



JEF-7-30.92 (PID 110889)

Regulated Materials Review

June 21, 2023



The environmental review, consultation, and other actions required by applicable Federal environmental laws for this project are being, or have been, carried-out by ODOT pursuant to 23 U.S.C. 327 and a Memorandum of Understanding dated December 14, 2020, and executed by FHWA and ODOT.

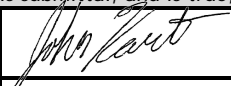
RMR SCREENING SUMMARY

July 2022

GENERAL INFORMATION

Project C-R-S / Name:	JEF-007-30.92	PID:	110889	District:	11
Brief Project Description:	Complete replacement of structure SFN 4101561 carrying State Route 7 over a coal conveyor belt.				
Report Author(s):	John Korth				
Affiliation:	Consultants – Lawhon & Associates				

CERTIFICATION *(Must be acknowledged by Prequalified Individual)*

<input checked="" type="checkbox"/>	I certify that I have personally examined and am familiar with the information in this document and all attachments, and that the data collection was supervised by an individual(s) prequalified to conduct the RMR for ODOT or by trained ODOT Environmental staff. Based on my inquiry of those persons immediately responsible for obtaining the information contained herein, I believe that the information has been collected in accordance with the ODOT RMR Manual current at the time of this submittal, and is true, accurate, and complete.				
Name:	John Korth	Signature:			
Title:	Project Manager	Date:	6/16/2023		
Email:	jkorth@lawhon-assoc.com	Phone Number:	(614) 481-8600		

BLOCK 1

1a:	Does Permanent right-of-way (ROW) need to be obtained for the Project?	Yes
1b:	Will the Project involve excavations greater than 6 feet deep (excluding projects which only include signal pole installation)?	No
1c:	Is the Project on the 513 Exemption listed?	No
1d:	Is the Project within 300-feet of a landfill?	No
<ul style="list-style-type: none"> • If answer to Questions 1a and/or 1b are Yes or UNKNOWN, skip Questions 1c and 1d and continue to Block 2. • If answer to Questions 1a and 1b are NO and 1c is YES - Stop Here. Project is exempt from further evaluation. Complete through Block 1 as documentation of the RMR Screening and upload the RMR Screening Summary Sheet (this form). • If answer to 1a, 1b and 1c are NO, conduct a Landfill Specific ORPS. • If answer to 1d is NO, complete through Block 1 as documentation of the RMR Screening and upload the RMR Screening Summary Sheet (this form), Landfill Specific map and Summary ORPS to EnviroNet. Project is exempt from further evaluation. • If answer to 1d is YES, complete through Block 1 as documentation of the RMR Screening and upload the RMR Screening Summary Sheet (this form) and Landfill Specific map and Summary ORPS to EnviroNet. Send Project to OES for Rule 513 determination. 		

BLOCK 2 - COMPLETE FULL ORPS AND PROPERTY INVENTORY

Complete Columns 1-6 of the "Property Inventory: Properties Within or Abutting" and (if applicable) Complete "Remote Property Inventory" tables.
--

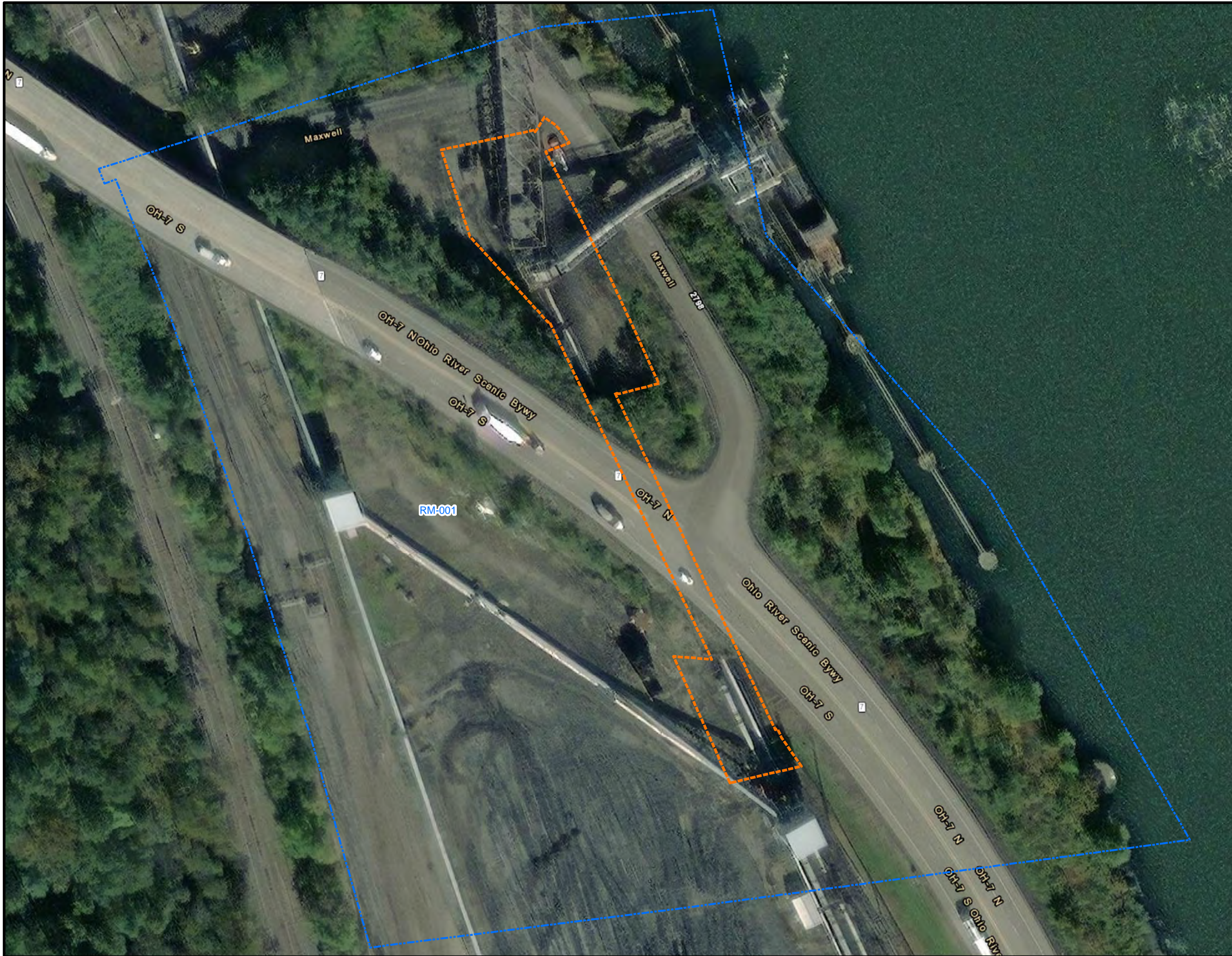
BLOCK 3 - INITIATE PROJECT SCREENING

Are all Properties within the Project Limits Exempt OR have no Take and no Deep Excavation; AND Project is not with 300 feet of a Landfall and/or there are no Remote Properties identified in ORPS Listing?	No
If the answer is YES - Upload this Form and attachments to EnviroNet; the Project is considered Exempt from further evaluation for Regulated Materials. If the answer is No or Unknown - Complete the Property Inventory (Columns 7-10).	

PROPERTY INVENTORY: PROPERTIES WITHIN OR ABUTTING PROJECT LIMITS



Property Inventory: Properties Within or Abutting Project Limits														
Column 1			Column 2		Column 3	Column 4	Column 5	Column 6			Column 7		Column 8	Column 9
ODOT / RMR Property ID#	Tenant / Owner Name	Property Street Address	Current Land Use	Current or Past RM Concern Noted during Review?	Select RCRA ORPS Listing(s). (Check all that apply.)	Select ORPS Listing(s). (Check all that apply.)	What Is the determined Land Use Risk based on Columns 2, 3 and 4	Total or Partial Take?	Is There Demolition?	Is There Deep Excavation?	Is the Property Likely Impacted by RM?	Is Property RM Likely Encountered in Construction?	Action Result?	Comments
RM-001	First Energy Generation	SR-7	Industrial	Yes Coal ash	<input type="checkbox"/> No RCRA <input type="checkbox"/> CESA/SQG <input type="checkbox"/> LOG <input type="checkbox"/> CORRACTS <input type="checkbox"/> Non-CORRACTS <input checked="" type="checkbox"/> Unspecified Universe <input type="checkbox"/> TSD <input type="checkbox"/> Non-Generator <input type="checkbox"/> Other (Specify in Comments)	<input type="checkbox"/> No ORPS <input type="checkbox"/> CERCLIS/NFRAP <input type="checkbox"/> I/E Control <input checked="" type="checkbox"/> UST/LUST <input type="checkbox"/> NPL <input type="checkbox"/> Ohio VAP <input checked="" type="checkbox"/> SPILLS <input type="checkbox"/> SWF <input type="checkbox"/> Town Gas <input checked="" type="checkbox"/> DERR Database <input type="checkbox"/> Other (Specify in Comments)	High	Partial Take	No	No	Yes Coal ash	Yes Coal ash	RM Plan Note	Site is part of the First Energy Power Plant's coal ash storage area.

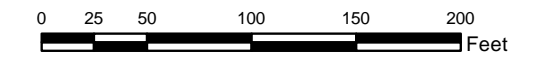
Map of Study Area



Site Location Map

Legend

-  Construction Limits
-  Site Parcel



JEF-7-30.92
PID 110889

Study Area





Date: June 2023	Approved by: JB	L&A No. 22-0043	Figure 1
--------------------	--------------------	--------------------	-------------

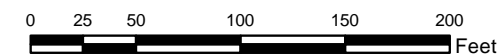
Aerial Photographs



Site Location Map

Legend

-  Construction Limits
-  Site Parcel



JEF-7-30.92
PID 110889

1958 Aerial Imagery



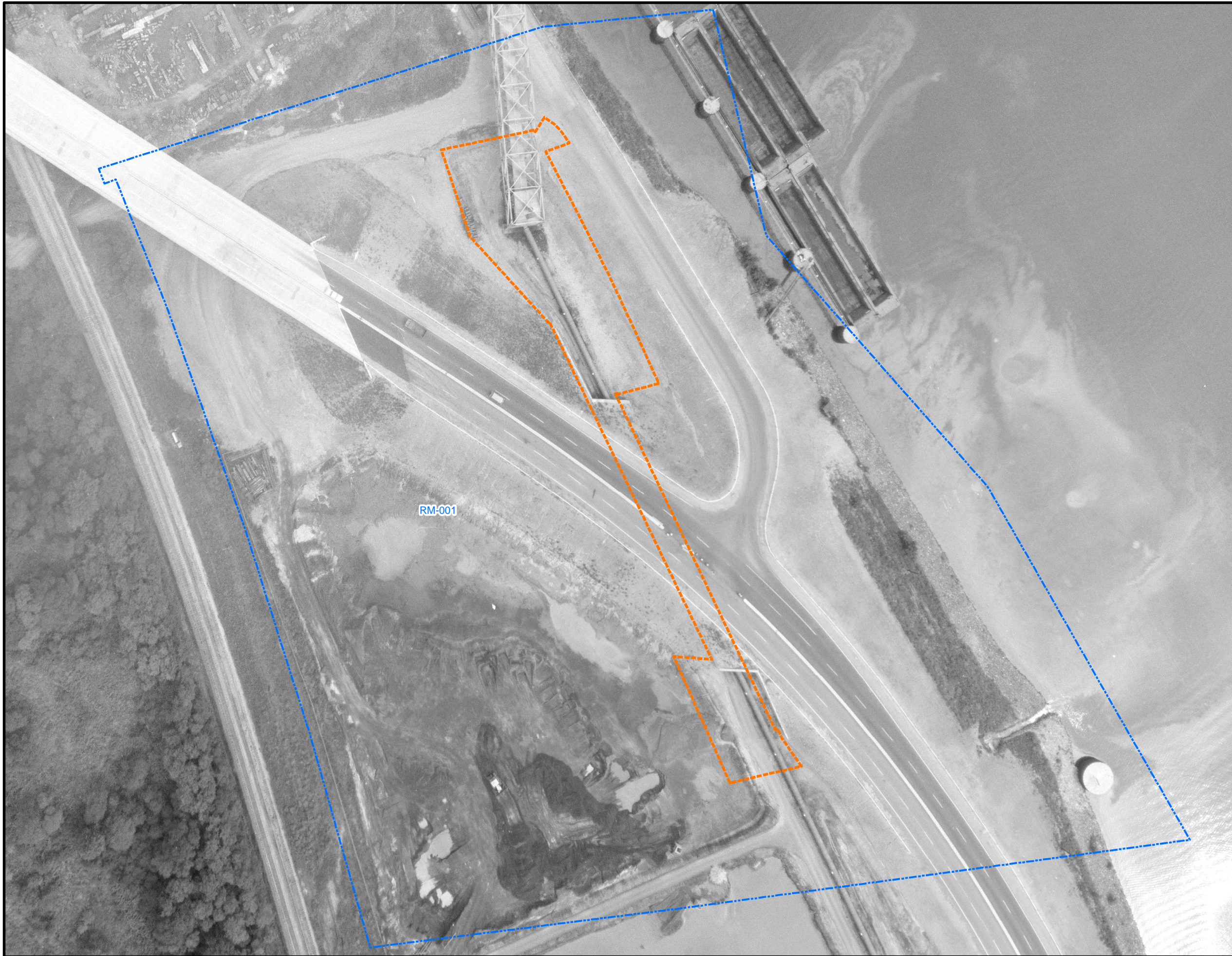
Lawton & Associates, Inc.

Date:
June 2023

Approved by:
JB



L&A No.
22-0043

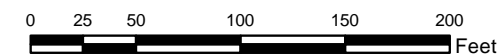
Figure
2



Site Location Map

Legend

-  Construction Limits
-  Site Parcel



JEF-7-30.92
PID 110889

1963 Aerial Imagery



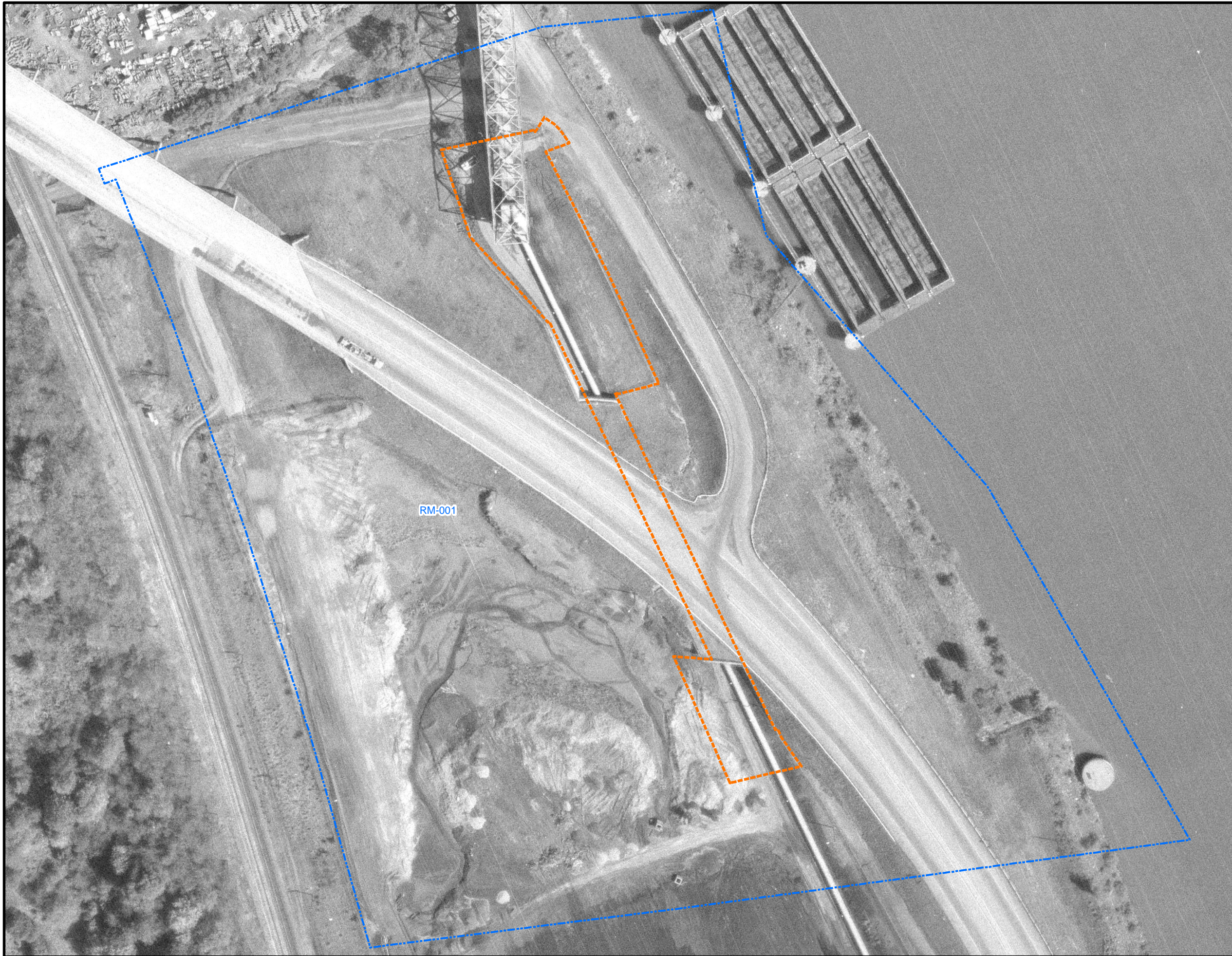
Lawton & Associates, Inc.

