

ADDENDUM NO. 4
WL-100 AREA ELEVATED STORAGE TANK PROJECT
NORTHWESTERN WATER AND SEWER DISTRICT
DECEMBER 18, 2020

1. ENGINEER'S ESTIMATE
 - a. The Engineer's estimate has been raised to \$4,400,000 to address additional work and expected cost changes in materials.

2. PLAN SHEET E3 (SEE REVISED SHEET ATTACHED)
 - a. The following items of equipment shall be provided and installed by owner. Conduit and wiring shall be provided and installed by tank contractor. This work shall be coordinated with owner and the equipment supplier. Any changes in scope and costs will be made at that time:
 - i. Ventilation System Blower and control panel
 - ii. Floating Spray Nozzle Unit and control panel
 - iii. 120 V Submersible Mixer and control panel
 - iv. Free Chlorine Analyzer
 - b. The Floating Spray Nozzle Unit Pressure Transducer and all associated conduit shall be deleted.

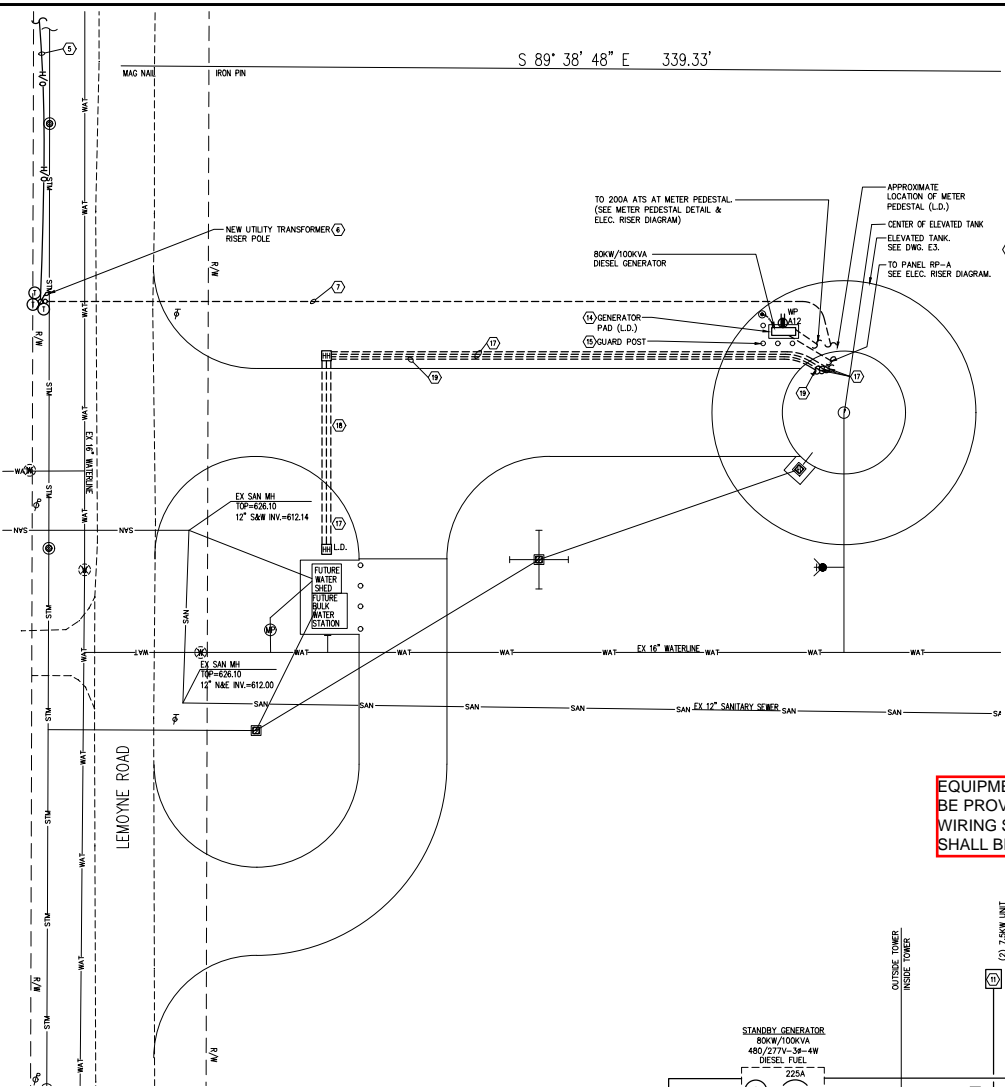
3. PLAN SHEET NWSD GENERAL NOTES SHEET 2 of 5
 - a. Preconstruction video can be performed by contractor. Professional video service is not required.

