

RESOLUTION APPROVING THE DETAILED CONSTRUCTION PLANS FOR THE PALMER AVENUE TANK REHABILITATION PROJECT, ASHTABULA TOWNSHIP

WHEREAS, Doug Starkey, Director of the Ashtabula County Department of Environmental Services, has presented detailed construction plans prepared by CT Consultants, for the Palmer Avenue Tank Rehabilitation Project located in Ashtabula Township:

WHEREAS, The project description is as follows:

The project consists of rehabilitating the Palmer Ave. Water Tank, painting interior and exterior of tank, installing a new generator, along with general tank repairs and valve replacement, and is located at an existing tank site in Ashtabula County, near 2501 State Road, Ashtabula Township, Ohio.

WHEREAS, Doug Starkey, Director of ACDES, recommends approval of these plans; now

THEREFORE, BE IT RESOLVED, by the Board of County Commissioners of the County of Ashtabula, Ohio, that:

Section 1. The detailed construction plans for the Palmer Avenue Tank Rehabilitation Project in Ashtabula Township is hereby approved.

Section 2. Those detailed plans shall be filed in the office of the Ashtabula County Sanitary Engineer, in the Department of Environmental Services and kept continuously on file there for inspection by all persons interested therein.

Section 3. This Board finds and determines that all formal actions of this Board concerning and relating to the adoption of this resolution were taken in an open meeting of the Board and all deliberations of this Board and of any of its committees that resulted in those formal actions were in meetings open to the public.

**ASHTABULA COUNTY COMMISSIONERS
CERTIFICATION PAGE**

Resolution No. 2023-449

September 07, 2023

**RESOLUTION APPROVING THE DETAILED CONSTRUCTION PLANS FOR THE
PALMER AVENUE TANK REHABILITATION PROJECT, ASHTABULA TOWNSHIP**

Upon the motion of J.P. Ducro IV, seconded by Kathryn L. Whittington.

VOTE:

Casey R. Kozlowski
Kathryn L. Whittington
J.P. Ducro IV

Aye
Aye
Aye

CERTIFICATE OF CLERK

IT IS HEREBY CERTIFIED that the foregoing is a true and correct transcript of a resolution acted upon and duly passed by the Board of County Commissioners of Ashtabula County, Ohio, on the date noted above.



Lisa Hawkins, Clerk of the Board
Board of County Commissioners
Ashtabula County, Ohio

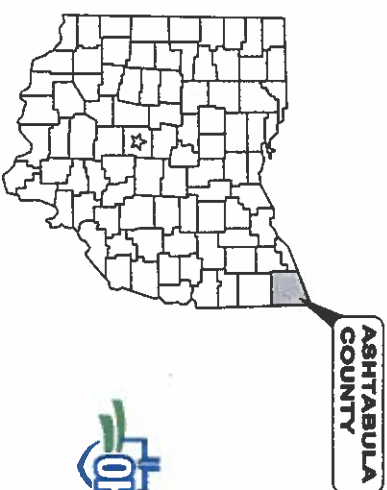
ASHTABULA COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES PALMER AVENUE TANK REHABILITATION PROJECT

ASHTABULA TOWNSHIP, OHIO



ASHTABULA COUNTY APPROVALS:

 **KATHRYN J. WHITTINGTON, COUNTY COMMISSIONER**
 DATE: 9-7-23
 **CASEY R. KOZLOWSKI, COUNTY COMMISSIONER**
 DATE: 9-7-23
 **J. D. SCHROEDER, COUNTY COMMISSIONER**
 DATE: 9-7-23



AUGUST 2023



LOCATION MAP
NOT TO SCALE



ENGINEER'S PROJECT No. 230155

OWNER:


 DOUGLAS G. SWEENEY, DIRECTOR
 DATE: 9-1-2023

OFFICE:

ENVIRONMENTAL SERVICES
36 W. WALNUT STREET
JEFFERSON, OHIO 44047

DEPARTMENTS:

WATER & SEWER DEPARTMENT
(440) 576-3722 PHONE
(440) 576-3781 FAX

ENGINEER:


CT CONSULTANTS, INC.
8150 STERLING COURT
MENTOR, OH 44060
(440) 951-9000 PHONE
(440) 951-7487 FAX

PROJECT SITE:

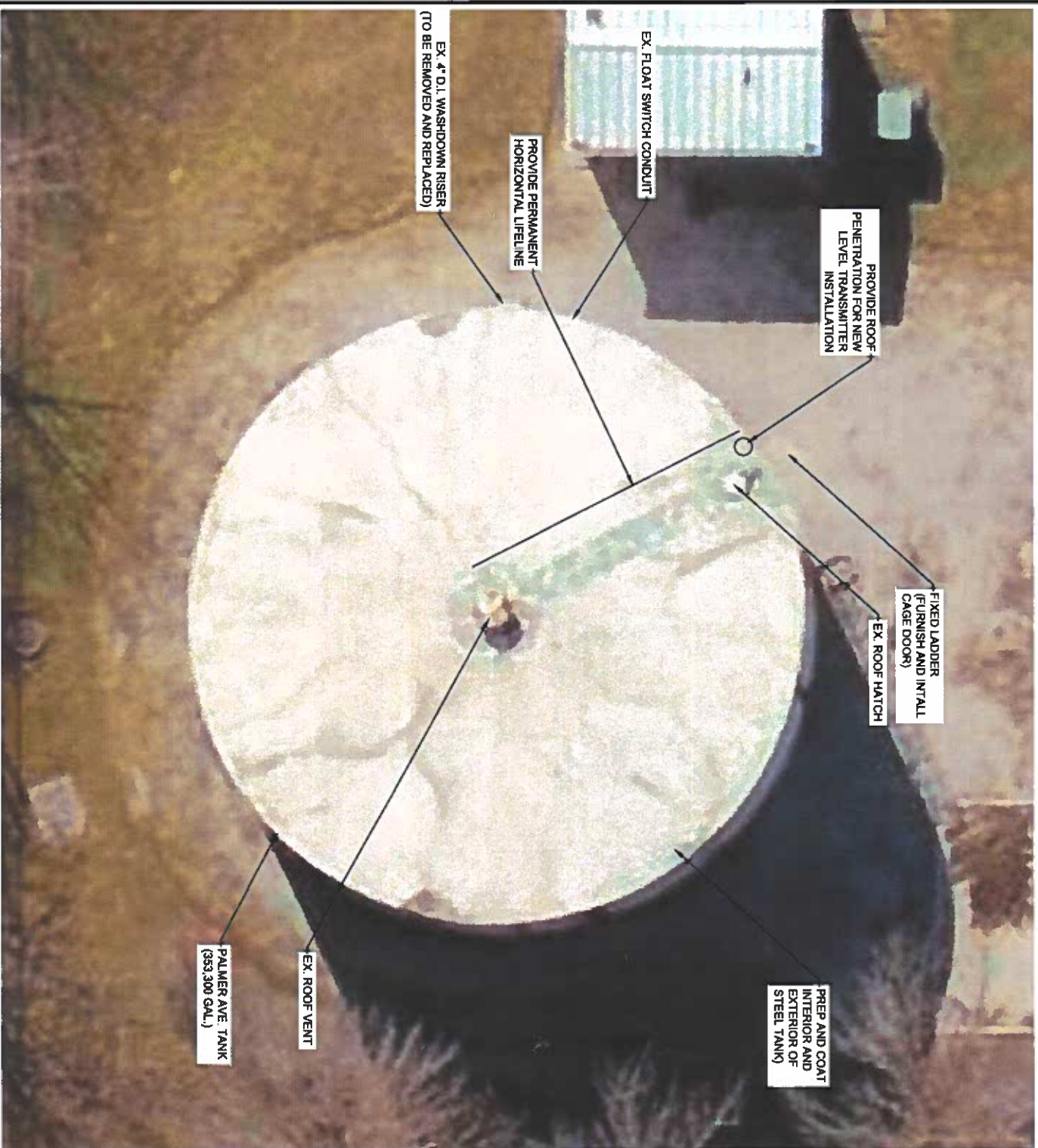
THE PROJECT IS LOCATED AT AN EXISTING TANK SITE IN ASHTABULA COUNTY, OHIO. THE TANK IS LOCATED NEAR 2501 STATE ROAD, ASHTABULA TOWNSHIP, OHIO.


