

To: All Plan Holders of Record

From: Verdantas, LLC For the Owner

Re: Addendum No. 2 Woods Ridge Elevated Water Storage Tank Scioto County Regional Water District No. 1

Date: April 15, 2025

This Addendum forms a part of the contract documents and modifies the original bidding documents dated August 2024 and all previous addenda, if any. Acknowledge receipt of this addendum in the space provided in the bid forms. Failure to do so may subject the bidder to disqualification.

BID FORMS

The Bid Form (SECTION 004100) has been **REVISED**. The revised Bid Form annotated "Addendum No. 2 -April 15, 2025" has been attached to this addendum. All bids submitted for the project must utilize the revised Bid Form. Any bids submitted that do not utilize the revised Bid Form shall be deemed non-responsive.

SPECIFICATIONS

1. SECTION 331613.14 – BOLTED STEEL WATER STORAGE TANKS

a. **<u>REPLACE</u>** Paragraph 2.1.B.14. b. in its entirety with the following text:

"A 24-inch x 18-inch minimum diameter hinged roof hatch with padlock bracket shall be located adjacent to the roof access walkway. The opening shall have a curb four inches high, and the cover shall have a downward overlap of 2 inches."

- b. **<u>DELETE</u>** the second sentence of Paragraph 2.1.B.14.d. Ladder in its entirety
- c. <u>**REPLACE**</u> Paragraph 2.1.B.19.a. Safety Cages and Handrails in its entirety with the following text:

"Ladder and Safety Cages: Provide an exterior ladder with safety cage and step-off platforms. Offset ladders with landings not exceeding 20 feet, in conformance with OSHA requirements. Side rails shall be seal-welded where rungs are placed. Ladder shall begin 8 feet above the tank base elevation."

d. ADD Paragraph 2.1.B.19.c. Handrails as follows:

"Handrails: Required on the tank roof access walkway and at the roof cap."

e. <u>**REPLACE**</u> Paragraph 2.1.B.32. Aluminum Dome Roof in its entirety with the following text:

"Aluminum Dome Roof: Not required."

f. <u>**REPLACE**</u> Paragraph 2.1.B.33. Aluminum Dome Finish in its entirety with the following text:

"Aluminum Dome Finish: Not applicable."

g. ADD Paragraph 2.1.B.34. Tank Panel Color as follows:

"Tank Wall / Roof Panel Color: Exterior - Cobalt Blue, Interior - White"

h. ADD Paragraph 2.1.B.35. Internal Mixing System as follows:

"Internal Mixing System: Tank shall be equipped with an internal mixing system."

- i. <u>ADD</u> Paragraph 2.2.F. Roof as follows:
 - "1. Tank shall include a radially sectioned roof fabricated from glass-coated, bolted steel panels, as produced by the tank manufacturer, and shall be assembled in a similar manner as the sidewall panels utilizing the same sealant and bolting techniques, so as to assure a water/airtight assembly. The roof shall be clear span and self-supporting. Both live and dead loads shall be carried by the tank walls."
- j. **DELETE** Paragraph 2.3 TANK ROOF in its entirety.
- k. ADD Paragraph 2.5.E. Roof Vent as follows:
 - "E. Roof Vent
 - 1. A properly sized vent assembly in accordance with AWWA D103 shall be furnished and installed above the maximum water level of sufficient capacity so that at maximum possible rate of water fill or withdrawal, the resulting interior pressure or vacuum will not exceed 0.5" water column.
 - 2. The overflow pipe shall not be considered to be a tank vent.
 - 3. The vent shall be constructed of aluminum.
 - 4. The vent shall be so designed in construction as to prevent the entrance of birds and/or animals by including an expanded aluminum screen (1/2 inch) opening. An insect screen of 23 to 25 mesh polyester monofilament shall be provided and designed to open should the screen become plugged by ice formation."
- 1. <u>ADD</u> Paragraph 2.8. MIXING SYSTEM as follows:

"2.8 MIXING SYSTEM

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- A. Passive Mixing System
 - 1. The storage tank mixing system shall accomplish thorough mixing of the tank contents. The mixing system shall function without the use of mechanical pumps, blowers or other equipment with motor drives or other continuously moving parts. The energy needed to mix the storage tank shall be provided solely by the flow of water through the tank inlet pipe. The mixing system shall be designed to distribute the fresh incoming water throughout the tank, reducing microbial growth and related tastes and odors.
 - 2. Mixing system inlet nozzles shall be NDF-61 Certified, fabricated from EPDM rubber and supplied with 316 Stainless Steel backup rings. Mixing system inlet nozzles shall be Red Valve Tideflex Series 35 or approved equal.
 - 3. Mixing system outlet valves shall be NSF-61 certified, fabricated with EPDM rubber membrane, and 304 Stainless Steel disc, bar, and fasteners. Mixing system outlet valves shall be Red Valve Waterflex WF-3 or approved equal.
 - 4. A Reservoir Mixing Analysis (RMA) is to be supplied to the Owner as a part of the submittal process. The analysis shall provide guidance on the tank turnover/fluctuation required to ensure complete mixing with the TMS installed. The analysis shall determine the fill time required to achieve complete mixing. The RMA shall also provide data on the time required to draw down on the tank at various draw rates.
- B. Active Mixing System
 - 1. As an alternate, an active mixing system can be proposed for installation interior to the tank. The active mixing system shall be a Gridbee mixer as manufactured by Ixom Watercare, Inc. of Dickinson, ND.
 - 2. All components of the active mixing system shall be suitable for a potable water application and for insertion into the tank.
 - 3. The Contractor shall be responsible for supplying electrical service to support operation of the mixer and for coordinating with the Owner for interface to the existing power supply at the site.
 - 4. The model of the active mixer selected shall be supported by a Reservoir Mixing Analysis (RMA) as outlined under the requirements for a passive mixing system."

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DRAWINGS

1. SHEET 2 of 8, 00G-02 – GENERAL NOTES, LEGEND & SHEET INDEX

ADD the following text to the note entitled TANK SITE PREPARATION:

"Owner shall be responsible for removing the existing tank foundations and for restoring the excavation to grade with suitable fill."

2. SHEET 3 of 8, 01C-01 – SITE PLAN

<u>REVISE</u> the requirement outlined within the PROPOSED SITE PLAN to reflect the required rock channel protection to be "BY OWNER" in lieu of "BY CONTRACTOR" as shown.

3. SHEET 4 of 8, 01C-02 – WATER STORAGE TANK PLAN & SECTION

<u>REPLACE</u> this drawing in its entirety with the revised drawing attached to this addendum.

4. SHEET 5 of 8, 01C-03 – WATER STORAGE TANK DETAILS

- a. **<u>ADD</u>** the following text to the detail entitled OVERFLOW DETAILS:
 - "3. The fitting to transition the overflow penetration from the interior of the tank to the exterior and the adjacent elbow shall be constructed of 304SS. Appropriate fittings shall be provided to transition the vertical section of the overflow to SCH 80 PVC."
- b. **<u>ADD</u>** the following text to the detail entitled OVERFLOW DETAILS:
 - "3. As an alternate an active mixing system in accordance with the project specifications maybe considered."

5. SHEET 6 of 8, 01C-04 – WATER STORAGE TANK PLAN & SECTION

<u>REPLACE</u> this drawing in its entirety with the revised drawing attached to this addendum.

Enclosures

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SECTION 004100 - BID FORM

SCIOTO COUNTY REGIONAL WATER DISTRICT NO. 1 WOODS RIDGE ELEVATED WATER STORAGE TANK

ARTICLE 1 BID RECIPIENT

1.01 Bids will be received until 10:30 A.M., local time, April 18, 2025.

1.02 Bids shall be submitted to:

Scioto County Regional Water District No. 1 181 State Route 728 Lucasville, OH 45648

1.03 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

ARTICLE 2 BIDDER'S ACKNOWLEDGEMENTS

2.01 Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for 60 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

2.02 Bidder will sign and deliver the required number of counterparts of the Agreement with the bonds, insurance certificates, and other documents required by the Bidding Requirements within 10 days after the Owner's Notice of Award.

ARTICLE 3 BIDDER'S REPRESENTATIONS

3.01 In submitting this Bid, Bidder represents that:

A. Bidder has examined and carefully studied the Bidding Documents, the other related data identified in the Bidding Documents, and the following Addenda, receipt of which is hereby acknowledged.