Date:
June 2023

Approved by:
JB



L&A No.
22-0043

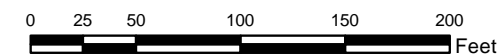
Figure
3



Site Location Map

Legend

-  Construction Limits
-  Site Parcel



JEF-7-30.92
PID 110889

1970 Aerial Imagery



Lawton & Associates, Inc.

Date:
June 2023

Approved by:
JB



L&A No.
22-0043

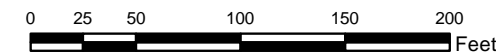
Figure
4



Site Location Map

Legend

-  Construction Limits
-  Site Parcel



JEF-7-30.92
PID 110889

1977 Aerial Imagery





Lawhon & Associates, Inc.

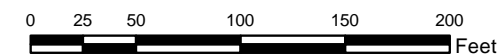
Date: June 2023	Approved by: JB	L&A No. 22-0043	Figure 5
--------------------	--------------------	--------------------	-------------



Site Location Map

Legend

-  Construction Limits
-  Site Parcel



JEF-7-30.92
PID 110889

1988 Aerial Imagery



Lawton & Associates, Inc.

Date:
June 2023

Approved by:
JB



L&A No.
22-0043

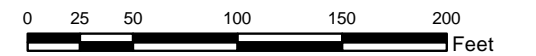
Figure
6



Site Location Map

Legend

-  Construction Limits
-  Site Parcel



JEF-7-30.92
PID 110889

1998 Aerial Imagery



Lawhon & Associates, Inc.

Date:
June 2023

Approved by:
JB

L&A No.
22-0043



Figure
7

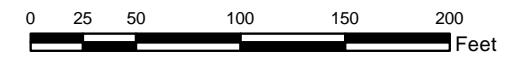
Map of Suspect Properties



Site Location Map

Legend

-  Construction Limits
-  Site Parcel



JEF-7-30.92
PID 110889

Suspect Properties



Lawton & Associates, Inc.

Date: June 2023	Approved by: JB	L&A No. 22-0043	Figure 1
--------------------	--------------------	--------------------	-------------

ODOT Regulatory Property Search



ORPS Summary Report

Area of Interest (AOI) Information

Area : 31,58 acres

Nov 7 2022 9:17:16 Eastern Standard Time



Summary

Name	Count	Area(acres)	Length(ft)
SEMS - Non-NPL Sites w/buffer (US EPA)	0	0	N/A
SEMS - NPL Sites w/buffer (US EPA)	0	0	N/A
RCRA (US EPA)	0	N/A	N/A
RCRA - TSD Sites w/buffer (US EPA)	0	0	N/A
Federal Engineering Controls (US EPA)	0	N/A	N/A
Federal Institutional Controls (US EPA)	0	N/A	N/A
BUSTR - UST Locations (BUSTR/OGRIP)	0	N/A	N/A
BUSTR - LUST Locations (BUSTR/OGRIP)	0	N/A	N/A
Coal Gas Generators (OEPA-DERR)	0	N/A	N/A
DERR Database (OEPA-DERR)	0	N/A	N/A
Impoundment Sites (OEPA-DERR)	0	N/A	N/A
Landfills - Active Solid Waste Facilities w/buffer (OEPA-DMWM)	0	0	N/A
Landfills - Historic/Abandoned Facilities w/buffer (OEPA-DMWM/DERR)	0	0	N/A
Landfills - Solid Waste Facility Polygons (OEPA-DMWM)	0	0	N/A
Projects With Engineering Controls (OEPA-DERR)	0	N/A	N/A
Projects With Institutional Controls (OEPA-DERR)	0	N/A	N/A
Spills Database (OEPA)	0	N/A	N/A
VAP Sites (OEPA-DERR)	0	N/A	N/A
Potential Areas of Concern (ODOT-OES)	0	0	N/A

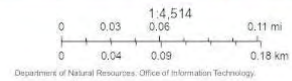
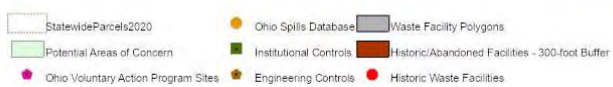
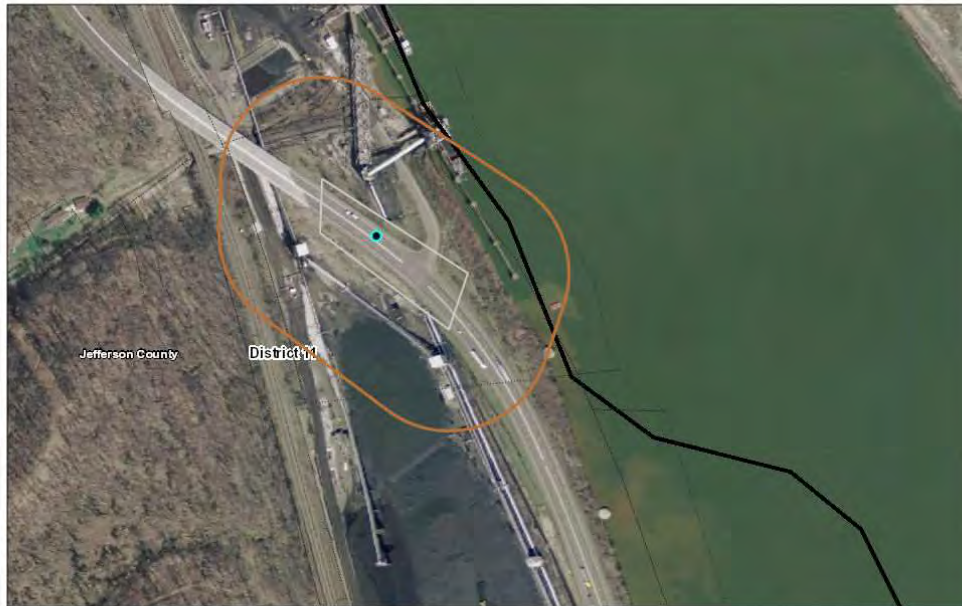


Landfill-specific ORPS Summary Report

Area of Interest (AOI) Information

Area : 17.35 acres

Nov 7 2022 9:18:52 Eastern Standard Time



Summary

Name	Count	Area(acres)	Length(ft)
Landfills - Active Solid Waste Facilities w/buffer (OEPA-DMWM)	0	0	N/A
Landfills - Historic/Abandoned Facilities w/buffer (OEPA-DMWM/DERR)	0	0	N/A
Landfills - Solid Waste Facility Polygons (OEPA-DMWM)	0	0	N/A

Photolog



Photograph 1: Site RM-001. Viewing Firstenergy Generation Corp W.H. Sammis Power Plant storage yard, looking northeast..



Lawhon & Associates, Inc.
Cleveland – Columbus - Dayton
lawhon@lawhon-assoc.com
614.481.8600

JEF-7-30.92 (PID 110889)
Stratton, Ohio
L&A Project 22-0043
Photographs from Google Earth taken on 06/16/23

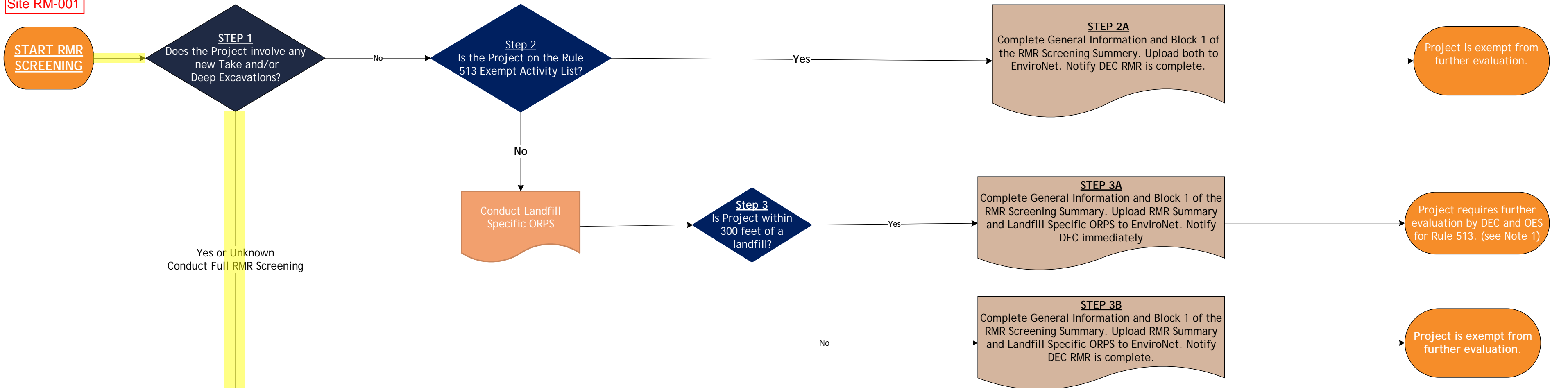
Flowcharts



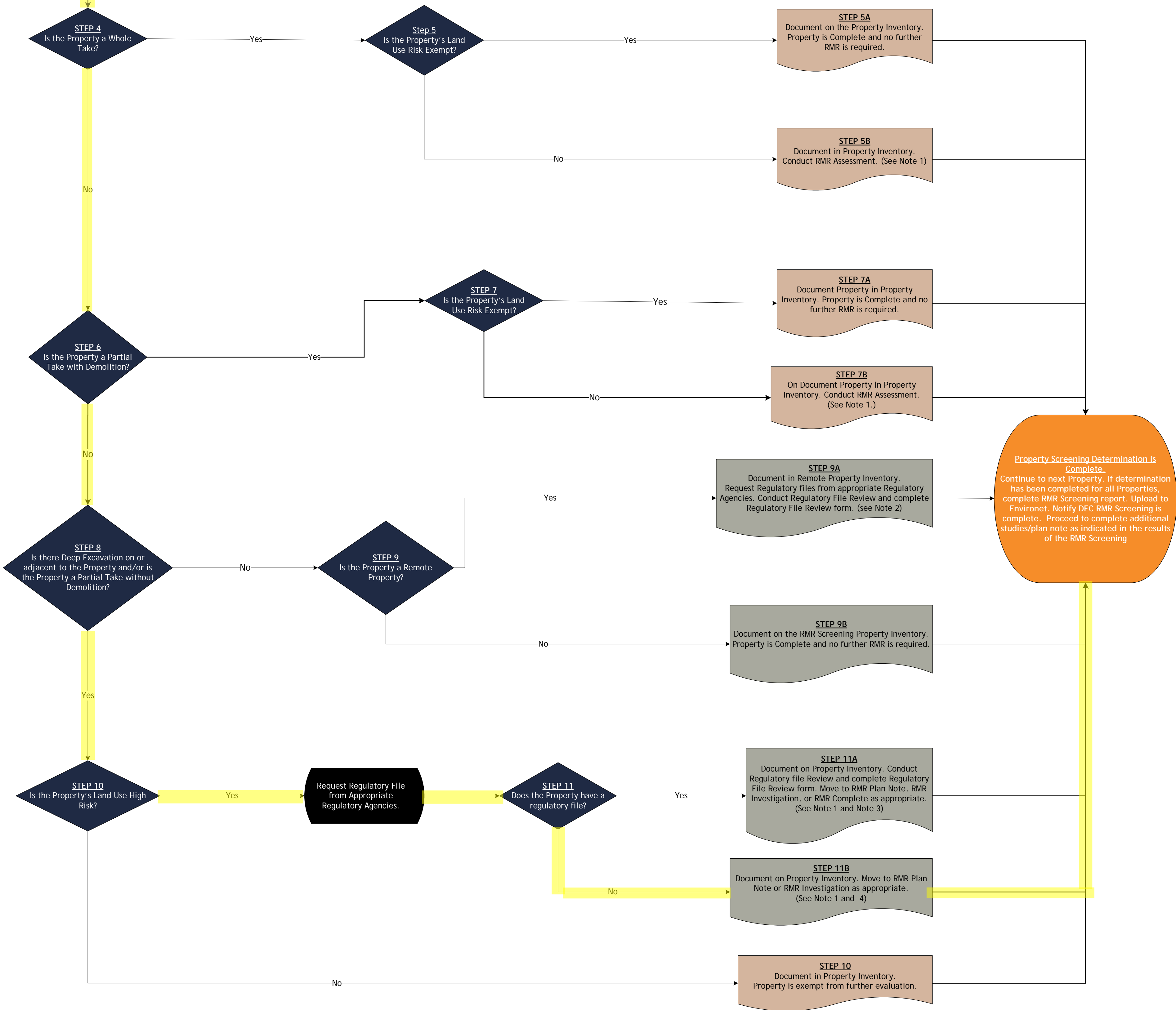
Purpose of the RMR Screening is to obtain a cursory understanding of the regulated material (RM) risks likely present on Properties within/abutting the Project Limits. Outcomes from this RMR Screening will be to provide the District Environmental Coordinator (DEC) and Office of Environmental Services (OES) sufficient information to understand the potential for RM tied to new permanent right-of-way (ROW)/Take or Deep Excavation.

JULY 2022

Site RM-001



Inventory all Properties Within and Abutting the Project Limits on the Property Inventory, Conduct Full ORPS, Obtain Historical Aerials and Most Recent Project Plans. Complete Column 1 through Column 6 of the Property Inventory. If the Full ORPS Shows a Remote Property, complete Remote Property Inventory. Starting at Step 4, Follow the Flowchart Using Answers from Columns 1 Through Column 5 for Each Property. Using Most Up to Date Construction Plans, Complete Column 6 and Column 7. Use Answers from Column 6 and Column 7, Following the Flowchart, Determine Property's Action Results and Document in Column 8.
IF ONE OR MORE PROPERTIES ARE ON THE NATIONAL PRIORITIES LIST (NPL), COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY INFORMATION SYSTEM (CERCLIS) AND/OR WITHIN 300 FEET OF A LANDFILL CONTACT DEC IMMEDIATELY.