4. SPECIFICATIONS AND MISCELLANEOUS
 - a. Summary of Work, Paragraph 1.03A. Tank size shall be changed from 500,000 gallons to 1,500,000 gallons.
 - b. Owner has secured permits from Ohio EPA and FAA. FAA permit attached. Modifications to the permits required for construction shall be secured by the tank contractor. All other necessary permits are by the contractor.
 - c. Specification Section 13210 Paragraph 1.04A. Bidder shall provide foundation sketch with bid.

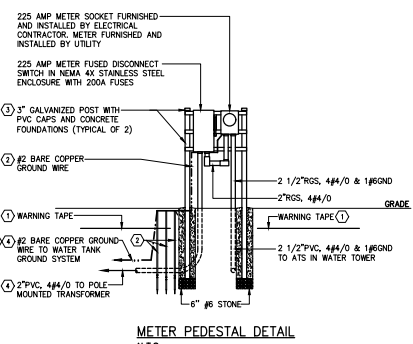
END OF ADDENDUM

ANY INFORMATION OR DATA ON THIS DRAWING IS NOT INTENDED TO BE RELIABLE FOR DESIGN BY ANY PERSON, FIRM OR CORPORATION OR ANY OTHERS ON EXTENSION OF THIS PROJECT OR FOR ANY USE ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN PERMISSION AND ADAPTATION BY THE ENGINEER, ARCHITECT OR SURVEYOR FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO THE ENGINEER, ARCHITECT OR SURVEYOR.

X:\FILE No. 1:\313700\00397\elec\313700-00397.E2 SITE PLAN - ELECTRICAL.dwg 10/21/20 10:43:meds\j

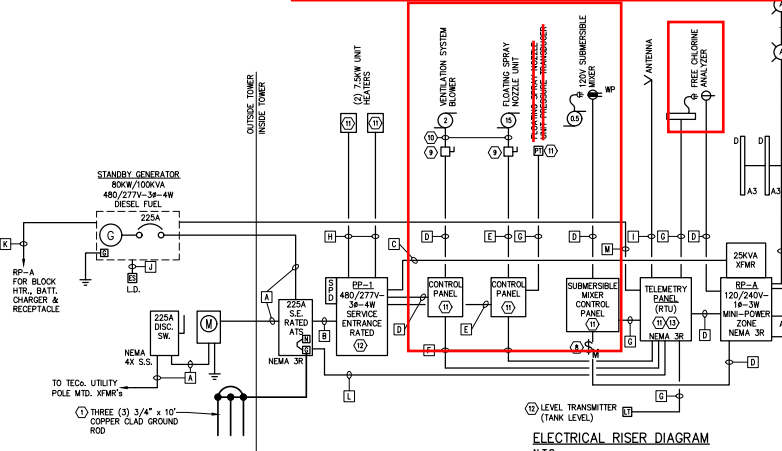


TANK SITE PLAN - ELECTRICAL
SCALE: 1" = 20'-0"



