNED BY: AWL, BCS
DRAWN BY: AWL
CHECKED BY: _____

DE ZAVALA ELEVATED STORAGE TANK

TANK SECTIONS SHEET 2 OF 2

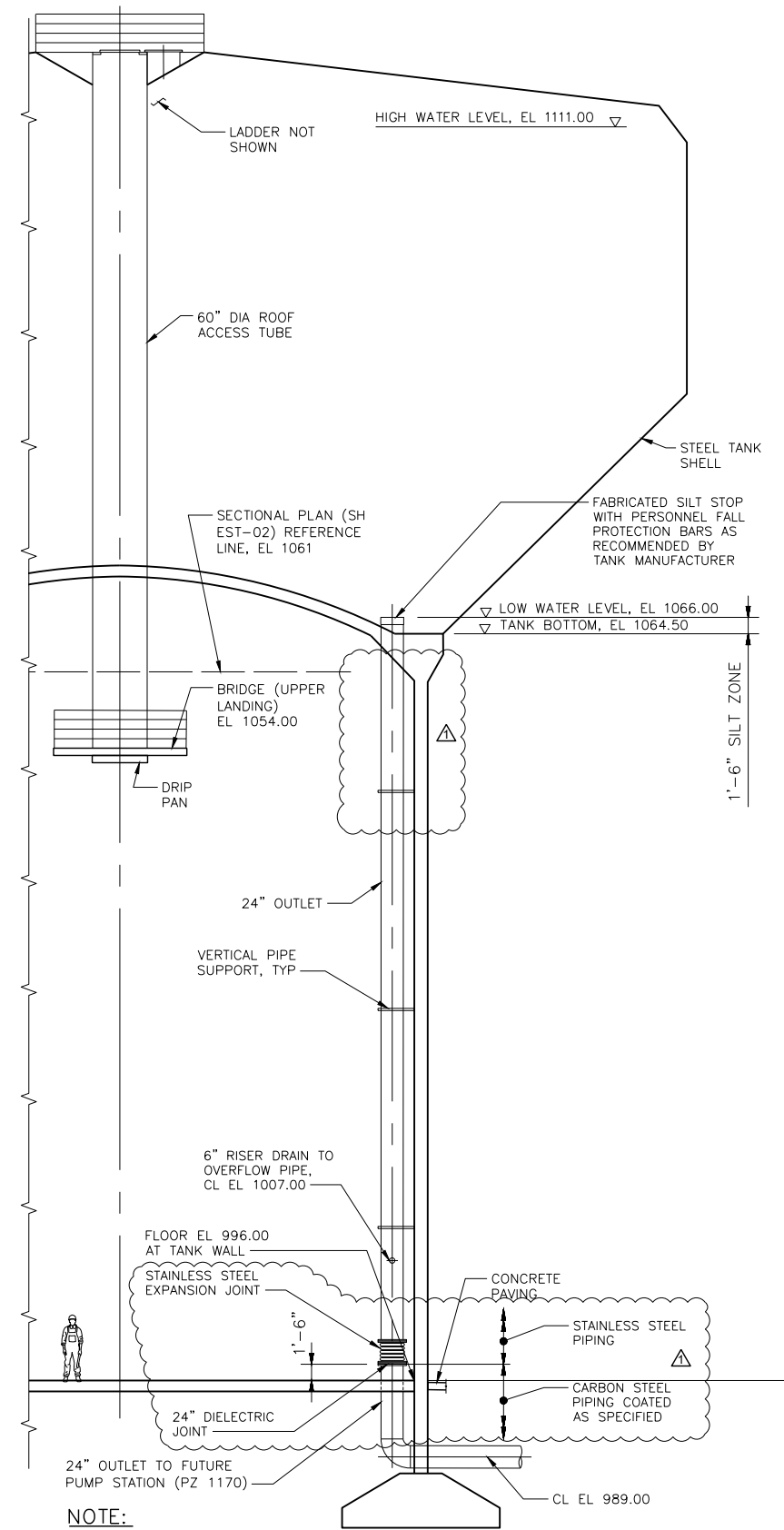
SCALE: AS SHOWN

REF. NO. EST-05R △
SHEET 17R OF 65



NOTE:
THIS SECTION DETAILS THE ACCESS LADDERS, LANDINGS AND TANK ACCESS. PROCESS PIPING AND OTHER EQUIPMENT NOT SHOWN.