RMR Screening Report Content Requirements:

- RMR Screening Completed at **Step 2A** - 1) RMR Screening Summary with General Information and Block 1 completed
- RMR Screening Completed at **Step 3A/3B** - 1) Screening Summary with General Information and Block 1 completed, 2) Landfill ORPS
- Full RMR Screening - 1) Completed RMR Screening template, 2) full ORPS Mapping and Report, 3) Regulatory File Review Form, 4) Historical Aerials, 5) Project Mapping, 6) Regulatory Files, 6) Most Recent Project Plans, 7) DCSF (Upload to EnviroNet Separately)

NOTES

- Note 1: Properties that are on NPL, CERCLIS and/or within 300 feet of a Landfill, the RMR Screening will be submitted to OES by the DEC. OES and the DEC will work together to determine the best path forward for the Project.
- Note 2: Projects with one or more Remote Properties are to be submitted to OES by the DEC
- Note 3: Property with USTs and a BUSTR File, the Property Determination will be either an RMR Plan Note or RMR Complete based on the Regulatory File Review. Continue to RMR Assessment/Investigation/Plan Note Flowchart for next steps.
- Note 3: Property with USTs but have no BUSTR Files, Property Determination is RMR Plan Note. Continue to RMR Assessment/Investigation/Plan Note Flowchart for next steps.
- Note 4: A Property that is listed as a Landfill but has no regulatory files or is an undocumented Landfill, the RMR Screening is to be submitted to OES by the DEC. OES and the DEC will work together to determine the best path forward for the project

RESOURCES

Refer to the RMR Manual for in depth details on conducting the RMR Screening

Acronym/Definition List (See Appendix A of the RMR Manual for a full list)

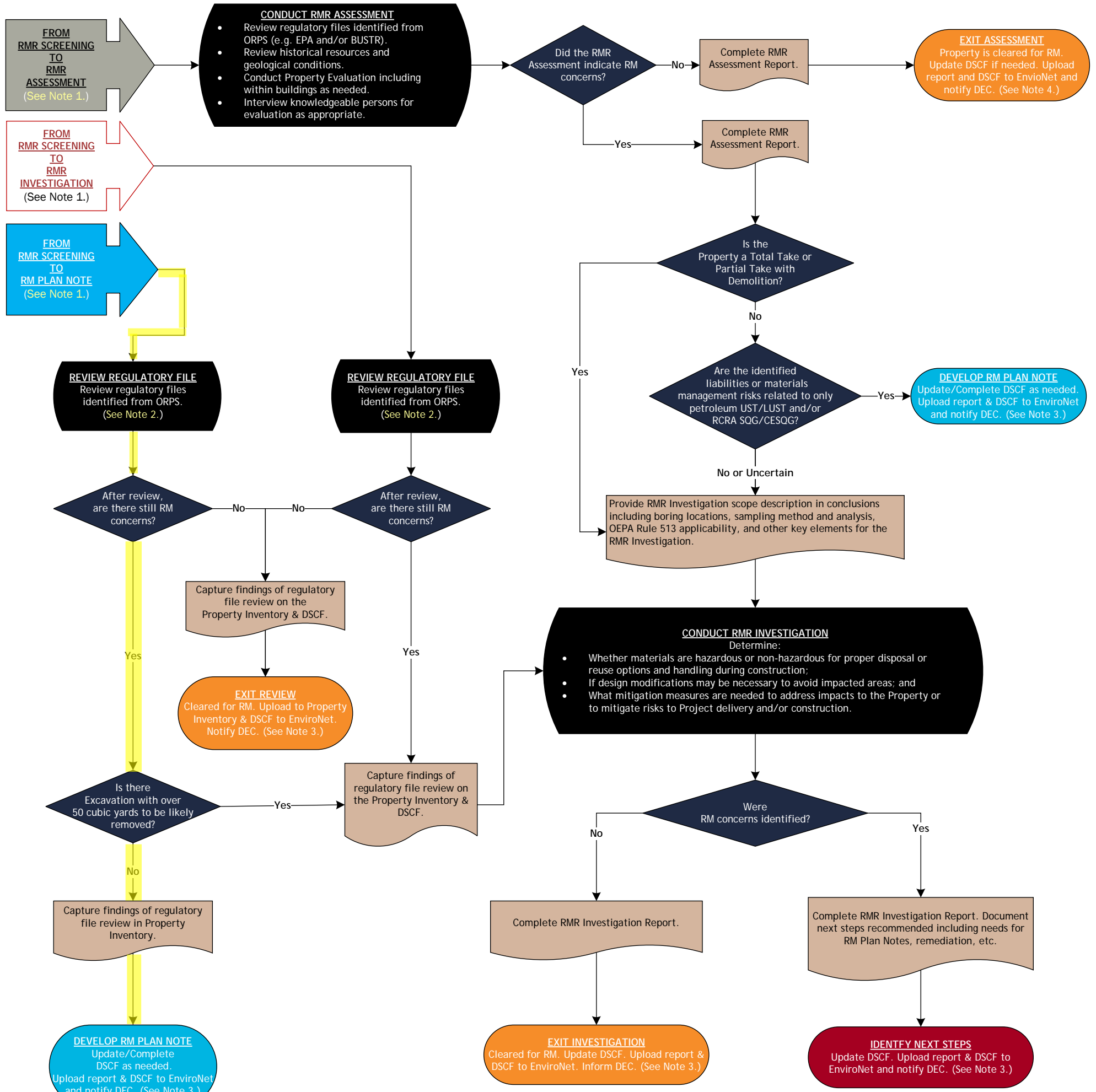
- Abutting - Joining at boundary
- DEC - ODOT District Environmental Coordinator
- DSCF - Decision Summary and Cost Form
- OES - ODOT Office of Environmental Services
- ORPS - ODOT Regulatory Property Search
- Property Inventory - Listing of properties within or abutting project
- Remote Property - A Property that is not within or abutting to the Project Limits.
- RM - Regulated Materials
- RMR - Regulated Materials Review
- Take - Act or process of acquiring a permanent right-of-way (ROW)

LAND USE RISK CATEGORIES

Exempt Category	Low-Risk Category	High-Risk Category
<ul style="list-style-type: none"> • Agricultural • Cemetery • Forested land • Parks • Recreation Areas • Residential • Undeveloped 	<ul style="list-style-type: none"> • Bank • Car Dealership (no Automotive Repair) • Commercial Office Space • Daycare • Florist/Landscaper • Government Office • Grocery • Lodging • Pharmacy • Physicians/Dentist Office • Restaurant • Retail Store • Railroad, Featureless Track • Hospitals 	<ul style="list-style-type: none"> • Automotive Repair/Service/Oil Change • Body Shop • Dry Cleaner • Electrical Substation • Gas Stations and Service Station • Government Maintenance Facilities • Grain Elevator • Junkyard/Scrapyard • Landfill • Property listed on regulatory databases • Manufacturing • Oil/Chemical Warehouse/Storage • Railroad Maintenance/Siding • ANY Industrial Use



Purpose of the RMR Assessment and Investigation is to understand the regulated material (RM) risks that maybe present on a Property sufficiently to make informed decisions on real estate acquisition, remediation, RM Plan Notes, alternatives, and construction. Documentation for the RMR Assessment and RMR Investigation is built upon the RMR Screening.



RESOURCES

Key references for RMR Assessment/Investigation and RM Plan Note Development RMR Manual, RMR Screening Report, DSCF, and Regulatory File Review and Historic Property Information.

Forms used for RMR Assessment/Investigation include RMR Assessment Template, or RMR Investigation Template, and DSCF.

Acronym List (See Appendix A of the RMR Manual for a full list.):

- BUSTR - Bureau of Underground Storage Tank Regulations
- DEC - District Environmental Coordinator
- DSCF - Decision Summary and Cost Form
- LUST - Leaking Underground Storage Tank
- ODOT - Ohio Department of Transportation
- OEPA - Ohio Environmental Protection Agency
- OES - ODOT Office of Environmental Services
- ORPS - ODOT Regulatory Property Search
- RCRA CESQG/SQG - RCRA Conditionally Exempt Small Quantity Generator/Small Quantity Generator
- RM - Regulated Materials
- RMR - Regulated Materials Review
- Take - Act or process of acquiring a permanent right-of-way (ROW)
- UST - Underground Storage Tank

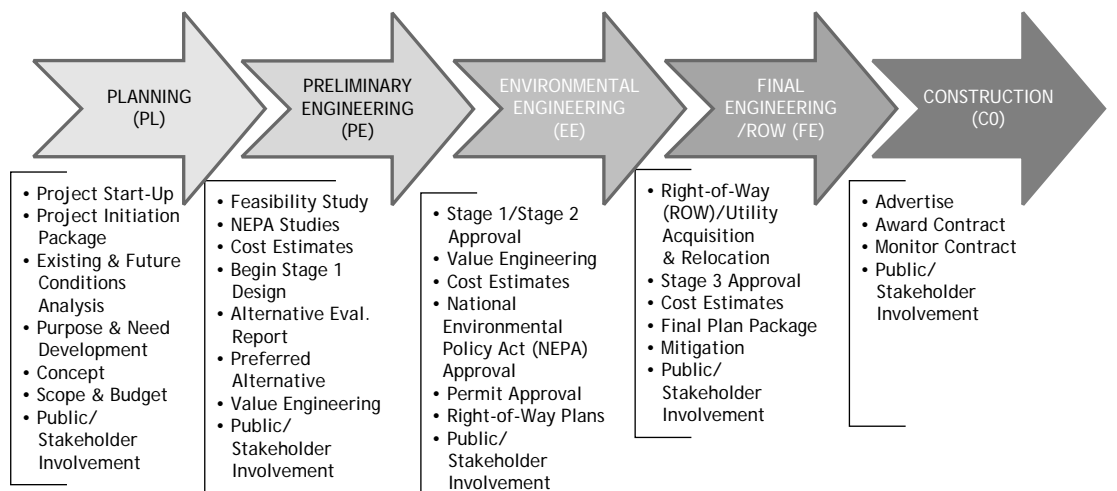
NOTES

Note 1: Use this flowchart as an overview of the RMR. The RMR Manual provides details.

Note 2: For Properties moving to RMR Investigation or RM Plan Note from the RMR Screening, complete the regulatory file review prior to finishing the RMR Screening.

Note 3: The DEC should provide RMR Assessments and RMR Investigations to OES. The DEC and OES will work together to determine a course of action for these properties. The DEC may provide OES RMR Plan notes at their discretion.

RMR CONNECTION TO THE ODOT PROJECT DEVELOPMENT PROCESS (PDP)



RMR Schedule

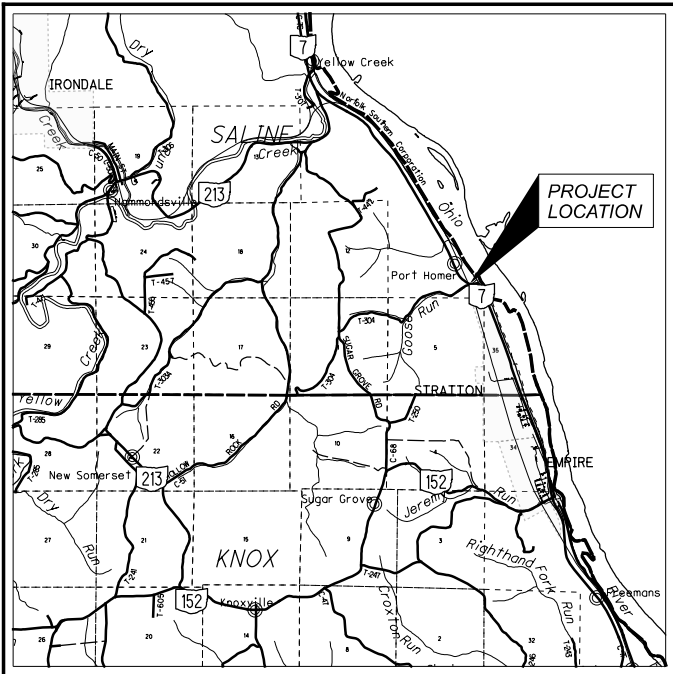
- PE: Conduct RMR Screening.
- PE/EE: Conduct RMR Assessment after Preferred Alignment selected
- EE: Conduct RMR Investigation after Stage 2 Design Approval
- FE: All RMR studies are completed prior to Environmental Document Approval
- CO: RMR decisions and DSCF revisited based on design and/or ROW changes
- CO: RMR Plan Note Implementation

Project Plans

**STATE OF OHIO
DEPARTMENT OF TRANSPORTATION**

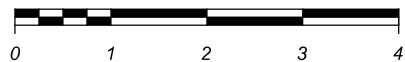
JEF - 007 - 30.92

SALINE TOWNSHIP
JEFFERSON COUNTY



LOCATION MAP

LATITUDE: 40°32'23" N LONGITUDE: 80°38'09" W
SCALE IN MILES



PORTION TO BE IMPROVED	-----	=====
INTERSTATE HIGHWAY	-----	=====
FEDERAL ROUTES	-----	=====
STATE ROUTES	-----	=====
COUNTY & TOWNSHIP ROADS	-----	=====
OTHER ROADS	-----	=====

DESIGN DESIGNATION

CURRENT ADT (2024)	-----	8,800
DESIGN YEAR ADT (2044)	-----	10,500
DESIGN HOURLY VOLUME (2044)	-----	950
DIRECTIONAL DISTRIBUTION	-----	56%
TRUCKS (24 HOUR B&C)	-----	24%
DESIGN SPEED	-----	55 MPH
LEGAL SPEED	-----	55 MPH
DESIGN FUNCTIONAL CLASSIFICATION:		
PRINCIPAL ARTERIAL (RURAL)	-----	
NHS PROJECT	-----	YES

DESIGN EXCEPTIONS

NONE REQUIRED

UNDERGROUND UTILITIES

**Contact Two Working Days
Before You Dig**

OHIO811, 8-1-1, or 1-800-362-2764
(Non-members must be called directly)

PLAN PREPARED BY:

MOTT MACDONALD M

18013 CLEVELAND PARKWAY DRIVE, SUITE 200, CLEVELAND, OHIO 44135
PHONE: (216)-535-3640 FAX: (216)-265-2816

<p>ENGINEER'S SEAL: ROADWAY</p> <p>SIGNED: _____ DATE: _____</p> <p>ENGINEER'S SEAL: STRUCTURES</p> <p>SIGNED: _____ DATE: _____</p>
--

INDEX OF SHEETS:

TITLE SHEET	1
GENERAL NOTES	2
STRUCTURES (OVER 20 FOOT SPAN) SFN 4101561	3-8

	STANDARD CONSTRUCTION DRAWINGS	SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS

FEDERAL PROJECT NUMBER

E200(088)

RAILROAD INVOLVEMENT

NO

PROJECT DESCRIPTION

COMPLETE REPLACEMENT OF STRUCTURE SFN 4101561
CARRYING STATE ROUTE 7 OVER A COAL CONVEYOR BELT.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	X.XX ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	X.XX ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	X.XX ACRES

2019 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS AND CHANGES LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

LIMITED ACCESS

THIS IMPROVEMENT IS ESPECIALLY DESIGNED FOR THROUGH TRAFFIC AND HAS BEEN DECLARED A LIMITED ACCESS HIGHWAY OR FREEWAY BY ACTION OF THE DIRECTOR IN ACCORDANCE WITH THE PROVISIONS OF SECTION 5511.02 OF THE OHIO REVISED CODE.

I HERBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

APPROVED _____
DATE _____ DISTRICT DEPUTY DIRECTOR

APPROVED _____
DATE _____ DIRECTOR, DEPARTMENT OF TRANSPORTATION

TITLE SHEET

DESIGN AGENCY
M M
MOTT MACDONALD
18013 CLEVELAND PKWY
SUITE 200
CLEVELAND, OH 44135

DESIGNER
SJP

REVIEWER
MAR 05/03/22

PROJECT ID
110889

SHEET TOTAL
P. 01 | 8

JEF-7-30.92

MODEL: Sheet PAPER SIZE: 17x11 (in.) DATE: 5/9/2022 TIME: 11:52:22 AM USER: RUS61365 p:\mott\user-pw\benlby.com\mott\user-pw-20\Documents\507104982-ODOT - JEF-007-30.92\JEF110889\400-Engineering\Roadway\Sheets\110889_GT001.dgn

UTILITIES
THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE
PLANS ARE OBTAINED FROM THE OWNERS AS REQUIRED BY
SECTION 153.64 O.R.C.