 RYAN SCHUSTER
 P.E. No. 72755
 DATE: 8/31/23



ASHTABULA COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES PALMER AVENUE TANK REHABILITATION ASHTABULA COUNTY ASHTABULA, OHIO		REVISIONS DATE
SHEET NO. 1 OF 14	PROJECT NO. 230155 SHEET TITLE: CB-1	REVISIONS DATE
TITLE SHEET		

CT CONSULTANTS, INC. 11000 STATE ROAD, MENTOR, OHIO 44060

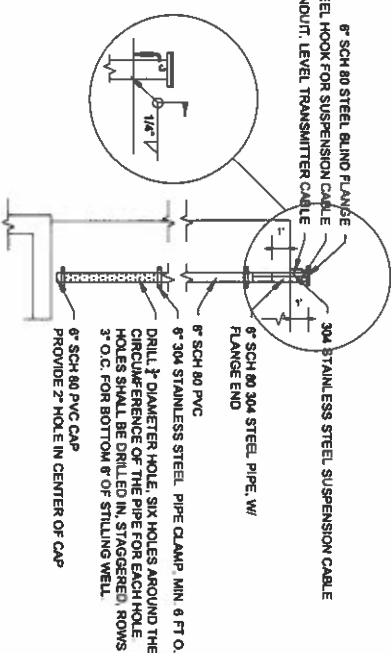


NOTES:
 INCLUDES THE REHABILITATION OF EXISTING STEEL TANK THAT IS USED FOR WASTEWATER STORAGE WITH THE SANITARY COLLECTION SYSTEM DURING WET WEATHER FLOWS. THE EXISTING TANK IS A STEEL TANK WITH A DIAMETER OF 52 FT. WITH AN OVERFLOW ELEVATION OF 22 FT.
 OWNER SHALL FLUSH TANK OF WASTEWATER PRIOR TO CONTRACTOR MOBILIZATION TO THE SITE. THE CONTRACTOR SHALL PROVIDE OWNER A 48 HOUR NOTICE PRIOR TO MOBILIZATION.
 CONTRACTOR SHALL PREPARE INTERIOR AND EXTERIOR SURFACES BY SSP-C-SP10 NEAR WHITE BLAST. CONTRACTOR SHALL NOTIFY THE ENGINEER AND OWNER OF ANY DEFICIENCIES IN THE STEEL WITH THE COMPLETION OF THE BLASTING ACTIVITY.
 THERE ARE TWO 24\"/>

CONTRACTOR SHALL REMOVE LOOSE GROUT BETWEEN THE STEEL, BASEFLATE AND CONCRETE FOUNDATION REPAIR WITH NON-SHRINK GROUT AFTER THE NON-SHRINK GROUT HAS CURED. THE PROPOSED COATING SHALL BE EXTENDED OVER THE GROUT AND EXPOSED CONCRETE.
 CONTRACTOR SHALL FURNISH AND INSTALL PERMANENT NEW HORIZONTAL LIFELINE ON ROOF OF STEEL TANK FROM EXISTING ROOF HATCH TO VENT LIFELINE SHALL BE STAINLESS STEEL AND MEET OSHA CRITERIA WITH A 2 TO 1 SAFETY FACTOR DESIGNED FOR A COMPLETE PERSONAL FALL PROTECT THE TANK AND COATING.
 CONTRACTOR SHALL FURNISH AND INSTALL A NEW FIXED STEEL CAGE DOOR ATTACHED TO THE BOTTOM OF THE CAGE BY A HINGE DOOR SHALL BE LOCKABLE.
 CONTRACTOR SHALL REMOVE AND REPLACE THE EXISTING 4\"/>

CONTRACTOR SHALL CUT NEW HOLE IN THE TOP OF THE TANK ROOF FOR THE INSERTION OF A NEW LEVEL TRANSDUCER. REFER TO SUBMERSIBLE LEVEL/PRESSURE TRANSDUCER INSTALLATION DETAIL. WELD NEW 3\"/>

CONTRACTOR SHALL COORDINATE WORK EFFORT TO THE INTERIOR OF THE WATER STORAGE TANK WITH THE COUNTY.