Addendum No.	Addendum Date

B. Bidder has visited the Site and become familiar with and is satisfied as to the general, local and Site conditions that may affect cost, progress, and performance of the Work.

C. Bidder is familiar with and is satisfied as to all federal, state and local Laws and Regulations that may affect cost, progress and performance of the Work.

D. Bidder has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or contiguous to the Site and all drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the Site (except Underground Facilities) which have been identified in SC-4.02, and (2) reports and drawings of Hazardous Environmental Conditions that have been identified in SC-4.06.

E. Bidder has obtained and carefully studied (or accepts the consequences for not doing so) all additional or supplementary examinations, investigations, explorations, tests, studies and data concerning conditions (surface, subsurface and Underground Facilities) at or contiguous to the Site which may affect cost, progress, or performance of the Work or which relate to any aspect of the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, including applying the specific means, methods, techniques, sequences, and procedures of construction expressly required by the Bidding Documents to be employed by Bidder, and safety precautions and programs incident thereto.

F. Bidder does not consider that any further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price(s) bid and within the times and in accordance with the other terms and conditions of the Bidding Documents.

G. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.

H. Bidder has correlated the information known to Bidder, information and observations obtained from visits to the Site, reports and drawings identified in the Bidding Documents, and all additional examinations, investigations, explorations, tests, studies, and data with the Bidding Documents.

I. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and the written resolution thereof by Engineer is acceptable to Bidder.

J. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance of the Work for which this Bid is submitted.

K. Bidder will submit written evidence of its authority to do business in the state where the Project is located not later than the date of its execution of the Agreement.

ARTICLE 4 FURTHER REPRESENTATIONS

4.01 Bidder further represents that:

A. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation;

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B. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;

C. Bidder has not solicited or induced any individual or entity to refrain from bidding; and

D. Bidder has not sought by collusion to obtain for itself any advantage over any other Bidder or over Owner.

ARTICLE 5 BASIS OF BID

5.01 Bidder will complete the Work in accordance with the Contract Documents for the following price(s):

BID FORM

SCIOTO COUNTY REGIONAL WATER DISTRICT NO. 1 WOODS RIDGE ELEVATED WATER STORAGE TANK

The following prices per item shall be for furnishing and installing the various items of material and work as specified and shown on the Drawings and described in the Specifications for the following listed prices. Bidder acknowledges that Unit Prices have been computed in accordance with Paragraph 11.03.B of the General Conditions. Bidder acknowledges that estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all Unit Price Bid Items will be based on actual quantities, determined as provided in the Contract Documents.

All specified cash allowances are included in the price(s) set forth below and have been computed in accordance with Paragraph 11.02 of the General Conditions.

A price must be bid for each item in the Bid, even though the estimated quantity is zero. Unbalanced or unreasonable unit prices may cause rejection of the Bid. All words and numbers shall be in ink.

Furnish and install, complete, 16'-9" dia. x 83'-5" tall AWWA D103 glass-lined, bolted steel, potable water storage tank and related appurtenances as outlined within the Drawings and Specifications, excluding the internal mixing system.

Total Lump Sum Cost

Dollars Cents

Mixing System Alternate 1: Passive Mixing System as outlined within the Drawings and Specifications.

Total Lump Sum Cost

\$_____

\$

\$

_____Dollars _____Cents

Mixing System Alternate 2: Active Mixing System as outlined within the Drawings and Specifications.

Total Lump Sum Cost

DollarsCent	ts
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ARTICLE 6 TIME OF COMPLETION

6.01 Bidder agrees that the Work will be substantially completed on or before March 1, 2026, and completed and ready for final payment in accordance with Paragraph 14.07.B of the General Conditions on or before March 31, 2026.

6.02 Bidder accepts the provisions of the Agreement as to liquidated damages in the event of failure to complete the Work within the Contract Times.

ARTICLE 7 ATTACHMENTS TO THIS BID

7.01 The following documents are attached to and made a condition of this Bid:

А.	Required Bid security in the form of	in the
	(Bid Guaranty, Bond, Check, et al.)	
amount of	Dollars (\$)
· 11		

as required by the Instructions to Bidders.