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT
LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

ELECTRIC AND TRANSMISSIONS:
AEP OHIO POWER COMPANY
ATTN: CLARKE SAUNDERS
777 HOPEWELL DRIVE
HEATH, OHIO 43056
614-460-4794
CMSAUNDERS@AEP.COM

GAS:
TC ENERGY (COLUMBIA GAS TRANSMISSION)
ATTN: ANTHONY WINTERS
4115 CORK BOCKTOWN ROAD
CLINTON, PA 15026
724-223-3944
ANTHONY_WINTERS@TCENERGY.COM

TELECOMMUNICATIONS
AT&T OHIO, INC.
ATTN: BARRETT J. TAMASOVICH
160 NORTH 6TH STREET
ZANESVILLE, OHIO 43701
740-454-3552
BT2178@ATT.COM

WATER AND SEWER
JEFFERSON COUNTY ENGINEER
ATTN: JAMES BRANAGAN
598 STATE ROUTE 43
STEBENVILLE, OHIO 43952
740-283-8574
ENGINEER@JEFFERSONCOUNTYOH.COM

VILLAGE OF STRATTON
ATTN: THE HONORABLE PAUL ZDINAK
P.O. BOX 145
STRATTON, OHIO 43961
740-537-3091
STRATTONMAYOR@GMAIL.COM

GENERAL NOTES

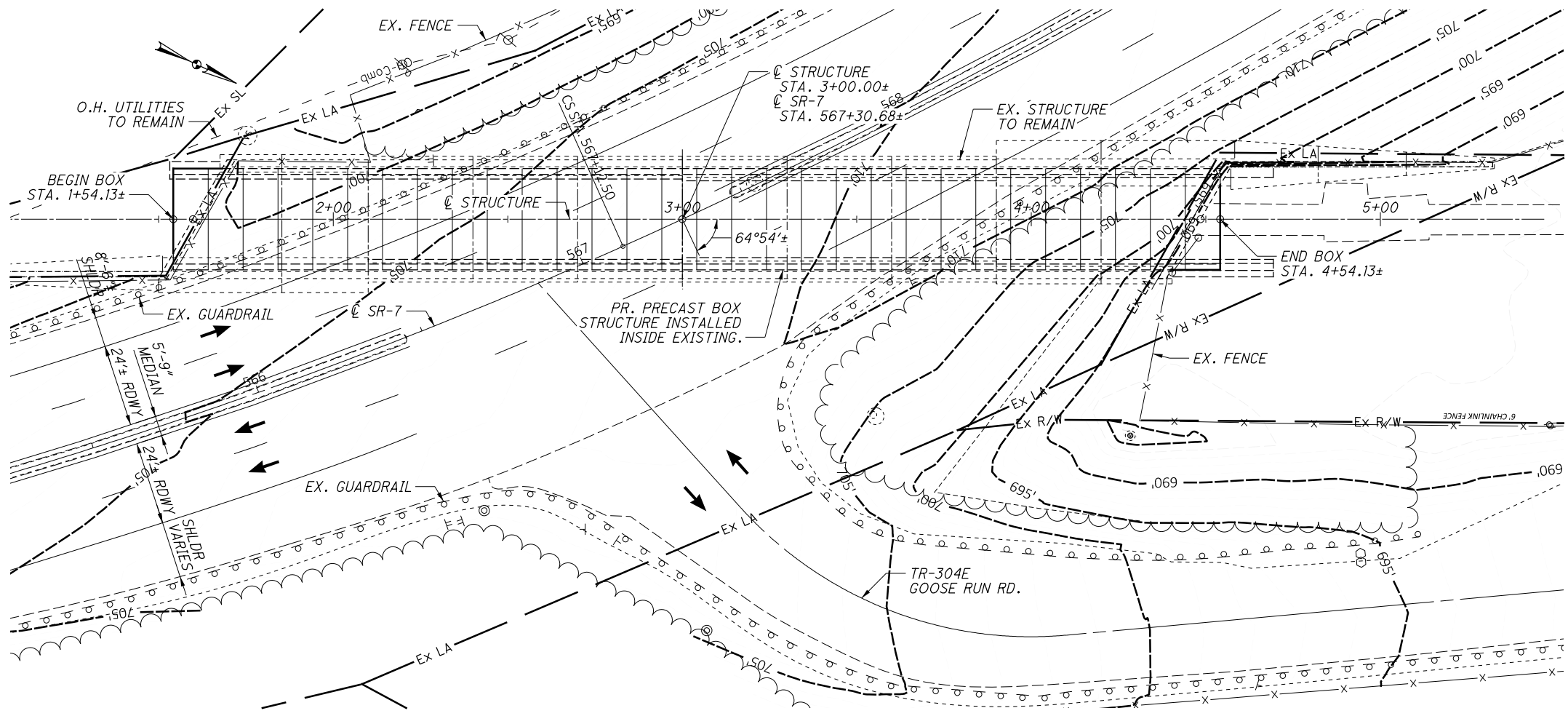
DESIGN AGENCY
M M
MOTT
MACDONALD
18013 CLEVELAND PKWY
SUITE 200
CLEVELAND, OH 44135

DESIGNER
SJP

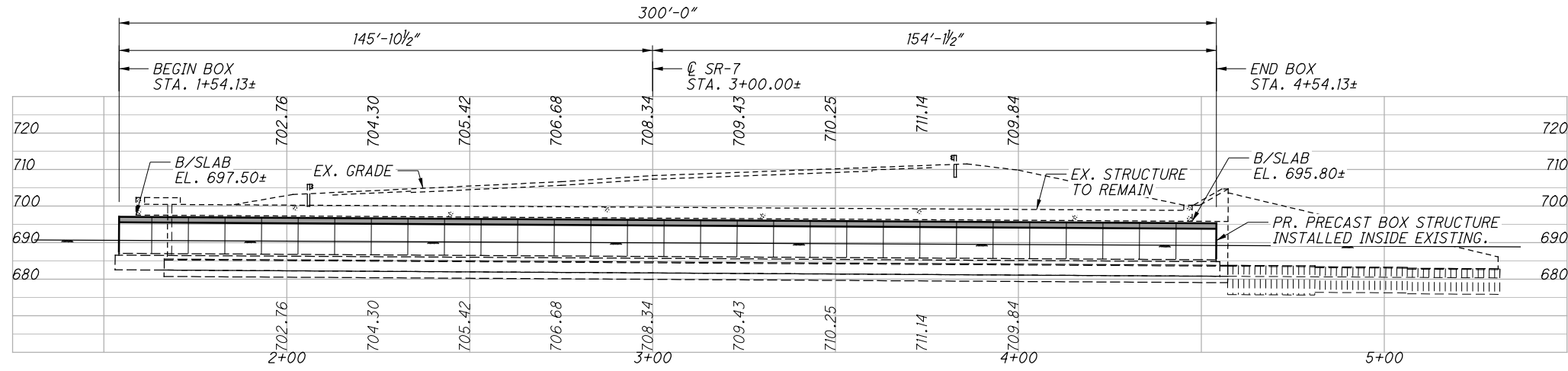
REVIEWER
MAR 05/03/22

PROJECT ID
110889

SHEET TOTAL
P. 02 | 8

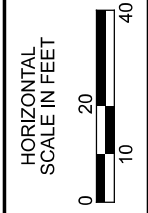


PLAN



PROFILE ON STRUCTURE CENTERLINE

BENCHMARK DATA		
BM#1:	N-323685.613, E-2486794.407,	ELEV. 706.27
TBM#2:	N-323943.742, E-2486593.747,	ELEV. 685.26
TBM#3:	N-323490.531, E-2486766.844,	ELEV. 687.91



NOTES

EARTHWORK LIMITS SHOWN ARE APPROXIMATE. ACTUAL SLOPES SHALL CONFORM TO PLAN CROSS SECTIONS.

FOUNDATION DATA:

SPREAD FOOTINGS:
 SERVICE BEARING RESISTANCE IS 9.0 KSF.
 FACTORED BEARING RESISTANCE IS 12.2 KSF.

LEGEND

- B/ - BOTTOM OF
- EL. - ELEVATION
- EX. - EXISTING
- O.H. - OVERHEAD
- PR. - PROPOSED
- RDWY - ROADWAY
- SHLDR - SHOULDER
- SPA. - SPACES
- TYP. - TYPICAL

EXISTING STRUCTURE

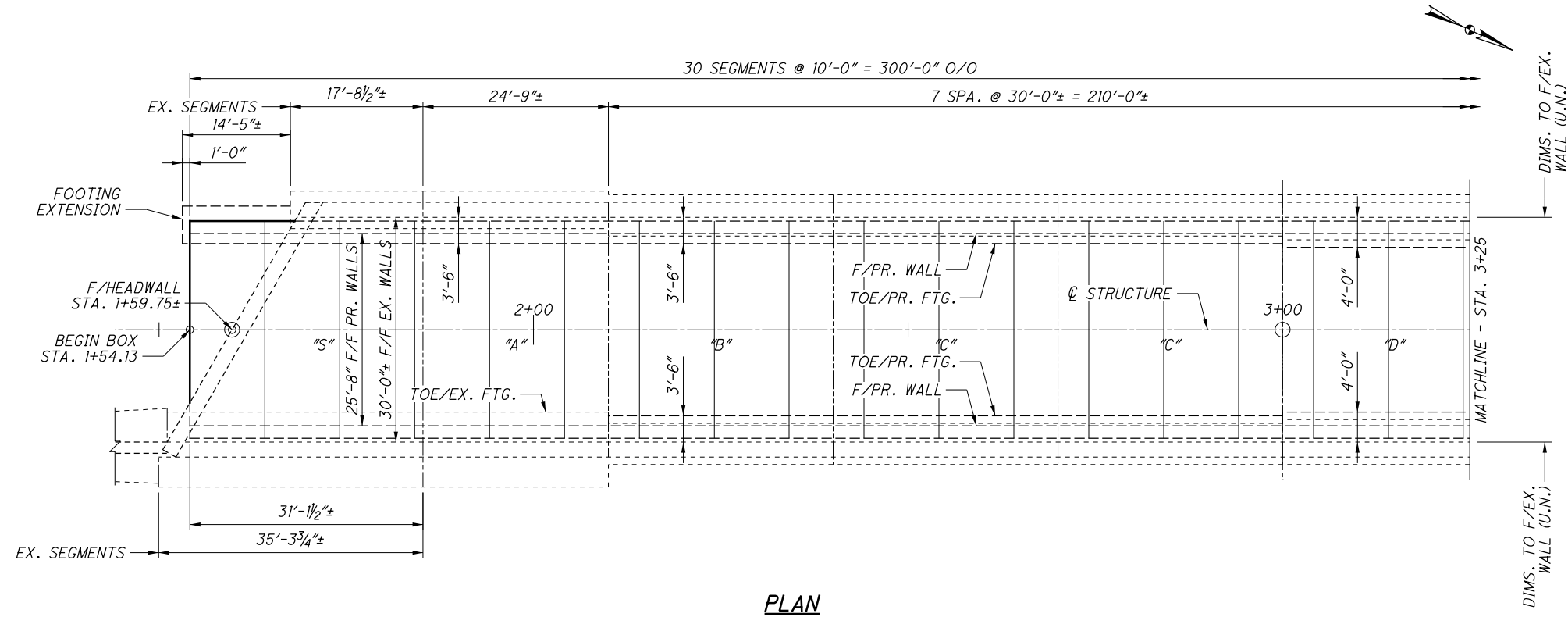
TYPE: BURIED REINFORCED CONCRETE SLAB ON REINFORCED CONCRETE WALLS AND SPREAD FOOTINGS.
 SPANS: 30'-0" FACE/FACE WALLS
 COVER: VARIES 11"± TO 13"±
 ROADWAY WIDTH: 24'-0" SB RDWY, 5'-0" MEDIAN & 24'-0" NB RDWY
 SIDEWALK WIDTH: NOT APPLICABLE
 LOADING: CF 2000 (57)
 SKEW: 65°0'0" R.F.
 WEARING SURFACE: NOT APPLICABLE
 APPR. SLABS: NOT APPLICABLE
 ALIGNMENT: 4° LT
 CROWN: 6.25% PER FOOT SUPERELEVATION
 SFN: 4101561
 DATE BUILT: 1963
 DISPOSITION: NEW STRUCTURE TO BE CONSTRUCTED INSIDE THE EXISTING

PROPOSED STRUCTURE

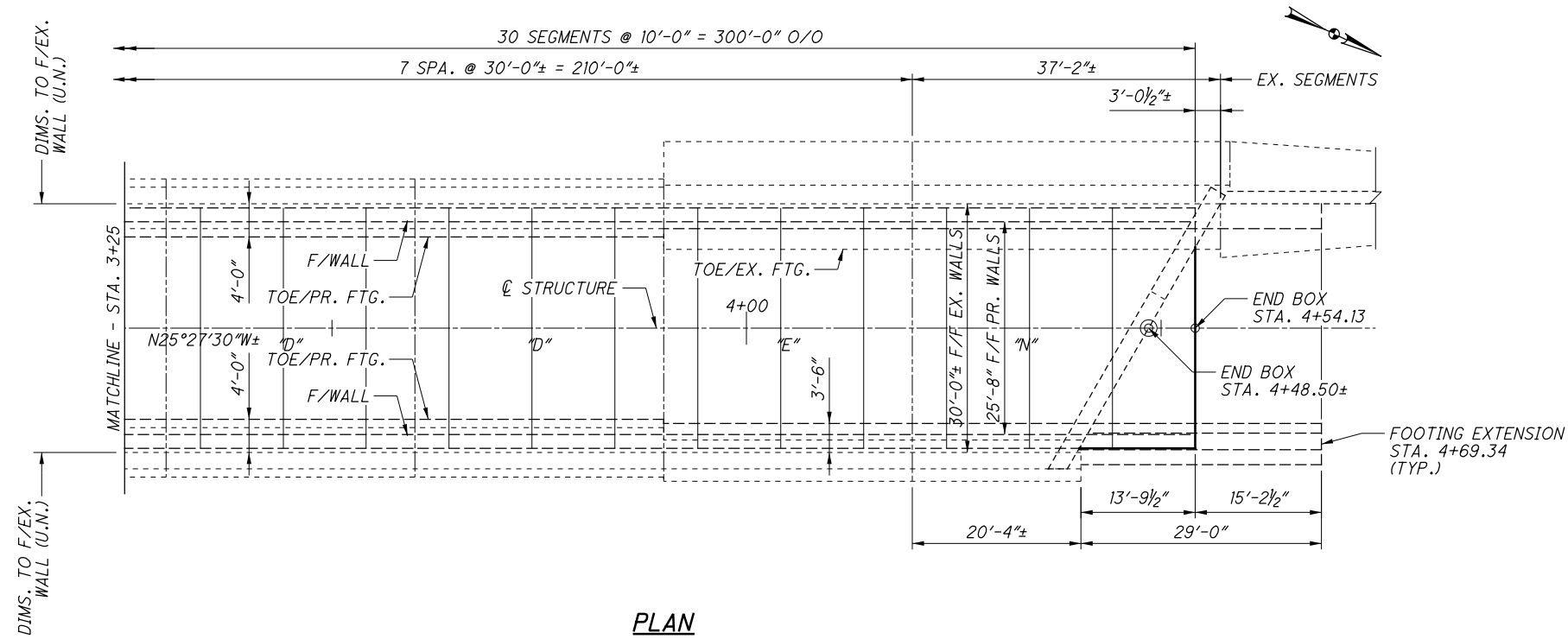
PROPOSED WORK: NEW THREE-SIDED CONCRETE FRAME INSTALLED INSIDE EXISTING.
 TYPE: REINFORCED CONCRETE FRAME ON REINFORCED CONCRETE SPREAD FOOTINGS.
 SPANS: 25'-8" FACE/FACE WALLS
 COVER: VARIES 11"± TO 13"±
 ROADWAY WIDTH: 24'-0" SB RDWY, 5'-0" MEDIAN & 24'-0" NB RDWY
 SIDEWALK WIDTH: NOT APPLICABLE
 LOADING: HL-93 DESIGN TRUCK/TANDEM AND 60 PSF FWS
 SKEW: 64°54'± R.F.
 WEARING SURFACE: NOT APPLICABLE
 APPR. SLABS: NOT APPLICABLE
 ALIGNMENT: 4° LT
 CROWN: 6.25% PER FOOT SUPERELEVATION
 LATITUDE: 40°32'23.16"N LONGITUDE: 80°38'09.24"W
 DECK AREA: 8,900 SQUARE FEET

SITE PLAN
 PRECAST BOX OPTION
 BRIDGE NO. JEF-007-3095 - SR-7 BRIDGE OVER SAMMIS PLANT CONVEYOR

SFN	4101561
DESIGN AGENCY	M M
DESIGNER	MAR
CHECKER	MR
REVIEWER	RLD 04/20/22
PROJECT ID	110889
SUBSET	TOTAL
1	3
SHEET	TOTAL
P.03	8



PLAN



PLAN

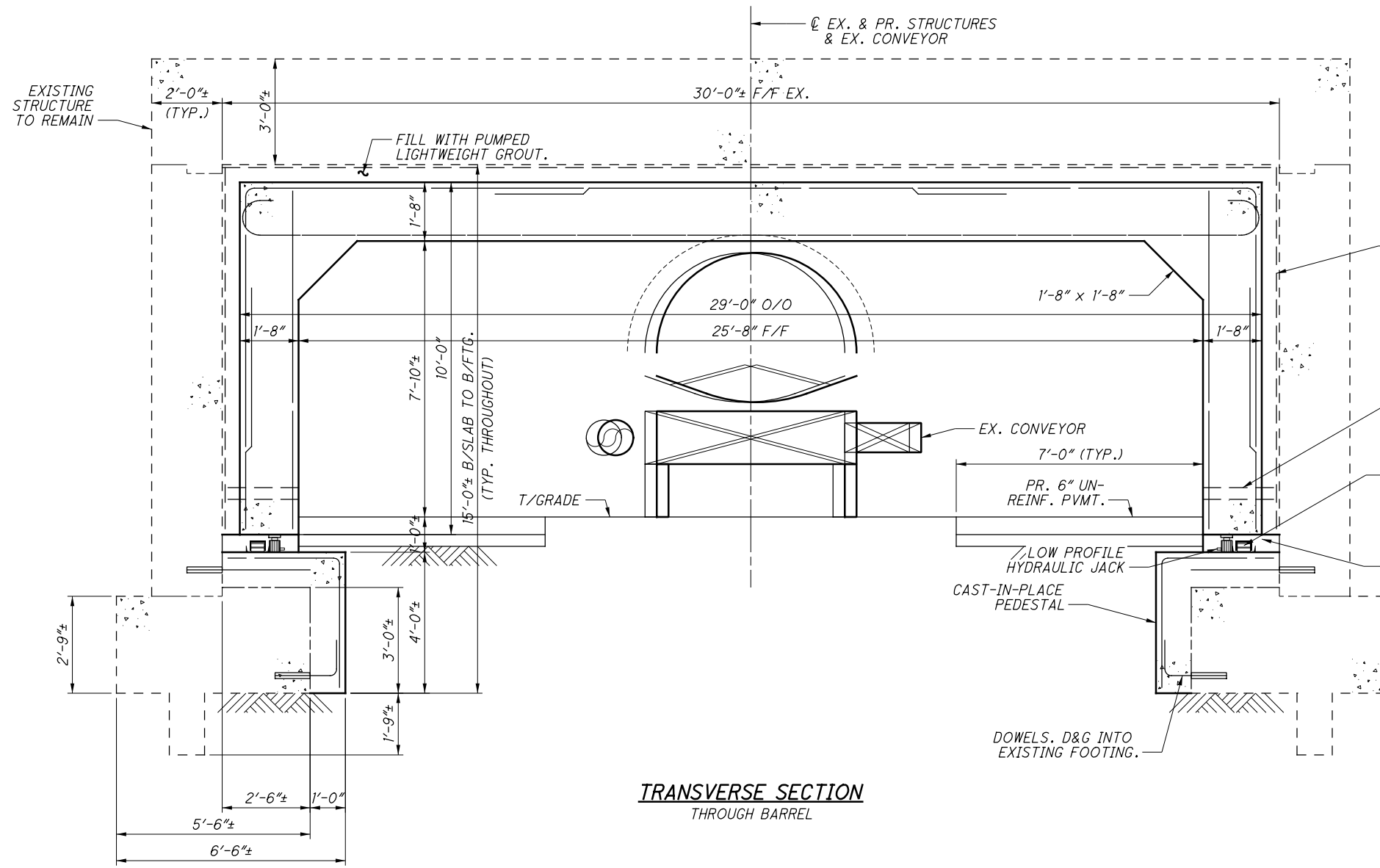
NOTES:

- PROPOSED SEGMENT LENGTH INCLUDES JOINT WIDTH AND FIT-UP.
- PROPOSED SEGMENT LENGTH NOTED MAY BE ADJUSTED AT THE CONTRACTOR'S CONVENIENCE.
- EXISTING SEGMENTS "X" ARE AS DESIGNATED IN THE RECORD PLANS.