- NOTES:**
1. CONTRACTOR SHALL PROVIDE LEVEL TRANSDUCER AT THE BOTTOM OF THE 6\"/>

SUBMERSIBLE LEVEL/PRESSURE TRANSDUCER INSTALLATION DETAIL



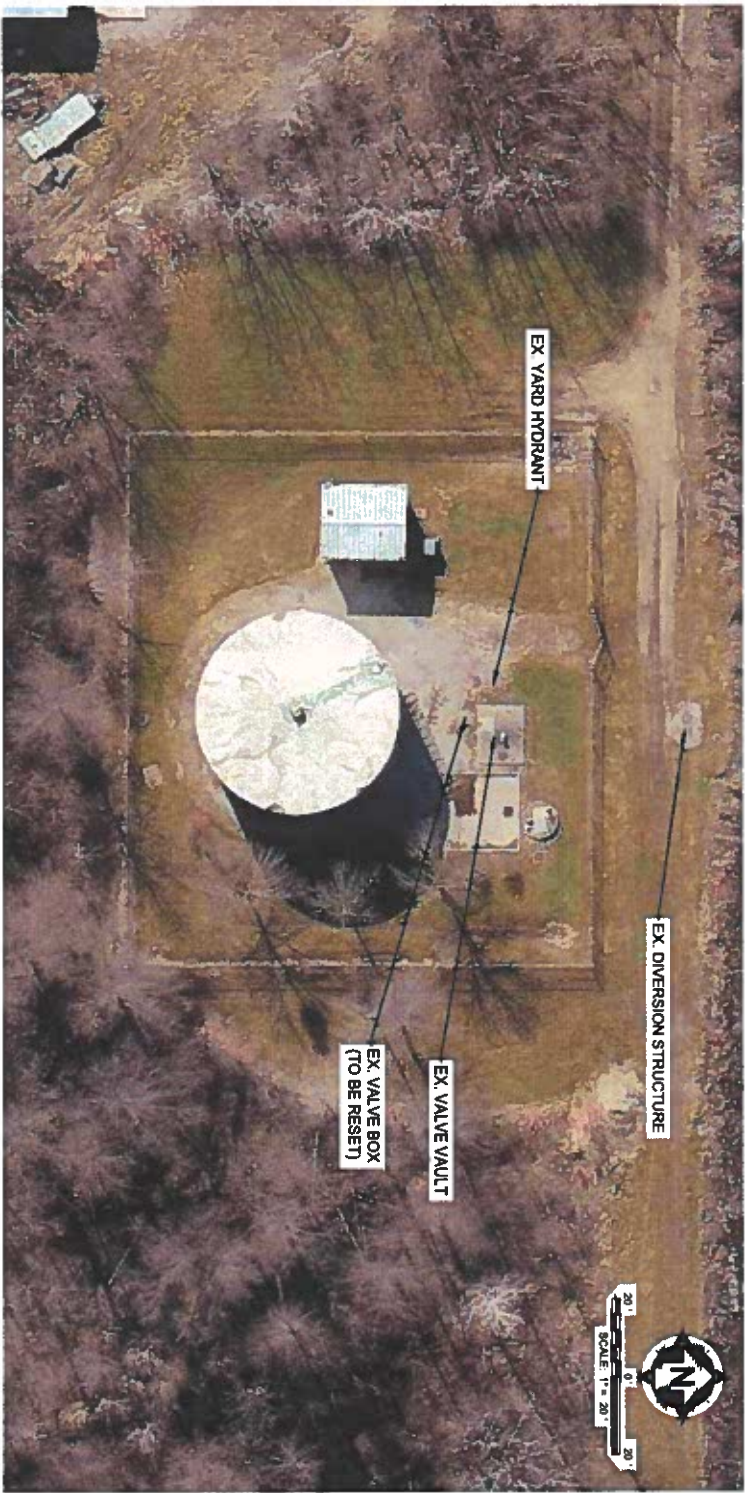
ISSUED FOR:		REVISIONS	
REV.	DESCRIPTION	DATE	

ASHTABULA COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES
PALMER AVENUE TANK REHABILITATION
 ASHTABULA COUNTY ASHTABULA, OHIO

TANK REHABILITATION DETAILS

PROJECT NO: 230155
 CONTRACT: 230155

SHEET 4 OF 14



NOTES:

REPLACE EXISTING 14" PLUG VALVE

CONTRACTOR SHALL REMOVE AND REPLACE TWO EXISTING 14" PLUG VALVES AND ELECTRIC ACTUATOR LOCATED WITHIN THE EX. DIVERSION STRUCTURE.

TWO NEW 14" PLUG VALVES SHALL BE FURNISHED AND INSTALLED WITH NEW ELECTRIC ACTUATOR.

REPLACE EXISTING DIVERSION STRUCTURE LEVEL SENSOR

CONTRACTOR SHALL REMOVE THE EXISTING LEVEL SENSOR IN ITS ENTIRETY. A NEW LEVEL TRANSDUCER AND STILLING WELL SHALL BE CONSTRUCTED WITHIN THE DIVERSION CHAMBER. STILL WELL SHALL BE A 6" SCH 80 304 STAINLESS STEEL PIPE.

STILLING WELL SHALL HAVE 3" DIAMETER HOLES DRILLED INTO THE PIPE 3" FROM THE BOTTOM OF THE STILLING. SIX HOLES AROUND THE CIRCUMFERENCE OF THE PIPE FOR EACH ROW. HOLES SHALL BE DRILLED IN STAGGERED. 3 HOLES 6" SCH 80 304 STAINLESS STEEL SHALL BE DRILLED IN THE DIVERSION CHAMBER. 3 HOLES 6" SCH 80 304 STAINLESS STEEL OF THE CAP LEVEL TRANSDUCER SHALL BE CONNECTED TO THE MOC WITHIN THE EX. GENERATOR BUILDING.

REPLACE EXISTING 6" PINCH VALVE

CONTRACTOR SHALL REMOVE AND REPLACE THE EXISTING 6" PINCH VALVE AND ELECTRIC ACTUATOR LOCATED WITHIN THE EX VALVE VULT.

A NEW 6" PINCH VALVE SHALL BE FURNISHED AND INSTALLED WITH NEW ELECTRIC ACTUATOR.

YARD HYDRANT REPLACEMENT

CONTRACTOR SHALL REMOVE AND REPLACE THE EXISTING YARD HYDRANT AND CONCRETE PAD. THE CONTRACTOR SHALL FINISH AND INSTALL A NEW SET POINT FOR ALL EXISTING YARD HYDRANTS. EXISTING YARD HYDRANTS SHALL BE SELF DRAINING, NON-FREEZING, AND SERVICEABLE FROM ABOVE GROUND.

CONCRETE PAD SHALL BE REPLACED WITH NEW 6" CONCRETE PAD. FINISH GRADE SHALL BE SET 2" ABOVE EXISTING GRADE.

VALVE BOX RESET

CONTRACTOR SHALL REMOVE THE EXISTING CONCRETE PAD AND EXCAVATE THE EXISTING VALVE BOX. CONCRETE PAD SHALL BE REPLACED WITH NEW 6" CONCRETE PAD. 4'x4' IN DIMENSIONS. 6" OF 304 AGGREGATE SHALL BE COMPACTED UNDER THE NEW PAD. FINISH GRADE SHALL BE SET 2" ABOVE EXISTING GRADE.

