

**AMERICAN TRANSMISSION SYSTEMS,
INCORPORATED
A FIRSTENERGY COMPANY**

CONSTRUCTION NOTICE

**Galion-Roberts South 138 kV Transmission Line
Loop to Selma Project**

Case No. 24-0668 -EL-BNR

October 2, 2024

**American Transmission Systems, Incorporated
76 South Main Street
Akron, Ohio 44308**

CONSTRUCTION NOTICE
Galion-Roberts South 138 kV Transmission Line
Loop to Selma Project

The following information is being provided in accordance with Chapter 4906-6 of the Ohio Administrative Code for the application and review of Accelerated Certificate Applications. Based upon the requirements found in Appendix A to Adm. Code 4906-1-01, this Project qualifies for submittal to the Ohio Power Siting Board (“Board”) as a Construction Notice.

4906-6-05: ACCELERATED APPLICATION REQUIREMENTS

4906-6-05 (B)(1): Name and Reference Number

Name of Project: Galion-Roberts South 138 kV Transmission Line
Loop to Selma Project (“Project”)

Reference Number: 2102

4906-6-05 (B)(1): Brief Description of the Project

In this Project, American Transmission Systems, Incorporated (“ATSI”), a FirstEnergy company, is proposing to construct an approximately 235-foot long 138 kV transmission line loop from the existing Galion-Roberts South 138 kV Transmission Line to the new Selma Substation. The Selma substation is currently under construction by Marion County Solar Project, LLC, and was approved and certificated in OPSB Case No. 21-0036-EL-BGN. Once the substation construction is complete, ownership of the substation will be transferred to ATSI.

The proposed 138 kV loop will require the installation of one (1) new three-pole steel strain/tap structure on concrete foundations (proposed Str. #3824B) and a 235-foot extension of the existing transmission line directly to the substation take off structure. In addition to the tap structure, the Project will require the replacement of two (2) existing switches along the existing transmission line centerline. The switch replacements will

require the removal of one existing structure (Str. #12016) which currently supports both existing switches, SW A-100 and SW A-121, that are being replaced with two new switches, one each on single monopole steel pole structures on concrete foundations (proposed Str. #3831B and Str.#3833B).

The general location of the Project is shown in **Exhibit 1**, a partial copy of the United States Geologic Survey Topographic Map, Marion County, OH, Quad Map. **Exhibit 2** is a partial copy of ESRI aerial imagery showing the Project area. The general layout is shown in **Exhibit 3 and 3a**. The Project is located in Marion Township, Marion County, Ohio.

4906-6-05 (B)(1): Construction Notice Requirement

The Project meets the requirements for a Construction Notice because the Project is within the types of projects defined by Items (1)(d)(i) and (2)(a) of the Application Requirement Matrix for Electric Power Transmission Lines, Appendix A of OAC 4906-101. Item (1)(d)(i) and (2)(a) states:

(1) New construction, extension, or relocation of single or multiple circuit electric power transmission line(s), or upgrading existing transmission or distribution line(s) for operation at a higher transmission voltage, as follows:

(d) Line(s) primarily needed to attract or meet the requirements of a specific customer or customers, as follows:

(i) The line is completely on property owned by the specific customer or the applicant.

(2) Adding new circuits on existing structures designed for multiple circuit use, replacing conductors on existing structures with larger or bundled conductors,

adding structures to an existing transmission line, or replacing structures with a different type of structure, for a distance of:

(a) Two miles or less.

The proposed Project is within the requirements of Item (1)(d)(i) because the proposed 138 kV transmission line loop is wholly located on the property of the customer Marion County Solar Project, LLC. The Project also is within the requirements of Item (2)(a) because it requires the addition of new structures on an existing transmission line for two miles or less.

4906-6-05 (B)(2): Need For the Project

This Project is needed to accommodate the Marion County Solar Project, LLC., which was approved by the OPSB in Case No. 21-0036-EL-BGN on November 18, 2021.

PJM has assigned the network upgrade identification number n6708 for the proposed Galion-Roberts South 138 kV Transmission Line Loop into the new Selma Substation.

4906-6-05 (B)(3): Location of the Project Relative to Existing or Proposed Lines

The location of the Project relative to existing or proposed lines is shown in the ATSI Transmission Network Map, included as part of the confidential portion of the FirstEnergy Corp. 2024 Long-Term Forecast Report (“LTFR”). This map was submitted to the Public Utilities Commission of Ohio (“PUCO”) in Case No. 24-0504-EL-FOR under Rule 4901:5-5:04 (C)(2)(b) of the Ohio Administrative Code. This map is incorporated by reference only. The Project is included on page 67 in the 2024 LTFR. The general location and layout of the project area is shown in **Exhibits 1 and 2**.

4906-6-05 (B)(4): Alternatives Considered

No alternatives were considered for this Project as there were no other viable transmission solutions. The Galion-Roberts South 138 kV Transmission Line offers the

most direct and economical solution with the least environmental impacts, for a transmission connection to Selma Substation.

4906-6-05 (B)(5): Public Information Program

ATSI's manager of External Affairs will advise local officials of features and the status of the proposed Project as necessary. ATSI will maintain a copy of this Construction Notice, along with other Project information, on FirstEnergy's website:

https://www.firstenergycorp.com/about/transmission_projects/ohio.html.

During all phases of this Project, the public may ask questions, submit comments or contact ATSI through the transmission projects hotline at 1-888-311-4737 or via email at: transmissionprojects@firstenergycorp.com.

4906-6-05 (B)(6): Construction Schedule

Construction for this Project is expected to begin as early as February 2025 and completed by May 2025.

4906-6-05 (B)(7): Area Map

Exhibit 1 provides a partial copy of the United States Geologic Survey, Marion County, OH, Quad Map. **Exhibit 2** provides a partial copy of ESRI aerial imagery of the Project area.

4906-6-05 (B)(8): Property Owner List

The proposed loop portion of the Project is located wholly within property that was secured by Marion County Solar Project, LLC (parcel number 190040012100) per OPSB Case No. 21-0036-EL-BGN.

The proposed structure addition/ switch replacement portion of the Project is located wholly within ATSI's existing right of way on a single property (parcel ID 412270000500). No new easement will be needed for the completion of the project.

4906-6-05 (B)(9): TECHNICAL FEATURES OF THE PROJECT

4906-6-05 (B)(9)(a): Operating Characteristics

The transmission line construction will have the following characteristics:

Voltage:	138 kV
Conductors:	795 kcmil 26/7 ACSR
Static Wire:	7#8 Alumoweld
Insulators:	Porcelain and Glass
ROW Width:	100 ft
Structure Types:	Exhibit 4: 138 kV Double Circuit Steel Pole Strain, Three-Pole Tap Structure Exhibit 5: 138 kV Single Circuit Steel Pole Strain, Switch Structure

4906-6-05 (B)(9)(b): Electric and Magnetic Fields

There are no occupied residences or institutions within 100 feet from the proposed transmission line centerline and therefore no Electric and Magnetic Field ("EMF") calculations are required by this subsection.

4906-6-05 (B)(9)(c): Estimated Cost

The estimated cost for the proposed Project is \$4,245,000. These costs are fully reimbursable from the customer.

4906-6-05 (B)(10): SOCIAL AND ECOLOGICAL IMPACTS

4906-6-05 (B)(10)(a): Land Uses

The Project is located in Marion Township, Marion County, Ohio. The Project area is on existing right of way in an area of agricultural and industrial use.

4906-6-05 (B)(10)(b): Agricultural Land

A list of all agricultural land and acreage, including agricultural district land, is provided in **Exhibit 6**.

4906-6-05 (B)(10)(c): Archaeological or Cultural Resources

As part of the investigation for this Construction Notice, TRC Companies, Inc. (TRC) submitted a request to the Ohio Historic Preservation Office (OHPO) on behalf of ATSI to review and provide comments on May 22, 2024, for the Project Study Area (Area of Potential Effects or APE) with a one (1)-mile search radius. On July 10, 2024, SHPO replied to the request and the response is attached as **Exhibit 7**. SHPO concurred that the Project, as proposed, will not affect any historic properties or cultural resources. No further coordination is required unless the scope of work changes or new/additional archaeological deposits are discovered during construction.

The SHPO database also includes the Ohio Historic Inventory (“OHI”), the Ohio Archaeological Inventory (“OAI”), previous cultural resource surveys, and the Ohio Genealogical Society (“OGS”) cemetery inventory. The SHPO database includes a catalog of all historic properties listed in or eligible for listing in the National Register of Historic Places (NRHP), including districts, sites, building, structures, and objects that are significant in American history, architecture, archeology, engineering, and culture. The data revealed one (1) NRHP-listed above-ground historic resource, the Marion Township Sub-District #8 School (Ref. No.: 07000027), which is located 0.97-mile northeast of the proposed Project. Additionally, there are three (3) above-ground historic resources (DOE ID 1217, 3050, and 83509) that have been recommended as potentially eligible recorded 0.75 mile north-northwest, 0.76-mile northeast, and 0.67 mile southeast, respectively, of the proposed Project. A map of the surveyed area and a summary of these sites are also listed in **Exhibit 7**.

The Study Area for the proposed Project measures approximately 5.45 acres in size. While there are several buildings in the area that are over 50 years of age, all repaired or replaced infrastructure will be at or below existing height, therefore, no new visual impacts are anticipated. A review of modern aerial imagery shows the Study Area within the existing overhead utility corridor that is composed of agricultural fields. The proposed Project will not have any adverse effects on known historic properties.

4906-6-05 (B)(10)(d): Construction Filings with Local, State and Federal Governmental Agencies

Table 1 shows the list of government agency requirements for the Project.

Table 1. List of Government Agency Requirements.

Agency	Documents
ODOT	Temporary Access Permit

4906-6-05 (B)(10)(e): Endangered, Threatened, Rare and Designated Species Investigation

As part of the investigation, ATSI retained TRC to conduct necessary surveys. TRC submitted a request to the Ohio Department of Natural Resources (“ODNR”) Office of Real Estate to conduct an Environmental Review. As part of the Environmental Review, the ODNR Office of Real Estate conducted a search of the ODNR Division of Wildlife’s Natural Heritage Database to research the presence of any endangered, threatened, or rare species within one (1) mile of the Project Study Area. The ODNR’s Office of Real Estate’s response on June 20, 2024, stated that there are no records of state or federally listed plants or animals within one mile of the specified Project area. A copy of ODNR’s Office of Real Estate’s response is included as **Exhibit 8**. A list of all endangered, threatened, and rare species, as identified by ODNR, within the range of the Project is provided in Table 2.

Table 2. List of Endangered, Threatened, and Rare Species Within Range of Project Study Area

Common Name	Scientific Name	State Listed Status	Federal Listed Status	Affected Habitat
Bird				
Northern harrier	<i>Circus hudsonius</i>	Endangered	N/A	Large marshes and grasslands.
Mammals				
Indiana Bat	<i>Myotis sodalis</i>	Endangered	Endangered	Trees and forests.
Little Brown Bat	<i>Myotis lucifugus</i>	Endangered	N/A	Trees and forests.
Northern Long-eared Bat	<i>Myotis septentrionalis</i>	Endangered	Endangered	Trees and forests.
Tricolored Bat	<i>Perimyotis subflavus</i>	Endangered	N/A	Trees and forests.
Mussels				
Clubshell	<i>Pleurobema clava</i>	N/A	Endangered	Freshwater perennial streams.
Pondhorn	<i>Unio merus tetralasmus</i>	Threatened	N/A	Freshwater perennial streams.
Rabbitsfoot	<i>Quadrula cylindrica cylindrica</i>	N/A	Threatened	Freshwater perennial streams.
Rayed bean	<i>Villosa fabalis</i>	N/A	Endangered	Freshwater perennial streams.
Snuffbox	<i>Epioblasma triquetra</i>	N/A	Endangered	Freshwater perennial streams.

