AMERICAN TRANSMISSION SYSTEMS, INCORPORATED
A FIRSTENERGY COMPANY

CONSTRUCTION NOTICE

VISTEON-GREENFIELD 138 KV TRANSMISSION LINE SWITCH REPLACEMENT PROJECT

OPSB CASE NO.: 26-0021-EL-BNR

February 18, 2026

American Transmission Systems, Incorporated
341 White Pond Dr.
Akron, Ohio 44320

OPSB CASE NO. 26-0021-EL-BNR
CONSTRUCTION NOTICE
VISTEON-GREENFIELD 138KV TRANSMISSION LINE
SWITCH REPLACEMENT PROJECT

The following information is being provided in accordance with Chapter 4906-6 of the Ohio Administrative Code ("Adm.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: CONSTRUCTION NOTICE APPLICATION REQUIREMENTS

4906-6-05: Name and Reference Number

Name of Project:	Visteon-Greenfield 138kV Transmission Line Switch Replacement Project
Reference Number:	3052

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

American Transmission Systems, Incorporated ("ATSI"), a FirstEnergy company, is proposing to replace one (1) existing transmission line switch and one (1) associated existing transmission structure on the Visteon-Greenfield 138 kV Transmission Line. The Project will require the removal of one (1) existing switch and one (1) existing structure and will require the installation of one (1) new 1-way switch and one (1) new steel pole on a drilled pier concrete foundation. The existing conductor 336.4 kcmil 26/7 ACSR "Linnet" will be transferred to the new structure. The existing shield wire will not be transferred.

The general location of the Project is shown in **Exhibit 1**, a partial copy of the United States Geologic Survey, Erie County, OH, Quad Map. **Exhibit 2** provides a partial copy of ESRI aerial imagery of the Project area. The General Layout is attached as **Exhibit 3.** The Project is located in Perkins Township, Erie 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 (2)(a) of the Application Requirement Matrix for Electric Power Transmission Lines, Appendix A of Adm.Code 4906-101. Item (2)(a) states:

> *(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 Project is within the requirements of Item (2)(a) because the proposed project will replace existing structures of an existing transmission line for a distance less than two miles.

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

The Project is needed to replace existing switch A-3 with new switch A-795 on the existing Visteon-Greenfield 138 kV Transmission Line. The line air switches are obsolete, of a design that no longer meets present standards, and are no longer supported for repair parts. The last cyclic maintenance occurred in 2024 but the viability of continued maintenance is questionable. In consultation with Engineering and Regional Operations, the combination of the unavailability of parts, operational history, and continued changes in structure integrity indicate that attempts to prolong service would be temporary in nature or unsuccessful. The proposed solution is to replace both the structure and the switch, using an improved unitized design meeting present engineering standards while adding a motor capable of remote operation (SCADA) for enhanced system flexibility and personal safety.

The implementation of advanced transmission technologies was considered as part of this Project. A SCADA switch will replace an existing air switch. SCADA switches offer significant advantages over traditional air switches, primarily due to their enhanced remote control, monitoring, and automation capabilities. SCADA systems allow for real-time data collection and analysis, enabling remote monitoring of multiple devices, troubleshooting problems, and even controlling equipment from anywhere. Air switches, while simple, lack these advanced features and are typically manually operated.

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. 2025 Long-Term Forecast Report. This map was submitted to the Public Utility Commission of Ohio ("PUCO") in Case No. 25-0504-EL-FOR under Adm.Code 4901:5-5:04 (C)(2)(b). This Project was not included in the 2025 Long Term Forecast Report nor vetted through the PJM RTEP process as it does not entail any topology or rating change.

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

Two alternatives considered in lieu of the project were to continue to maintain and repair the existing switches. This solution was not recommended due to the lack of replacement parts and the risk of future operational failure due to age.

Another alternative was to remove the switches from the transmission line without replacing them. This solution was not recommended because it would create an unacceptable sectionalizing scheme on the transmission line.

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 on this Project is expected to begin as early as June 1, 2026, and be completed by June 30, 2026, at which time the Project will be placed in service.

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

Exhibit 1 provides a partial copy of the USGS Topographic Map, Erie County, Ohio, Quad Map. **Exhibit 2** provides a partial copy of ESRI aerial imagery.

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

The proposed Project is located wholly within existing ROW on one parcel (32-90019.000), owned by Ohio Edison. No new easements will be required for 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
ROW Width:	180 ft
Conductors:	336.4 kcmil 26/7 ACSR "Linnet"

Static Wire:	134.6 kcmil 12/7 ACSR "Leghorn" (not being transferred to new structure)
Insulators:	Porcelain
Structure Type:	**Exhibit 4**: 138kV Single Circuit Steel Deadend Switch Structure Vertical Single Pole Without Shield Wire

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

There are no occupied residences or institutions within 100 feet of the proposed transmission line. 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 $918,000 Although not statutorily required for approval, at the request of OPSB Staff, ATSI confirms that ATSI's costs will be captured and allocated via FERC formula rates for the ATSI Transmission Zone, Attachment H-21 in the PJM OATT.

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

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

The Project is located in Perkins Township, Erie County, Ohio. The land use within the vicinity of the proposed Project is light industrial use. This Project will take place in existing maintained right-of-way.

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

There are no parcels within the Project Area designated as an Agricultural District property, therefore there will be no impact to any agricultural land.

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 (SHPO) on behalf of ATSI to review and provide comments for the Project Study Area (Area of Potential Effects or APE) with a one (1)-mile search radius. On October 30, 2025, SHPO replied to the request and the response is attached as **Exhibit 5**. SHPO concurred that the Project, as proposed, will not affect any historic properties or cultural resources. No further coordination is required unless the project changes or unless new or additional cultural resources are discovered during the implementation of this Project

The SHPO database also includes listings on 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 file review revealed there are (8) NRHP-listed above-ground historic resources and one (1) OHC Determination of Eligibility (DOE) point recorded within one (1)-mi of the proposed Project. Table 1 below contains a list of the resources, as well as their distance and direction from the proposed Project.

Table 1. List of NRHP-listed and NRHP-eligible Places

Ref No.	Resource Name	NRHP Status	Distance	Direction (mi)
82001428	No. 5 Fire Station	Listed	0.87	North
82001374	Barker School	Listed	0.88	North
82001414	Kerber's Marine Grocery	Listed	0.94	North
82001431	Osborne School	Listed	0.94	Northeast
82001427	Murschel House	Listed	0.79	Northeast

Ref No.	Resource Name	NRHP Status	Distance	Direction (mi)
75001389	Lake Shore and Michigan Southern Railroad Depot	Listed	0.78	Northeast
82001416	Kuebeler, August, House	Listed	0.82	North
82001396	Erie County Oil Product Co.	Listed	0.99	North
2024ER162581	MacArthur Park	DOE	0.39	Northeast

There are 97 additional above-ground historic resources that have not yet been formally evaluated for NRHP eligibility recorded within one (1)-mi. The nearest of these is located 0.22 mi to the northwest. The majority of the resources are located to the north and northeast within Sandusky. There are three (3) Ohio Genealogical Society (OGS) cemeteries recorded 0.42, 0.66, and 0.69 mi north, as well as one (1) historic bridge, located 0.48 mi north of the proposed Study Area.

One (1) archaeological survey has been conducted within one (1)-mi of the proposed Project. The survey overlaps the southeastern portion of the proposed Study Area. Two (2) precontact period archaeological sites have been recorded 0.51 mi and 0.62 mi south of the Study Area.

The Project Study Area is comprised of an existing, maintained, utility right-of-way (ROW), industrial land use, overgrown areas, and manicured lawns. The regional landscape is predominantly industrial and wooded with residential areas to the north. The proposed Project is not expected to have any adverse effects on known historic properties. No further coordination is required for this Project unless the scope of work changes or archaeological remains are discovered during the course of the Project completion. To date, TRC has not conducted any on-site cultural resources surveys.