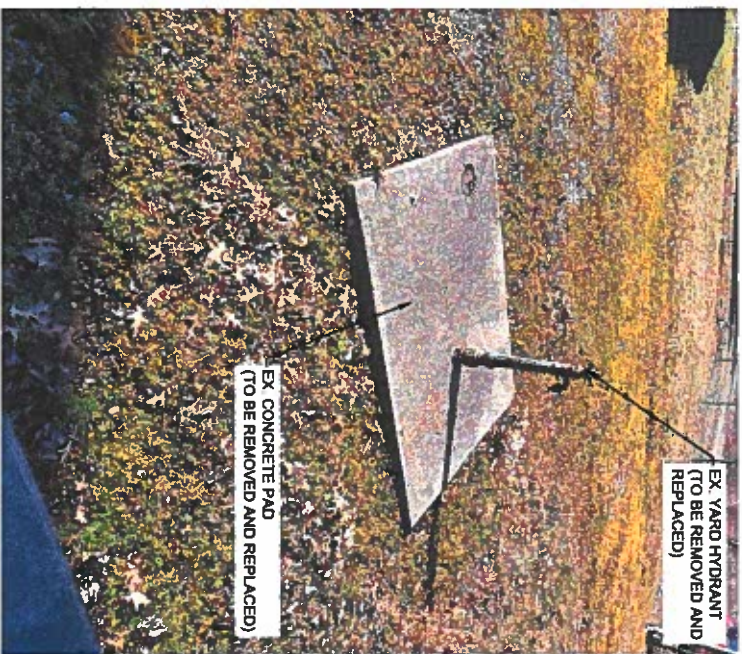


PHOTO 4 - PALMER AVE. TANK
EX YARD HYDRANT



PHOTO 6 - PALMER AVE. TANK
VALVE VULT

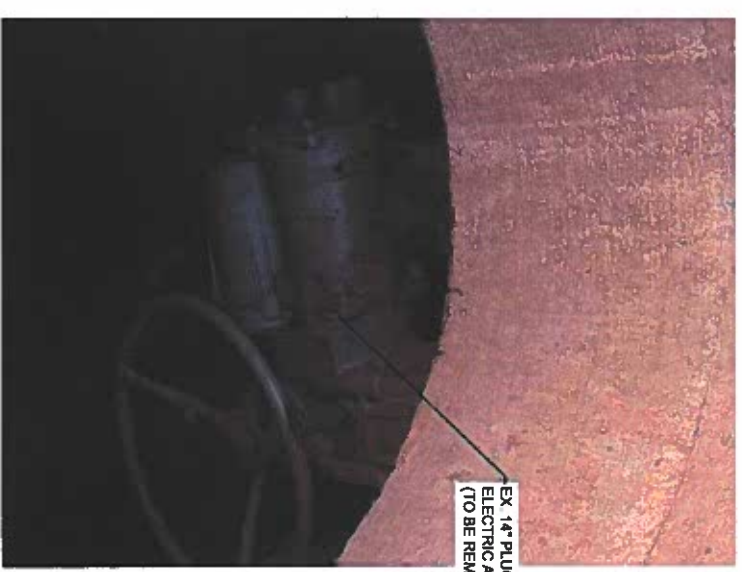
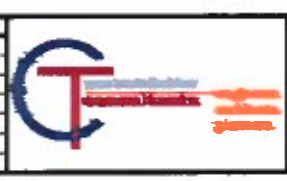


PHOTO 8 - PALMER AVE. TANK
VALVE VULT

ASHTABULA COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES
PALMER AVENUE TANK REHABILITATION
 ASHTABULA COUNTY ASHTABULA, OHIO

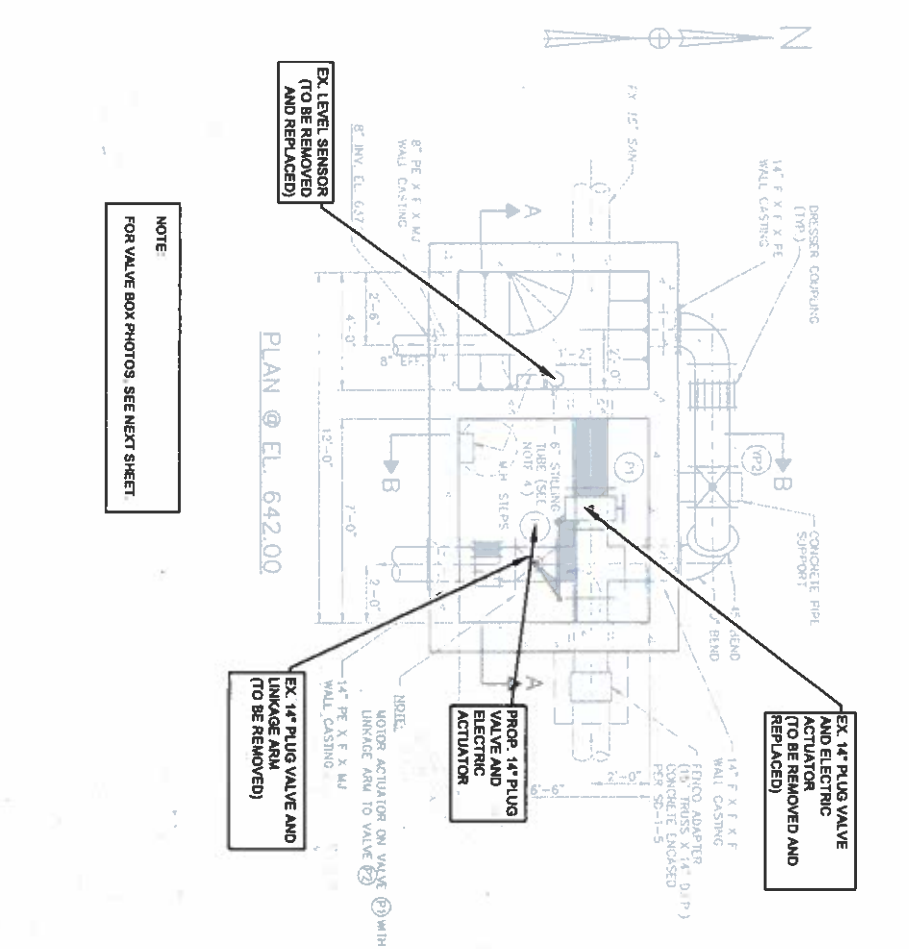
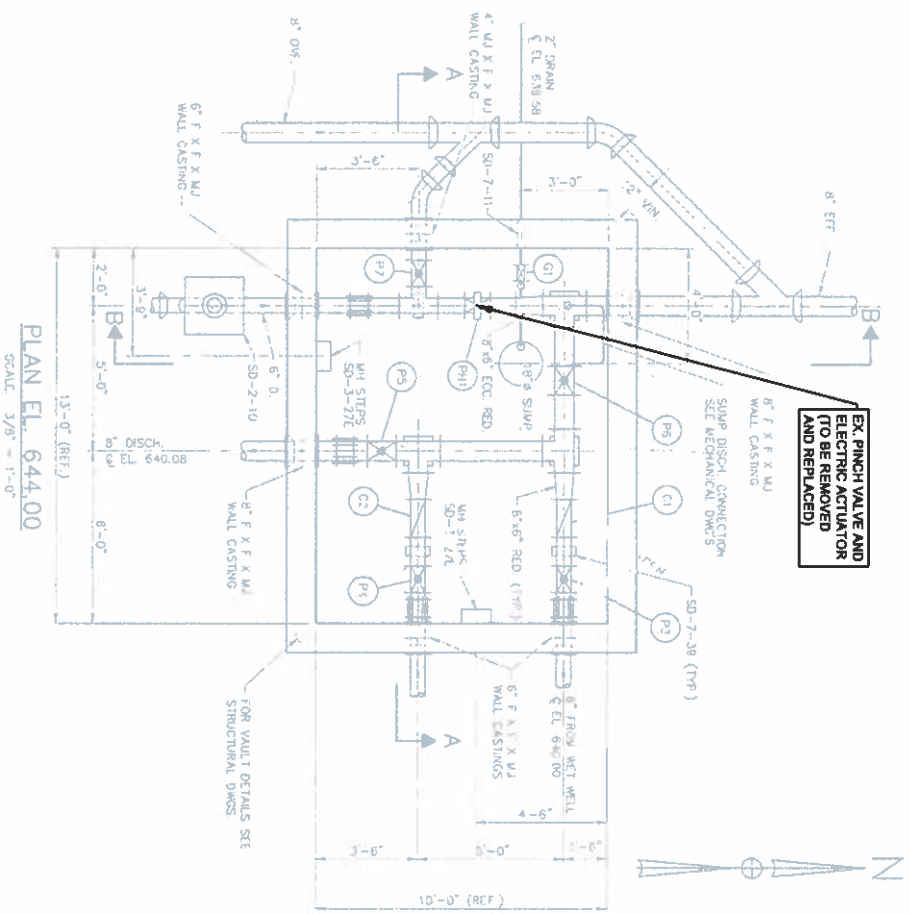
TANK REHABILITATION DETAILS