As part of the investigation, TRC also submitted a request to the US Fish and Wildlife Service (“USFWS”) for an Ecological Review to research the presence of any endangered, threatened, rare, or designated species within one (1) mile of the Project Area. A copy of USFWS’s Ecological Review response, dated June 3, 2024, is included as **Exhibit 9**. The response states that due to the Project, type, size, and location, no adverse effects to federally endangered, threatened, or proposed species or proposed or designated critical habitat are anticipated.

The response also indicated that the Project is within the range of the Indiana bat (*Myotis sodalis*), a state endangered and federally endangered species; the northern long-eared bat (*Myotis septentrionalis*), a state endangered and federally endangered species; the little brown bat (*Myotis lucifugus*), a state endangered species; and the tricolored bat (*Perimyotis subflavus*), a state endangered species. Currently as proposed, no tree clearing is anticipated within the Project Study Area; therefore, the Project will not impact these bat species. The DOW recommended a desktop bat hibernaculum assessment be completed for the Project, which TRC completed for ATSI and submitted

to ODNR for concurrence on June 28, 2024. ODNR responded on July 2, 2024, attached as **Exhibit 10**, concurring that no caves, cliffs, or mine openings occur in the Project Area. Therefore, the Project is not likely to impact hibernating bats. No tree cutting or subsurface impacts to a hibernaculum are proposed, therefore this Project will not impact these species.

The Project is within the range of the following federally listed mussel species: clubshell (*Pleurobema clava*), rayed bean (*Villosa fabalis*), snuffbox (*Epioblasma triquetra*), rabbitsfoot (*Quadrula cylindrica cylindrica*), and the state threatened pondhorn (*Uniomerus tetralasmus*). The DOW recommends no in-water work in perennial streams from March 15 through June 30 to reduce impacts to indigenous aquatic species and their habitat. Due to the Project location, and that there is no in-water work proposed in a perennial stream of sufficient size, this Project will not impact these species.

The Project is also within the range of the northern harrier (*Circus hudsonius*), a state endangered bird. Northern harriers often nest in loose colonies and hunt over grasslands. Due to the extensive surrounding agricultural land use and a lack of suitable habitat within the Project Study Area, this species is not likely present, and impacts are not anticipated.

4906-6-05 (B)(10)(f): Areas of Ecological Concern

TRC conducted a wetland and stream delineation for this Project on May 1, 2023, as shown in Exhibit 11. The Project Study Area is approximately 5.45 acres, located in Marion Township, Marion County, Ohio. No wetland or waterbody resources were identified or delineated within the Project Study Area. The Project Study Area consists of an existing, transmission line right-of-way (ROW) and active row cropping within agricultural land use. TRC did not observe the presence of any of the threatened and/or endangered species or habitat during the field investigation due to the highly maintained nature of the utility ROW and agricultural land use.

The Limits of Disturbance (LOD) will be completely within the Study Area and will predominantly include an access road measuring approximately 20-ft wide, along with a

50-ft by 50-ft work and staging area surrounding the structure replacements. NWP 57 (effective March 15, 2021, valid through March 14, 2026), authorizes the construction of access roads for the construction and maintenance of electric utility lines or telecommunication lines, including overhead lines and substations, in nontidal waters of the United States, provided the activity does not cause the loss of greater than 0.5-acre of waters of the United States. Nationwide Permit Regional General Conditions were reviewed regarding this Project. This Project is located in Marion Township, Marion County, Ohio, which is within the US Army Corps of Engineers (USACE) Huntington Regulatory District. The Project location is not listed in Appendix 1 to Regional General Condition 5(a) (Endangered Species and Threatened Species). Since there will not be any wetland impacts and NWP 57 conditions are met and not exceeded, there is no potential trigger for a Section 404 Pre-Construction Notification to USACE.

A review of the National Conservation Easement Database (www.conservationeasement.us) revealed no conservation easements in the Project Study Area.

4906-6-05(B)(10)(g): Other Information

Construction and operation of the proposed Project will be in accordance with the requirements specified in the latest revision of the National Electrical Safety Code as adopted by the PUCO and will meet all applicable safety standards established by the Occupational Safety and Health Administration.

No other or unusual conditions are expected that will result in significant environmental, social, health or safety impacts.

4906-6-07: Documentation of Construction Notice Transmittal and Availability for Public Review

This Construction Notice is being sent concurrently with docketing to the following officials in the Marion Township, Marion County, Ohio. A copy will also be provided to the Marion Public Library for public review/reference.

Marion County

Kerr Murray
Marion County Commissioner
222 West Center Street
Marion, OH 43302
kmurray@co.marion.oh.us

Andy Appelfeller
Marion County Commissioner
222 West Center Street
Marion, OH 43302
aappelfeller@co.marion.oh.us

Mark Davis
Marion County Commissioner
222 West Center Street
Marion, OH 43302
mdavis@co.marion.oh.us

Bradley Irons P.E. P.S.
Marion County Engineer
222 West Center Street
Marion, OH 43302
birons@co.marion.oh.us

Marion Soil and Water Conservation
District
1100 East Center Street
Marion, Ohio 43302
aeno@landcan.org

Marion Township

Larry Ballinger
Marion Township
Trustee
1228 E Fairground St.
Marion, OH 43302
lballinger@mariontwp.org

Karen McCleary
Marion Township
Trustee
1228 E Fairground St.
Marion, OH 43302
karen.mccleary09@gmail.com

Ben Creasap
Marion Township
Trustee
1228 E Fairground St.
Marion, OH 43302
midnightlynx@hotmail.com

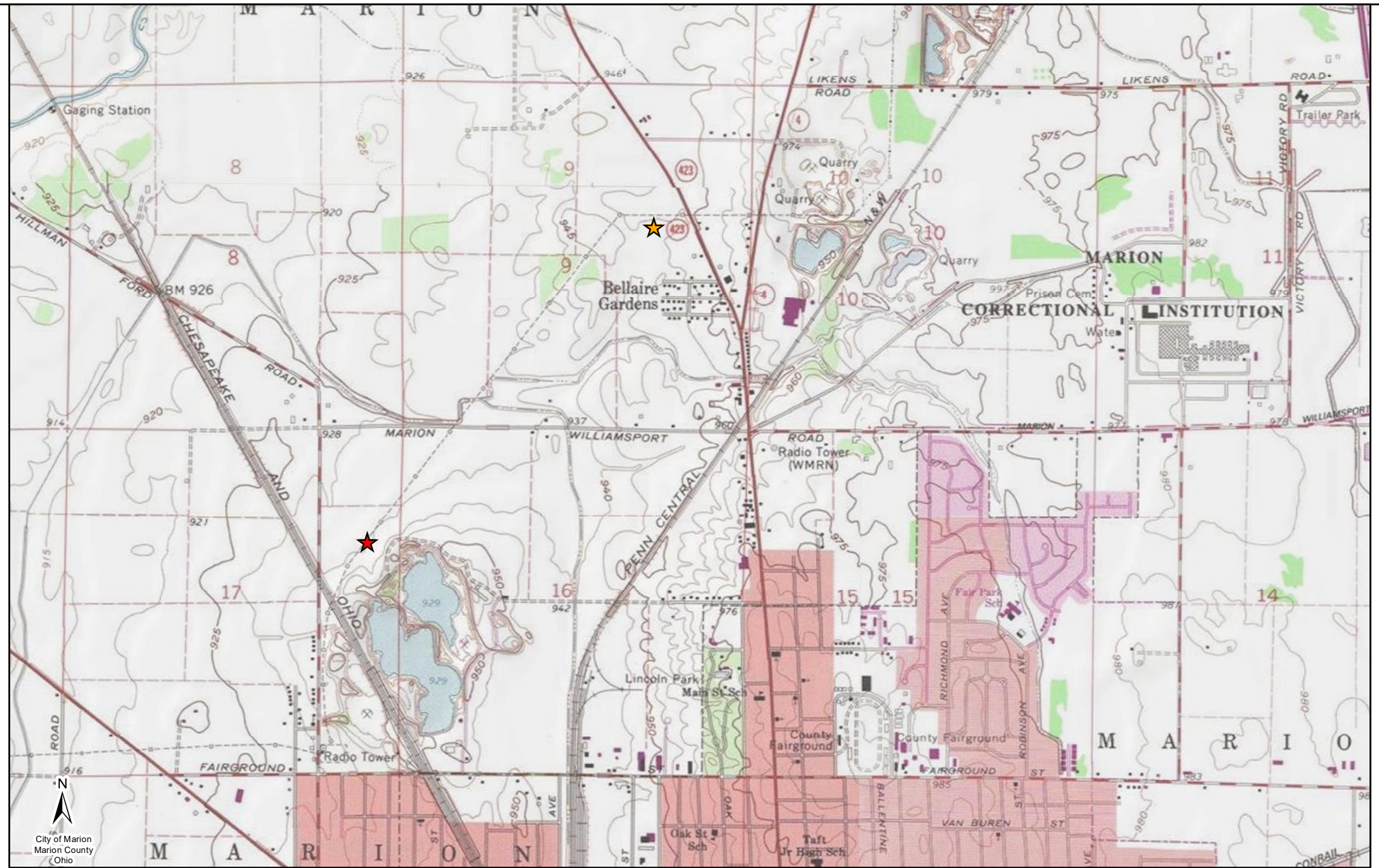
Sheila Perin
Marion Township
Fiscal Officer
1228 E Fairground St.
Marion, OH 43302
sperin@mariontwp.org

Library

Gary Branson
Director
Marion Public Library
445 E. Church Street
Marion, OH 43302
director@marionlibrary.org

Pursuant to OAC Rule 4906-6-07(B), exemplar copies of notice letters sent to local government officials and to the library have been included with this application as proof of compliance with OAC Rules 4906-6-07(A)(1) and 4906-6-07(A)(2).

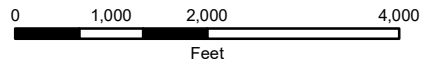
Information is posted at www.firstenergycorp.com/about/transmission_project/ohio.html on how to request an electronic or paper copy of this Construction Notice application. The link to this website is being provided in accordance with OAC Rule 4906-6-07(B), which requires ATSI to provide the Board with proof of compliance for OAC Rule 4906-6-07(A)(3).