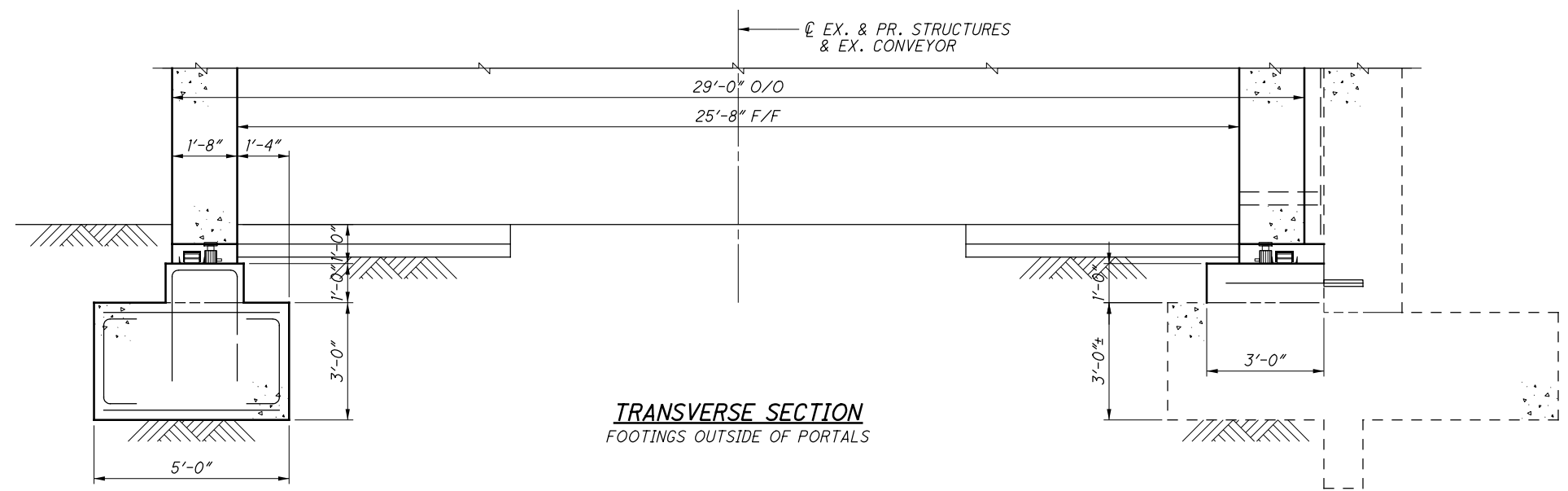
LEGEND:

- DIMS. - DIMENSIONS
- EX. - EXISTING
- F/ - FACE OF
- FTG. - FOOTING
- O/O - OUT-TO-OUT
- PR. - PROPOSED
- TOE/ - TOE OF

SFN	4101561
DESIGN AGENCY	M M
DESIGNER	MOTT MACDONALD
CHECKER	18013 CLEVELAND PKWY SUITE 200 CLEVELAND, OH 44135
REVIEWER	MAR MR
PROJECT ID	110889
SUBSET	2 3
SHEET	P.04 8



TRANSVERSE SECTION
THROUGH BARREL



TRANSVERSE SECTION
FOOTINGS OUTSIDE OF PORTALS

NOTES:

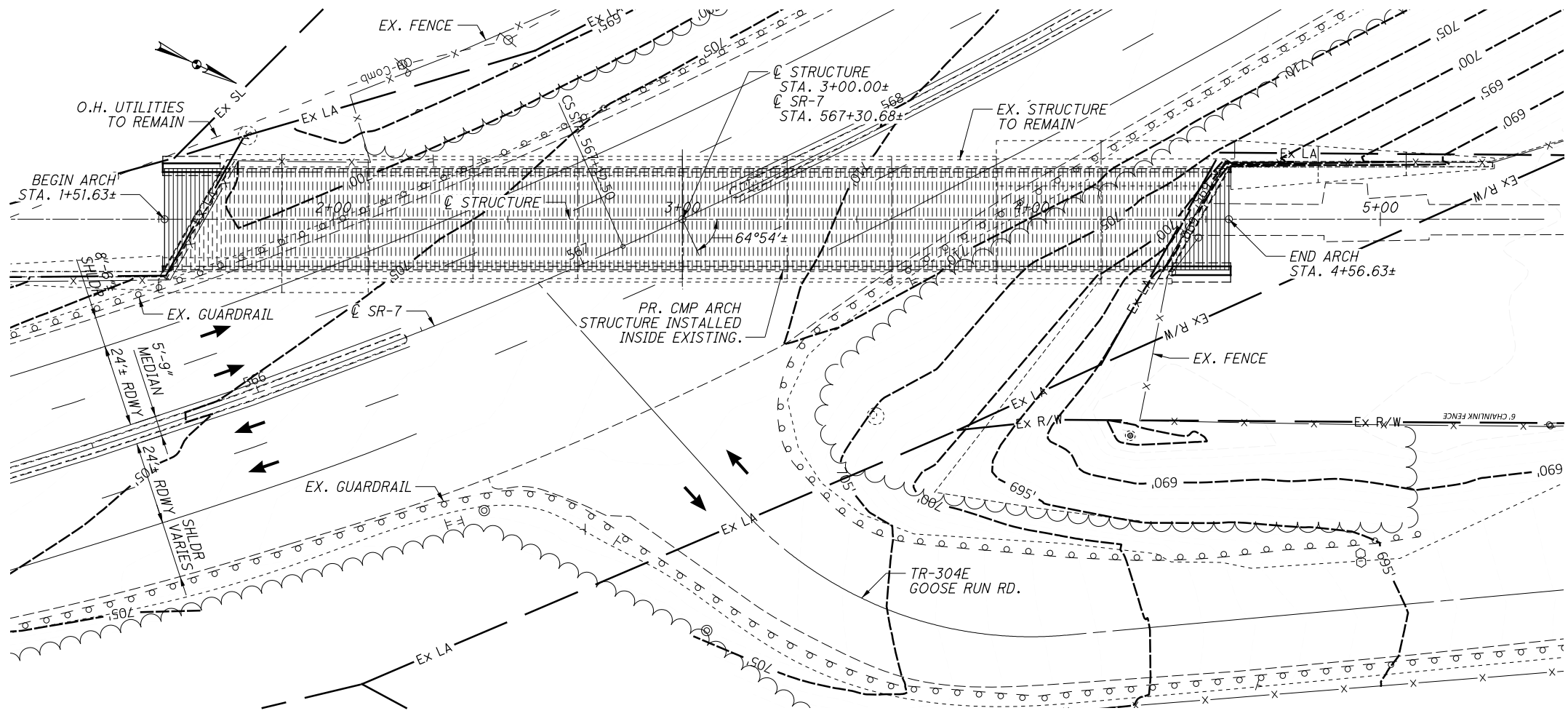
EXISTING CONVEYOR IS TO BE PROTECTED AND REMAIN IN OPERATION UNINTERRUPTED THROUGHOUT.

LEGEND:

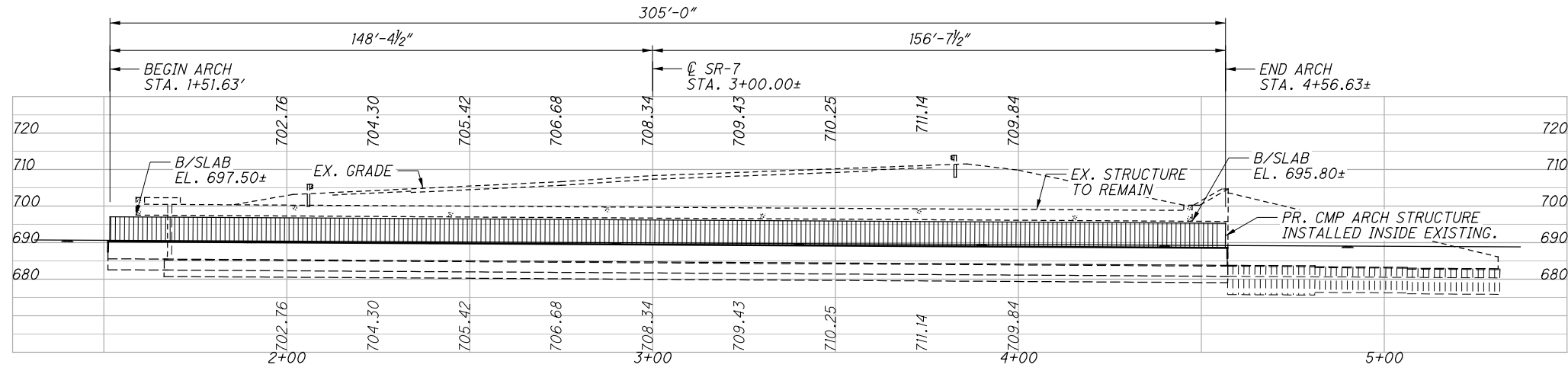
- B/ - BOTTOM OF
- D&G - DRILL AND GROUT
- E.S. - EACH SIDE
- EX. - EXISTING
- F/F - FACE-TO-FACE
- FTG. - FOOTING
- O/O - OUT-TO-OUT
- PR. - PROPOSED
- PVMT. - PAVEMENT
- T/ - TOP OF
- TYP. - TYPICAL
- UNREINF. - UNREINFORCED

TRANSVERSE SECTION
 PRECAST BOX OPTION
 BRIDGE NO. JEF-007-3095 - SR-7 BRIDGE OVER SAMMIS PLANT CONVEYOR

SFN	4101561
DESIGN AGENCY	M M
DESIGNER	MOTT MACDONALD
18013 CLEVELAND PKWY SUITE 200 CLEVELAND, OH 44135	
DESIGNER/CHECKER	MAR MR
REVIEWER	RLD 04/20/22
PROJECT ID	110889
SUBSET	3 TOTAL 3
SHEET	P.05 TOTAL 8

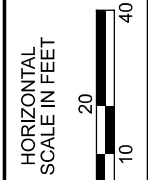


PLAN



PROFILE ON STRUCTURE CENTERLINE

BENCHMARK DATA		
BM#1:	N-323685.613, E-2486794.407,	ELEV. 706.27
TBM#2:	N-323943.742, E-2486593.747,	ELEV. 685.26
TBM#3:	N-323490.531, E-2486766.844,	ELEV. 687.91



NOTES
 EARTHWORK LIMITS SHOWN ARE APPROXIMATE. ACTUAL SLOPES SHALL CONFORM TO PLAN CROSS SECTIONS.

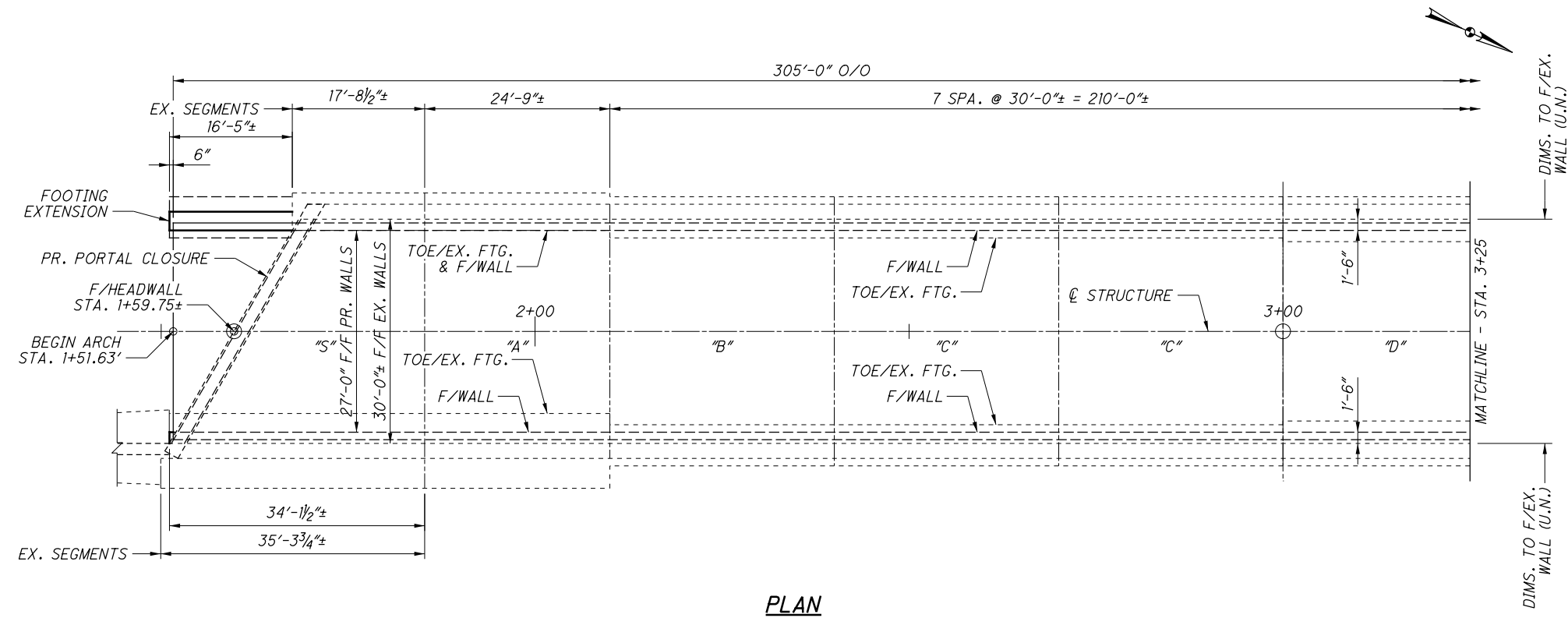
FOUNDATION DATA:
 SPREAD FOOTINGS:
 SERVICE BEARING RESISTANCE IS 9.0 KSF.
 FACTORED BEARING RESISTANCE IS 12.2 KSF.