- SITE PLAN/DETAIL/RISER NOTES:**
- UNDERGROUND CONDUITS SHALL BE INSTALLED 36" BELOW GRADE, IN CLEAN SAND BACKFILL WITH UNDERGROUND CONDUIT PLASTIC WARNING TAPE INSTALLED 12" ABOVE TOP OF CONDUIT FOR THE ENTIRE LENGTH.
 - THREE (3) 3/4" x 10' COPPER GROUND RODS SPACED MINIMUM OF 6' APART, WITH EXOTHERMIC TYPE WELDED CONNECTION TO #2 BARE COPPER GROUND WIRE AND CONNECTION AS REQUIRED TO METER SOCKET, PANELBOARD AND TO CONCRETE ENCASED ELECTRODE (FOUNDATION REBAR) PER N.E.C. ARTICLE 250. COORDINATE REBAR LOCATION WITH GENERAL CONTRACTOR PRIOR TO FOUNDATION INSTALLATION. EXTEND #2 BARE COPPER GROUND WIRE WITH CONNECTION AS REQUIRED TO RISER PIPE AND TO THREE (3) LOCATIONS ON STEEL TANK 120" APART.
 - ELECTRICAL CONTRACTOR TO COORDINATE METER PEDESTAL LOCATION WITH OWNER AND WITH UTILITY. PROVIDE STAINLESS STEEL UNISTRUT TYPE SUPPORT SYSTEM WITH STAINLESS STEEL HARDWARE AS REQUIRED TO SECURELY MOUNT ELECTRICAL EQUIPMENT TO 3" GALVANIZED POSTS FOR STURDY AND STABLE SUPPORT OF EQUIPMENT. HEIGHT OF EQUIPMENT PEDESTAL NOT TO EXCEED 5'-0". ALL CONNECTIONS TO ELECTRICAL EQUIPMENT MOUNTED ON EQUIPMENT PEDESTAL TO BE MADE THROUGH THE BOTTOM OF THE DEVICE BOX. NO SIDE ENTRY TO ELECTRICAL BOXES WILL BE ACCEPTED.
 - REFER TO TANK ELEVATION AND TANK BASE PLAN ON DWG. E3 AND ELECTRICAL RISER WIRING DIAGRAM THIS DWG.
 - NEW OVERHEAD 3 PHASE UTILITY PRIMARY, PROVIDED AND INSTALLATION BY TOLEDO EDISON.
 - E.C. TO CONTACT AND COORDINATE WITH ELECTRICAL UTILITY COMPANY TOLEDO EDISON, TELEPHONE No. 800-447-3333 FOR ELECTRICAL SERVICE CONNECTION AND PROVIDE ALL EQUIPMENT AND MATERIALS REQUIRED FOR SERVICE CONNECTION PER TECO. REQUIREMENTS. E.C. TO PAY UTILITY COSTS FOR SERVICE CONNECTION.
 - 2" PVC, 4#/0 UP RISER POLE AS REQUIRED BY UTILITY COMPANY. PROVIDE WEATHERHEAD AND EXTEND CABLES A MINIMUM OF 5'-0" FOR CONNECTION BY UTILITY.
 - PROVIDE ONE (1) 120V 1-POLE MOTOR STARTER SWITCH WITH PILOT LIGHT, OVERLOAD, STAINLESS STEEL FLUSH PLATE MOUNTED IN CAST ALUMINUM BOX SIMILAR TO SQUARE-D CLASS 2510 FSP OR APPROVED EQUAL.
 - PROVIDE AND INSTALL ONE (1) 30AMP NON-FUSED DISCONNECT SWITCH IN NEMA 4X STAINLESS STEEL ENCLOSURE.
 - CABLE SUPPLIED WITH VENTILATION SYSTEM BLOWER AND FLOATING SPRAY NOZZLE UNIT SHALL BE INSTALLED BY E.C.
 - FURNISHED BY GENERAL CONTRACTOR (G.C.) AND INSTALLED BY ELECTRICAL CONTRACTOR (E.C.).
 - FURNISHED AND INSTALLED BY E.C.
 - RTU TO MATCH NORTHWESTERN WATER & SEWER DISTRICT EQUIPMENT.
 - SEE GENERATOR PAD DETAIL DWG. E1.
 - SEE GUARD POST DETAIL DWG. E1.
 - CONTRACTOR AND OWNER TO COORDINATE L.P. GAS CONNECTION TO THE GENERATOR WITH THE LOCAL GAS L.P. GAS COMPANY.
 - REFER TO DWG. E3 TANK PLAN VIEW - ELEC. POWER & CONTROLS, NOTE 17 FOR CONTINUATION OF ONE (1) EMPTY 2" PVC CONDUIT AND TWO (2) EMPTY 1" PVC CONDUIT, STUB AND CAP.
 - PROVIDE 3", RED DYED, CONCRETE ENCASUREMENT FOR CONDUITS BELOW AREAS SUBJECT TO VEHICULAR TRAFFIC AND DRIVEWAYS.
 - PROVIDE ONE (1) EMPTY 1" PVC CONDUIT WITH PULLSTRING TO HANDLE FROM WATER TANK FOR FUTURE FENCE GATE POWER, STUB AND CAP.