City of Marion
Marion County
Ohio

LEGEND:

- ★ Switch Project Area
- ★ Loop Project Area



Reference:

USGS Topographical Overlay
Coordinate System:
 NAD 1983 StatePlane Ohio North FIPS 3401 Feet
 Projection: Lambert Conformal Conic; Units: Foot US



EXHIBIT 1

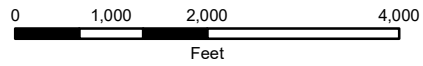


**Galion-Roberts South 138 kV Transmission Line
 Loop to Selma Project**



N
 City of Marion
 Marion County
 Ohio

- LEGEND:**
- ★ Switch Project Area
 - ★ Loop Project Area



Reference:
 ESRI Aerial Imagery

Coordinate System:
 NAD 1983 StatePlane Ohio North FIPS 3401 Feet
 Projection: Lambert Conformal Conic; Units: Foot US

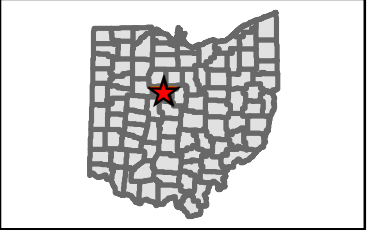


EXHIBIT 2

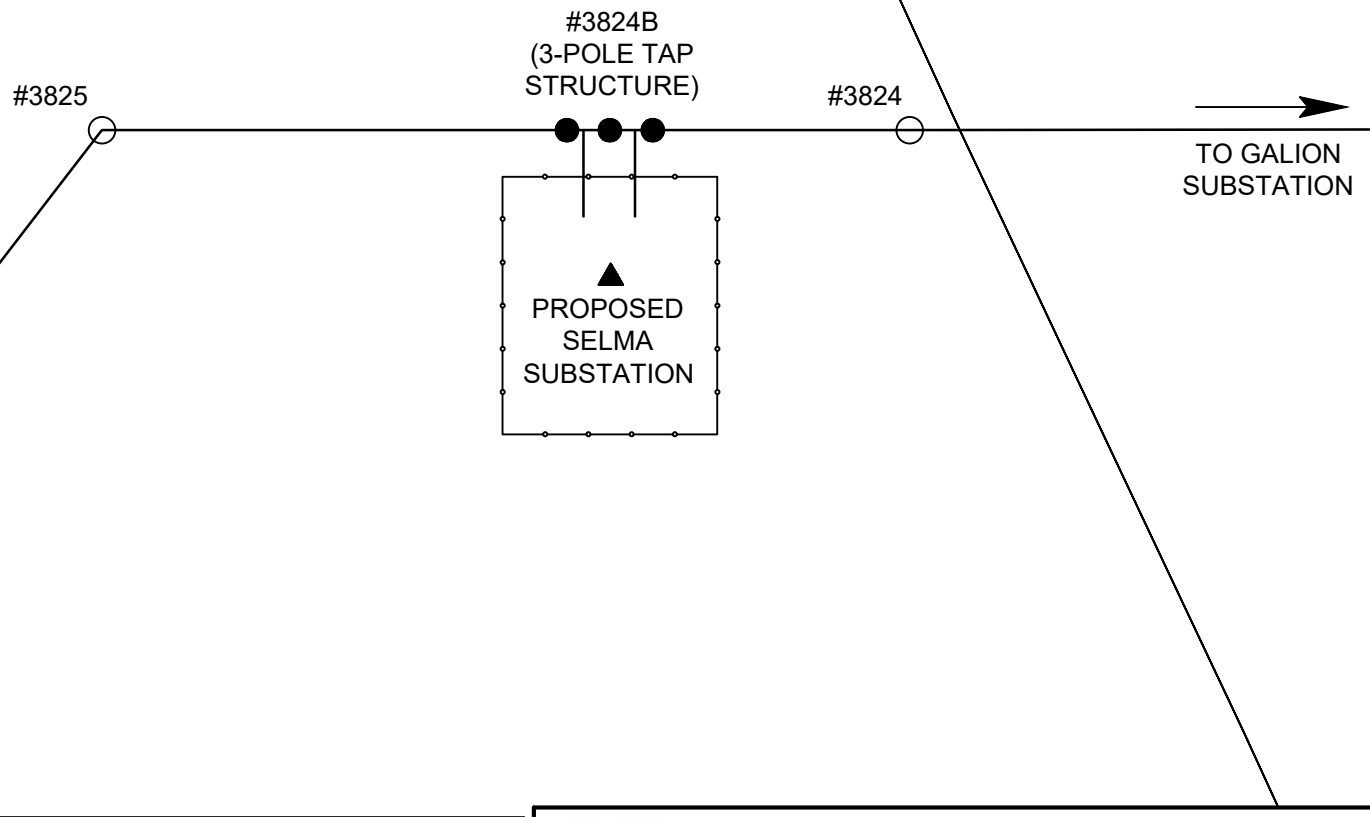


**Galion-Roberts South 138 kV Transmission Line
 Loop to Selma Project**



MARION COUNTY
STATE OF OHIO

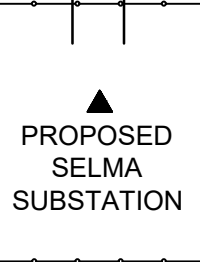
MARION UPPER
SANDUSKY ROAD



TO ROBERTS
SUBSTATION

TO GALION
SUBSTATION

#3824B
(3-POLE TAP
STRUCTURE)



PROPOSED
SELMA
SUBSTATION

LEGEND	
▲	- SUBSTATION
○	- EXIST TOWER
●	- NEW STRUCUTRE
—	- TRANSMISSION CENTERLINE
—○—	- FENCE BOUNDARY

ATSI
American Transmission Systems, Inc.
a subsidiary of FirstEnergy Corp.

Galion-Roberts South 138 kV Transmission Line
Loop to Selma Project

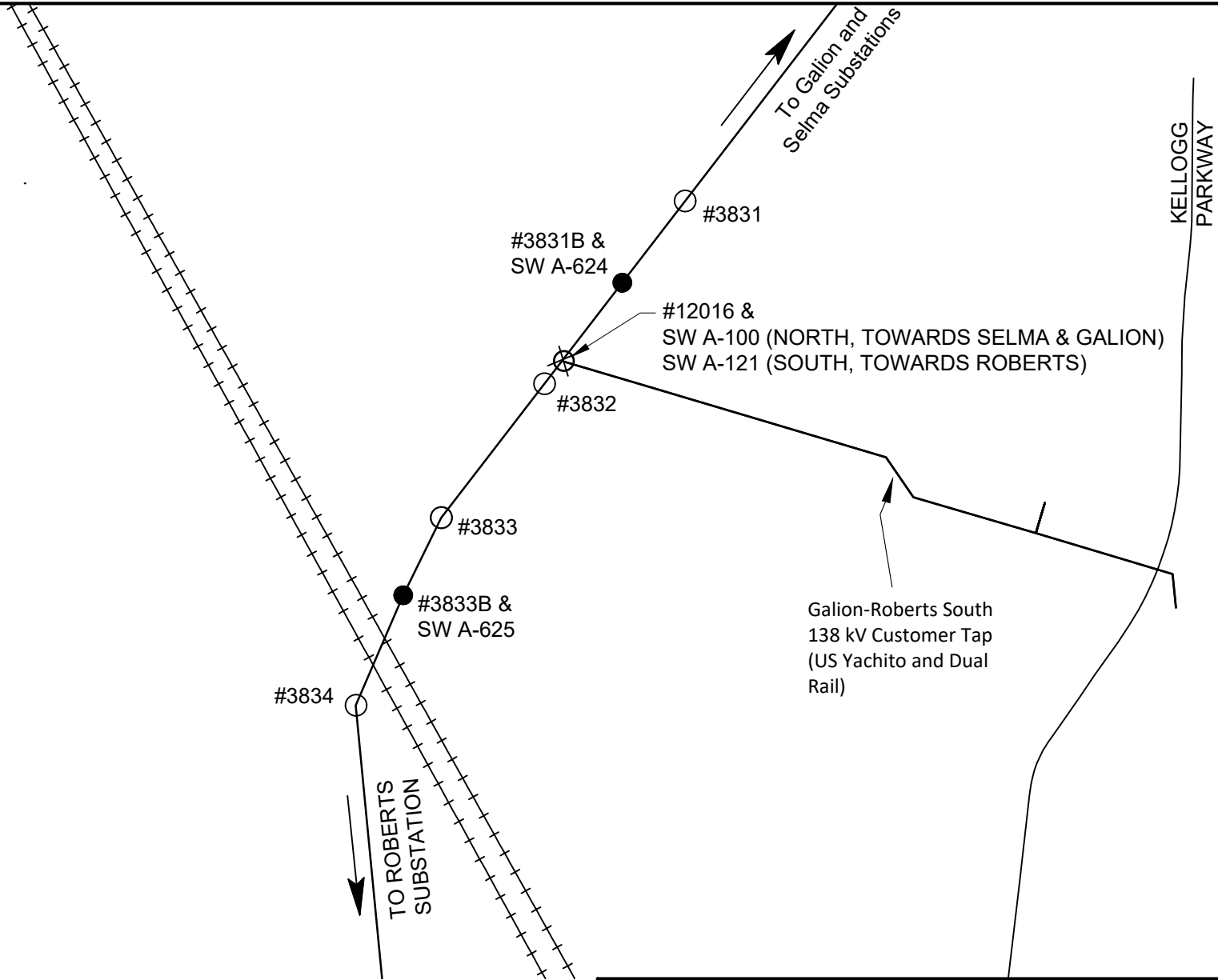
GENERAL LAYOUT

EXHIBIT 3

PAPER SIZE: 11X8.5

SCALE: NTS

MARION COUNTY
STATE OF OHIO



LEGEND

- - EXIST TOWER/SWITCH POLE
- ⊗ - EXISTING STRUCTURE TO BE REMOVED
- - NEW STRUCUTRE
- - TRANSMISSION CENTERLINE
- + + - EXISTING RAILROAD

ATSI

American Transmission Systems, Inc.
a subsidiary of FirstEnergy Corp.