LEGEND
 CMP - CORRUGATED METAL PLATE
 EX. - EXISTING
 O.H. - OVERHEAD
 PR. - PROPOSED
 RDWY - ROADWAY
 SHLDR - SHOULDER
 SPA. - SPACES
 TYP. - TYPICAL

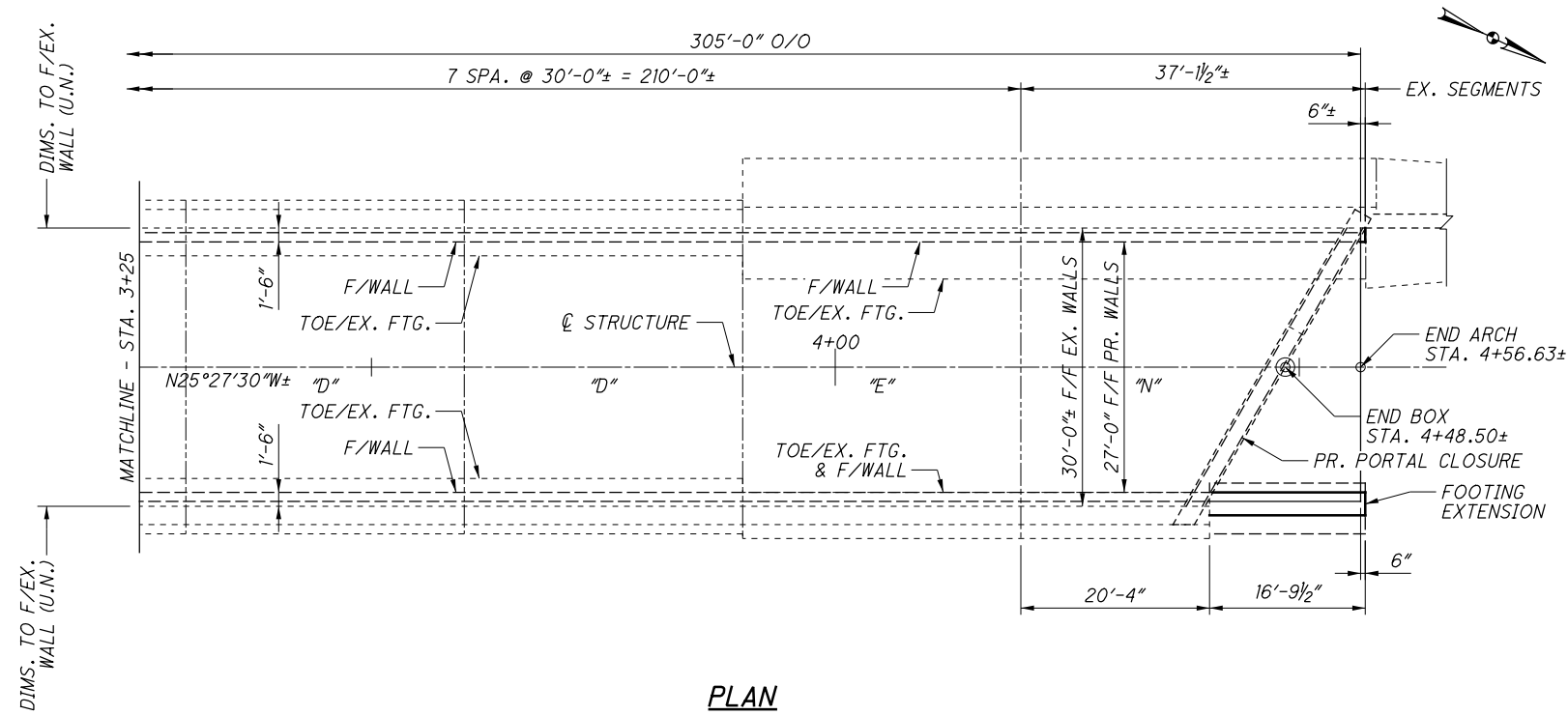
EXISTING STRUCTURE	
TYPE: BURIED REINFORCED CONCRETE SLAB ON REINFORCED CONCRETE WALLS AND SPREAD FOOTINGS.	
SPANS: 30'-0" FACE/FACE WALLS	
COVER: VARIES 11"± TO 13"±	
ROADWAY WIDTH: 24'-0" SB RDWY, 5'-0" MEDIAN & 24'-0" NB RDWY	
SIDEWALK WIDTH: NOT APPLICABLE	
LOADING: CF 2000 (57)	
SKEW: 65°0'0" R.F.	
WEARING SURFACE: NOT APPLICABLE	
APPR. SLABS: NOT APPLICABLE	
ALIGNMENT: 4° LT	
CROWN: 6.25% PER FOOT SUPERELEVATION	
SFN: 4101561	
DATE BUILT: 1963	
DISPOSITION: NEW STRUCTURE TO BE CONSTRUCTED INSIDE THE EXISTING	
PROPOSED STRUCTURE	
PROPOSED WORK: NEW CORRUGATED METAL PLATE ARCH STRUCTURE INSTALLED INSIDE EXISTING.	
TYPE: CORRUGATED METAL PLATE ARCH ON REINFORCED CONCRETE SPREAD FOOTINGS.	
SPANS: 28'-0" SPAN x 6'-3" RISE	
COVER: VARIES 11"± TO 13"±	
ROADWAY WIDTH: 24'-0" SB RDWY, 5'-0" MEDIAN & 24'-0" NB RDWY	
SIDEWALK WIDTH: NOT APPLICABLE	
LOADING: HL-93 DESIGN TRUCK/TANDEM AND 60 PSF FWS	
SKEW: 64°54'± R.F.	
WEARING SURFACE: NOT APPLICABLE	
APPR. SLABS: NOT APPLICABLE	
ALIGNMENT: 4° LT	
CROWN: 2.08% PER FOOT SUPERELEVATION	
LATITUDE: 40°32'23.16"N LONGITUDE: 80°38'09.24"W	
DECK AREA: 8,900 SQUARE FEET	

SITE PLAN
 CORRUGATED METAL PLATE ARCH OPTION
 BRIDGE NO. JEF-007-3095 - SR-7 BRIDGE OVER SAMMIS PLANT CONVEYOR

SFN	4101561
DESIGN AGENCY	M M
DESIGNER/CHECKER	MAR MR
REVIEWER	RLD 04/20/22
PROJECT ID	110889
SUBSET	TOTAL
1	3
SHEET	TOTAL
P.06	8



PLAN



PLAN

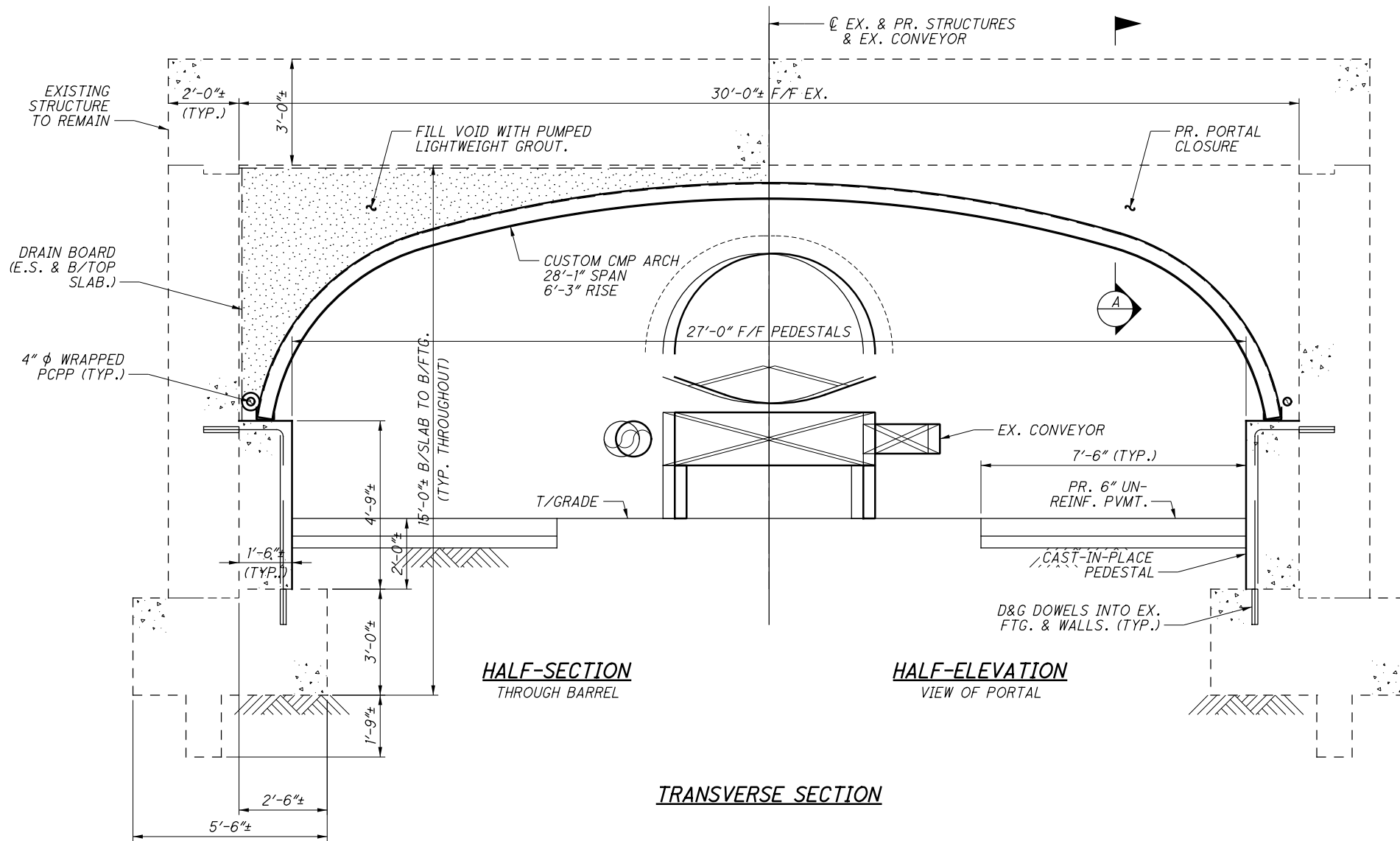
NOTES:

EXISTING SEGMENTS "X" ARE AS DESIGNATED IN THE RECORD PLANS.

LEGEND:

DIMS. - DIMENSIONS
 EX. - EXISTING
 F/ - FACE OF
 FTG. - FOOTING
 O/O - OUT-TO-OUT
 PR. - PROPOSED
 TOE/ - TOE OF
 U.N. - UNLESS NOTED

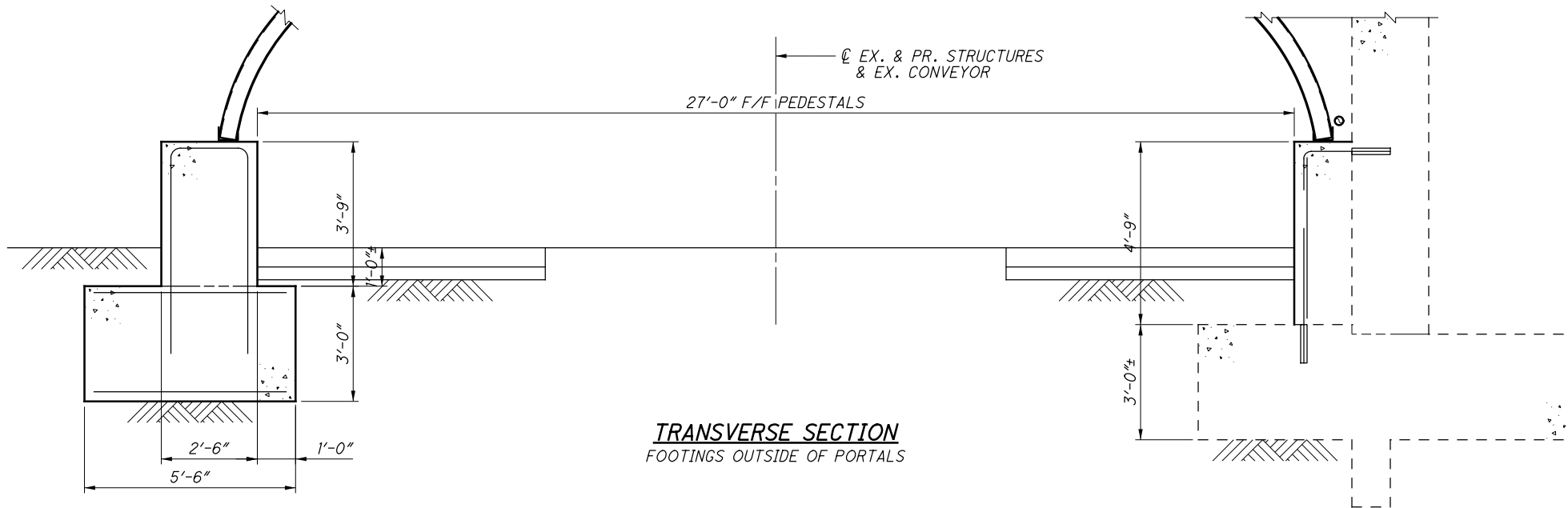
SFN	4101561
DESIGN AGENCY	M M
DESIGNER	MAR
CHECKER	MR
REVIEWER	RLD
DATE	04/20/22
PROJECT ID	110889
SUBSET	2
TOTAL	3
SHEET	P.07
TOTAL	8



HALF-SECTION THROUGH BARREL

HALF-ELEVATION VIEW OF PORTAL

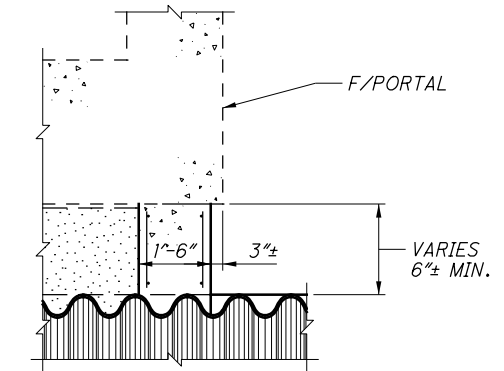
TRANSVERSE SECTION



TRANSVERSE SECTION FOOTINGS OUTSIDE OF PORTALS

NOTES:

EXISTING CONVEYOR IS TO BE PROTECTED AND REMAIN IN OPERATION UNINTERRUPTED THROUGHOUT.

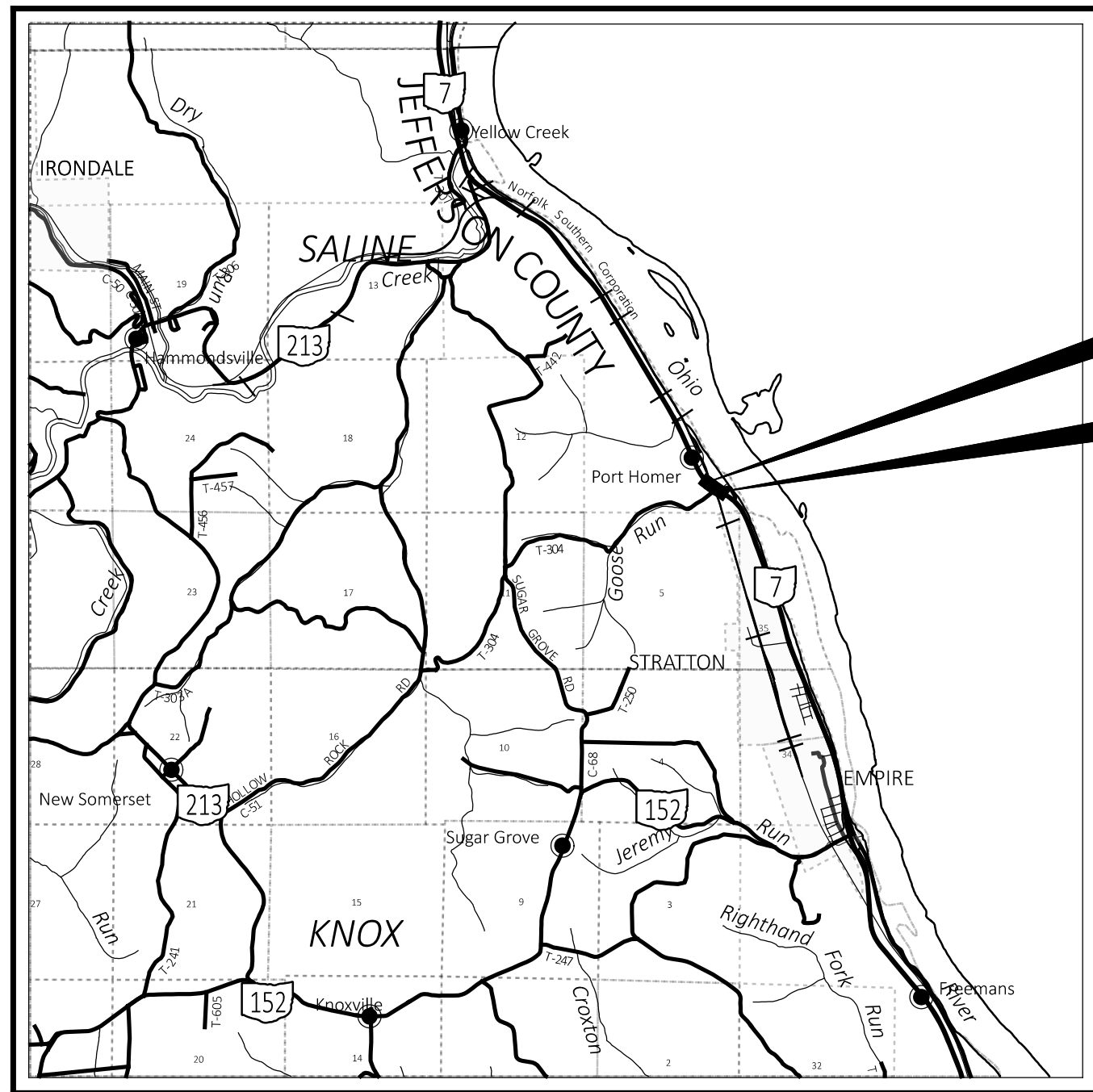


SECTION A-A THROUGH PORTAL

LEGEND:

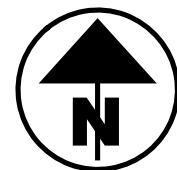
- B/ - BOTTOM OF
- CMP - CORRUGATED METAL PLATE
- D&G - DRILL AND GROUT
- E.S. - EACH SIDE
- EX. - EXISTING
- F/F - FACE-TO-FACE
- FTG. - FOOTING
- MIN. - MINIMUM
- PCPP - PERFORATED CORRUGATED PLASTIC PIPE
- PR. - PROPOSED
- PVMT. - PAVEMENT
- T/ - TOP OF
- TYP. - TYPICAL
- UNREINF. - UNREINFORCED

SFN	4101561
DESIGN AGENCY	M M
DESIGNER	MOTT MACDONALD
18013 CLEVELAND PKWY SUITE 200 CLEVELAND, OH 44135	
DESIGNER/CHECKER	MAR MR
REVIEWER	RLD 04/20/22
PROJECT ID	110889
SUBSET	3 TOTAL 3
SHEET	P.08 TOTAL 8



LOCATION MAP

LATITUDE: 40°32'26" LONGITUDE: 80°38'09"



PORTION TO BE IMPROVED	—————
INTERSTATE HIGHWAY	—————
FEDERAL ROUTES	—————
STATE ROUTES	—————
COUNTY & TOWNSHIP ROADS	—————
OTHER ROADS	—————

RIGHT OF WAY LEGEND SHEET JEF-007-30.92

JEFFERSON COUNTY SALINE TOWNSHIP SECTION 6 T-8-N, R-2-W

INDEX OF SHEETS:

LEGEND SHEET	1
PROPERTY MAP	2
SUMMARY OF ADDITIONAL R/W	3
TOPO SHEET	4
BOUNDARY SHEET	5

PROJECT DESCRIPTION

REPLACEMENT OF A TUNNEL UNDER S.R. 7 IN JEFFERSON COUNTY THAT CONTAINS A CONVEYOR. THIS WILL REQUIRE ONE PERMANENT RIGHT OF WAY EASEMENT AND TWO TEMPORARY EASEMENTS. PROJECT LENGTH IS 0.12 MILES. THE EXISTING AND PROPOSED RIGHT OF WAY ARE REFERENCED FROM THE EXISTING CENTERLINE OF RIGHT OF WAY OF S.R. 7.

PLANS PREPARED BY:

FIRM NAME : DYNOTEC, INC.
 R/W DESIGNER: ROBERT BOSWORTH
 R/W REVIEWER: CHRIS COOK
 FIELD REVIEWER: JEFF JONES
 PRELIMINARY FIELD REVIEW DATE: _____
 TRACINGS FIELD REVIEW DATE: _____
 OWNERSHIP UPDATED BY: _____
 DATE COMPLETED: _____
 PLAN COMPLETION DATE: _____

TYPES OF TITLE LEGEND:
 WL = FEE SIMPLE WITH LIMITATION OF ACCESS
 WD = WARRANTY DEED
 PRW = PROPERTY RIGHT FEE SIMPLE
 SH = STANDARD HIGHWAY EASEMENT
 LA = LIMITED ACCESS EASEMENT
 T = TEMPORARY EASEMENT
 CH = CHANNEL EASEMENT
 A = AERIAL EASEMENT
 SL = SLOPE EASEMENT
 PRE = PROPERTY RIGHT EASEMENT

STRUCTURE KEY

	RESIDENTIAL
	COMMERCIAL
	OUT-BUILDING

UNDERGROUND UTILITIES

Contact Two Working Days Before You Dig

OHIO811, 8-1-1, or 1-800-362-2764
(Non-members must be called directly)

UTILITY OWNERSHIP	
TYPE	NAME & ADDRESS
VILLAGE OF STRATTON	136 2ND STREET, PO BOX 145 STRATTON, OH 43961

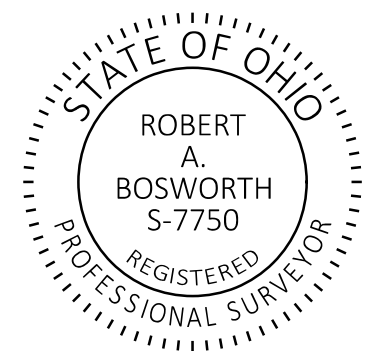
NOTES: THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE OBTAINED FROM THE OWNER OF THE UTILITIES AS REQUIRED BY SECTION 153.64 O.R.C.

UTILITIES ARE SHOWN AS FOUND ON THESE SITES IN RESPONSE TO OUPS TICKET #B134000531-00B DATED 12/20/2021.

I, Robert A. Bosworth, P. S. have conducted a survey of the existing conditions for the Ohio Department of Transportation between Oct. and Nov. 2022. The results of that survey are contained herein. The horizontal coordinates expressed herein are based on the Ohio State Plane Coordinates System North Zone on NAD 83 (2011) datum. The Project Coordinates (US Survey Feet) are relative to State Plane Grid Coordinates (US Survey Feet) by a Project Adjustment Factor of 1.00000000. As a part of this project I have reestablished the locations of the existing property lines and the existing centerline of Right of Way for property takes contained herein. As a part of this project I have established the proposed property lines, calculated the Gross Take, present roadway occupied (PRO), Net Take and Net Residue; as well as prepared the legal descriptions necessary to acquire the parcels as shown herein. As a part of this work I have set right of way monuments at the property corners, property line intersection, points along the right of way and/or angle points on the right of way, Section Corners and other points as shown herein. All of my work contained herein was conducted in accordance with Ohio Administrative Code 4733-37 commonly known as "Minimum Standards for Boundary Surveys in the State of Ohio" unless noted. The words I and my as used herein are to mean either myself or someone working under my direct supervision.

Robert A. Bosworth, Ohio Professional Land Surveyor 7750

Date:



DESIGN AGENCY



DESIGNER

RAB

REVIEWER

CMC 02-27-23

PROJECT ID

110889

SUBSET TOTAL

1 7

SHEET TOTAL

TOTAL NUMBER OF :

2 OWNERSHIPS 0 TOTAL TAKES
 3 PARCELS 0 OWNERSHIPS W/ STRUCTURES INVOLVED

NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE
 NET TAKE = GROSS TAKE - PRO IN TAKE

GRANTEE:
 ALL RIGHT OF WAY ACQUIRED IN THE NAME OF THE
STATE OF OHIO DEPARTMENT OF TRANSPORTATION
 UNLESS OTHERWISE SHOWN.

ALL AREAS IN ACRES

PARCEL NO.	OWNER	SHEET NO.	OWNERS RECORD		AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O	GROSS TAKE	P.R.O IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE		TYPE FUND	REMARKS	AS ACQUIRED	
			BOOK	PAGE								LEFT	RIGHT			BOOK	PAGE
1-SH	FIRSTENERGY GENERATION CORP.	2,4,5	OR 728	599	27-03005-000	13.269	4.869	0 (18.5 SF)	0.000	0 (18.5 SF)		3.499	4.901		5.8 SF OVERLAP WITH AN EXIST. SLOPE EASEMENT		
1-T1		2,4,5						0.136	0.000	0.136					FOR GRADING		
1-T2		2,4-7						0.519	0.000	0.519					FOR GRADING		
					29-03007-001	97.313	13.774										
					27-03021-001	16.311	0.171										
					TOTAL	126.893	18.814										
2	UNITED STATES OF AMERICA	2,6-7	DV 315	464	27-03005-000	13.269	4.869										

SUMMARY OF ADDITIONAL RIGHT OF WAY

JEF-007-30.92

MODEL: RS001 PAPER SIZE: 34x22 (in.) DATE: 3/1/2023 TIME: 10:06:37 AM USER: rbosworth
 N:\Jobs\2021\10051-01-30-1-JEF-007 Mett MacDonald LLC\210051_JEF-07\300-Survey\RW Plans\110889_RS001.dgn

TYPES OF TITLE LEGEND:
 T = TEMPORARY EASEMENT
 LA = LIMITED ACCESS EASEMENT


NOTE: ALL TEMPORARY PARCELS TO BE OF 12 MONTH DURATION.

NOTE: UNDER NO CIRCUMSTANCES ARE TEMPORARY EASEMENTS TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT BY THE CONTRACTOR UNLESS NOTED OTHERWISE.

* DENOTES RIGHT OF WAY ENCROACHMENT

REV. BY	DATE	DESCRIPTION
FIELD REVIEW BY	DATE:	
OWNERSHIP VERIFIED BY	DATE:	
DATE COMPLETED		

DESIGN AGENCY



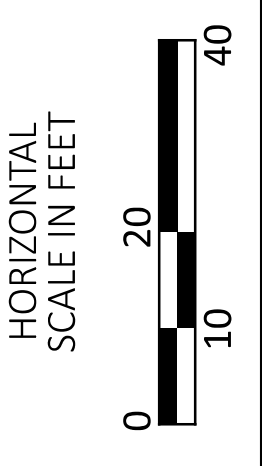
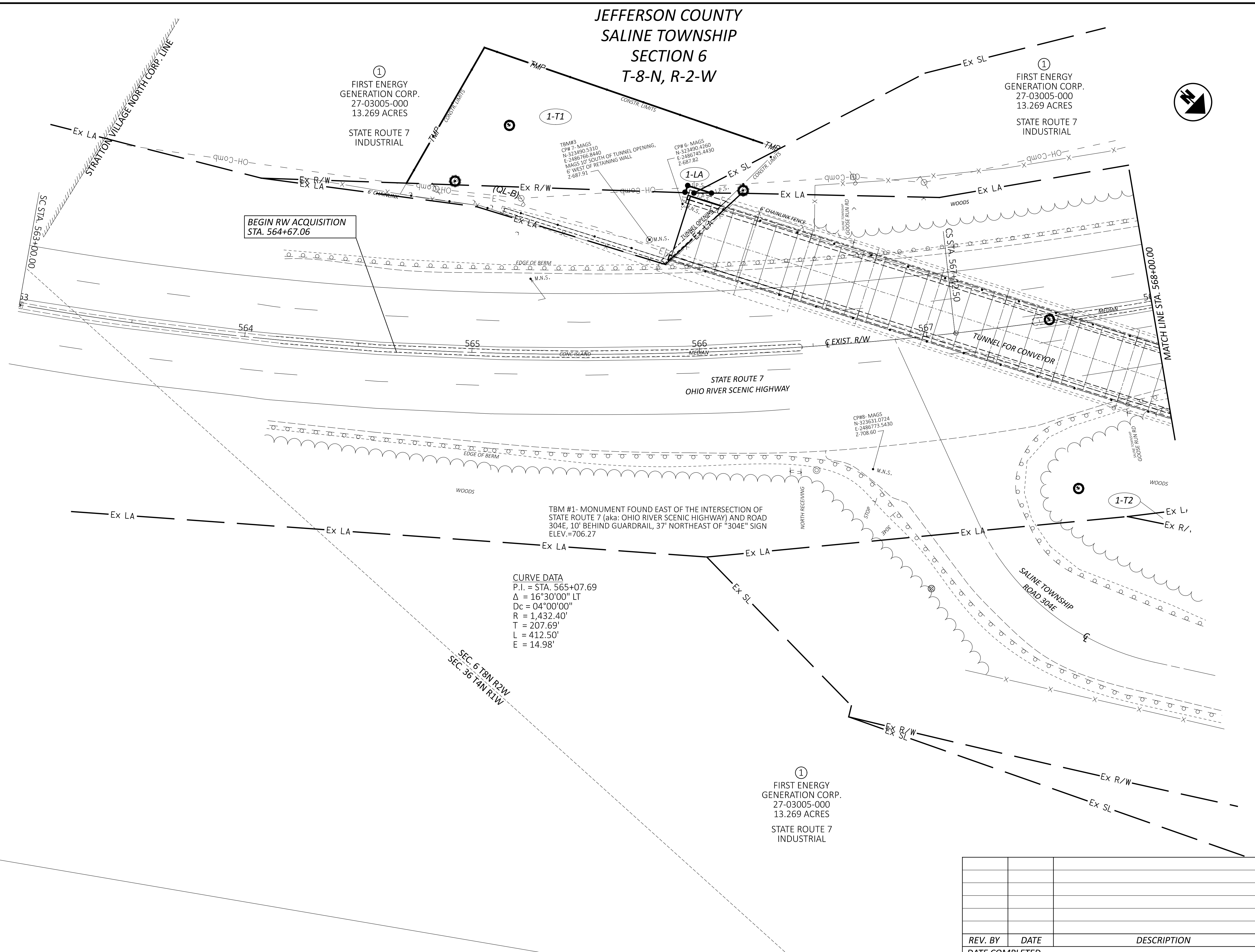
DESIGNER
RAB

REVIEWER
CMC 02-27-23

PROJECT ID
110889

SUBSET	TOTAL
3	7
SHEET	TOTAL

JEFFERSON COUNTY SALINE TOWNSHIP SECTION 6 T-8-N, R-2-W



CURVE DATA
 P.I. = STA. 565+07.69
 Δ = 16°30'00" LT
 Dc = 04°00'00"
 R = 1,432.40'
 T = 207.69'
 L = 412.50'
 E = 14.98'

TBM #1 - MONUMENT FOUND EAST OF THE INTERSECTION OF STATE ROUTE 7 (aka: OHIO RIVER SCENIC HIGHWAY) AND ROAD 304E, 10' BEHIND GUARDRAIL, 37' NORTHEAST OF "304E" SIGN ELEV.=706.27