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

Coordination with Erie County will be completed to obtain any necessary permits based on the proposed Project with less than one (1) acre of earth disturbance. A site specific stormwater plan will be submitted to Erie County for this Project. All permitting and/or coordination necessary to comply with local, state, and federal agencies with jurisdiction regarding this Project will be completed prior to the commencement of construction.

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

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 October 6, 2025 stated that the Project is within the range of nineteen (19) state and/or federally listed animal species within a one (1) mile radius. A copy of ODNR's Office of Real Estate's response is included as **Exhibit 6.**

In addition, the ODNR-DOW stated 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. These bat species predominantly roost in trees behind loose, exfoliating bark, in crevices, and cavities, or in the leaves. These species are dependent on the forest structure surrounding the roost tress. 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 October 20, 2025. ODNR responded on October 21, 2025, attached as **Exhibit 6a,** concurring that no caves,

cliffs, or mine openings occur in the Project Study Area; therefore, the Project is not likely to impact hibernating bats. In assessing compliance with NWP General Condition 18, TRC determined that tree clearing is not anticipated within the Project Study Area. If tree clearing needed as a result of this Project, it will take place within the US Fish and Wildlife Service (USFWS) recommended tree clearing dates (October 1 – March 31); therefore, no impacts to bat species are anticipated as a result of the construction of this Project.

The Project is within the range of the brook trout (*Salvelinus fontinalis*), longnose sucker (*Catostomus catostomus*), lake sturgeon (*Acipenser fulvescens*), pugnose minnow (*Opsopoeodus emiliae*), bigeye shiner (*Notropis boops*), western banded killifish (*Fundulus diaphanus menona*) all of which are state endangered species; additionally, the channel darter (*Percina copelandi*), a state threatened 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. Since no in-water work is proposed in a perennial stream, this Project will not impact these or other aquatic species.

The Project is within the range of the eastern pondmussel *(Ligumia nasuta*), a state threatened mussel. Due to the location, and that there is no in-water work proposed in a perennial stream, this Project will not l impact this species.

The Project is within the range of the eastern massasauga (*Sistrurus catenatus*), a state endangered and federally threatened snake species. The eastern massasauga uses a range of habitats including wet prairies, fens, and other wetlands, as well as drier upland habitat. Due to the location, the type of habitat within the project area, and the type of work proposed, this Project is not likely to impact this species.

The Project is within the range of the smooth greensnake (*Opheodrys vernalis*), a state endangered species. This species is primarily a prairie inhabitant but can also be found in marshy meadows and roadside ditches. Due to the location, the type of habitat within the project area, and the type of work proposed, this Project is not likely to impact this species.

The Project is within the range of the Kirtland's snake (*Clonophis kirtlandii*), a state threatened species. This secretive species prefers wet fields and meadows. Due to the location, the type of habitat within the project area, and the type of work proposed, this Project is not likely to impact this species.

The Project is within the range of the Blanding's turtle (*Emydoidea blandingii*), a state threatened species. This species inhabits marshes, ponds, lakes, streams, wet meadows, and swampy forests. Although essentially aquatic, the Blanding's turtle will travel over land as it moves from one wetland to the next. Due to the location and the type of work proposed, this Project is not likely to impact this species.

The Project is within the range of the spotted turtle (*Clemmys guttata*), a state threatened species. This species prefers fens, bogs and marshes, but also is known to inhabit wet prairies, meadows, pond edges, wet woods, and the shallow sluggish waters of small streams and ditches. Due to the location and the type of work proposed, this Project is not likely to impact this 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. As this Project is in a maintained transmission line right-of-way and grasslands are not located in or around the limit of disturbance there will be no impact to this species.

The Project is within the range of the sandhill crane (*Antigone canadensis*), a state threatened species. Sandhill cranes are primarily a wetland-dependent species. On their wintering grounds, they will utilize agricultural fields; however, they roost in shallow, standing water or moist bottomlands. On breeding grounds, they require a rather large tract of wet meadow, shallow marsh, or bog for nesting. If grassland, prairie, or wetland habitat

will be impacted, construction should be avoided in this habitat during the species' nesting period of April 1 through August 31. As this Project is in a maintained transmission line right-of-way and grassland, prairie, or wetland habitats are not located in or around the limit of disturbance there will be no impact to this species.

As part of the investigation, TRC submitted a request to the USFWS on September 8, 2025, for an Ecological Review to research the presence of any endangered, threatened, rare, or designated species within the Project Study Area. A copy of the USFWS' response, dated September 19, 2025, is included as **Exhibit 7.** The response stated that due to the Project type, size, location, and the proposed implementation of seasonal tree cutting (clearing of trees ≥3 inches diameter at breast height between October 1 and March 31) to avoid impacts to the Indiana bat, northern long-eared bat, and the tricolored bat, USFWS does not anticipate adverse effects to any other federally endangered, threatened, or proposed species, or proposed or designated critical habitat.

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 and Threatened Species within range of the Project Study Area

Common Name	Scientific Name	Federal Listed Status	State Listed Status	Affected Habitat
Mollusks				
Eastern Pondmussel	*Ligumia nasuta*	N/A	Threatened	Perennial streams.
Bird				
Northern Harrier	*Circus hudsonius*	N/A	Endangered	Marshes and grasslands.
Sandhill Crane	*Antigone canadensis*	N/A	Threatened	Shallow marshes, bogs, wet meadows, standing water, moist bottomlands, agricultural fields (winter)
Mammals				
Indiana Bat	*Myotis sodalis*	Endangered	Endangered	Trees, forests, caves, and caverns.
Little brown bat	*Myotis lucifugus*	N/A	Endangered	Trees, forests, caves, and caverns.

Common Name	Scientific Name	Federal Listed Status	State Listed Status	Affected Habitat
Northern Long-Eared Bat	*Myotis septentrionalis*	Endangered	Endangered	Trees, forests, caves, and caverns.
Tricolored Bat	*Perimyotis subflavus*	Proposed Endangered	Endangered	Trees, forests, caves, and caverns.
Fish				
Brook Trout	*Salvelinus fontinalis*	N/A	Endangered	Perennial streams.
Longnose Sucker	*Catostomus catostomus*	N/A	Endangered	Perennial streams.
Lake Sturgeon	*Acipenser fulvescens*	N/A	Endangered	Perennial streams.
Pugnose Minnow	*Opsopoeodus emiliae*	N/A	Endangered	Perennial streams.
Bigeye Shiner	*Notropis boops*	N/A	Endangered	Perennial streams.
Western Banded Killifish	*Fundulus diaphanus menona*	N/A	Endangered	Perennial streams.
Channel Darter	*Percina copelandi*	N/A	Threatened	Perennial streams.
Reptiles				
Eastern Massasauga	*Sistrurus catenatus*	Threatened	Endangered	Wet prairies, fens, and other wetlands, as well as drier upland habitat.
Smooth Greensnake	*Opheodrys vernalis*	N/A	Endangered	Prairies, marshy meadows, roadside ditches.
Kirtland's Snake	*Clonophis kirtlandii*	N/A	Threatened	Wet fields and meadows.
Blanding's Turtle	*Emydoidea blandingii*	N/A	Threatened	Marshes, ponds, lakes, streams, wet meadows, and swampy forests
Spotted turtle	*Clemmys guttata*	N/A	Threatened	Fens, bogs and marshes, wet prairies, meadows, pond edges, wet woods, and the shallow sluggish waters of small streams and ditches.