B. Bidder's Qualifications.

C. Certification of Non-Segregated Facilities.

D. Non-collusion Affidavit.

E. State of Ohio Equal Employment Opportunity Requirements and Bid Conditions for OPWC-Assisted Construction Projects (Pages 004400-10 through 004400-12).

ARTICLE 8 DEFINED TERMS

8.01 The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

ARTICLE 9 COMMUNICATIONS

9.01 Communications concerning this Bid shall be addressed to the address of Bidder indicated below:

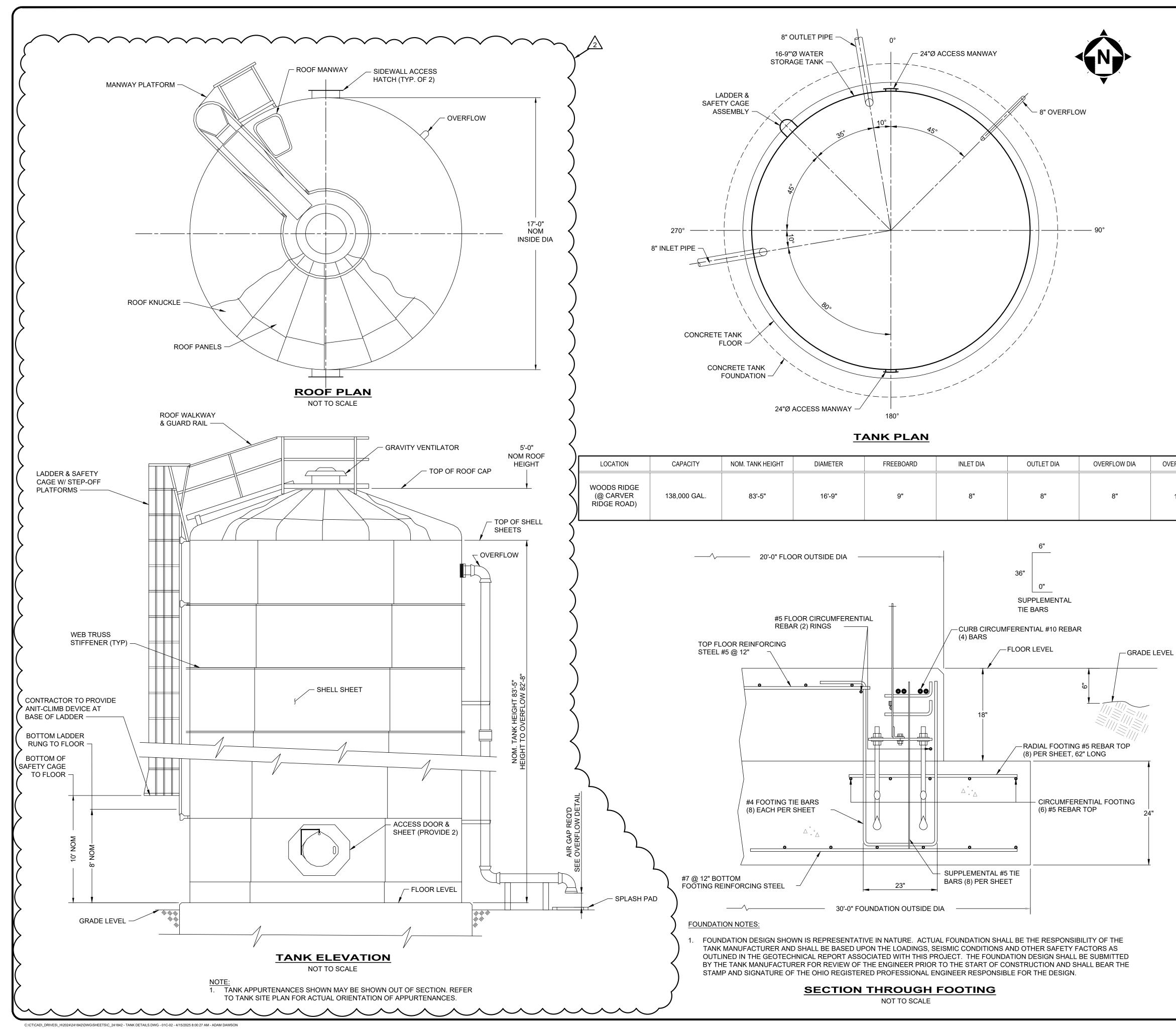
Name:	
Street:	
City, State, Zip Code:	
Phone:	Fax:
Email:	_