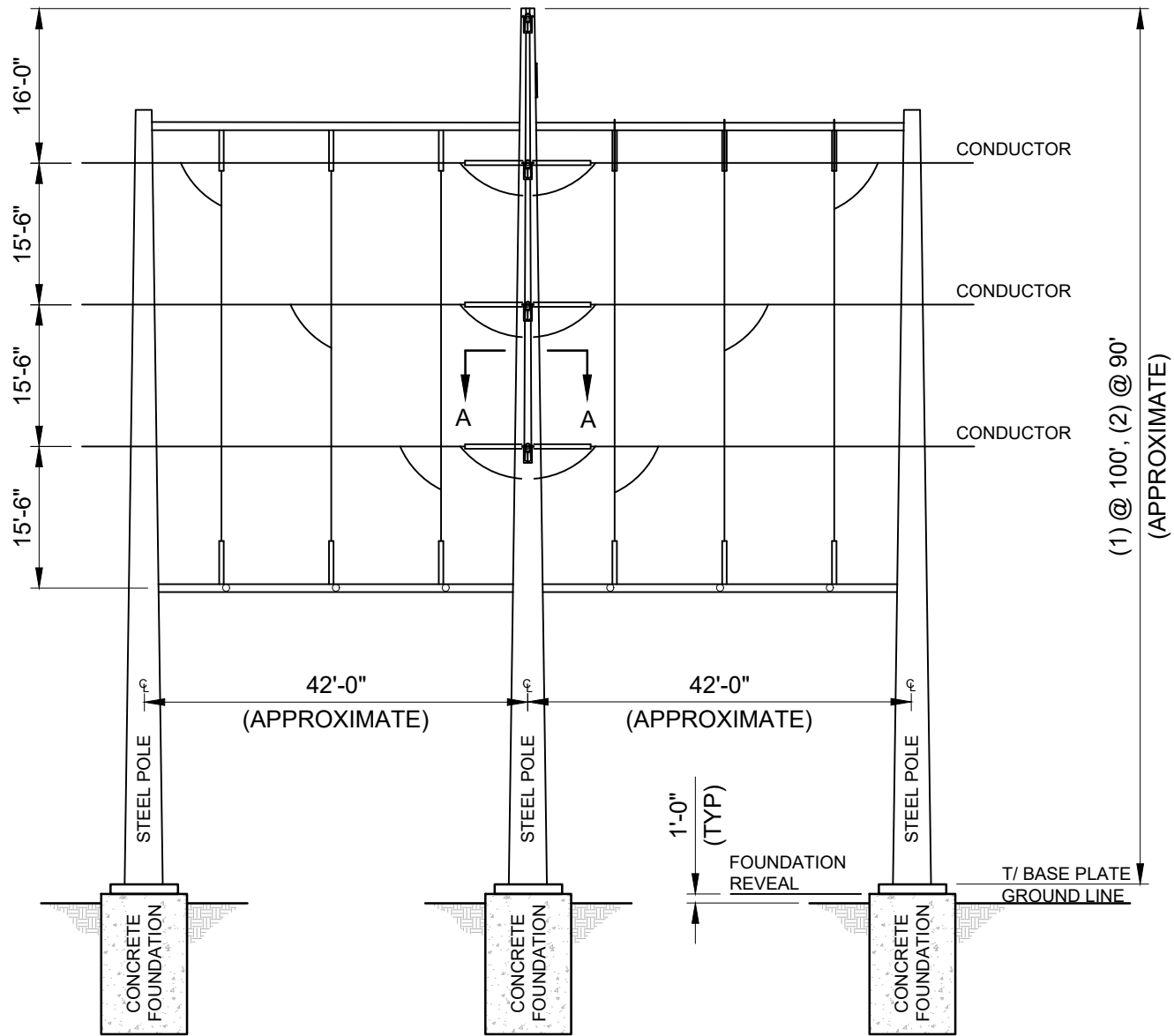
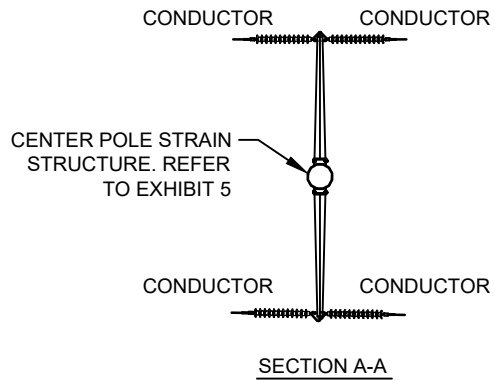
Galion-Roberts South 138 kV Transmission Line
Loop to Selma Project

GENERAL SWITCH LAYOUT

EXHIBIT 3A

SCALE: NTS

PAPER SIZE: 11X8.5



ATSI

American Transmission Systems, Inc.
a subsidiary of FirstEnergy Corp.

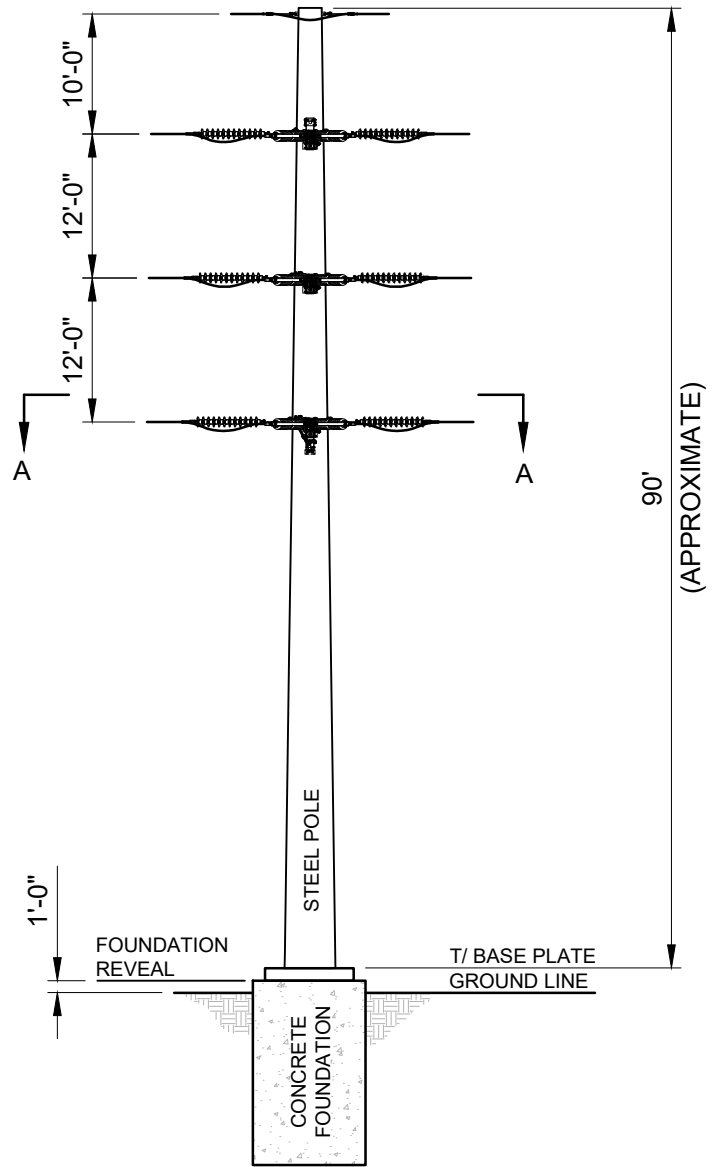
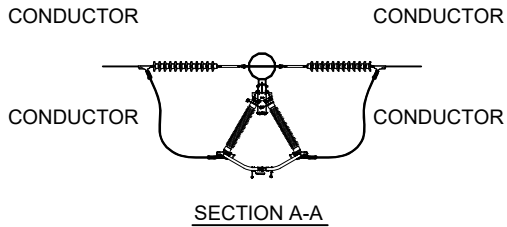
Galion-Roberts South 138 kV
Transmission Line Loop to Selma Project

138kV DOUBLE CIRCUIT STEEL POLE STRAIN,
THREE-POLE TAP STRUCTURE

EXHIBIT 4

PAPER SIZE: 11X8.5

SCALE: NTS



PAPER SIZE: 8.5X11

NOTES: EXHIBIT DEPICTION CAN BE APPLIED TO ANY TYPE OF SINGLE CIRCUIT SWITCH STEEL POLE WITH STRAIN CONFIGURATION.

SCALE: NTS

ATSI

American Transmission Systems, Inc.
a subsidiary of FirstEnergy Corp.

Galion-Roberts South 138 kV
Transmission Line Loop to Selma Project

138kV SINGLE CIRCUIT STEEL POLE
STRAIN, SWITCH

EXHIBIT 5

APN	Acreage	Easement Status	Agricultural District (Yes/No)	Agricultural District Expiration Year
190040012100	756.111	Existing	Yes	2027
412270000500	76.002	Existing	No	N/A

*Note: This list of affected landowners is for “impacted” parcels only and the subject list is NOT for mailing purposes.

Exhibit 6



In reply refer to:
2024-MAR-61567

July 10, 2024

Justin McKissick, MA, RPA
Project Archaeologist/Field Director
TRC Environmental Corporation
317 E Carson Street, Suite 113
Pittsburgh, PA 15219
Email: JMcKissick@trccompanies.com

RE: Section 106 Review: Galion-Roberts South 138kV Loop to Selma Substation Project, Marion Township, Marion County, Ohio

Dear Mr. McKissick:

This letter is in response to the correspondence received on June 12, 2024, regarding the above-referenced project in Marion County, Ohio. We appreciate the opportunity to comment on this project. The comments of the Ohio State Historic Preservation Office (SHPO) are made pursuant to Section 149.53 of the Ohio Revised Code (O.R.C.) and the Ohio Power Siting Board rules for siting this project. The comments of the Ohio SHPO are also submitted in accordance with the provisions of Section 106 of the National Historic Preservation Act of 1966, as amended (54 U.S.C. 306108 [36 CFR 800]).

The proposed project involves the construction of a new substation loop that will connect the existing Galion-Roberts South 138kV transmission line with the proposed Selma Substation. Based on information submitted by you, which included a Project Summary Form, no historic properties or districts are located within the direct Area of Potential Effect (APE), as defined by you. However, our records indicate the one previously recorded archaeological site, 33MN243, is within the APE. Furthermore, the entire APE is within a previous cultural resource survey. This survey determined that site 33MN243 is not eligible for the National Register of Historic Places. Based on this and the fact that new infrastructure is anticipated to be at or below the surrounding, existing utility corridor infrastructure, it is the SHPO's opinion that no cultural resource studies are warranted for the project. Furthermore, as proposed, the project will have no effect on historic properties. No further coordination is required for this project unless the scope of work changes or new/additional archaeological remains are discovered during the course of the project. In such a situation, this office should be contacted as required by 36 CFR § 800.13. If you have any questions concerning this review, please contact me via email at sbiehl@ohiohistory.org. Thank you for your cooperation.

Sincerely,

A handwritten signature in blue ink that reads "Stephen M. Biehl".

Stephen M. Biehl, Project Reviews Manager (archaeology)
Resource Protection and Review
State Historic Preservation Office

RPR Serial No. 1103574

EXHIBIT 7

Ohio archaeological Inventory (OAI), The Ohio Historic Inventory (OHI), previous cultural resource surveys, and the Ohio Genealogical Society (OGS) cemetery inventory

National Historic Registered Places - Listed

Resource Name	Address	City	County
Marion Township Sub-District #8 School	2473 SR 4 N	Marion	Marion

National Historic Registered Places – Eligible

Resource Name	Address	Municipality	County
Sr 423: Marion Upper Sandusky Rd	2347 SR 423	Marion	Marion
Marion North	2319 SR 4	Marion	Marion
Marion County Solar Project	1330 N Main St - WMRN Radio Broadcasting Bldg	Marion	Marion

Above Ground Historic Resources

OHI Number	Name	Address	Municipality	County
MAR0003709	Dr Kantzer House	1265 N Main St (SR 423)	Marion	Marion
MAR0034609	Marion Township Dist #8 School	2473 SR 4 N	Marion (Township of)	Marion
MAR0034709	Residence	2347 SR 423	Marion (Township of)	Marion
MAR0037409	Residence	2319 SR 4	Marion (Township of)	Marion
MAR0050909	WMRN Radio Broadcasting Building	1330 North Main Street	Marion	Marion

List of OAI Listed Archaeological Sites

OAINUMBER	Affiliation	County	Quad Name
MN0079	Prehistoric	Marion	Marion West
MN0080	Prehistoric and Historic	Marion	Marion West
MN0126	Prehistoric and Historic	Marion	Marion West
MN0127	Prehistoric	Marion	Marion West
MN0128	Prehistoric	Marion	Marion West
MN0129	Prehistoric	Marion	Marion West
MN0130	Prehistoric	Marion	Marion West
MN0131	Prehistoric	Marion	Marion West
MN0132	Prehistoric	Marion	Marion West
MN0133	Prehistoric	Marion	Marion West
MN0134	Prehistoric	Marion	Marion West
MN0135	Prehistoric	Marion	Marion West
MN0138	Prehistoric	Marion	Marion West
MN0142	Prehistoric	Marion	Marion West
MN0189	Prehistoric and Historic	Marion	Marion West
MN0190	Prehistoric and Historic	Marion	Marion West
MN0191	Prehistoric	Marion	Marion West
MN0192	Prehistoric	Marion	Marion West
MN0193	Prehistoric	Marion	Marion West
MN0194	Prehistoric	Marion	Marion West
MN0195	Historic	Marion	Marion West