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

TRC performed field investigations to identify and delineate wetlands and waterbodies for the Project, as shown in **Exhibit 8.** The Project Study Area is 2.01 acres located in Perkins Township, Erie County, Ohio. One (1) mapped NWI feature, Mills Creek (freshwater forested/shrub wetland) was identified and delineated within the Project Study Area. The Project Study Area is within the 100-year flood zone. No ecological resources were observed during the field investigation.

The Project Study Area consists of an existing, maintained, utility ROW, industrial land use, developed open space, and upland habitat. TRC did not observe the presence of any of the ODNR or federally listed species during the field investigation due to the highly maintained nature of the utility ROW and surrounding industrial and developed land use. Therefore, no impacts are anticipated to any of the listed species detailed in the ODNR correspondence.

The Limits of Disturbance (LOD) will be completely within the Project Study Area and will predominantly include using the existing utility ROW, developed open space, and paved lots within the industrial land use for access to the proposed switch relocations. It is anticipated that due to the nature of the Project, all jurisdictional resources will be avoided by the proposed Project.

A review of the USGS Protected Areas Database (www.usgs.gov/programs/gap-analysis-project/science/protected-areas) revealed no conservation easements within the Project Study Area. The National Conservation Easement Database is no longer in use due to the database no longer being actively updated and supported.

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 application is being provided concurrently with its docketing with the Board to the following officials in Erie County and Perkins Township, Ohio. A copy will also be provided to the Sandusky Public Library for public review/reference.

Erie County

Matt Old
Erie County Commissioner
Old@eriecounty.oh.us
2900 Columbus Ave.
Sandusky, OH 44870

Stephen Shoffner
Erie County Commissioner
Shoffner@eriecounty.oh.us
2900 Columbus Ave.
Sandusky, OH 44870

Patrick Shenigo
Erie County Commissioner
PShenigo@eriecounty.oh.us
2900 Columbus Ave.
Sandusky, OH 44870

Breann Hohman
District Director SWCD
bhohman@eriecounty.oh.gov
2900 Columbus Ave., Room 131
Sandusky, OH 44870

Richard Jeffrey
Erie County Auditor
ecao@eriecounty.oh.gov
247 Columbus Ave., Room 210
Sandusky, OH 44870

Eric Dodrill
Erie County Engineer
ECEO@eriecounty.oh.us
2700 Columbus Ave.
Sandusky, OH 44870

Perkins Township

Timothy Coleman
Perkins Township Chairman
Tcoleman@perkinstownship.com
2610 Columbus Ave.
Sandusky, OH 44870

Jim Lang
Perkins Township Trustee
jlang@perkinstownship.com
2610 Columbus Ave.
Sandusky, OH 44870

Jim Ommert
Perkins Township Vice-Chairman
jommert@perkinstownship.com
2610 Columbus Ave.
Sandusky, OH 44870

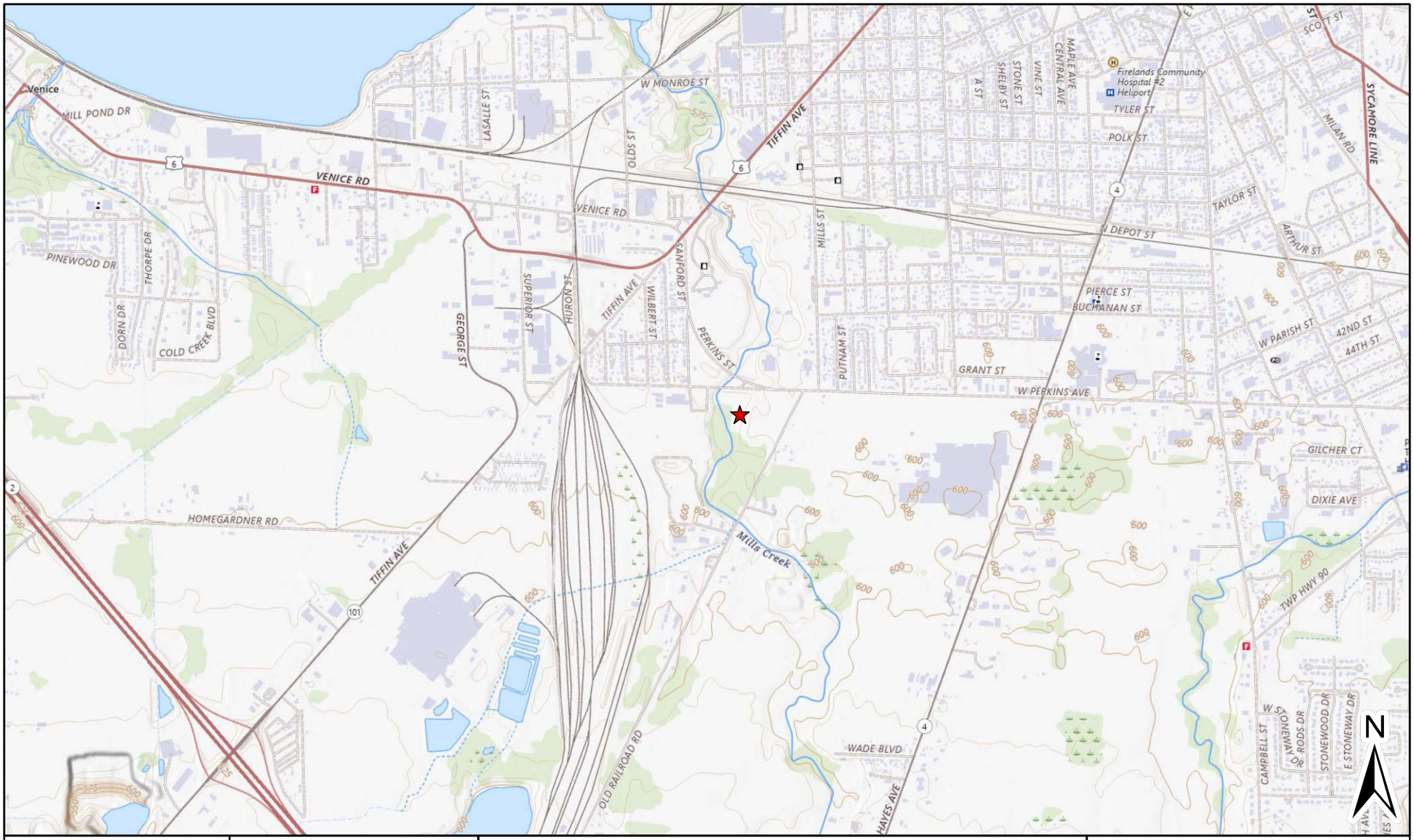
Alexis Koch
Perkins Township Fiscal Officer
fiscalofficer@perkinstownship.com
2610 Columbus Ave.
Sandusky, OH 44870

Library

Katie Corcoran, Assistant Director
Sandusky Library
kcorcoran@sanduskylib.org
114 W. Adams St.
Sandusky, Ohio 44870

Copies of the transmittal letters to these officials have been included with this application as proof of compliance under Adm.Code 4906-6-07 (B) to provide the Board with proof of notice to local officials as required by Adm.Code 4906-6-07 (A)(1) and to the library per Adm.Code 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 to meet the requirements of Adm.Code 4906-6-07 (B) and to provide the Board with proof of compliance with the notice requirements in Adm.Code 4906-6-07 (A)(3).