BEGIN RW ACQUISITION STA. 564+67.06

REV. BY	DATE	DESCRIPTION

DATE COMPLETED

DESIGN AGENCY

DESIGNER
RAB

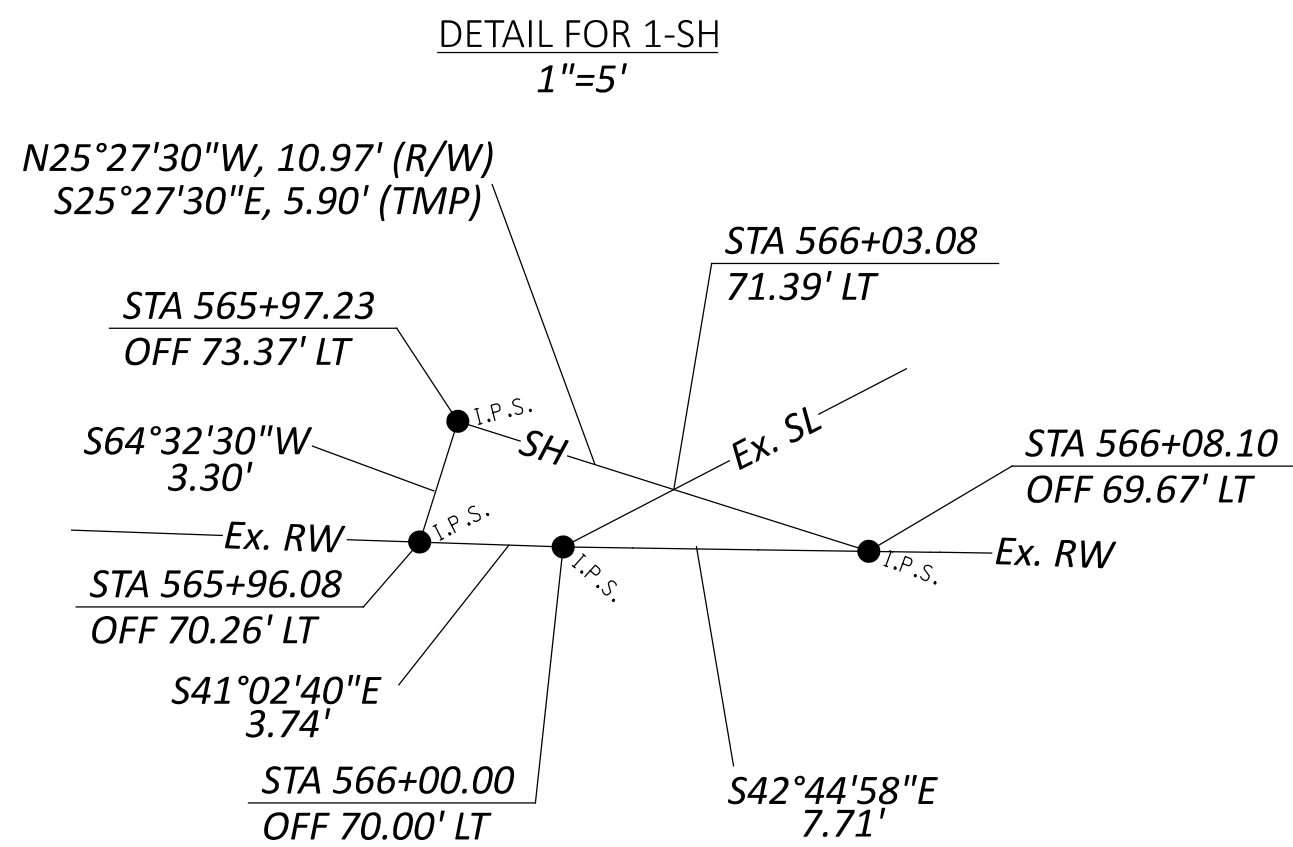
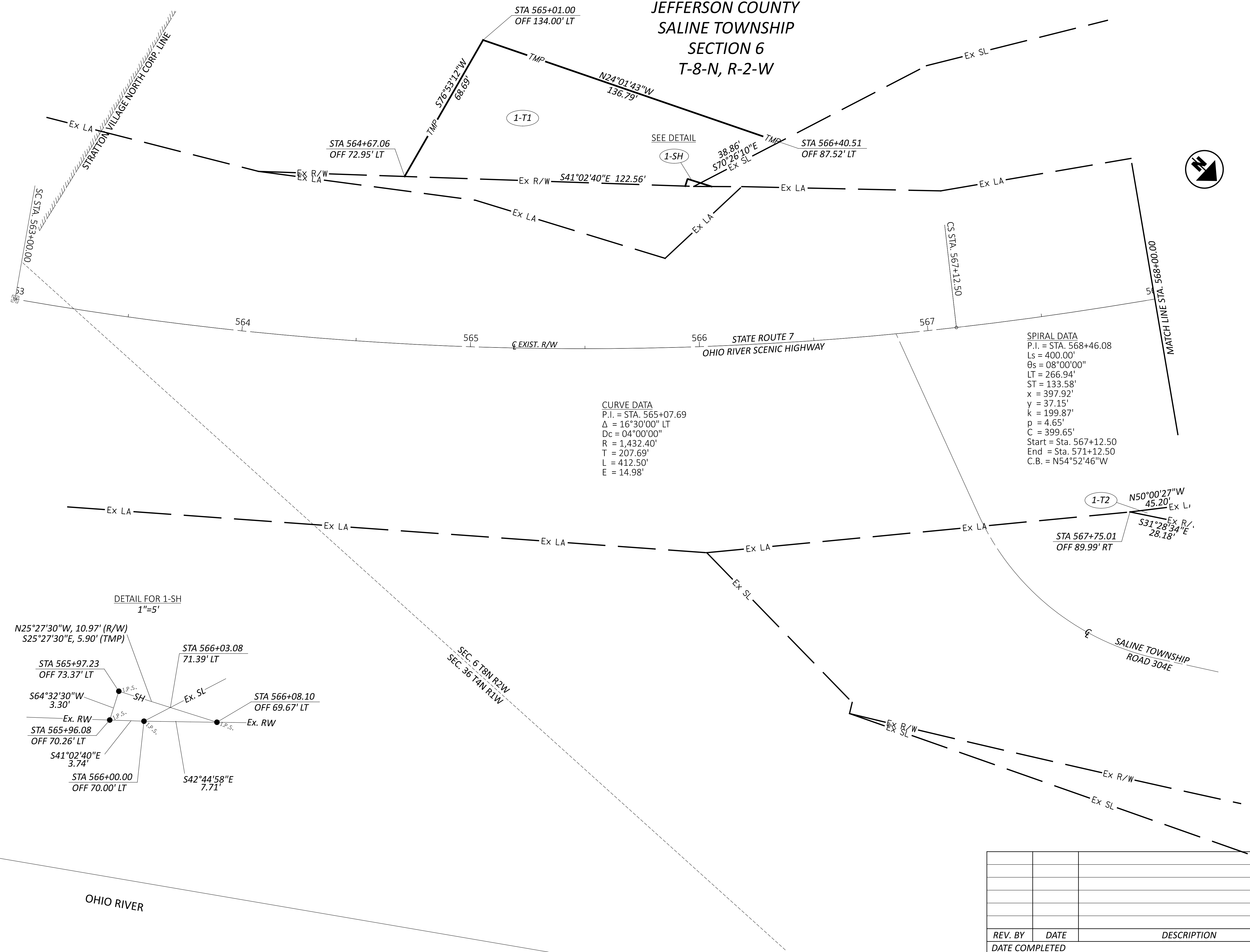
REVIEWER
CMC 02-27-23

PROJECT ID
110889

SHEET TOTAL
4 | 7

HORIZONTAL SCALE IN FEET

JEFFERSON COUNTY
 SALINE TOWNSHIP
 SECTION 6
 T-8-N, R-2-W



CURVE DATA
 P.I. = STA. 565+07.69
 Δ = 16°30'00" LT
 Dc = 04°00'00"
 R = 1,432.40'
 T = 207.69'
 L = 412.50'
 E = 14.98'

SPIRAL DATA
 P.I. = STA. 568+46.08
 Ls = 400.00'
 θ_s = 08°00'00"
 LT = 266.94'
 ST = 133.58'
 x = 397.92'
 y = 37.15'
 k = 199.87'
 p = 4.65'
 C = 399.65'
 Start = Sta. 567+12.50
 End = Sta. 571+12.50
 C.B. = N54°52'46"W

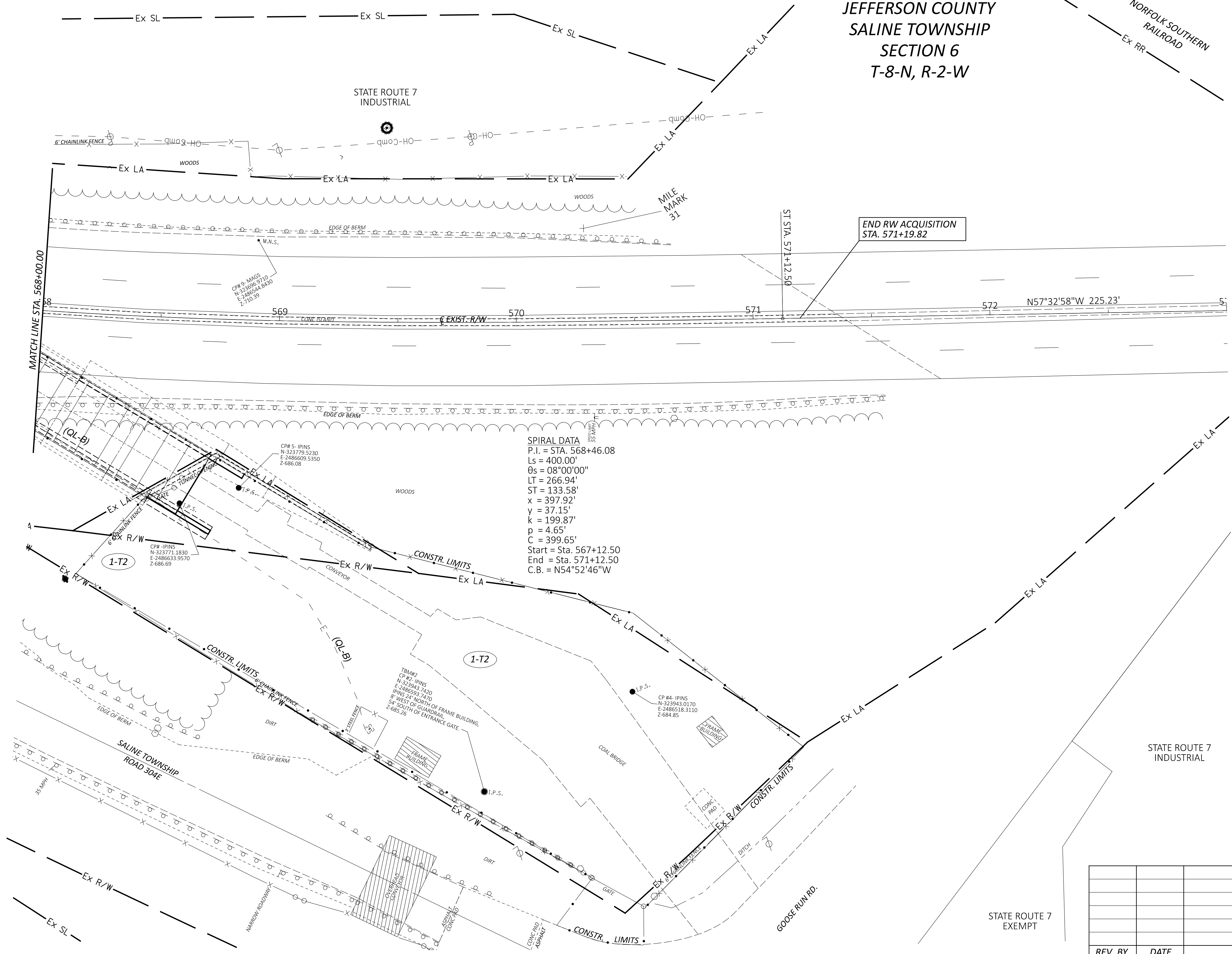
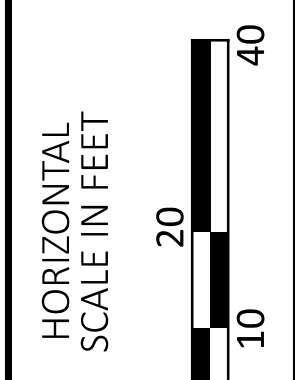
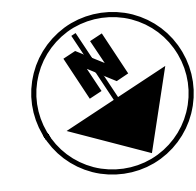
REV. BY	DATE	DESCRIPTION



DESIGNER	RAB
REVIEWER	CMC
PROJECT ID	110889
SHEET	5
TOTAL	7

JEFFERSON COUNTY
 SALINE TOWNSHIP
 SECTION 6
 T-8-N, R-2-W

NORFOLK SOUTHERN
 RAILROAD
 EX RR



SPIRAL DATA
 P.I. = STA. 568+46.08
 Ls = 400.00'
 $\theta_s = 08^\circ 00' 00''$
 LT = 266.94'
 ST = 133.58'
 x = 397.92'
 y = 37.15'
 k = 199.87'
 p = 4.65'
 C = 399.65'
 Start = Sta. 567+12.50
 End = Sta. 571+12.50
 C.B. = N54°52'46"W

END RW ACQUISITION
 STA. 571+19.82

RIGHT OF WAY TOPO SHEET
 Sta 568+00 to Sta 573+00

DESIGN AGENCY



DESIGNER
RAB

REVIEWER
 CMC 02-27-23

PROJECT ID
110889

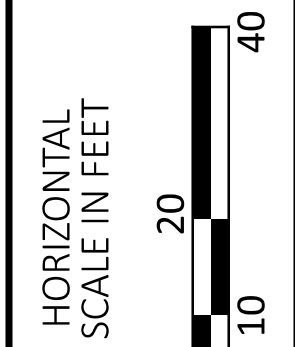
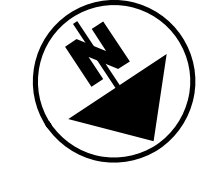
SHEET TOTAL
 6 | 7

REV. BY	DATE	DESCRIPTION

STATE ROUTE 7
 EXEMPT

JEFFERSON COUNTY
SALINE TOWNSHIP
SECTION 6
T-8-N, R-2-W

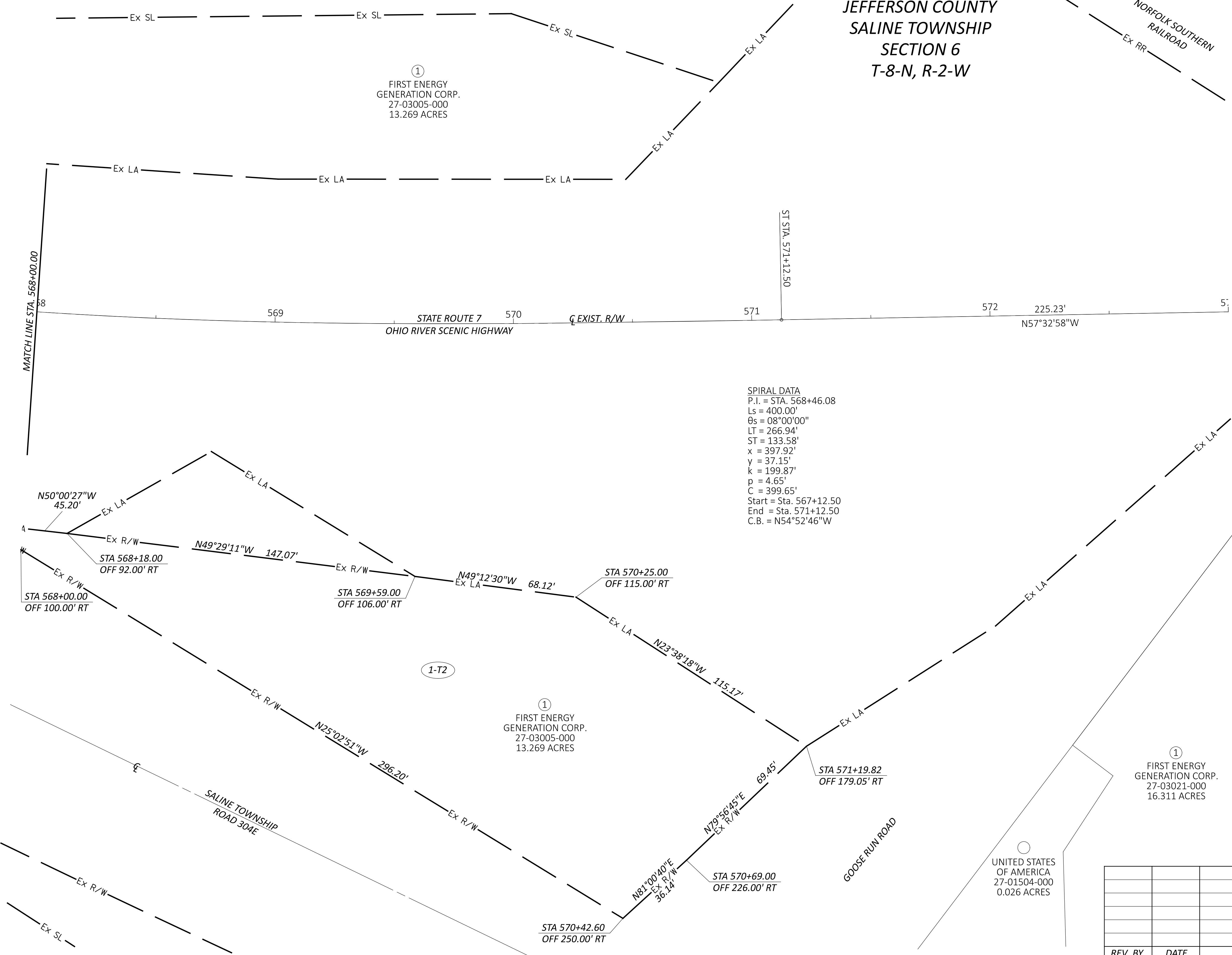
NORFOLK SOUTHERN
RAILROAD
Ex RR



①
FIRST ENERGY
GENERATION CORP.
27-03005-000
13.269 ACRES

MATCH LINE STA. 568+00.00

SPIRAL DATA
P.I. = STA. 568+46.08
Ls = 400.00'
θs = 08°00'00"
LT = 266.94'
ST = 133.58'
x = 397.92'
y = 37.15'
k = 199.87'
p = 4.65'
C = 399.65'
Start = Sta. 567+12.50
End = Sta. 571+12.50
C.B. = N54°52'46"W



1-T2

①
FIRST ENERGY
GENERATION CORP.
27-03005-000
13.269 ACRES

①
FIRST ENERGY
GENERATION CORP.
27-03021-000
16.311 ACRES

UNITED STATES
OF AMERICA
27-01504-000
0.026 ACRES

REV. BY	DATE	DESCRIPTION

DESIGN AGENCY



DESIGNER
RAB
REVIEWER
CMC 02-27-23
PROJECT ID
110889
SHEET TOTAL
7 7