MN0196	Prehistoric and Historic	Marion	Marion West
MN0197	Prehistoric	Marion	Morrall
MN0198	Prehistoric and Historic	Marion	Marion West
MN0199	Prehistoric	Marion	Marion West
MN0200	Prehistoric	Marion	Marion West
MN0201	Historic	Marion	Marion West
MN0202	Prehistoric and Historic	Marion	Marion West
MN0203	Prehistoric	Marion	Morrall
MN0204	Prehistoric and Historic	Marion	Marion West
MN0205	Prehistoric	Marion	Marion West
MN0206	Prehistoric	Marion	Marion West
MN0207	Prehistoric	Marion	Marion West
MN0208	Prehistoric	Marion	Marion West
MN0209	Prehistoric	Marion	Marion West
MN0210	Prehistoric	Marion	Marion West
MN0211	Prehistoric	Marion	Marion West
MN0212	Prehistoric	Marion	Marion West
MN0213	Prehistoric and Historic	Marion	Marion West
MN0214	Prehistoric	Marion	Marion West
MN0215		Marion	
MN0216	Prehistoric	Marion	Marion West
MN0217	Prehistoric	Marion	Marion West
MN0218	Prehistoric	Marion	Marion West
MN0219	Prehistoric	Marion	Morrall
MN0220	Prehistoric and Historic	Marion	Marion West
MN0221	Prehistoric and Historic	Marion	Marion West
MN0222	Prehistoric and Historic	Marion	Marion West
MN0223	Prehistoric	Marion	Marion West
MN0224	Prehistoric and Historic	Marion	Morrall
MN0225	Prehistoric	Marion	Marion West
MN0226	Prehistoric	Marion	Marion West
MN0227	Prehistoric	Marion	Marion West
MN0228	Prehistoric	Marion	Marion West
MN0229	Historic	Marion	Morrall
MN0230	Prehistoric	Marion	Marion West
MN0231	Prehistoric and Historic	Marion	Morrall
MN0232	Prehistoric and Historic	Marion	Morrall
MN0233	Historic	Marion	Morrall
MN0234	Historic	Marion	Morrall
MN0235	Prehistoric	Marion	Marion West
MN0236	Prehistoric and Historic	Marion	Marion West
MN0237	Prehistoric	Marion	Morrall
MN0238	Historic	Marion	Morrall
MN0239	Prehistoric	Marion	Morrall
MN0240	Prehistoric and Historic	Marion	Morrall
MN0241	Prehistoric	Marion	Marion West
MN0242	Prehistoric	Marion	Marion West
MN0243	Prehistoric	Marion	Marion West
MN0244	Prehistoric and Historic	Marion	Marion West
MN0245	Prehistoric and Historic	Marion	Marion West
MN0246	Prehistoric and Historic	Marion	Marion West
MN0247	Prehistoric and Historic	Marion	Marion West
MN0248	Prehistoric	Marion	Marion West
MN0249	Prehistoric and Historic	Marion	Marion West

MN0250	Prehistoric	Marion	Marion West
MN0256	Prehistoric	Marion	Morral
MN0257	Prehistoric and Historic	Marion	Morral
MN0259		Marion	Morral
MN0260	Prehistoric and Historic	Marion	Morral
MN0263	Prehistoric and Historic	Marion	Morral
MN0264	Prehistoric	Marion	Morral
MN0265	Prehistoric and Historic	Marion	Morral
MN0266	Prehistoric	Marion	Morral
MN0267	Historic	Marion	Morral
MN0268	Prehistoric	Marion	Morral

List of OHI Listed Structural Resources

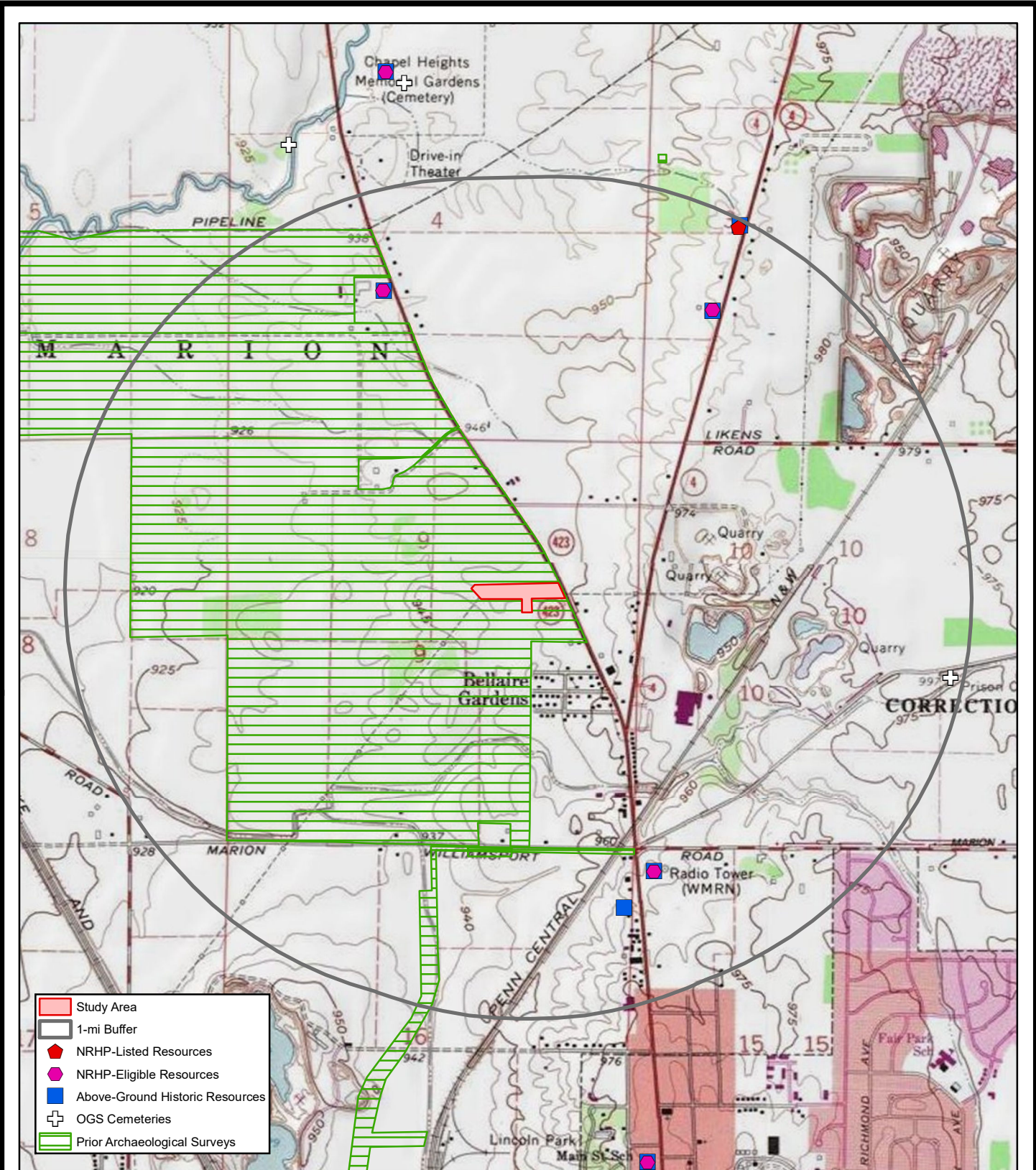
OHI Number	Present Name	Historical Use	County	Municipality
MAR0003709	Dr Kantzer House	Single Dwelling	Marion	Marion
MAR0034609	Marion Township Dist. #8 School	One Room Schoolhouse	Marion	Marion (Township of)
MAR0034709	Residence	Single Dwelling	Marion	Marion (Township of)
MAR0037409	Residence	Single Dwelling	Marion	Marion (Township of)
MAR0050909	WMRN Radio Broadcasting Building	OTHER USE	Marion	Marion

List of OGS Cemetery Inventory

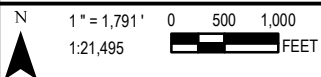
OGS ID	Name	County	Municipality
15582	MARION CORRECTIONAL INSTITUTION-(PRISON)	Marion	Marion

List of Previous Cultural & Historic Resource Surveys

YEAR	Title	COUNTY	Municipality
1998	Phase I Literature Review and Reconnaissance Survey for the Proposed Marion Dual Rail Industrial Park Access Road and Improvements To Marion-Williamsport Road, Marion Township, Marion County, Ohio	Marion	Marion Township
2003	Phase II Evaluative Testing for MAR-Dual Road Rail Industrial Park, of 33-MN-80, to be Impacted by the Proposed Improvements to Marion-Williamsport Road, Marion Township, Marion County, Ohio	Marion	Marion Township
2021	Phase I Archaeology Survey for the Marion County Solar Project, Marion Township, Marion County, Ohio	Marion	Marion Township



BASE MAP FROM 7.5-MINUTE SERIES TOPOGRAPHICAL QUADRANGLE



317 E. Carson Street
Suite 113
Pittsburgh, PA 15219

TRC - GIS

PROJECT:

Galion-Roberts South 138kV Loop to Selma Substation Project

TITLE:

OHC Database Search Results Map

DRAWN BY: JUSTIN MCKISSICK

CHECKED BY: CURTIS BIONDICH

APPROVED BY: CURTIS BIONDICH

DATE: JUNE 2024

PROJ. NO.: 529688.0000.0000

FILE: Galion-Roberts_South_Substation.mxd

Exhibit 7



Ohio Department of Natural Resources

MIKE DeWINE, GOVERNOR

MARY MERTZ, DIRECTOR

Office of Real Estate
Tara Paciorek, Chief
2045 Morse Road – Bldg. E-2
Columbus, Ohio 43229
Phone: (614) 265-6661
Fax: (614) 267-4764

June 20, 2024

Erin Van Nort
TRC Companies, Inc.
1382 West 9th Street, Suite 400
Cleveland, Ohio 44113

Re: 24-0783_#529688 FirstEnergy Galion-Roberts South

Project: The proposed project involves the installation of a loop connection between the Galion-Roberts South 138kV transmission line and the proposed Selma Substation.

Location: The proposed project is located in Marion Township, Marion County, Ohio.

The Ohio Department of Natural Resources (ODNR) has completed a review of the above referenced project. These comments were generated by an inter-disciplinary review within the Department. These comments have been prepared under the authority of the Fish and Wildlife Coordination Act (48 Stat. 401, as amended; 16 U.S.C. 661 et seq.), the National Environmental Policy Act, the Coastal Zone Management Act, Ohio Revised Code and other applicable laws and regulations. These comments are also based on ODNR's experience as the state natural resource management agency and do not supersede or replace the regulatory authority of any local, state, or federal agency nor relieve the applicant of the obligation to comply with any local, state, or federal laws or regulations.

Natural Heritage Database: A review of the Ohio Natural Heritage Database indicates there are no records of state or federally listed plants or animals within one mile of the specified project area. Records searched date from 1980.

Please note that Ohio has not been completely surveyed and we rely on receiving information from many sources. Therefore, a lack of records for any particular area is not a statement that rare species or unique features are absent from that area.

Fish and Wildlife: The Division of Wildlife (DOW) has the following comments.

The DOW recommends that impacts to streams, wetlands and other water resources be avoided and minimized to the fullest extent possible, and that Best Management Practices be utilized to minimize erosion and sedimentation.