Legend

★ Project Location

0 1,000 2,000 4,000

Feet

Reference Scale: 1:24,000

References:
ESRI Aerial Imagery, USGS National Map, ODOT

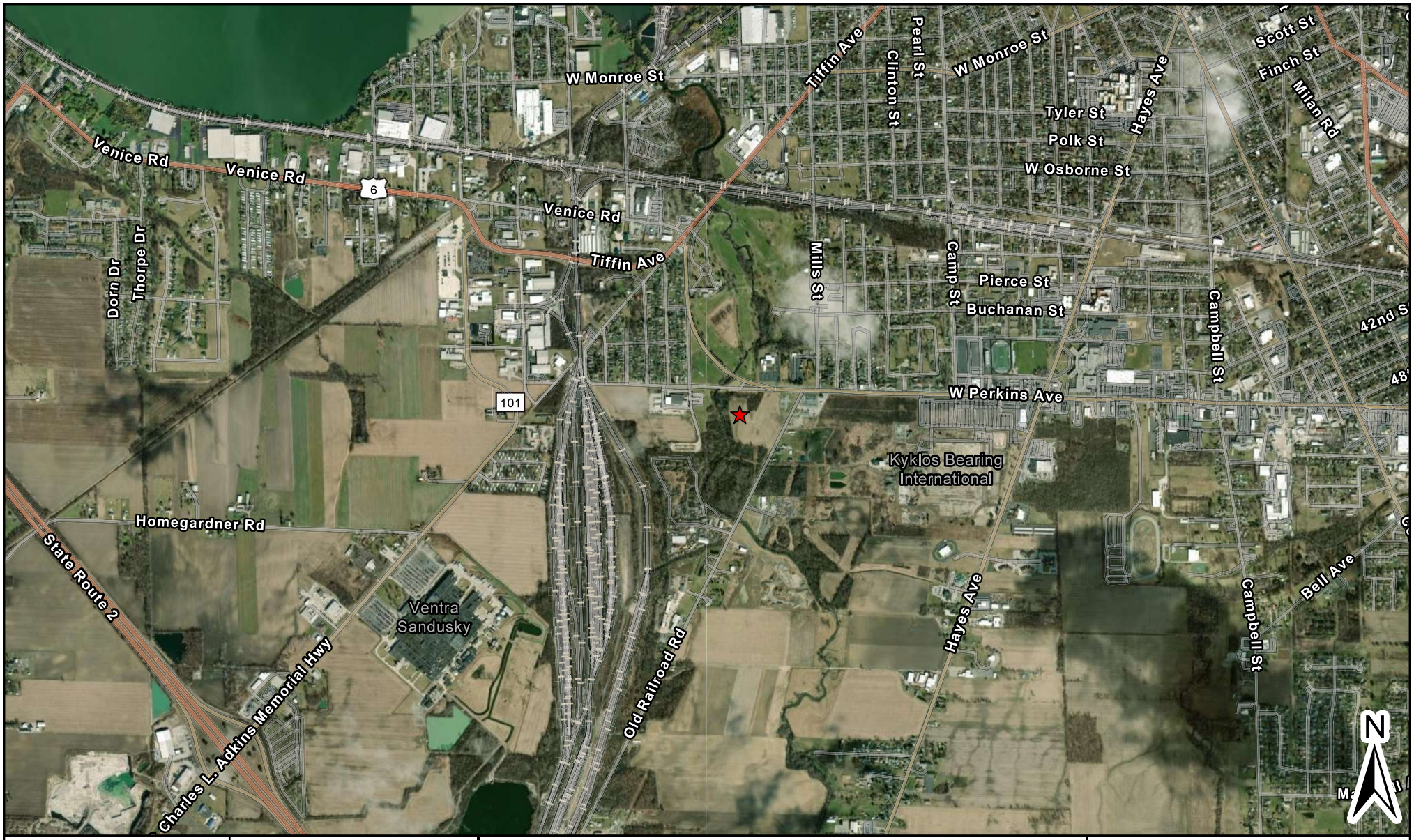
Coordinate System:
NAD 1983 2011 StatePlane Ohio North FIPS 3401 Ft US

ATSI®

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

VISTEON-GREENFIELD 138KV SWITCH REPLACEMENT PROJECT

EXHIBIT 1



Legend

★ Project Location

0 1,000 2,000 4,000

Feet

Reference Scale: 1:24,000

References:
ESRI Aerial Imagery, USGS National Map, ODOT

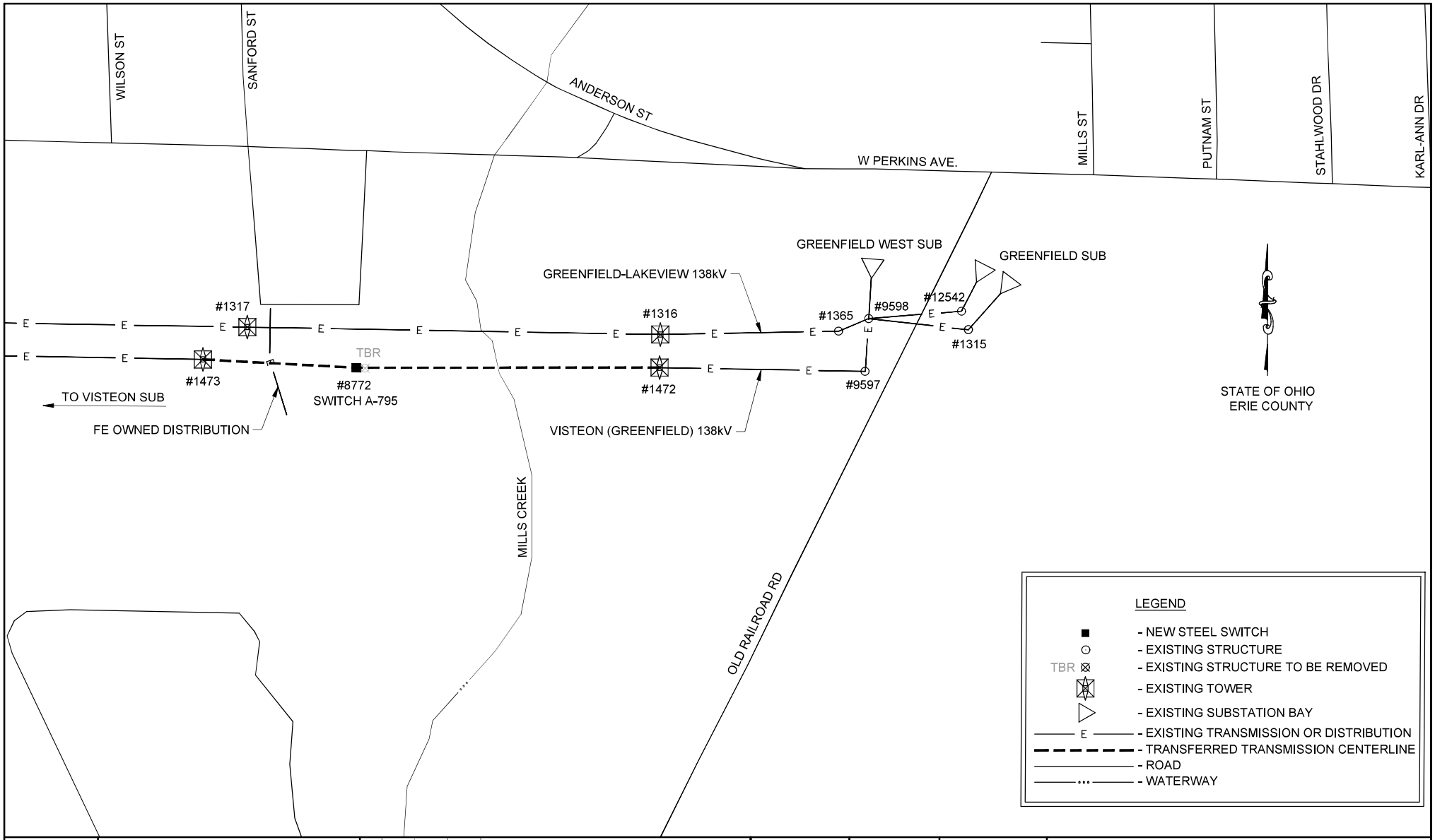
Coordinate System:
NAD 1983 2011 StatePlane Ohio North FIPS 3401 Ft US