ARTICLE 10 BID SUBMITTAL

10.01	Bid Submittal Date:	, 20
10.02	State Contractor License No	(if applicable)
10.03	This Bid submitted by:	
<u>An Ina</u>	<u>lividual</u>	
Name	(typed or printed):	
By:	·····	
		vidual's signature)
Busine	ess address:	
Phone	No.:	Fax No.:
<u>A Part</u>	tnership	
Partne	rship Name:	(SEAL)
By:		
	(Signature of general part	ner attach evidence of authority to sign)
Name	(typed or printed):	
Busine	ess address:	
Phone	No.:	Fax No.:
<u>A Cor</u>	<u>poration</u>	
Corpo	ration Name:	(SEAL)
State of	of Incorporation:	
		, Service, Limited Liability):
	(0)	
J * <u></u>	(Signature attach evide	nce of authority to sign)
Name	(typed or printed):	
Title:		(SEAL)
Attest	:	
	(Signature attach eviden	ce of authority to sign)
Busine	ess address:	
Phone	No.:	Fax No.:

Date of Authorization to do business is	_//
Sworn and subscribed to before me this	day of,
	_ Notary Public
My Commission expires:	
<u>A Joint Venture</u>	
Name of Joint Venture:	
First Joint Venturer Name:	(SEAL)
By: (Signature of first joint venture parts	
Name (typed or printed):	
Title:	
Business address:	
Phone No.:	Fax No.:
Second Joint Venturer Name:	(SEAL)
By:	
(Signature of second joint venture par	rtner attach evidence of authority to sign)
Name (typed or printed):	
Title:	
Business address:	
Phone No.:	
	eer of signing for each individual, partnership, an re should be in the manner indicated above.)
Sworn and subscribed to before me this	day of,
	_ Notary Public
My Commission expires:	

END OF SECTION



WATER STORAGE TANK NOTES:

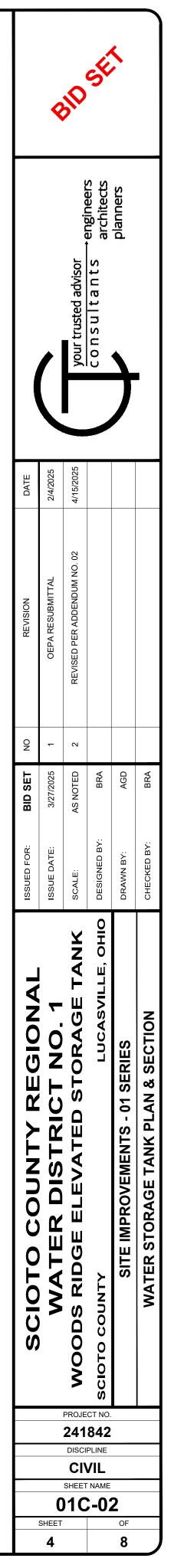
- 1. SHOP DRAWINGS: TANK MANUFACTURER SHALL PROVIDE SHOP DRAWINGS AND CALCULATIONS FOR THE PROPOSED STRUCTURE AND RELATED FOUNDATION. DRAWINGS SHALL BE ADEQUATELY DETAILED TO REPRESENT THE PROPOSED CONSTRUCTION AND TO PROVIDE FOR THE REVIEW OF THE RESPONSIBLE BUILDING OFFICIAL. ORIGINALLY CERTIFIED COPIES OF DRAWINGS AND CALCULATIONS SHALL BE PROVIDED IN SUFFICIENT NUMBER TO COORDINATE ACQUISITION OF A BUILDING PERMIT FOR THE PROPOSED STRUCTURE.
- 2. FOUNDATION MATERIALS: CONCRETE UTILIZED IN THE FOUNDATION SHALL HAVE A MINIMUM COMPRESSIVE STRESS OF 4,600 PSI AT 28 DAYS. REINFORCING STEEL SHALL CONFORM TO GRADE 60.
- 3. TANK ORIENTATION: CONTRACTOR SHALL REFER TO THE SITE PLAN ASSOCIATED WITH THIS TANK FOR ACTUAL ORIENTATION OF THE TANK, PIPING AND APPURTENANCES. DETAILS INCLUDED WITHIN THE VARIOUS TANK SECTIONS AND DETAILS ARE IN SOME INSTANCES SCHEMATIC ONLY AND DO NOT NECESSARILY INDICATE ALL ITEMS IN THEIR CORRECT LOCATIONAL RELATIONSHIP.
- 4. CONTINUITY: ALL METALLIC PARTS OF THE TANK SHALL BE ELECTRICALLY CONTIGUOUS.