ISSUED FOR:	REVISIONS	DATE
EPA APPROVAL	REV DESCRIPTION	
ISSUE DATE:		
SCALE: NSI		
DESIGNED BY: RBS		
DRAWN BY: BEK		
CHECKED BY: RBS		

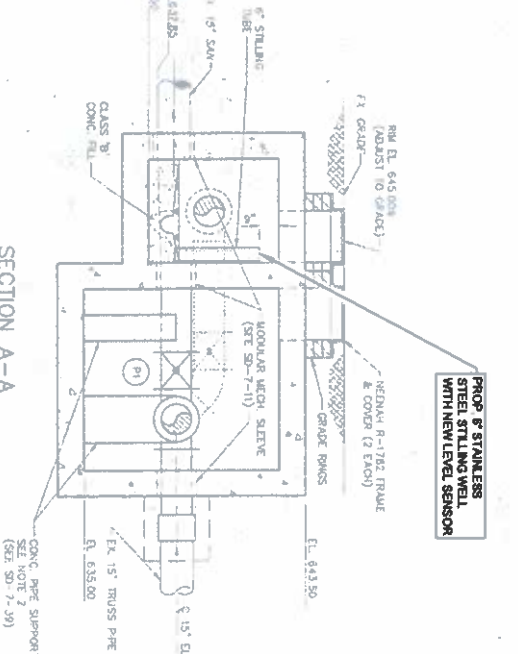
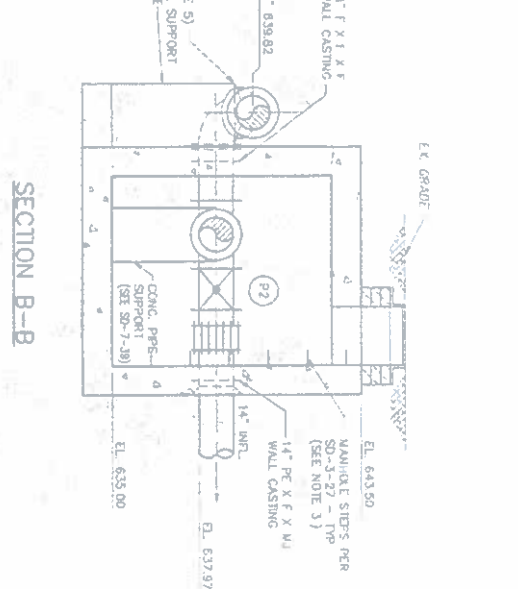
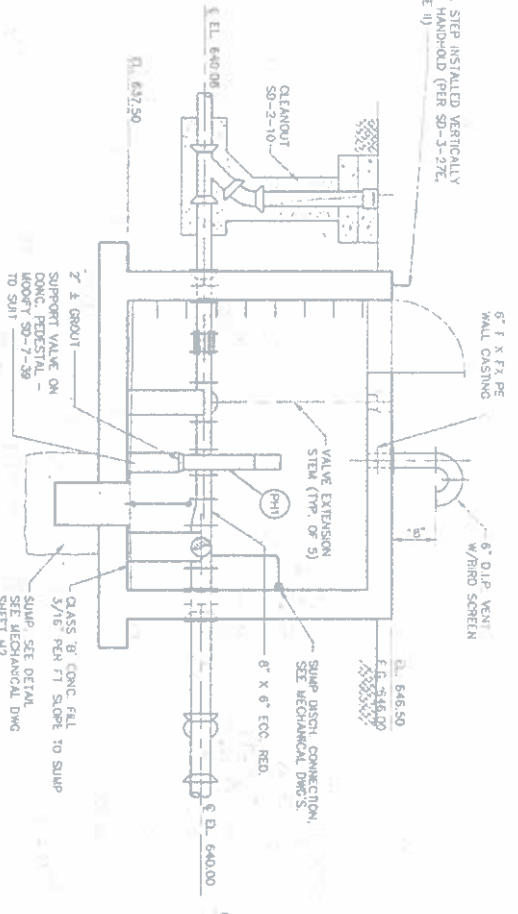


PROJECT NO.	2307155
DATE	08/14/2024
SHEET	8
OF	14

DATE PLOTTED: 08/14/2024 10:00:00 AM. PLOTTER: HP DesignJet T1100e. PLOT SCALE: 1" = 20'



NOTE
FOR VALVE BOX PHOTOS SEE NEXT SHEET



VALVE VAULT

DIVERSION CHAMBER

DIVERSION CHAMBER PLAN & SECTIONS

ASHTABULA COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES
PALMER AVENUE TANK REHABILITATION
 ASHTABULA COUNTY ASHTABULA, OHIO