ATSI®

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

VISTEON-GREENFIELD 138KV SWITCH REPLACEMENT PROJECT

EXHIBIT 2



DWG. NO.	REFERENCE	REV.	DATE	BY	APP.	DESCRIPTION

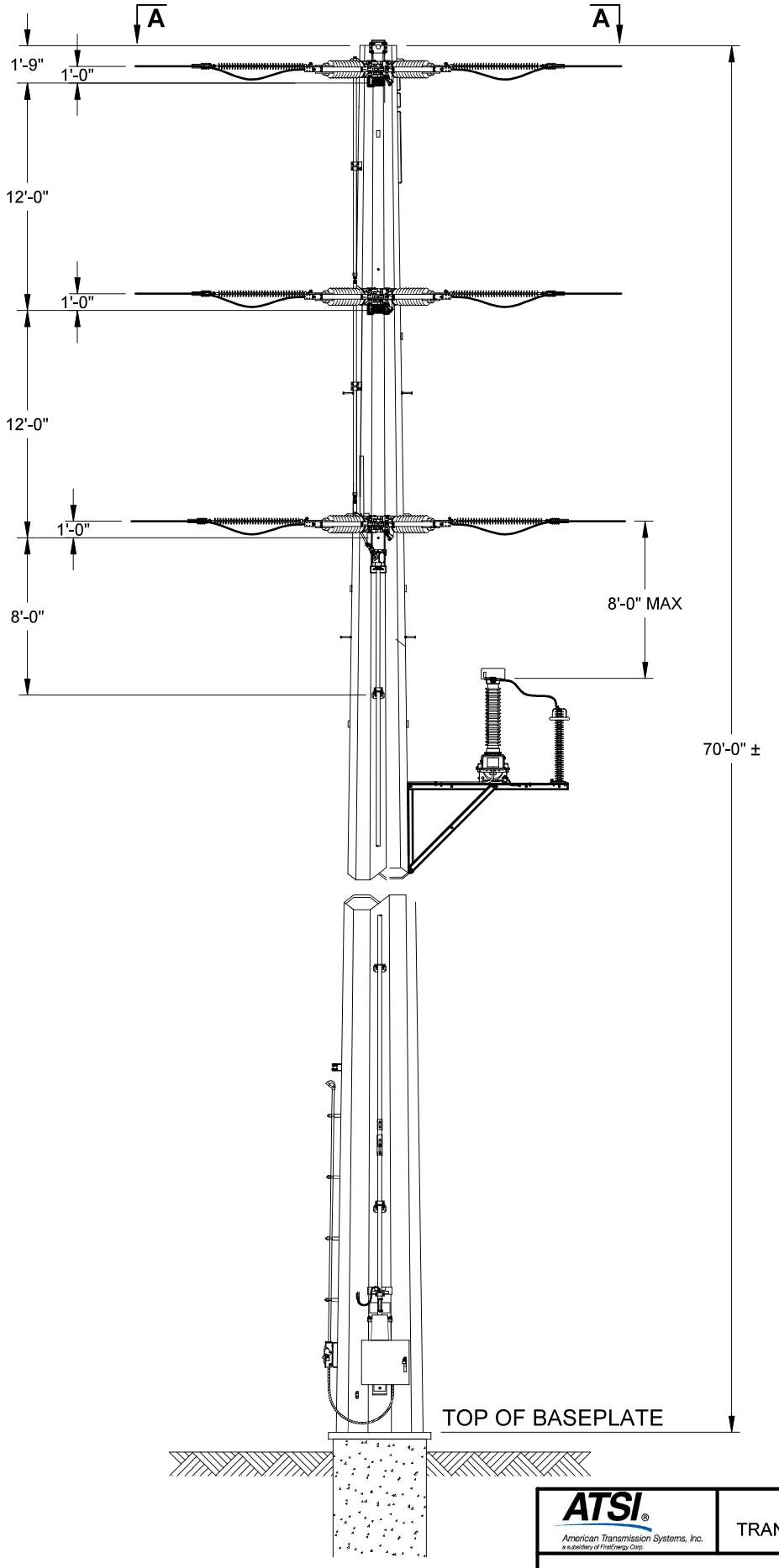
ISSUE DATE:
☐ CONSTRUCTION
☐ AS BUILT
☐ RECORD

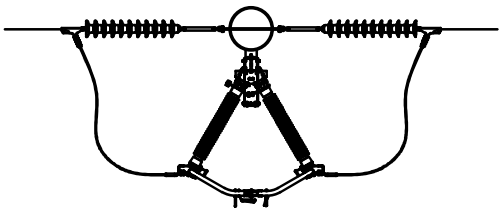
DR. NJZ/GAI	05/26	C.E.	25-168-OE
CHK. JLS/GAI	05/26	ORDER NO.	18291298
INS. RCA/GAI	05/26	WBS R/W	OE-004996-ATT-1
APP. PEC/GAI	05/26	SCALE	1: 200

VISTEON (GREENFIELD) 138kV SWITCH A-3 REPLACEMENT GENERAL LAYOUT

FirstEnergy Transmission Design

ASSET/OP. CO.	DWG NO.	SHEET	REV.
ATSI/OE	EXHIBIT 3	1/1	





SECTION A–A

SCALE: NTS

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

VISTEON-GREENFIELD 138 kV
TRANSMISSION LINE SWITCH REPLACEMENT PROJECT

138kV SINGLE CIRCUIT STEEL DEADEND SWITCH STRUCTURE
VERTICAL SINGLE POLE WITHOUT SHIELD WIRE

EXHIBIT 4

EXHIBIT 5

In reply, refer to
2025-ERI-66560

October 30, 2025

Justin D. McKissick
TRC Environmental Corporation
317 E. Carson St., Ste. 113
Pittsburgh, PA 15219
jmckissick@trccompanies.com

RE: Visteon – Greenfield 138kV A3 Switch Replacement Project, Erie County, Ohio

Dear Mr. McKissick:

This letter is in response to the correspondence received on September 30, 2025, regarding the proposed Visteon-Greenfield 138kV A3 Switch Replacement Project located in Perkins Township, Erie 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 and the Ohio Power Siting Board (OPSB) rules for siting this project (OAC 4906-4 & 4906-5). 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]).

Per the submission, the project involves the replacement of Switch A3 on the existing Visteon-Greenfield 138kV transmission line within an approximately 2.01-acre project area in Erie County, Ohio. All work will occur within existing utility right-of-way (ROW) and access roads will utilize timber matting to minimize ground disturbance. A review of SHPO's records indicates that the easternmost portion of the project area has been previously professionally surveyed; however, it did not identify any archaeological sites within the current project (Kreinbrink and Walley 2002). The project area has been visibly disturbed from prior construction activities. Based on this information, it is unlikely that significant archaeological sites will be impacted. No archaeological survey is recommended.

Based on the information provided, it is our office's opinion that the project, as proposed, will have no effect on historic properties. No further coordination with this office is necessary, unless the project changes or unless new or additional cultural resources are discovered during the implementation of this project. In such a situation, this office should be contacted. If you have any questions, please contact me by e-mail at cgullett@ohiohistory.org. Thank you for your cooperation.