LADDER AND ROOF ACCESS SECTION 1
SCALE: 1/16" = 1'-0" EST-01, EST-02



NOTE:
THIS SECTION DETAILS THE 24" OUTLET. OTHER PROCESS PIPING AND EQUIPMENT NOT SHOWN.

24" OUTLET PIPE SECTION 2
SCALE: 1/16" = 1'-0" EST-01, EST-02

GENERAL NOTES:

- SEE CONTRACT SPECIFICATIONS FOR DESIGN CRITERIA AND DETAILS. APPLICABLE ELEVATED TANK SPECIFICATIONS ARE AWWA D107 AND ACI 318.
- STEEL TANK FLOOR WITHIN THE PERIMETER OF THE CONCRETE SUPPORT PEDESTAL SHALL BE SUPPORTED BY A STRUCTURAL CONCRETE DOME.
- CONCRETE SUPPORT STRUCTURE DIAMETER AND DIMENSIONS AND CONFIGURATION OF FOUNDATION SHALL BE DETERMINED BY THE TANK MANUFACTURER. MANUFACTURER SHALL ATTAIN SOILS ENGINEER PARAMETERS FOR TANK FOUNDATION DESIGN AND COMPLY WITH THE LATEST VERSION OF THE IBC.
- PROVIDE ADEQUATE FREEBOARD TO ENSURE ROOF PROJECTIONS REMAIN ABOVE THE HIGH WATER LEVEL.
- CONCRETE PEDESTAL EXTERIOR SHALL INCORPORATE HORIZONTAL AND VERTICAL RUSTICATIONS TO CREATE A SYMMETRICAL ARCHITECTURAL PATTERN. SEE CONTRACT SPECIFICATIONS.
- SEE CONTRACT SPECIFICATIONS FOR STEEL TANK COATING REQUIREMENTS. (AWWA D102-17 AND AWWA C652-11).
- SEE SPECIFICATIONS FOR ADDITIONAL ACCESSORIES AND ITEMS.
- CONTRACTOR SHALL FURNISH AND INSTALL IDENTIFYING TAPE OR LABELING ON EACH SAMPLE LINE TO EASILY TRACE PIPING FROM ANALYZER TO TANK.
- ALL NEWLY INSTALLED PIPES AND RELATED PRODUCTS MUST CONFORM TO AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)/NSF INTERNATIONAL STANDARD 61 AND MUST BE CERTIFIED BY AN ORGANIZATION ACCREDITED BY ANSI.
- THE CONTRACTOR SHALL DISINFECT THE NEW WATERLINES IN ACCORDANCE WITH AWWA STANDARD C-651-14 OR MOST RECENT, THEN FLUSH AND SAMPLE THE LINES BEFORE BEING PLACED INTO SERVICE. SAMPLES SHALL BE COLLECTED FOR MICROBIOLOGICAL ANALYSIS TO CHECK THE EFFECTIVENESS OF THE DISINFECTION PROCEDURE WHICH SHALL BE REPEATED IF CONTAMINATION PERSISTS. A MINIMUM OF ONE SAMPLE FOR EACH 1,000 FEET OF COMPLETED WATERLINE WILL BE REQUIRED OR AT THE NEXT AVAILABLE SAMPLING POINT BEYOND 1,000 FEET AS DESIGNATED BY THE DESIGN ENGINEER.

FOUNDATION:

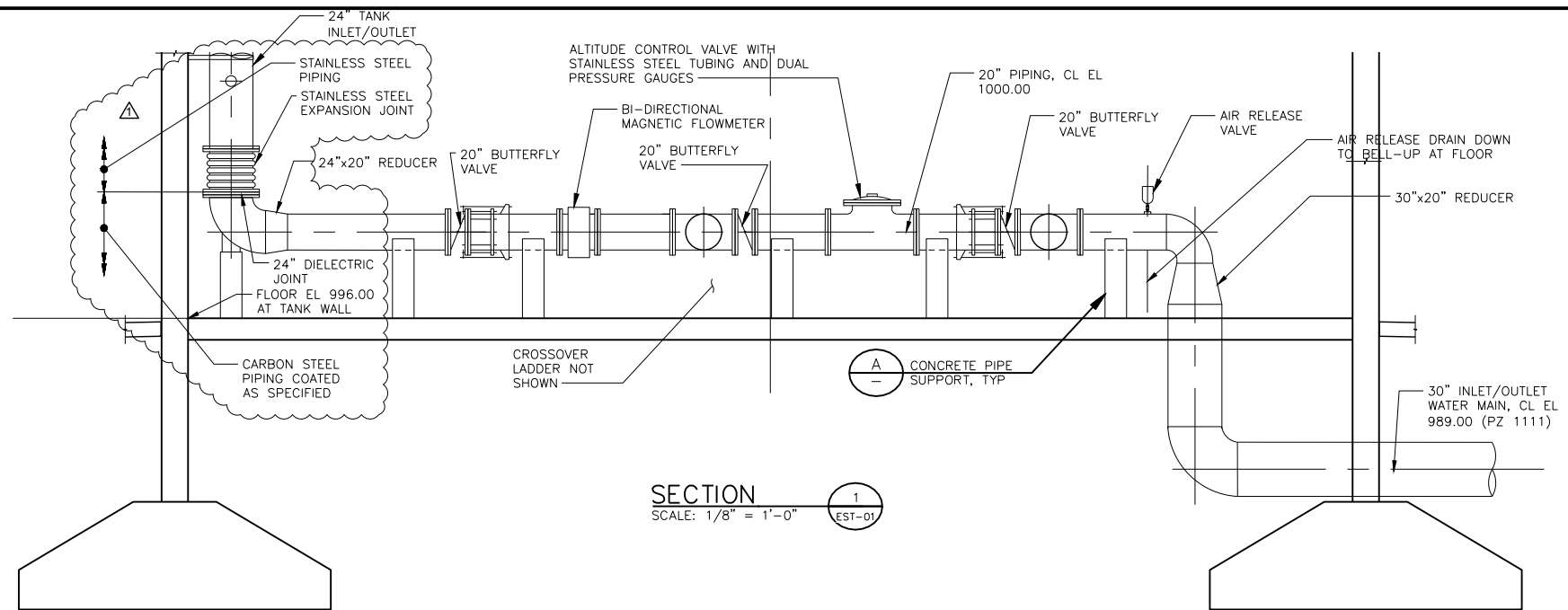
- REINFORCED CONCRETE FOUNDATION DESIGN AND CONSTRUCTION BY TANK MANUFACTURER.
- DESIGN FOUNDATION SYSTEM PER SITE SPECIFIC CONDITIONS AND DESIGN LOADS IN ACCORDANCE WITH AWWA D107.
- DESIGN CONCRETE IN ACCORDANCE WITH ACI 318, IBC 2000, ASCE 7 AND WITH GEOTECHNICAL REPORT "GEOTECHNICAL DESIGN RECOMMENDATIONS LETTER SAWS DEVAZALA ELEVATED TANK (PS-00077) SAN ANTONIO, TEXAS APRIL 9, 2021 PREPARED BY TERRACON CONSULTANTS, INC (PROJECT NO. 90195381)".

MECHANICAL:

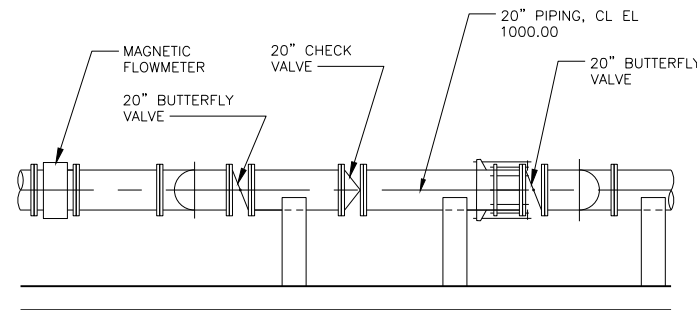
- INLET, OUTLET, DRAIN AND OVERFLOW VERTICAL RISER PIPING WITHIN THE CONCRETE PEDESTAL SHALL BE STAINLESS STEEL.
- ARROWS ON ALL PIPES SHALL INDICATE DIRECTION OF FLOW.
- PROVIDE HANGERS, BRACKETS, AND THRUST RESTRAINT AS REQUIRED. CONTRACTOR TO INSTALL ONE BRACKET OVER OVERHEAD DOOR AND INSTALL OTHERS AT 90' EACH. HEIGHT TO BE COORDINATED WITH ENGINEER PRIOR TO PLACEMENT. ALL ELECTRICAL CONDUIT TO BE INSTALLED IN INTERIOR OF PEDESTAL.
- OVERFLOW SYSTEM SHALL BE DESIGNED TO ACCOMMODATE MAXIMUM FILL RATE. SEE CONTRACT SPECIFICATION.
- REMOVABLE SILT STOP SHALL BE 6 INCHES ABOVE TANK FLOOR.