EQUIPMENT AND PANELS SHOWN IN BOX BELOW, SHALL BE PROVIDED AND INSTALLED BY OTHERS. CONDUITS AND WIRING SHALL BE INSTALLED BY TANK CONTRACTOR. WORK SHALL BE COORDINATED WITH OWNER.



CONDUIT FILL LEGEND:

A	4#/0-2"
B	4#/0 & 1#40-2 1/2"
C	2#6 & 1#100-3/4"
D	2#12 & 1#20-3/4"
E	2#10 & 1#100-3/4"
F	2#14-3/4" (BLOWER & PUMP RUNNING CONTACTS)
G	2" C/P16 SHLD.-3/4"
H	#12 & #120-3/4"
I	ANTENNA CABLE-2"
J	#12-3/4"
K	#12 & #120-3/4"
L	2#14 & 1#140-3/4"
M	#14 & 1#140-3/4"

Ohio Utilities Protection Service
Call 811
before you dig

NO.	DATE	DESCRIPTION
2	07/25/20	ISSUED FOR BIDS
1	05/14/20	ISSUED FOR OWNER REVIEW
NO.	DATE	DESCRIPTION
		REVISIONS

POGGEMEYER DESIGN GROUP, INC.
PLANNERS
ARCHITECTS
ENGINEERS
1188 NORTH MAIN STREET
BOWLING GREEN, OHIO 43402
(419) 352-7537

PROPOSED LEMAYNE ROAD ELEVATED TANK NORTHWESTERN WATER & SEWER DISTRICT

SITE PLAN ELECTRICAL

DESIGNED BY: JGM / MAK
REVISION

E2
OF

JOB NUMBER: 313700-00397



Mail Processing Center
 Federal Aviation Administration
 Southwest Regional Office
 Obstruction Evaluation Group
 10101 Hillwood Parkway
 Fort Worth, TX 76177

Aeronautical Study No.
 2020-AGL-18930-OE
 Prior Study No.
 2019-AGL-6005-OE

Issued Date: 11/18/2020

Thomas Stalter
 Northwestern Water and Sewer District
 12560 Middleton Pike
 Bowling Green, OH 43402

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure: Water Tank Lemoyne Road
 Location: Perrysburg, OH
 Latitude: 41-32-13.00N NAD 83
 Longitude: 83-28-20.10W
 Heights: 627 feet site elevation (SE)
 156 feet above ground level (AGL)
 783 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part 1)
- Within 5 days after the construction reaches its greatest height (7460-2, Part 2)

Based on this evaluation, marking and lighting are not necessary for aviation safety. However, if marking/lighting are accomplished on a voluntary basis, we recommend it be installed in accordance with FAA Advisory circular 70/7460-1 M.

This determination expires on 05/18/2022 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.
- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates, heights, frequency(ies) and power. Any changes in coordinates, heights, and frequencies or use of greater power, except those frequencies specified in the Colo Void Clause Coalition; Antenna System Co-Location; Voluntary Best Practices, effective 21 Nov 2007, will void this determination. Any future construction or alteration, including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA. This determination includes all previously filed frequencies and power for this structure.

If construction or alteration is dismantled or destroyed, you must submit notice to the FAA within 5 days after the construction or alteration is dismantled or destroyed.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

If we can be of further assistance, please contact our office at (847) 294-7575, or vivian.vilaro@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2020-AGL-18930-OE.

Signature Control No: 450765228-456988786

(DNE)

Vivian Vilaro
Specialist

Attachment(s)
Map(s)

TOPO Map for ASN 2020-AGL-18930-OE