Sincerely,

Catherine Gullett, Project Reviews Coordinator - Archaeology
Resource Protection and Review
State Historic Preservation Office

RPR Serial No. 1111107

EXHIBIT 6

Department of Natural Resources
ohiodnr.gov

Mike DeWine, *Governor*
Jim Tressel, *Lt. Governor*
Mary Mertz, *Director*

Office of Real Estate & Land Management
Tara Paciorek - Chief
2045 Morse Road – E-2
Columbus, Ohio 43229-6693

October 6, 2025

Jenna Slabe
TRC Companies, Inc.
1382 West 9th Street, Suite 400
Cleveland, Ohio 44113

Re: 25-1356_Visteon-Greenfield 138kV A3 Switch Replacement

Project: The proposed project involves the replacement of switch A3 on the existing Visteon-Greenfield 138kV transmission line.

Location: The proposed project is located in Perkins Township, Erie 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 clusters of dead leaves on tree limbs. 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 cleared, the DOW recommends tree and/or tree limb clearing 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 a Diameter Breast Height (DBH) ≥ 20" if possible. If trees are present within the project area, and trees and/or tree limbs must be cleared 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 clearing. Mist net and acoustic surveys should be conducted in accordance with the most recent version of the OHIO DIVISION OF WILDLIFE AND U.S. FISH AND WILDLIFE SERVICE (OH-FIELD OFFICE) JOINT GUIDANCE FOR BAT SURVEYS. If state-listed bats are documented, DOW recommends tree clearing only occur from October 1 through March 31. However, limited summer tree clearing may be acceptable after consultation with the DOW (contact Eileen Wyza at Eileen.Wyza@dnr.ohio.gov).

For every project, the DOW also recommends that a winter bat habitat assessment is conducted to determine if potential hibernacula are present within the project area. This is to limit possible disturbances that seasonal tree clearing and/or subsurface work (e.g., trenching, blasting, etc.) may cause to hibernating bats. Potential hibernacula include rocky outcroppings, caves, and underground mines. Direction on how to conduct winter habitat assessments can be found in the joint guidance linked above. If a potential or known hibernaculum is found, the DOW recommends a 0.25-mile permanent tree clearing buffer around the hibernaculum entrance. Limited summer or winter tree clearing may be acceptable after consultation with the DOW. If a habitat assessment for projects involving subsurface disturbance finds that a potential hibernaculum is present within 5 miles of the project area, please consult with Eileen Wyza for project recommendations. If no tree clearing or subsurface impacts to a hibernaculum are proposed, this project is not likely to impact these species.

The project is within the range of the eastern pondmussel *(Ligumia nasuta*), a state threatened mussel. Due to the location, and that there is no in-water work proposed in a perennial stream, this project is not likely to impact this species.

The project is within the range of the following listed fish species.

State Endangered
brook trout (*Salvelinus fontinalis*)
longnose sucker (*Catostomus catostomus*)
lake sturgeon (*Acipenser fulvescens*)
pugnose minnow (*Opsopoeodus emiliae*)
bigeye shiner (*Notropis boops*)
western banded killifish (*Fundulus diaphanus menona*)

State Threatened
channel darter (*Percina copelandi*)

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

The project is within the range of the eastern massasauga (*Sistrurus catenatus*), a state endangered and federally threatened snake species. The eastern massasauga uses a range of habitats including wet prairies, fens, and other wetlands, as well as drier upland habitat. Due to the location, the type of habitat within the project area, and the type of work proposed, this project is not likely to impact this species.

The project is within the range of the smooth greensnake (*Opheodrys vernalis*), a state endangered species. This species is primarily a prairie inhabitant but can also be found in marshy meadows and roadside ditches. Due to the location, the type of habitat within the project area, and the type of work proposed, this project is not likely to impact this species.

The project is within the range of the Kirtland's snake (*Clonophis kirtlandii*), a state threatened species. This secretive species prefers wet fields and meadows. Due to the location, the type of habitat within the project area, and the type of work proposed, this project is not likely to impact this species.

The project is within the range of the Blanding's turtle (*Emydoidea blandingii*), a state threatened species. This species inhabits marshes, ponds, lakes, streams, wet meadows, and swampy forests. Although essentially aquatic, the Blanding's turtle will travel over land as it moves from one wetland to the next. Due to the location and the type of work proposed, this project is not likely to impact this species.

The project is within the range of the spotted turtle (*Clemmys guttata*), a state threatened species. This species prefers fens, bogs and marshes, but also is known to inhabit wet prairies, meadows, pond edges, wet woods, and the shallow sluggish waters of small streams and ditches. Due to the location and the type of work proposed, this project is not likely to impact this 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, this project is not likely to impact this species.

The project is within the range of the sandhill crane (*Antigone canadensis*), a state threatened species. Sandhill cranes are primarily a wetland-dependent species. On their wintering grounds, they will utilize agricultural fields; however, they roost in shallow, standing water or moist bottomlands. On breeding grounds, they require a rather large tract of wet meadow, shallow marsh, or bog for nesting. If grassland, prairie, or wetland habitat will be impacted, construction should be avoided in this habitat during the species' nesting period of April 1 through August 31. If this habitat will not be impacted, this project is not likely to have an impact on this species.

Due to the potential for 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.

Water Resources: The Division of Water Resources has not conducted a project specific review and/or comments, however, the guidance provided below should be reviewed by the Environmental Review applicant for applicability on this project and subsequent compliance.

If the subject project is in a floodplain regulated by the Federal Emergency Management Agency (FEMA), the local floodplain administrator should be contacted concerning the possible need for any floodplain permits or approvals. The FEMA National Flood Hazard Layer (NHFL) Viewer website can be utilized to see if the project is in a FEMA regulated floodplain. If the project is not in a FEMA regulated floodplain, then no further action is required.

Ohio Revised Code (ORC) Section 1521.16 mandates that any owner of a property or a facility that has the capacity of withdrawing 100,000 gallons per day (gpd) of water from groundwater, surface water, or both must register with the Division of Water Resources' Water Withdrawal Facilities Registration (WWFR) Program and report their withdrawals annually.

Additional coordination may be required depending on the location of the withdrawal and consumptive use. Restrictions or permitting may be required for:

- New or increased consumptive use of water averaging 2 million gallons per day (mgd) within 30 days within the Ohio River basin.
- New or increased withdrawal and consumptive water use in the Lake Erie watershed averaging 1 million gallons per day (mgd) or more in 90 days.
- New or increased water withdrawal directly from Lake Erie averaging 2.5 million gallons per day (mgd) or more in 90 days.
- Diversion or movement of water across the Ohio River and Lake Erie basin divide.

If the project does not involve activities that are subject to water withdrawal regulatory requirements as described above, then no further action is required. For more information, visit the Water Inventory & Planning website.

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

Expiration: *ODNR Environmental Reviews are typically valid for 2 years from the issuance date. If the scope of work, project area, construction limits, and/or anticipated impacts to natural resources have changed significantly from the original project submittal, then a new Environmental Review request should be submitted.*

Stolarski, Adrianna

From: Eileen.Wyza@dnr.ohio.gov
Sent: Tuesday, October 21, 2025 11:55 AM
To: Slabe, Jenna
Cc: Falkinburg, Brad M (Ruszala, Amy M); Molnar, Maggie; Stolarski, Adrianna
Subject: [EXTERNAL] RE: Desktop Hibernacula Assessment: FirstEnergy's Visteon-Greenfield 138 kV A3 Switch Replacement Project

Hello Jenna,

Per review of the desktop survey provided for FirstEnergy's Visteon-Greenfield 138 kV A3 Switch Replacement Project, the Ohio Division of Wildlife concurs with your assessment that no caves, cliffs, or mine openings occur in the project area. Additionally, because bedrock will not be impacted, the project is not likely to impact hibernating bats that may be present in the nearby underground mines.