MISCELLANEOUS IRON:

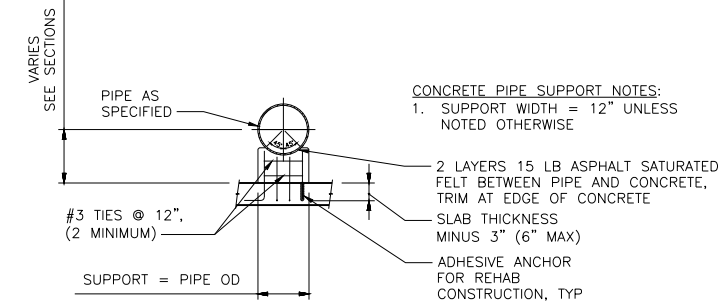
- ALL LADDERS, LANDINGS, AND ASSOCIATED COMPONENTS INSTALLED INSIDE THE CONCRETE SUPPORT STRUCTURE SHALL BE IN ACCORDANCE WITH SAWS STANDARD LADDER DETAILS (REF. DD-903-14-1).
- PROVIDE FALL PROTECTION SYSTEM ON ALL LADDERS.
- ROOF ACCESS TUBE HATCH AND TANK ACCESS HATCHES SHALL MATCH SAWS STANDARD DETAIL DD-903-12.
- A REMOVABLE ALUMINUM 24"x36" LOUVER SHALL BE INSTALLED AT THE UPPER LANDING FOR ACCESS TO THE EXTERIOR PAINTER RAIL.



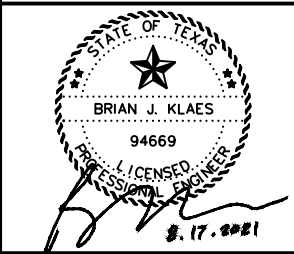
SECTION 1
 SCALE: 1/8" = 1'-0" (EST-01)



SECTION 2
 SCALE: 1/8" = 1'-0" (EST-01)



CONCRETE PIPE SUPPORT
 NO SCALE (A)



JOB NO. 15-6001

NO.	DATE	REVISION	BY
Δ	8/17/21	ADDENDUM NO. 2	BK

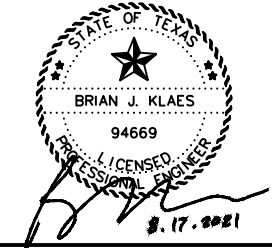
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 PROJECT NO.: MCI 20-103
 DESIGNED BY: AWL, BCS
 DRAWN BY: AWL
 CHECKED BY: _____

DE ZAVALA ELEVATED STORAGE TANK

TANK GENERAL NOTES AND DETAILS

SCALE: AS SHOWN

REF. NO. EST-06R Δ
 SHEET 18R OF 65



NO.	DATE	REVISION	BY
1	8/17/21	ADDENDUM NO. 2	BK

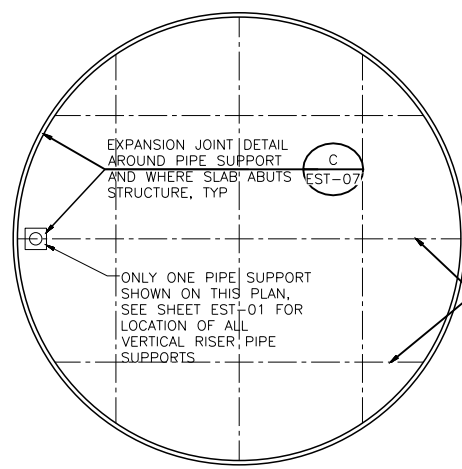
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 DRAWN BY: AWL
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DE ZAVALA ELEVATED STORAGE TANK