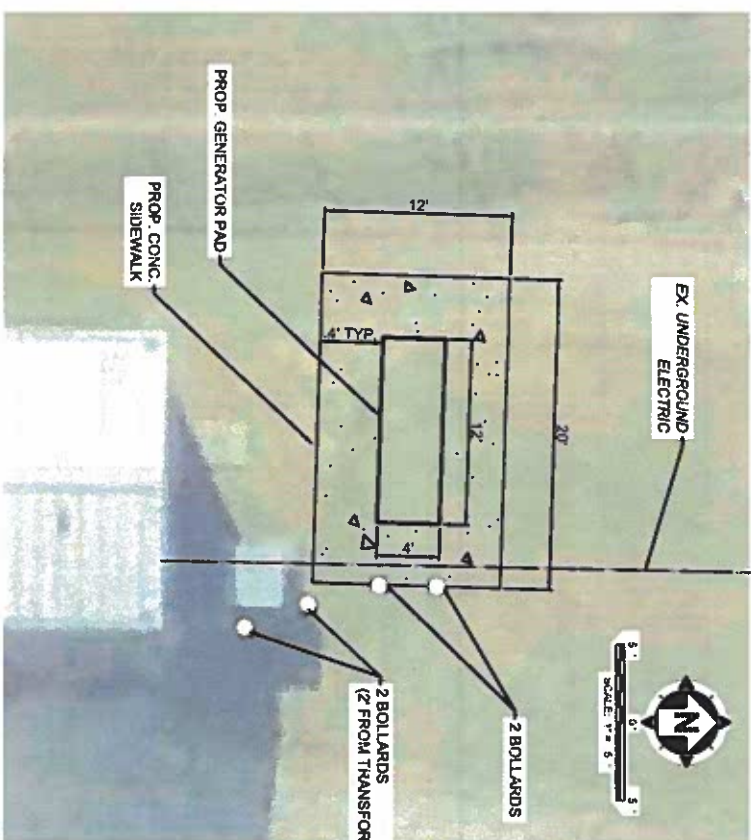
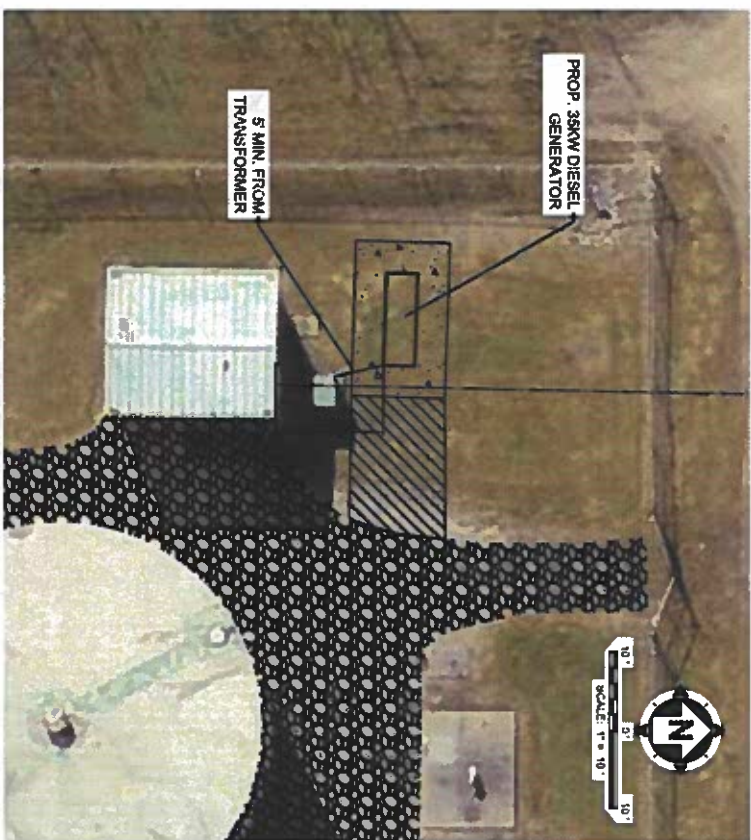
TANK REHABILITATION DETAILS

ISSUED FOR:	REVISION	DATE
EPA APPROVAL	REV.	DESCRIPTION
ISSUE DATE:		

SCALE: N/A
 DESIGNED BY: RSB
 DRAWN BY: RBK
 CHECKED BY: RBS

PROJECT NO.	230155
DATE	REVISION
7	14

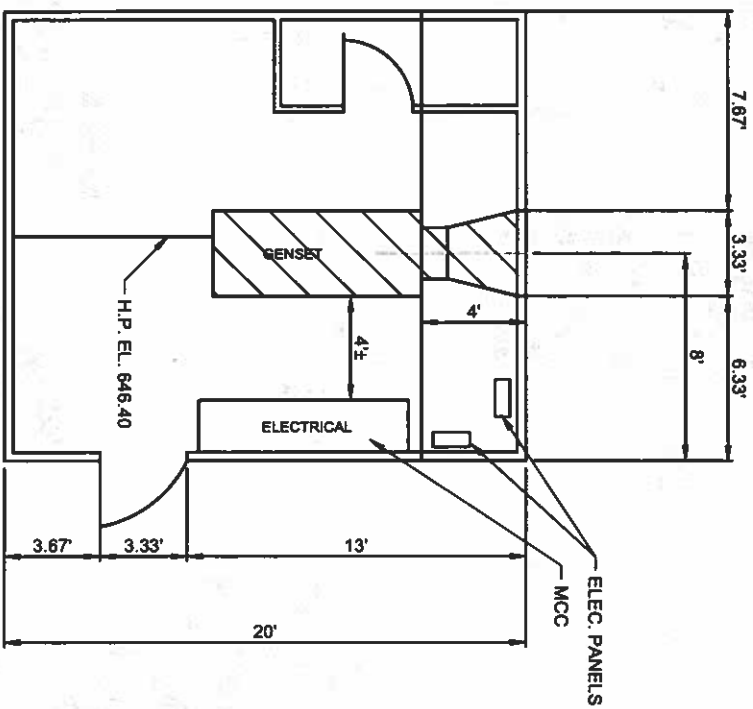
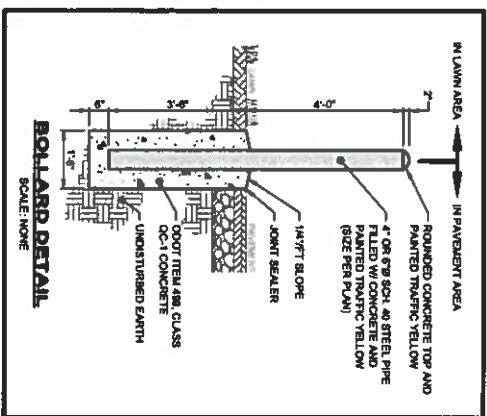