The entire state of Ohio is within the range of the Indiana bat (*Myotis sodalis*), a state endangered and federally endangered species, the northern long-eared bat (*Myotis septentrionalis*), a state endangered and federally endangered species, the little brown bat (*Myotis lucifugus*), a state endangered species, and the tricolored bat (*Perimyotis subflavus*), a state endangered species. During the spring and summer (April 1 through September 30), these species of bats predominately roost in trees behind loose, exfoliating bark, in crevices and cavities, or in the leaves. However, these species are also dependent on the forest structure

surrounding roost trees. If trees are present within the project area, and trees must be cut, the DOW recommends cutting only occur from October 1 through March 31, conserving trees with loose, shaggy bark and/or crevices, holes, or cavities, as well as trees with DBH \geq 20 if possible. If trees are present within the project area, and trees must be cut during the summer months, the DOW recommends a mist net survey or acoustic survey be conducted from June 1 through August 15, prior to any cutting. Mist net and acoustic surveys should be conducted in accordance with the most recent version of the "[OHIO DIVISION OF WILDLIFE GUIDANCE FOR BAT SURVEYS AND TREE CLEARING](#)". If state listed bats are documented, DOW recommends cutting only occur from October 1 through March 31. However, limited summer tree cutting may be acceptable after consultation with the DOW (contact Eileen Wyza at Eileen.Wyza@dnr.ohio.gov).

The DOW also recommends that a desktop habitat assessment is conducted, followed by a field assessment if needed, to determine if a potential hibernaculum is present within the project area. Direction on how to conduct habitat assessments can be found in the current USFWS "[RANGE-WIDE INDIANA BAT & NORTHERN LONG-EARED BAT SURVEY GUIDELINES](#)." If a habitat assessment finds that a potential hibernaculum is present within 0.25 miles of the project area, please send this information to Eileen Wyza for project recommendations. If a potential or known hibernaculum is found, the DOW recommends a 0.25-mile tree cutting and subsurface disturbance buffer around the hibernaculum entrance, however, limited summer or winter tree cutting may be acceptable after consultation with the DOW. If no tree cutting or subsurface impacts to a hibernaculum are proposed, this project is not likely to impact these species.

This project is within the range of the following listed mussel species.

Federally Endangered

clubshell (*Pleurobema clava*)

rayed bean (*Villosa fabalis*)

snuffbox (*Epioblasma triquetra*)

Federally Threatened

rabbitsfoot (*Quadrula cylindrica cylindrica*)

State Threatened

pondhorn (*Unio merus tetralasmus*)

Due to the location, and that there is no in-water work proposed in a perennial stream of sufficient size, this project is not likely to impact these species.

The DOW recommends no in-water work in perennial streams from March 15 through June 30 to reduce impacts to indigenous aquatic species and their habitat. If no in-water work is proposed in a perennial stream, this project is not likely to impact aquatic species.

The project is within the range of the northern harrier (*Circus hudsonius*), a state endangered bird. This is a common migrant and winter species. Nesters are much rarer, although they occasionally breed in large marshes and grasslands. Harriers often nest in loose colonies. The female builds a nest out of sticks on the ground, often on top of a mound. Harriers hunt over grasslands. If this type of habitat will be impacted, construction should be avoided in this habitat during the species' nesting period of April 15 through July 31. If this habitat will not be impacted, the project is not likely to impact this species.

Due to the potential of impacts to federally listed species, as well as to state listed species, we recommend that this project be coordinated with the US Fish & Wildlife Service.

Thank you for affording us the opportunity to comment.

Water Resources: The Division of Water Resources has the following comment.

The [local floodplain administrator](#) should be contacted concerning the possible need for any floodplain permits or approvals for this project.

ODNR appreciates the opportunity to provide these comments. Please contact Mike Pettegrew at mike.pettegrew@dnr.ohio.gov if you have questions about these comments or need additional information.

Mike Pettegrew
Environmental Services Administrator

United States Department of the Interior



FISH AND WILDLIFE SERVICE

Ecological Services
4625 Morse Road, Suite 104
Columbus, Ohio 43230
(614) 416-8993 / FAX (614) 416-8994



June 3, 2024

Project Code: 2024-0089041

Dear Erin Van Nort:

The U.S. Fish and Wildlife Service (Service) received your recent correspondence requesting information about the subject proposal. We offer the following comments and recommendations to assist you in minimizing and avoiding adverse effects to threatened and endangered species pursuant to the Endangered Species Act of 1973 (16 U.S.C. 1531 et seq), as amended (ESA).

Federally Threatened and Endangered Species: Due to the project, type, size, and location, we do not anticipate adverse effects to federally endangered, threatened, or proposed species or proposed or designated critical habitat. If there are any project modifications during the term of this action, or additional information for listed or proposed species or their critical habitat becomes available, or if new information reveals effects of the action that were not previously considered, then please contact us for additional project review.

If you have questions, or if we can be of further assistance in this matter, please contact our office at (614) 416-8993 or ohio@fws.gov.

Sincerely,

A handwritten signature in blue ink that reads "Erin Knoll".

Erin Knoll
Field Office Supervisor

From: Eileen.Wyza@dnr.ohio.gov
To: [Molnar, Maggie](#)
Cc: [Falkinburg, Brad](#); [Slabe, Jenna](#)
Subject: [EXTERNAL] RE: Desktop Hibernacula Assessment: FirstEnergy's Galion-Roberts South 138kV Loop to Selma Substation Project (24-0783_#529688)
Date: Tuesday, July 2, 2024 1:27:08 PM
Attachments: [image001.png](#)
[image004.png](#)
[image005.png](#)
[image006.png](#)
[image007.png](#)
[image008.png](#)
[image002.png](#)

This is an **External** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Hi Maggie,

Per review of the desktop survey provided for the Galion-Roberts South 138kV Loop to Selma Substation Project, the Ohio Division of Wildlife concurs with your assessment that no caves, cliffs, or mine openings occur in the project area. Therefore, the project is not likely to impact hibernating bats.

Should any reported conditions change before or during construction, please contact me for additional guidance.

Thank you,

Eileen Wyza, Ph.D.
(she/her/hers)
Wildlife Biologist
Ohio Division of Wildlife
Phone: 614-265-6764
Email: Eileen.Wyza@dnr.ohio.gov

Support Ohio's wildlife. Buy a license at wildohio.gov.



This message is intended solely for the addressee(s). Should you receive this message by mistake, we would be grateful if you informed us that the message has been sent to you in error. In this case, we also ask that you delete this message and any attachments from your mailbox, and do not forward it or any part of it to anyone else. Thank you for your cooperation and understanding.

Please consider the environment before printing this email.

From: Molnar, Maggie <MMolnar@trccompanies.com>
Sent: Friday, June 28, 2024 2:26 PM
To: Wyza, Eileen <Eileen.Wyza@dnr.ohio.gov>
Cc: Falkinburg, Brad <BFalkinburg@trccompanies.com>; Slabe, Jenna <JSlabe@trccompanies.com>
Subject: Desktop Hibernacula Assessment: FirstEnergy's Galion-Roberts South 138kV Loop to Selma Substation Project (24-0783_#529688)

Eileen,

In response to ODNR's DOW recommendations (attached), TRC completed a desktop hibernacula assessment to determine if potential hibernaculum is present within FirstEnergy's proposed Galion-Roberts South 138kV Loop to Selma Substation Project located in Marion Township, Marion County, Ohio.

Please let us know if you have any questions on the provided desktop assessment or require any additional information.

Thank you,

Maggie Molnar, PWS
Ecologist



781 Science Boulevard, Suite 200, Gahanna, Ohio 43230
D 614.423.6342 | C 614.949.2437
[LinkedIn](#) | [Twitter](#) | [Blog](#) | [TRCcompanies.com](#)

CAUTION: This is an external email and may not be safe. If the email looks suspicious, please do not click links or open attachments and forward the email to csc@ohio.gov or click the Phish Alert Button if available.



1382 West Ninth St.
Suite 400
Cleveland, OH 44113

T 216.344.3072
TRCcompanies.com

May 20, 2024

Mr. Auggie Ruggiero
FirstEnergy Corporation
341 White Pond Drive
Akron, OH 44320

Reference: Technical Memorandum for the Surface Water Delineation of the Galion-Roberts South 138kV Loop to Selma Substation Project located in Marion Township, Marion County, Ohio.
(TRC Project No. 529688.0000.0000)

Dear Mr. Ruggiero:

On behalf of FirstEnergy Corporation, TRC Companies, Inc. (TRC) conducted a surface water delineation for the Galion-Roberts South 138kV Loop to Selma Substation Project (Project). The Project is in Marion Township, Marion County, Ohio and is approximately 5.45-acres in size (**Attachment A, Figure 1 and 2**). The Project Study Area is located at the following approximate centroid coordinates: 40.623952, -83.134985. This Project involves the installation of a loop connection between the Galion-Roberts South 138kV transmission line and the proposed Selma Substation.

The delineation was conducted by qualified wetland scientists on May 1, 2023, in accordance with the United States Army Corps of Engineers (USACE) parameters. The objective was to evaluate and delineate potential surface water resources within the Project Study Area, such that the resources could be considered during each phase of the Project. Prior to the site visit, TRC reviewed available secondary source information such as the National Wetlands Inventory (NWI), National Hydrography Dataset (NHD), United States Geological Survey (USGS) topographic maps, County Soil Survey maps, and aerial imagery of the Project Study Area to use in addition to field investigations.

The Project Study Area is shown on the attached map (**Attachment A, Figure 1**), which was derived from the USGS Marion West, Ohio 7.5-minute quadrangle topographic map. The proposed Project Study Area does not include any mapped NHD or NWI features (**Attachment A, Figure 4**). According to Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map panel, 39101C0210E (eff. 12/21/2023) the proposed Project is not located within a FEMA mapped 100-Year Flood Zone. During the field investigation, land use within the Project Study Area was observed to be an existing agricultural field surrounded by agricultural land. See attached mapping in **Attachment A** and the Photographic Record in **Attachment B** for further details of the Project Study Area.

During the field investigation, no wetlands or surface waters were delineated or identified within the Project Study Area. To verify the absence of wetlands within the Project Study Area an upland data point (U-EVN-1) was collected and is shown on **Figure 5** in **Attachment A**. Data for U-EVN-1 was recorded on the USACE Wetland Determination Data Form – Midwest Region. The Wetland Determination Data Form is provided in **Attachment C**.

This Technical Memorandum represents the conditions within the Project Study Area identified herein, as of the inspection dates. Should you require any additional information or have any questions concerning this letter, please feel free to contact me at (440) 666-2890 or by email at BFalkinburg@TRCCompanies.com.

Galion-Roberts South 138kV Loop to Selma Substation Project
Surface Water Delineation – Technical Memorandum



Kind Regards,

TRC

A handwritten signature in black ink that reads "Brad M. Falkinburg".