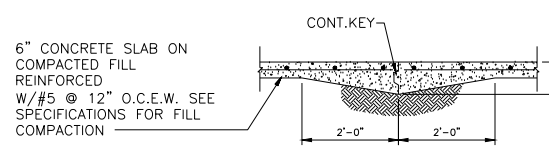
TANK DETAILS

SCALE: AS SHOWN

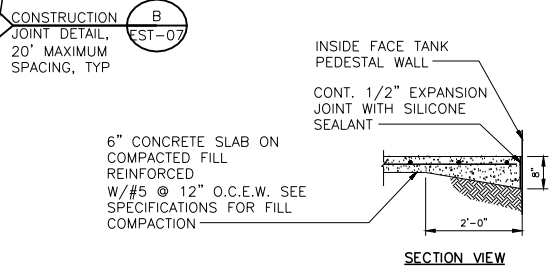
REF. NO. EST-07R
 SHEET 19R OF 65



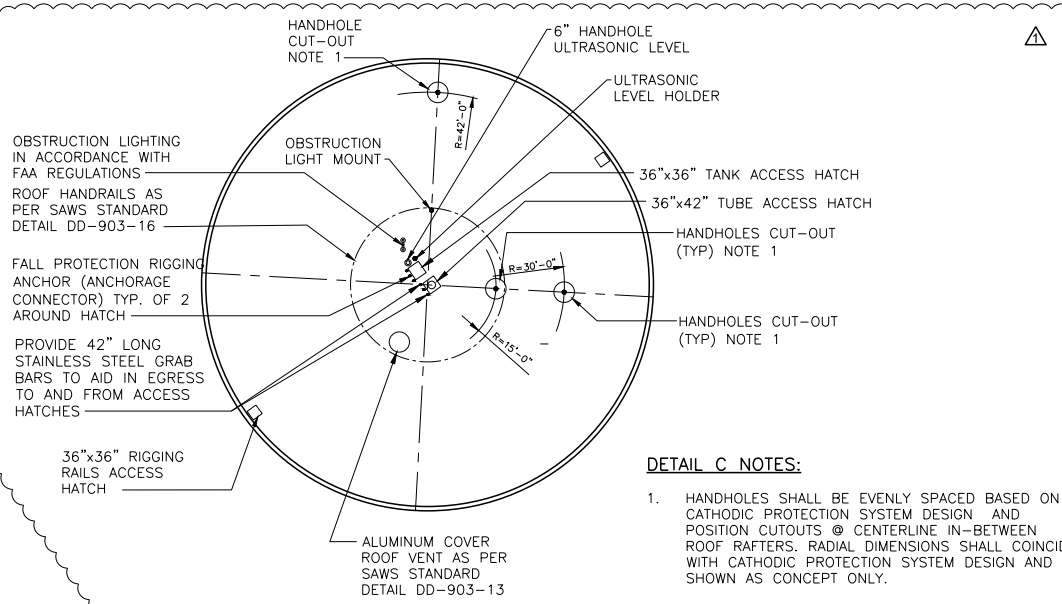
PEDESTAL FLOOR SLAB JOINT PLAN DETAIL
 NOT TO SCALE



CONSTRUCTION JOINT DETAIL
 NOT TO SCALE



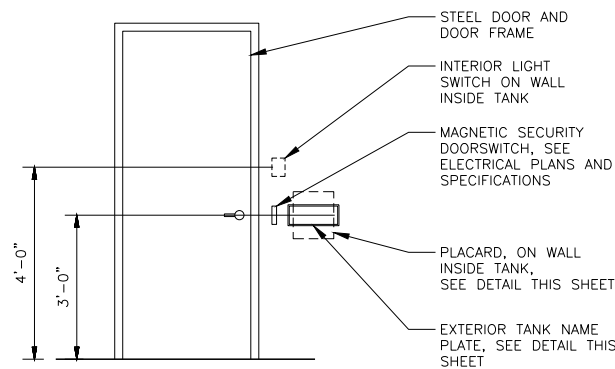
EXPANSION JOINT DETAIL
 NOT TO SCALE



ROOF PLAN DETAIL
 NOT TO SCALE

DETAIL C NOTES:

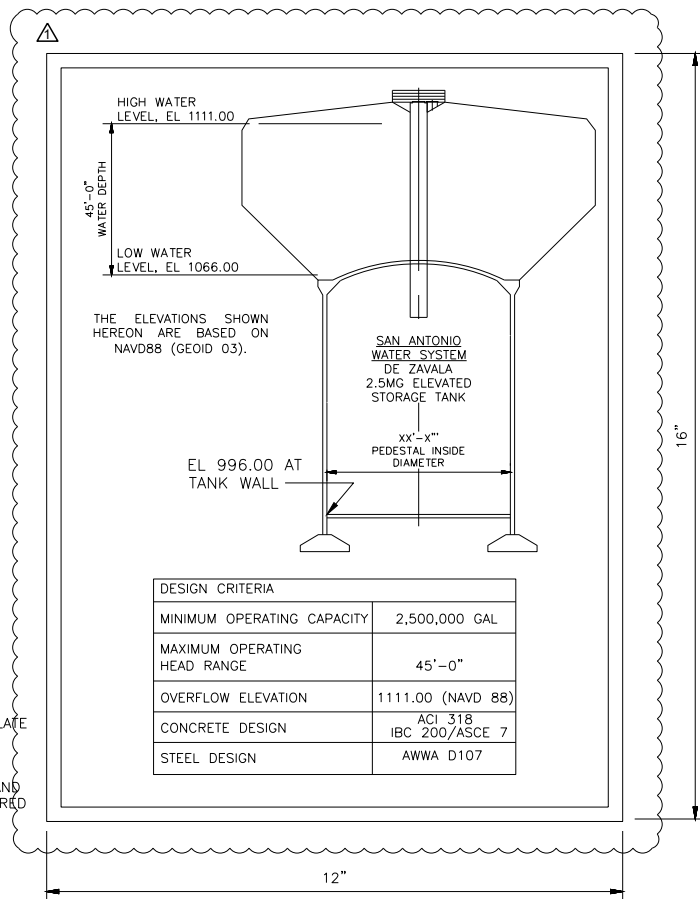
- HANDHOLES SHALL BE EVENLY SPACED BASED ON CATHODIC PROTECTION SYSTEM DESIGN AND POSITION CUTOUTS @ CENTERLINE IN-BETWEEN ROOF RAFTERS. RADIAL DIMENSIONS SHALL COINCIDE WITH CATHODIC PROTECTION SYSTEM DESIGN AND SHOWN AS CONCEPT ONLY.
- DETAIL SCHEMATICALLY DETAILS ITEMS, SEE SHEETS EST-01 TO EST-05 FOR EXACT LOCATIONS OF TANK INTERIOR ITEMS.
- RADIO TELEMETRY EQUIPMENT MOUNTED ON ROOF AS PER MANUFACTURERS RECOMMENDATION.
- SEE SAWS DETAIL DD-903-05 FOR MORE DETAILS ON THE TANK ROOF LAYOUT.



PERSONNEL DOOR OUTSIDE ELEVATION
 SCALE 1/4"=1'-0"

INTERIOR PLACARD NOTES:

- INTERIOR PLACARD AT TANK BY CONTRACTOR. PROVIDE TANK NAMEPLATE INFORMATION AND DIAGRAM OF TANK INFORMATION AS SHOWN.
- PLACARD TO BE FRAMED, PRINTED AND LAMINATED OR ENGRAVED AND SECURED TO THE PEDESTAL INTERIOR WALL.



INTERIOR PLACARD
 SCALE 1/2"=1'-0"

AWWA D107	
NAME	DE ZAVALA 2.5 MG ELEVATED TANK
YEAR COMPLETED	202X
NOMINAL DIAMETER	XXX'
NOMINAL HEIGHT	XXX.XX'
NOMINAL CAPACITY	2.5 MG
MATERIAL	STEEL

EXTERIOR NAMEPLATE BY TANK MANUFACTURER
EXTERIOR TANK NAMEPLATE
 NOT TO SCALE