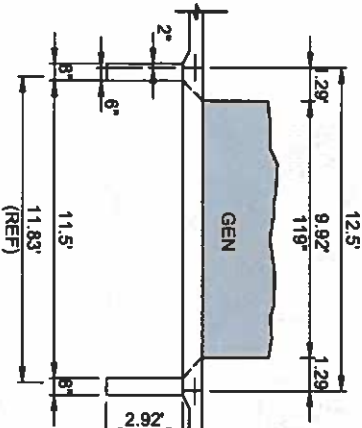
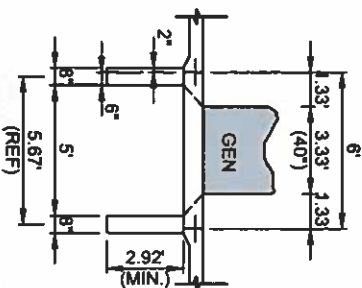
NOTES:

CONTRACTOR SHALL REMOVE THE EX. GENERATOR, CONTROL PANEL, DUCTWORK, EXHAUST PIPING, AND APPURTENANCES INSIDE THE EX. GENERATOR BUILDING. THE EXISTING AUTOMATIC TRANSFER SWITCH SHALL REMAIN. CONTRACTOR TO INTERFACE THE EXISTING AUTOMATIC TRANSFER SWITCH TO THE NEW GENERATOR CONTROL. THE CONCRETE PAD SHALL BE REMOVED IN ITS ENTIRETY AND A NEW 8" THICK CONCRETE PAD SHALL BE POURED FLUSH WITH THE EXISTING FLOOR. #4 REBAR SHALL BE DRILLED INTO THE EXISTING FLOOR, 2" O.C. A MINIMUM OF 8" EMBEDMENT INTO EXISTING AND PROPOSED CONCRETE.

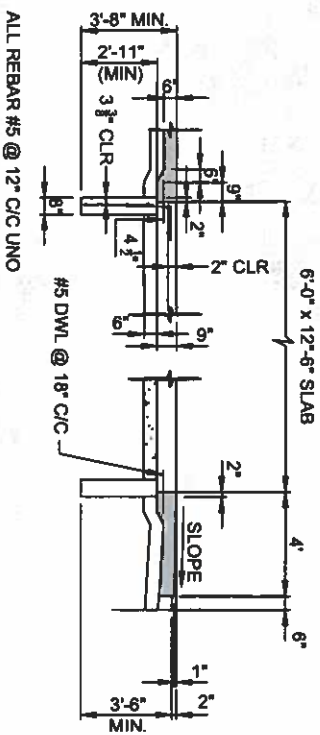
CONTRACTOR TO REMOVE EXISTING BOLLS AS SHOWN IN DRAWINGS FOR EX. GENERATOR. THE WALL CONTACT WITH EX. TRANSFORMER SHALL BE REMOVED. CONTRACTOR SHALL PLACE METALLIC-COATED STEEL SHEET OVER THE OPENING. INTERIOR AND EXTERIOR. METALLIC-COATED STEEL SHEET SHALL BE ZINC COATED (GALVANIZED). STEEL SHEET COMPLYING WITH ASTM A483, G90 COATING DESIGNATION, OR ALUMINUM ZINC ALLOY-COATING DESIGNATION, STRUCTURAL QUALITY. PREPARED BY THE COIL-COATING PROCESS TO COMPLY WITH ASTM A755. NOMINAL THICKNESS SHALL BE 0.0040 INCH. EXTERIOR FINISH SHALL CONSIST OF A TWO-COAT FLUOROPOLYMER. COLOR TO MATCH EXISTING COLOR. A SILICON SEALANT SHALL BE PROVIDED AT ALL JOINTS.



FLOOR PLAN
NOT TO SCALE



T/SLAB



DIESEL GENERATOR FOUNDATION DETAIL
NOT TO SCALE

ASHTABULA COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES
PALMER AVENUE TANK REHABILITATION

ASHTABULA COUNTY ASHTABULA, OHIO

TANK REHABILITATION DETAILS

ISSUED FOR:	REV	DESCRIPTION	REVISION	DATE
EPA APPROVAL				
ISSUE DATE:				
SCALE:	N/A			
DESIGNED BY:	RBS			
DRAWN BY:	RBS			
CHECKED BY:	RBS			