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

From: Slabe, Jenna <JSlabe@trccompanies.com>
Sent: Monday, October 20, 2025 9:14 AM
To: Wyza, Eileen <Eileen.Wyza@dnr.ohio.gov>
Cc: Falkinburg, Brad <BFalkinburg@trccompanies.com>; Molnar, Maggie <MMolnar@trccompanies.com>; Stolarski, Adrianna <astolarski@firstenergycorp.com>
Subject: Desktop Hibernacula Assessment: FirstEnergy's Visteon-Greenfield 138 kV A3 Switch Replacement Project

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 Visteon-Greenfield 138 kV A3 Switch Replacement Project located in Perkins Township, Erie County, Ohio.

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

Jenna Slabe, PWS
Ecologist

1382 W 9th St, Suite 400, Cleveland, OH 44113
C 330.998.0481 | JSlabe@trccompanies.com
TRCcompanies.com

EXHIBIT 7

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

September 19, 2025

Project Code: 2025-0145204

Dear Ms. Slabe:

The U.S. Fish and Wildlife Service (Service) has 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 impacts 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, location, and the proposed implementation of seasonal tree cutting (clearing of trees ≥3 inches diameter at breast height between October 1 and March 31) to avoid impacts to the endangered Indiana bat (*Myotis sodalis*) and northern long-eared bat (*Myotis septentrionalis*), and the proposed endangered tricolored bat (*Perimyotis subflavus*) we do not anticipate adverse effects to any other federally endangered, threatened, or proposed species, or proposed or designated critical habitat. Should the project design change, or additional information on listed or proposed species or their critical habitat become available, or if new information reveals effects of the action that were not previously considered, coordination with the Service should be initiated to assess any potential impacts.

Section 7 Coordination: If there is a federal nexus for the project (e.g., federal funding provided, federal permits required to construct), then no tree clearing should occur on any portion of the project area until consultation under section 7 of the ESA, between the Service and the federal action agency, is completed. We recommend the federal action agency submit a determination of effects to this office, relative to the Indiana bat and northern long-eared bat, for our review and concurrence. This letter provides technical assistance only and does not serve as a completed section 7 consultation document.

Stream and Wetland Avoidance: Over 90% of the wetlands in Ohio have been drained, filled, or modified by human activities, thus is it important to conserve the functions and values of the remaining wetlands in Ohio (https://epa.ohio.gov/portals/47/facts/ohio_wetlands.pdf). We recommend avoiding and minimizing project impacts to all wetland habitats (e.g., forests, streams, vernal pools) to the maximum extent possible in order to benefit water quality and fish and wildlife habitat. Additionally, natural buffers around streams and wetlands should be preserved to enhance beneficial functions. If streams or wetlands will be impacted, the U.S. Army Corps of Engineers should be contacted to determine whether a Clean Water Act section 404 permit is required. Best management practices should be used to minimize erosion, especially on slopes. Disturbed areas should be mulched and revegetated with native plant

species. In addition, prevention of non-native, invasive plant establishment is critical in maintaining high quality habitats.

Thank you for your efforts to conserve listed species and sensitive habitats in Ohio. We recommend coordinating with the Ohio Department of Natural Resources due to the potential for the proposed project to affect state listed species and/or state lands. Contact Mike Pettegrew, Environmental Services Administrator, at (614) 265-6387 or at mike.pettegrew@dnr.ohio.gov.

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,

Erin Knoll
Field Office Supervisor

EXHIBIT 8

1382 West Ninth St.
Suite 400
Cleveland, OH 44113

T 216.344.3072
TRCcompanies.com

October 16, 2025

Ms. Adrianna Stolarski
FirstEnergy Corporation
341 White Pond Drive
Akron, OH 44320

Reference: Technical Memorandum for the Surface Water Delineation of the Visteon-Greenfield 138 kV A3 Switch Replacement Project located in Perkins Township, Erie County, Ohio. **(TRC Project No. 664676 Phase 13)**

Dear Ms. Stolarski:

On behalf of FirstEnergy Corporation (FirstEnergy), TRC Environmental Corporation (TRC) conducted a surface water delineation for Visteon-Greenfield 138 kV A3 Switch Replacement Project (Project). The Project is located in Perkins Township, Erie County, Ohio and the Study Area is 2.01 acres total in size (**Attachment A, Figures 1 and 2**). The Project Study Area is located at the following approximate coordinates: 41.432522, -82.728631 (eastern terminus) and 41.432245, -82.734724 (western terminus). This Project involves the replacement of switch A3 on the existing Visteon-Greenfield 138kV transmission line.

The delineation was conducted by qualified wetland scientists on September 11, 2025, 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 Sandusky, Ohio 7.5-minute quadrangle topographic map. Soils mapped within the Project Study Area include hydric soils and non-hydric with hydric inclusions (**Attachment A, Figure 3**). The proposed Project Study Area includes one (1) mapped NWI feature (freshwater forested/shrub wetland), and no mapped NHD features (**Attachment A, Figure 4**). According to Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map panel, 39043C0086D (eff. 8/28/2008), portions of the proposed Project are located within a FEMA mapped 100-Year Flood Zone. During the field investigation, land use within the Project Study Area was observed to be existing, maintained utility right-of-way within developed open space (mowed) surrounded by industrial land use. See the attached mapping in **Attachment A** and the Photographic Record in **Attachment B** for additional Project Study Area details.

During the field investigation, no ecological resources were observed within the Project Study Area. To verify the absence of wetlands within the Project Study Area, four (4) upland data points (ROP-EVN-1, ROP-EVN-2, ROP-EVN-3, U-EVN-1) were collected and are shown on **Figure 5** in **Attachment A**. Data was collected and recorded on the USACE Wetland Determination Data Sheet – Northcentral and Northeast Region. The USACE Wetland Determination Data Sheets are 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.