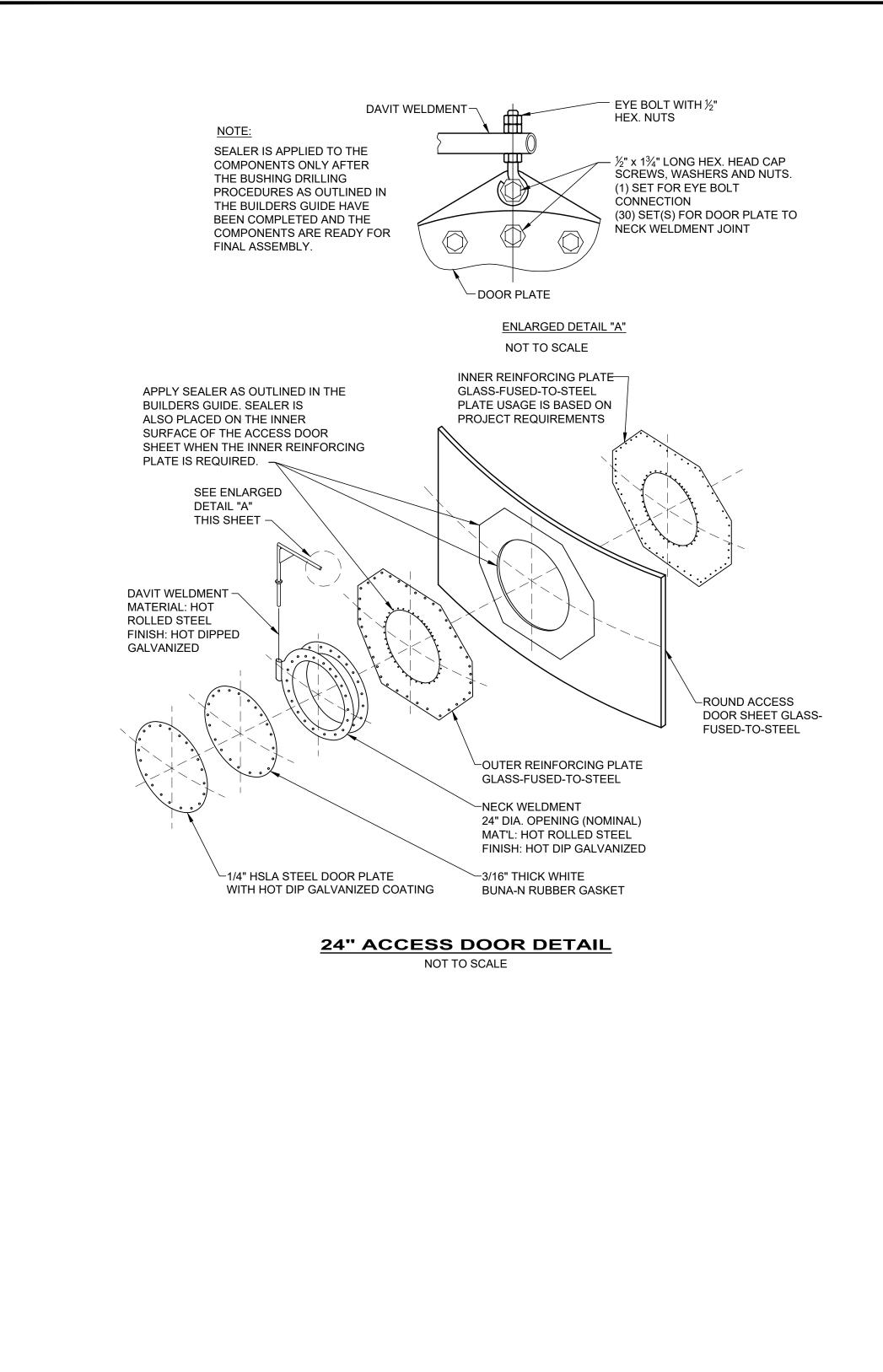
OVERFLOW ELEV	OVERFLOW ELEV BASE ELEV		OVERFLOW RATE
1124.22	1041.05	1040.55	350 GPM