Brad M. Falkinburg, PWS
Ecological Office Practice Leader

cc: Maggie Molnar, PWS – TRC

Attachments

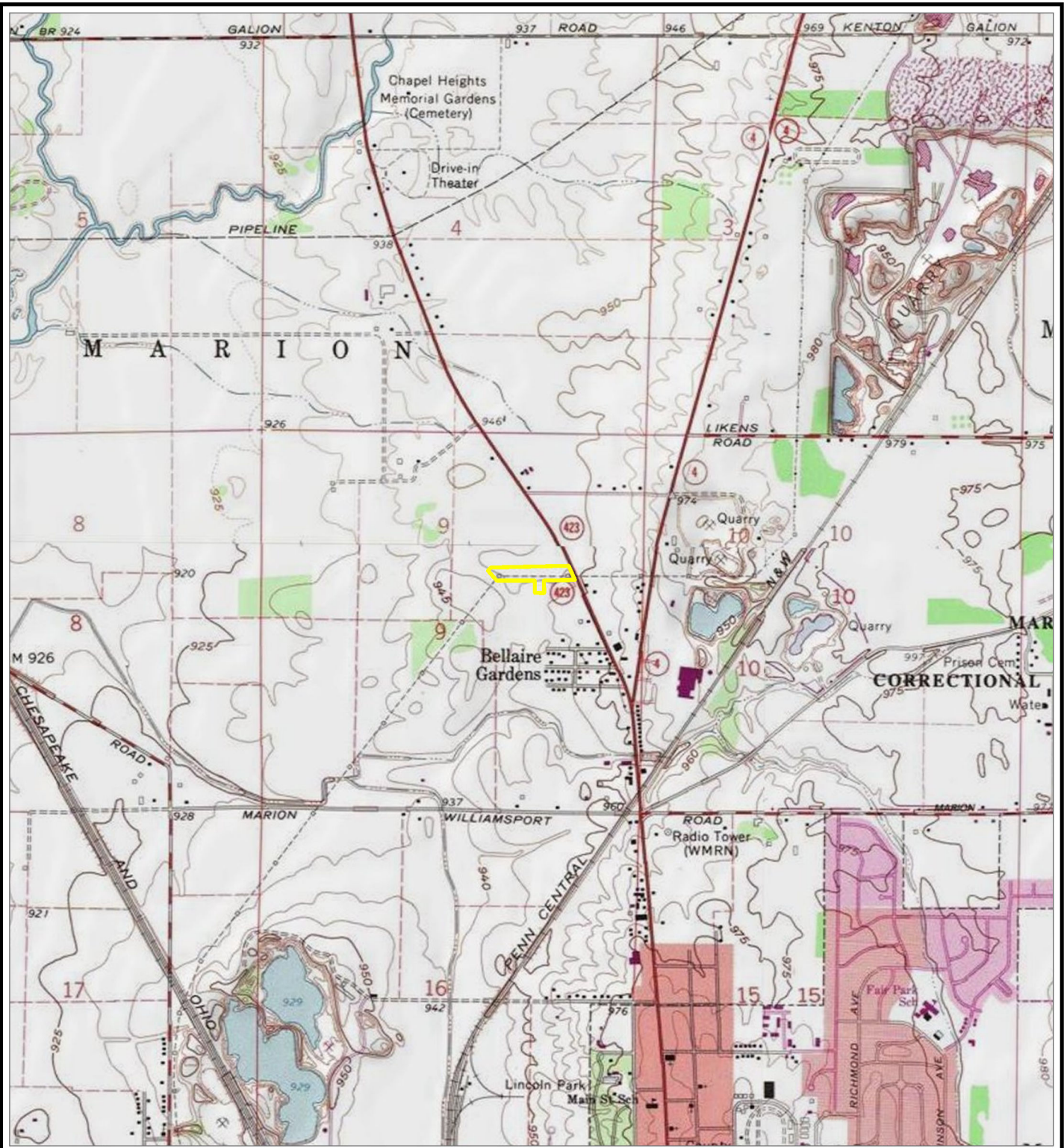
Attachment A: Figures

Attachment B: Photographic Record

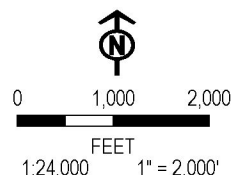
Attachment C: Data Sheet

ATTACHMENT A – Figures

COORDINATE SYSTEM: NAD 1983 STATEPLANE OHIO NORTH RIPS 3401 FEET, MAP ROTATION: 0
 -- SAVED BY: MOPEL ON 5/10/2024, 14:36:16 PM. FILE PATH: T:\1-PROJECTS\FIRST_ENERGY\529688_GALIONROBERTS\NORTH\2-APPROX\DR_SELMA\APRX_LAYOUT\NAME_FIG01_SLM



 PROJECT STUDY AREA



BASE MAP: USA TOPO MAPS MAP SERVICE, MARION WEST QUAD

PROJECT
**FIRSTENERGY - GALION-ROBERTS SOUTH 138KV
 LOOP TO SELMA SUBSTATION PROJECT
 MARION COUNTY, OH**

TITLE:
SITE LOCATION MAP

DRAWN BY:	M. OPEL	PROJ. NO.:	529688
CHECKED BY:	M. MOLNAR	FIGURE 1	
APPROVED BY:	B. FALKINBURG		
DATE:	MAY 2024		



1382 WEST NINTH STREET
 SUITE 400
 CLEVELAND, OH 44113
 PHONE: 216-344-3072

FILE: WDR_SELMA

Coordinate System: NAD 1983 StatePlane Ohio North FIPS 3401 Feet; Map Rotation: 0
-- Saved By: MOPEL on 5/9/2024, 10:28:01 AM; File Path: T:\1-PROJECTS\First_Energy\529688_GalionRoberts\North2-APR\1\WDR_Selma.aprx; Layout Name: Fig02_Aerial

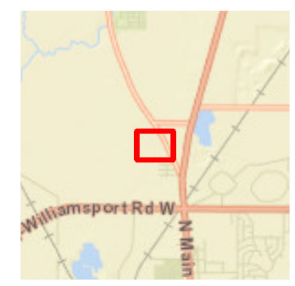



- PROJECT STUDY AREA
- EXISTING STRUCTURE

BASE MAP: GOOGLE MAPS.



1:1,800
1" = 150'



PROJECT: FIRSTENERGY - GALION-ROBERTS SOUTH 138KV LOOP TO SELMA SUBSTATION PROJECT MARION COUNTY, OH	
TITLE: AERIAL MAP	
DRAWN BY: M. OPEL	PROJ. NO.: 529688
CHECKED BY: M. MOLNAR	FIGURE 2
APPROVED BY: B. FALKINBURG	
DATE: MAY 2024	
	1382 WEST NINTH STREET SUITE 400 CLEVELAND, OH 44113 PHONE: 216-344-3072
FILE:	WOR_Selma.aprx

Coordinate System: NAD 1983 StatePlane Ohio North FIPS 3401 Feet; Map Rotation: 0
 -- Saved By: MOPEL on 5/17/2024, 08:25:29 AM; File Path: T:\L-PROJECTS\Fire_Energy\529688_Galion\Roberts\North\4-PR\WDR_Selma.aprx; Layout Name: Fig03_Soils



- PROJECT STUDY AREA
- EXISTING STRUCTURE
- HYDRIC SOIL
- NON-HYDRIC W/ HYDRIC INCLUSIONS SOIL
- NON-HYDRIC SOIL

BASE MAP: GOOGLE MAPS
 DATA SOURCES: SOILS DATA ACQUIRED FROM USDA/NRCS SSURGO DATABASE.

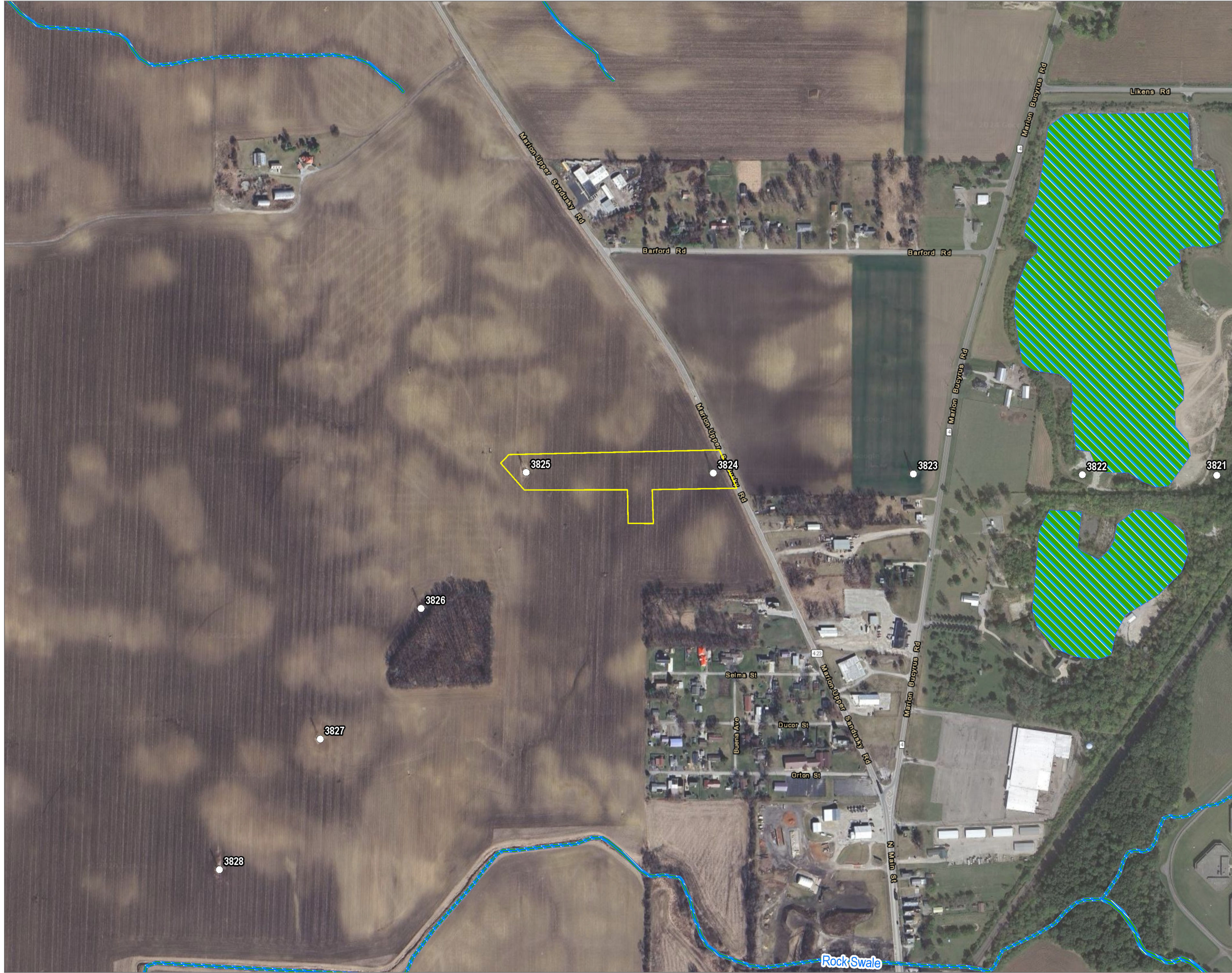


1:1,800
 1" = 150'



PROJECT	
FIRSTENERGY - GALION - ROBERTS SOUTH 138 KV LOOP TO SELMA SUBSTATION PROJECT MARION COUNTY, OH	
TITLE:	
SOILS MAP	
DRAWN BY: M. OPEL	PROJ. NO.: 529688
CHECKED BY: M. MOLNAR	FIGURE 3
APPROVED BY: B. FALKINBURG	
DATE: MAY 2024	
1382 WEST NINTH STREET SUITE 400 CLEVELAND, OH 44113 PHONE: 216-344-3072	
FILE:	WDR_Selma.aprx

Coordinate System: NAD 1983 StatePlane Ohio North FIPS 3401 Feet; Map Rotation: 0
 -- Saved By: MOPEL on 5/17/2024, 08:25:29 AM; File Path: T:\1-PROJECTS\Fire_Energy\529688_GallionRoberts\North-APR\WDR_Selma.aprx; Layout Name: Fig04_Hydro



- PROJECT STUDY AREA
- EXISTING STRUCTURE
- NATIONAL HYDROGRAPHY DATASET (NHD) STREAM
- NATIONAL WETLANDS INVENTORY (NWI) FEATURE
- 100-YEAR FLOOD ZONE

BASE MAP: GOOGLE MAPS.
 DATA SOURCES: WETLAND DATA ACQUIRED FROM U.S. FISH & WILDLIFE SERVICE, NATIONAL WETLANDS INVENTORY (NWI). STREAM DATA ACQUIRED FROM USGS, NATIONAL HYDROGRAPHY DATASET (NHD). FLOOD DATA ACQUIRED FROM FEMA, NATIONAL FLOOD HAZARD LAYER (NFHL).