PROJECT NO.	230155
DATE:	
SHEET NO.	9
TOTAL SHEETS	14



PHOTO 11 - PALMER AVE. TANK
PROP. GENERATOR SITE

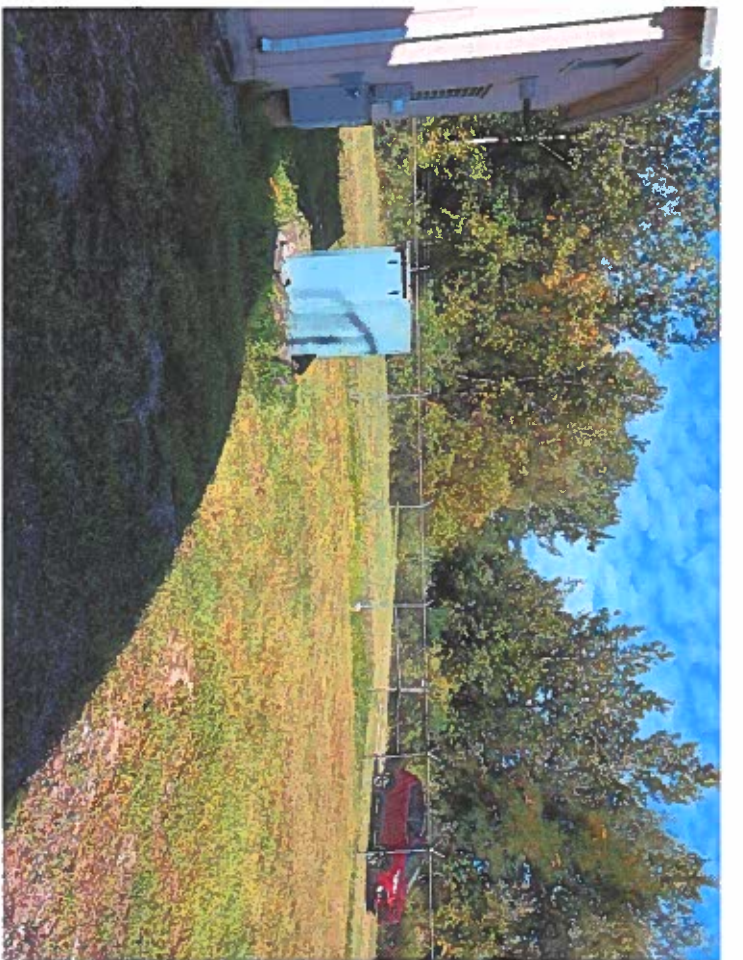


PHOTO 12 - PALMER AVE. TANK
PROP. GENERATOR SITE

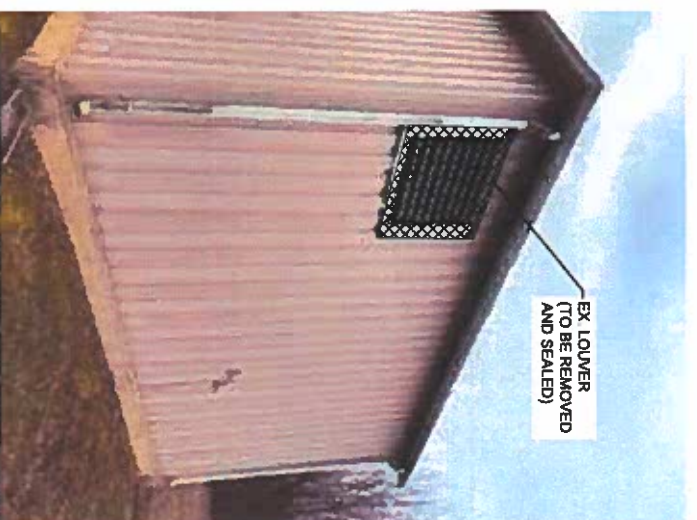


PHOTO 13 - PALMER AVE. TANK
WEST ELEVATION OF EX. GENERATOR BUILDING

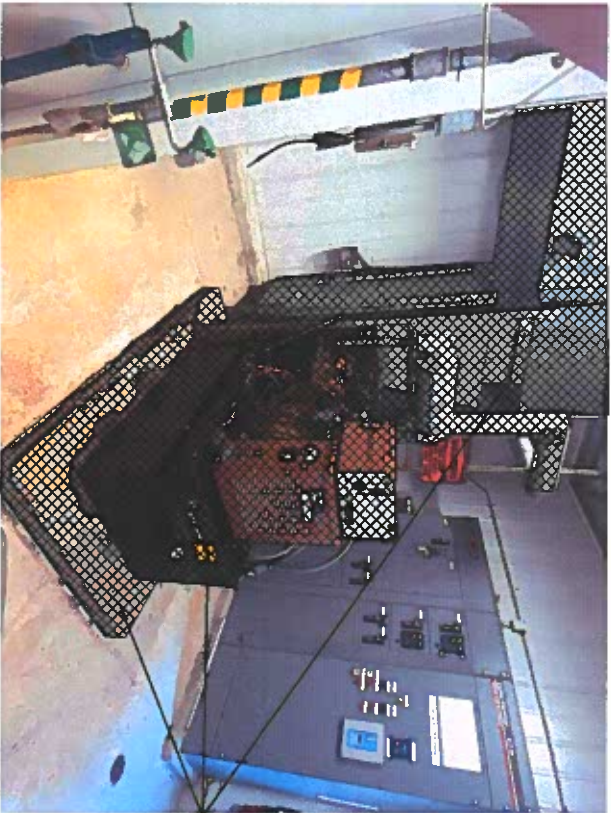


PHOTO 9 - PALMER AVE. TANK
EXISTING GENERATOR

EX. GENERATOR DUCTS,
EXHAUST PIPING, CONTROL
PANEL, AND ALL APPURTENANCES
TO BE REMOVED



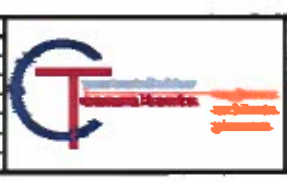
PHOTO 10 - PALMER AVE. TANK
EXISTING GENERATOR

\\ashtabulacounty\ashtabulacounty\2014\2014\20140927\20140927.dwg

ASHTABULA COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES
PALMER AVENUE TANK REHABILITATION
ASHTABULA COUNTY ASHTABULA, OHIO

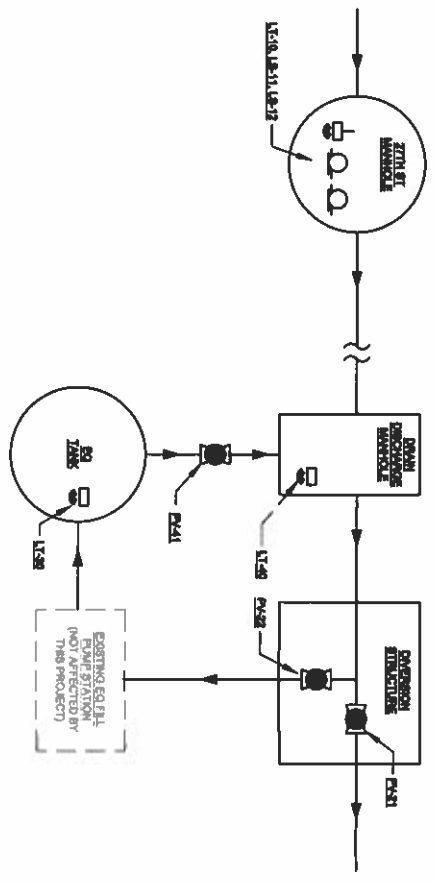
ISSUED FOR:		REVISIONS	
REV	DESCRIPTION	DATE	

SCALE: N/A
DESIGNED BY: RSB
DRAWN BY: BEK
CHECKED BY: RSB

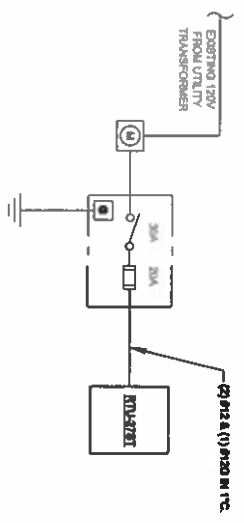


PROJECT NO.	2301155
DRAWING NO.	Detail 7
SHEET NO.	10
TOTAL SHEETS	14

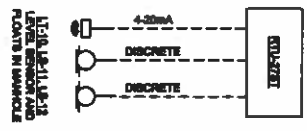
TANK REHABILITATION DETAILS



FLOW CONTROL DIAGRAM
 N.T.A. MANUAL STAINS FROM NOT SHOWN



27TH ST MONITORING MANHOLE SINGLE LINE DIAGRAM
 N.T.A.



SEE GENERAL NOTE
 - SEE PLANS FOR
 - SEE CHASE (SEE PLAN FOR EQU.)
 - (2) #4

27TH ST MONITORING MANHOLE I&C INTERCONNECTION DIAGRAM
 N.T.A.

PROJECT: PALMER AVENUE TANK REHABILITATION, JOB NO. 238195, SHEET NO. 13 OF 14

ASHTABULA COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES
PALMER AVENUE TANK REHABILITATION
 ASHTABULA COUNTY ASHTABULA, OHIO

PROJECT NO.	238195
SHEET NAME	ED-1
DATE	13 14

ISSUED FOR:	REV	DESCRIPTION	DATE
EPA APPROVAL			
ISSUE DATE			

SCALE:	N/A
DESIGNED BY:	RES
DRAWN BY:	SEX
CHECKED BY:	RES



SINGLELINE DIAGRAM