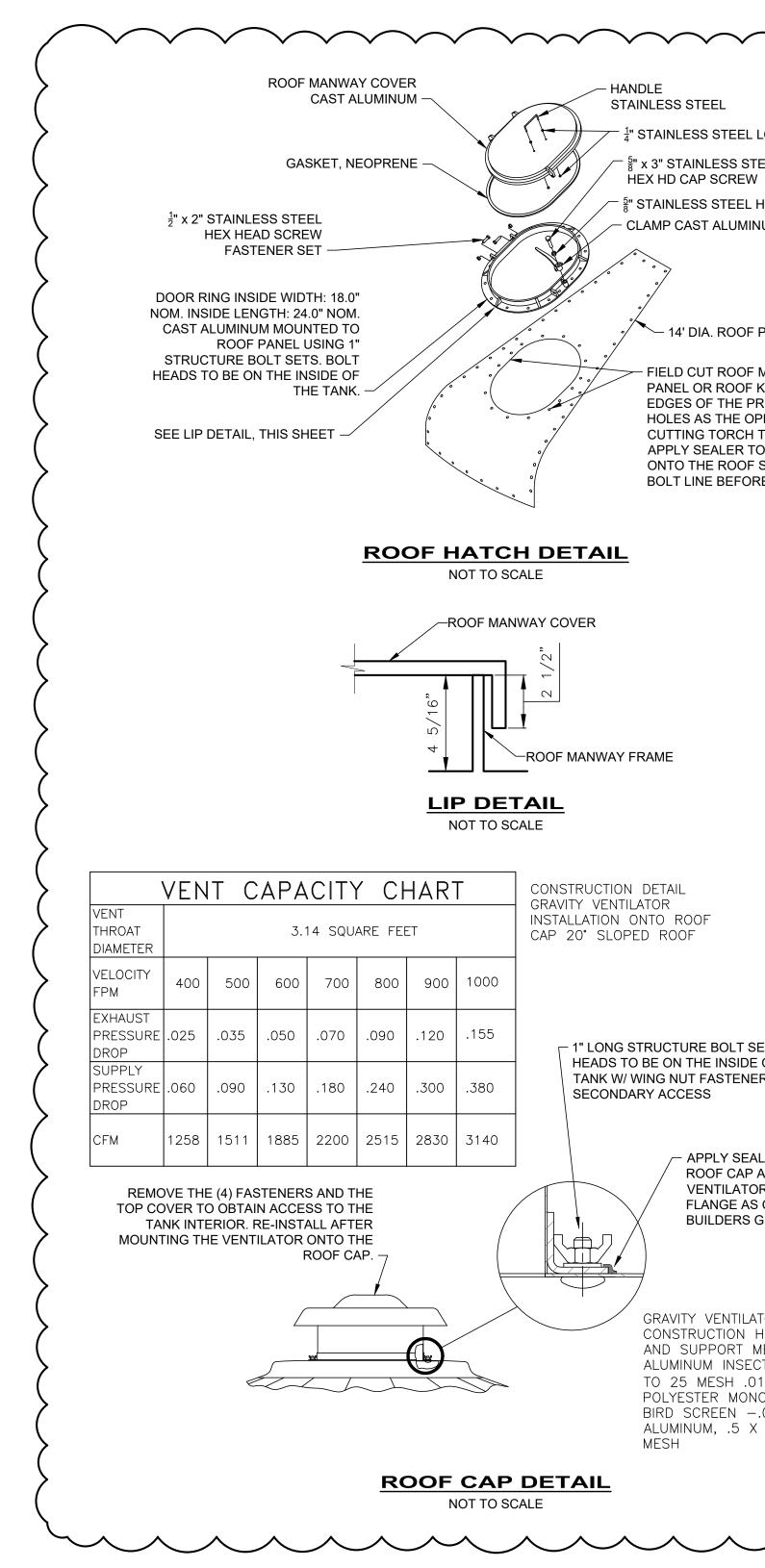
NOTES:

1.	FOUNDATION DESIGN: FOUNDATION DESIGN SHOWN IS REPRESENTATIVE IN NATURE. ACTUAL FOUNDATION DESIGN SHALL BE THE RESPONSIBILITY OF THE TANK MANUFACTURER AND SHALL BE BASED UPON THE LOADINGS, SEISMIC CONDITIONS AND OTHER SAFETY FACTORS AS OUTLINED IN THE GEOTECHNICAL REPORT ASSOCIATED WITH THIS PROJECT. THE FOUNDATION DESIGN SHALL BE SUBMITTED BY THE TANK MANUFACTURER FOR REVIEW OF THE ENGINEER PRIOR TO THE START OF CONSTRUCTION AND SHALL BEAR THE STAMP AND SIGNATURE OF THE OHIO REGISTERED PROFESSIONAL ENGINEER RESPONSIBLE FOR THE DESIGN.
2.	SHOP DRAWINGS: TANK MANUFACTURER SHALL PROVIDE SHOP DRAWINGS AND CALCULATIONS FOR THE PROPOSED STRUCTURE AND RELATED FOUNDATION. DRAWINGS SHALL BE ADEQUATELY DETAILED TO REPRESENT THE PROPOSED CONSTRUCTION AND TO PROVIDE FOR THE REVIEW OF THE RESPONSIBLE BUILDING OFFICIAL. ORIGINALLY CERTIFIED COPIES OF DRAWINGS AND CALCULATIONS SHALL BE PROVIDED IN SUFFICIENT NUMBER TO COORDINATE ACQUISITION OF A BUILDING PERMIT FOR THE PROPOSED STRUCTURE.
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4.	TANK ORIENTATION: CONTRACTOR SHALL REFER TO THE SITE PLAN AND FOUNDATION PLAN ASSOCIATED WITH THIS TANK FOR ACTUAL ORIENTATION OF THE TANK, PIPING AND APPURTENANCES. DETAILS INCLUDED WITHIN THE VARIOUS TANK SECTIONS AND DETAILS ARE IN SOME INSTANCES SCHEMATIC ONLY AND DO NOT NECESSARILY INDICATE ALL ITEMS IN THEIR CORRECT LOCATIONAL RELATIONSHIP.
5.	<u>CONTINUITY:</u> ALL METALLIC PARTS OF THE TANK SHALL BE ELECTRICALLY CONTIGUOUS.
6.	FOUNDATION PREPARATION: IT IS ANTICIPATED THAT THE PROPOSED WATER STORAGE TANK WILL BE SUPPORTED ON A MAT/SLAB FOUNDATION SYSTEM. THE AREAS ENCOMPASSED BY THIS FOUNDATION SYSTEM AND 5 FEET BEYOND SHOULD BE UNDERCUT SUCH THAT A MINIMUM 1

ENCOMPASSED BY THIS FOUNDATION SYSTEM AND 5 FEE BEYOND SHOULD BE UNDERCUT SUCH THAT A MINIMUM 1 FOOT THICK LAYER OF ODOT ITEM 304 CRUSHED LIMESTONE STRUCTURAL FILL EXISTS BENEATH THE BOTTOM OF FOUNDATION LEVEL. CONTRACTOR SHALL REFER TO GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION.







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LOCKNUT EEL HEX NUT IUM						/isor → angingars		planners	
PANEL SHOWN MANWAY OPENING FROM ROOF KNUCKLE USING THE OUTSIDE REPUNCHED NOTCHES AND PENING OUTLINE. DO NOT USE A TO PERFORM THIS OPERATION. D THE FIELD CUT EDGES AND SURFACE OVER THE MANWAY						your trusted advisor	consultar)	•
	$\left\{ \right\}$			DATE	2/4/2025	4/15/2025			
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