1:6,000
 1" = 500'



PROJECT:
FIRSTENERGY - GALION - ROBERTS SOUTH 138 KV LOOP TO SELMA SUBSTATION PROJECT
 MARION COUNTY, OH

TITLE:
NHD, NWI AND FEMA FLOODPLAIN MAP

DRAWN BY:	M. OPEL	PROJ. NO.:	529688
CHECKED BY:	M. MOLNAR	FIGURE 4	
APPROVED BY:	B. FALKINBURG		
DATE:	MAY 2024		

1382 WEST NINTH STREET
 SUITE 400
 CLEVELAND, OH 44113
 PHONE: 216-344-3072

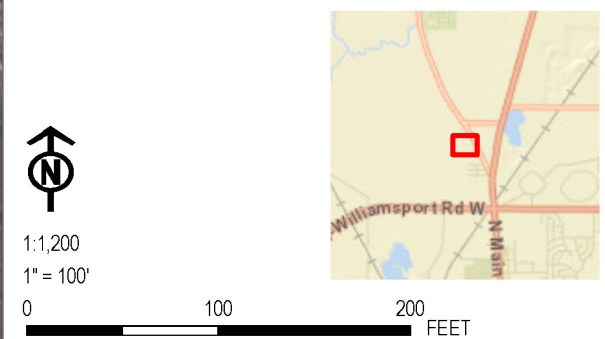
FILE: WDR_Selma.aprx

Coordinate System: NAD 1983 StatePlane Ohio North FIPS 3401 Feet; Map Rotation: 0
-- Saved By: MOPEL on 5/17/2024, 08:31:34 AM; File Path: T:\1-PROJECTS\First_Energy\529688_Galion\Roberts\North\4-APR\WDR_Selma.aprx; Layout Name: Fig05_Delineation



- PROJECT STUDY AREA
- EXISTING STRUCTURE
- UPLAND DATA POINT

BASE MAP: GOOGLE MAPS
DATA SOURCES: TRC WETLAND DELINEATION COMPLETED MAY 1, 2023.



PROJECT: FIRSTENERGY - GALION - ROBERTS SOUTH 138 KV LOOP TO SELMA SUBSTATION PROJECT MARION COUNTY, OH	
TITLE: DELINEATED RESOURCES MAP	
DRAWN BY: M. OPEL	PROJ. NO.: 529688
CHECKED BY: M. MOLNAR	FIGURE 5
APPROVED BY: B. FALKINBURG	
DATE: MAY 2024	
	1382 WEST NINTH STREET SUITE 400 CLEVELAND, OH 44113 PHONE: 216-344-3072
FILE:	WDR_Selma.aprx



ATTACHMENT B – Photographic Record

Client Name: FirstEnergy	Site Location: Marion Township, Marion County, Ohio	Project No.: 529688.0000.0000
------------------------------------	---	---

Photo No. 1.

Photo Date:
5/1/2023

Description:
Photo within upland, agricultural field (existing right-of-way), facing north.



Photo No. 2.

Photo Date:
5/1/2023

Description:
Photo within upland, agricultural field (existing right-of-way), facing east.



Client Name: FirstEnergy	Site Location: Marion Township, Marion County, Ohio	Project No.: 529688.0000.0000
------------------------------------	---	---

Photo No. 3.

Photo Date:
5/1/2023

Description:
Photo within upland, agricultural field (existing right-of-way), facing south.



Photo No. 4.

Photo Date:
5/1/2023

Description:
Photo within upland, agricultural field (existing right-of-way), facing west.



ATTACHMENT C – Data Sheet

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Galion-Roberts South 138kV Loop to Selma Substa City/County: Marion Twp/ Marion Sampling Date: 2023-5-1
 Applicant/Owner: FirstEnergy State: OH Sampling Point: U-EVN-01
 Investigator(s): Erin Van Nort, Will Smith Jr, Michael Whitacre Section, Township, Range: 09 5S 15E
 Landform (hillslope, terrace, etc): Flat Local relief (concave, convex, none): None
 Slope (%): 0 to 1 Lat: 40.6239311091 Long: -83.1350968605 Datum: WGS84
 Soil Map Unit Name: Pewamo silty clay loam, 0 to 1 percent slopes NWI Classification: None
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Hydric Soil Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Remarks: Covertypes is UPL. Based on the absence of all three parameters, this area is an upland. Circumstances are not normal due to agricultural activities.	

VEGETATION – Use scientific names of plants.

	Absolute % Cover	Dominant Species?	Indicator Status																																	
Tree Stratum (Plot size: <u>30 ft radius</u>)																																				
1. _____	_____	_____	_____	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>1</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0%</u> (A/B)																																
2. _____	_____	_____	_____																																	
3. _____	_____	_____	_____																																	
4. _____	_____	_____	_____																																	
5. _____	_____	_____	_____																																	
0 = Total Cover				Prevalence Index worksheet: <table style="width:100%; border-collapse: collapse;"> <tr> <td align="center" colspan="2">Total % Cover of:</td> <td align="center" colspan="2">Multiply by:</td> </tr> <tr> <td>OBL species</td><td align="center">0</td> <td>x 1 =</td><td align="center">0</td> </tr> <tr> <td>FACW species</td><td align="center">0</td> <td>x 2 =</td><td align="center">0</td> </tr> <tr> <td>FAC species</td><td align="center">0</td> <td>x 3 =</td><td align="center">0</td> </tr> <tr> <td>FACU species</td><td align="center">0</td> <td>x 4 =</td><td align="center">0</td> </tr> <tr> <td>UPL species</td><td align="center">100</td> <td>x 5 =</td><td align="center">500</td> </tr> <tr> <td>Column Totals:</td><td align="center">100</td> <td>(A)</td><td align="center">500 (B)</td> </tr> <tr> <td align="center" colspan="4">Prevalence Index = B/A = <u>5</u></td> </tr> </table>	Total % Cover of:		Multiply by:		OBL species	0	x 1 =	0	FACW species	0	x 2 =	0	FAC species	0	x 3 =	0	FACU species	0	x 4 =	0	UPL species	100	x 5 =	500	Column Totals:	100	(A)	500 (B)	Prevalence Index = B/A = <u>5</u>			
Total % Cover of:		Multiply by:																																		
OBL species	0	x 1 =	0																																	
FACW species	0	x 2 =	0																																	
FAC species	0	x 3 =	0																																	
FACU species	0	x 4 =	0																																	
UPL species	100	x 5 =	500																																	
Column Totals:	100	(A)	500 (B)																																	
Prevalence Index = B/A = <u>5</u>																																				
Sapling/Shrub Stratum (Plot size: <u>15 ft radius</u>)																																				
1. _____	_____	_____	_____																																	
2. _____	_____	_____	_____																																	
3. _____	_____	_____	_____																																	
4. _____	_____	_____	_____																																	
5. _____	_____	_____	_____																																	
0 = Total Cover																																				
Herb Stratum (Plot size: <u>5 ft radius</u>)																																				
1. <u>Zea mays</u>	100	Yes	UPL	Hydrophytic Vegetation Indicators: ___ 1 - Rapid Test for Hydrophytic Vegetation ___ 2 - Dominance Test is >50% ___ 3 - Prevalence Index is ≤3.0 ¹ ___ 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) ___ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.																																
2. _____	_____	_____	_____																																	
3. _____	_____	_____	_____																																	
4. _____	_____	_____	_____																																	
5. _____	_____	_____	_____																																	
6. _____	_____	_____	_____																																	
7. _____	_____	_____	_____																																	
8. _____	_____	_____	_____																																	
9. _____	_____	_____	_____																																	
10. _____	_____	_____	_____																																	
100 = Total Cover																																				
Woody Vine Stratum (Plot size: <u>30 ft radius</u>)																																				
1. _____	_____	_____	_____																																	
2. _____	_____	_____	_____																																	
0 = Total Cover																																				

Remarks:
 The criterion for hydrophytic vegetation is not met.

SOIL

Sampling Point: U-EVN-01

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0 to 12	10YR 5/2	100					Clay Loam	
12 to 20	10Y 4/1	80	7.5YR 5/6	20	D	M	Clay Loam	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: <input type="checkbox"/> Histosol (A1) <input type="checkbox"/> Histic Epipedon (A2) <input type="checkbox"/> Black Histic (A3) <input type="checkbox"/> Hydrogen Sulfide (A4) <input type="checkbox"/> Stratified Layers (A5) <input type="checkbox"/> 2 cm Muck (A10) <input type="checkbox"/> Depleted Below Dark Surface (A11) <input type="checkbox"/> Thick Dark Surface (A12) <input type="checkbox"/> Sandy Mucky Mineral (S1) <input type="checkbox"/> 5 cm Muck Peat or Peat (S3)	<input type="checkbox"/> Sandy Gleyed Matrix (S4) <input type="checkbox"/> Sandy Redox (S5) <input type="checkbox"/> Stripped Matrix (S6) <input type="checkbox"/> Loamy Mucky Mineral (F1) <input type="checkbox"/> Loamy Gleyed Matrix (F2) <input type="checkbox"/> Depleted Matrix (F3) <input type="checkbox"/> Redox Dark Surface (F6) <input type="checkbox"/> Depleted Dark Surface (F7) <input type="checkbox"/> Redox Depressions (F8)	Indicators for Problematic Hydric Soils³: <input type="checkbox"/> Coast Prairie Redox (A16) <input type="checkbox"/> Dark Surface (S7) <input type="checkbox"/> Iron-Manganese Masses (F12) <input type="checkbox"/> Very Shallow Dark Surface (TF12) <input type="checkbox"/> Other (Explain in Remarks)
--	--	---

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present): Type: _____ Depth (inches): _____	Hydric Soil Present? Yes _____ No <input checked="" type="checkbox"/>
--	--

Remarks:
The criterion for hydric soil is not met.

HYDROLOGY

Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)	
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)	
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)	
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> True Aquatic Plants (B14)	<input type="checkbox"/> Dry-Season Water Table (C2)	
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Crayfish Burrows (C8)	
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)	
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Stunted or Stressed Plants (D1)	
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Geomorphic Position (D2)	
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> FAC-Neutral Test (D5)	
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Gauge or Well Data (D9)		
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Other (Explain in Remarks)		

Field Observations: Surface Water Present? Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____ Water Table Present? Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation Present? Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes _____ No <input checked="" type="checkbox"/>
--	--

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
The criterion for wetland hydrology is not met.