Kind Regards,

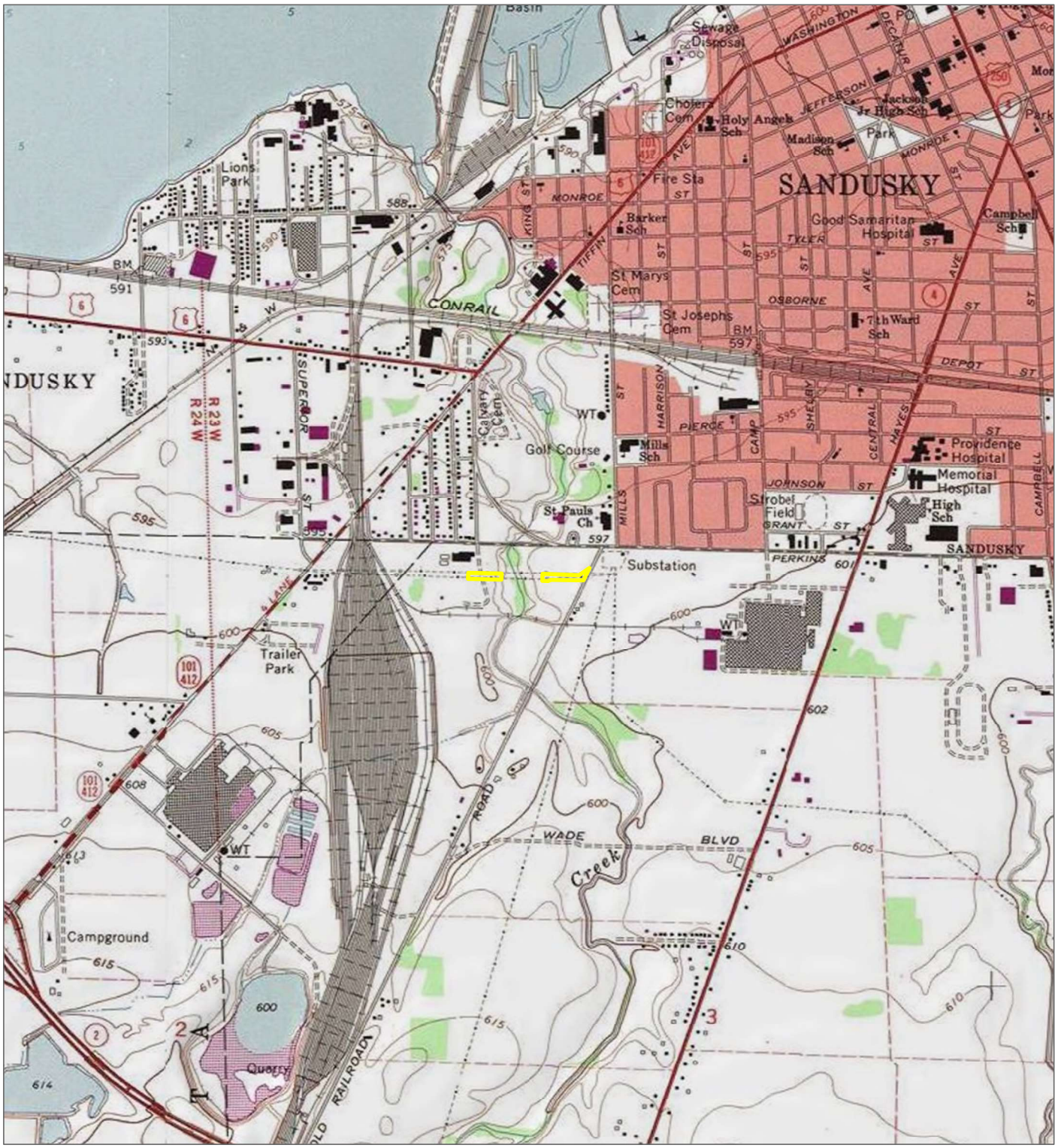
TRC

Brad M. Falkinburg, PWS
Ecological Office Practice Leader

cc: Maggie Molnar, PWS – TRC Environmental Corporation

Attachments
Attachment A: Figures
Attachment B: Photographic Record
Attachment C: Data Sheets

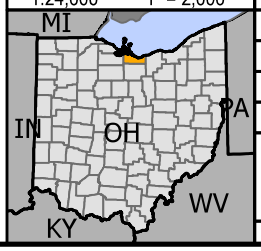
ATTACHMENT A – Figures



PROJECT STUDY AREA

BASE MAP: USA TOPO MAPS MAP SERVICE, SANDUSKY QUAD

0 1,000 2,000
FEET
1:24,000 1" = 2,000'



PROJECT:
FIRSTENERGY - VISTEON-GREENFIELD 138 KV A3 SWITCH REPLACEMENT PROJECT ERIE COUNTY, OH

TITLE:
SITE LOCATION MAP

DRAWN BY:	M. OPEL	PROJ. NO.:	664676 P13
CHECKED BY:	M. MOLNAR		
APPROVED BY:	B. FALKINBURG		**FIGURE 1**
DATE:	SEPTEMBER 2025		

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

FILE: WDR

PROJECT STUDY AREA

BASE MAP: GOOGLE MAPS.

1:1,800
1" = 150'

0 150 300 FEET

PROJECT:
FIRSTENERGY - VISTEON-GREENFIELD 138 KV A3 SWITCH REPLACEMENT PROJECT ERIE COUNTY, OH

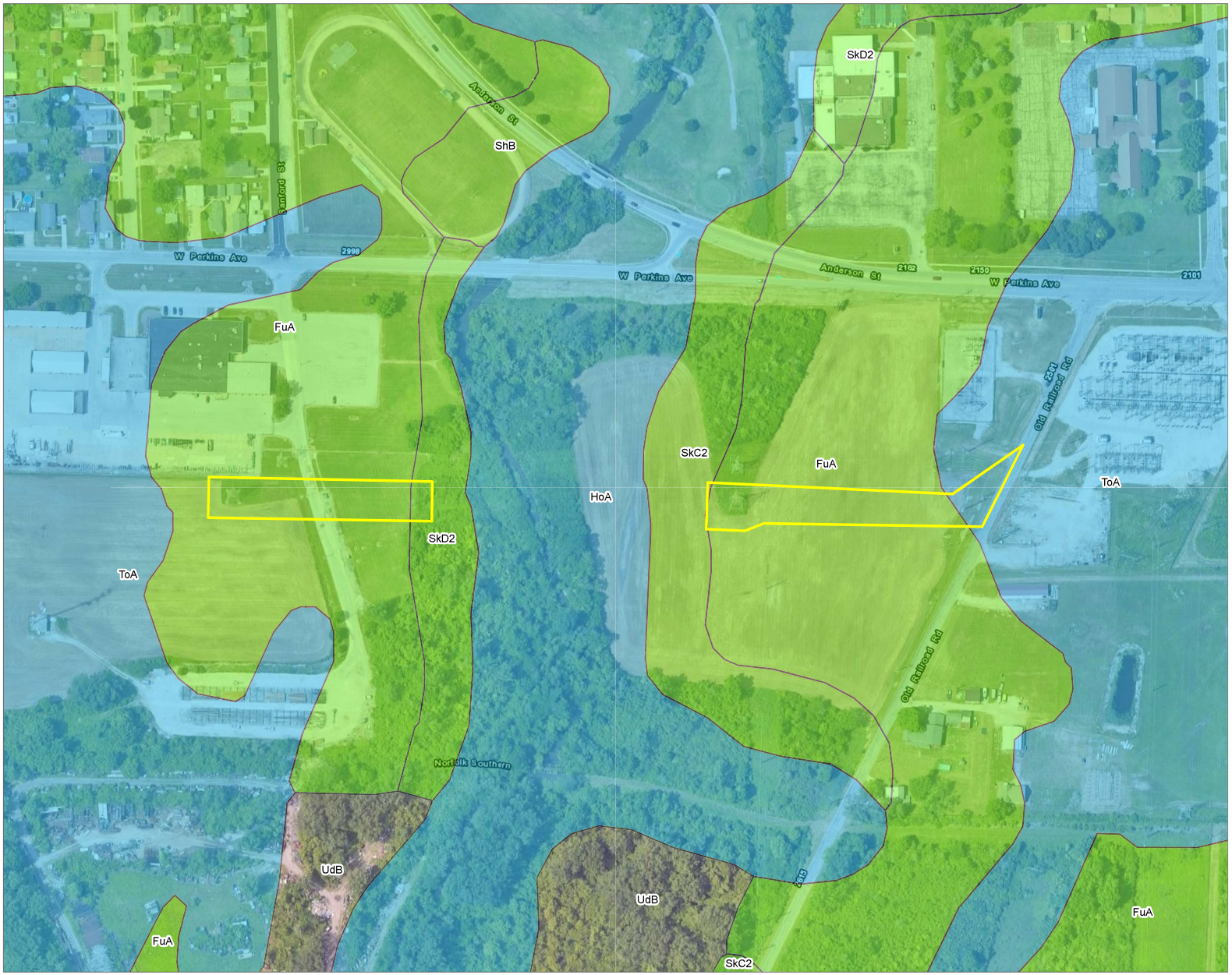
TITLE:
AERIAL MAP

DRAWN BY:	M. OPEL	PROJ. NO.:	664676 P13
CHECKED BY:	M. MOLNAR		
APPROVED BY:	B. FALKINBURG		**FIGURE 2**
DATE:	SEPTEMBER 2025		

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

FILE: WDR.aprx

Coordinate System: NAD 1983 StatePlane Ohio North FIPS 3401 Feet Map Rotation: 0
- Saved By: MOPEL on 9/3/2025, 15:01:48 PM File Path: T:\1-PROJECTS\Firstenergy\664676_013 VistoonGreenfieldA3Switch\2-APRX\WDR.aprx Layout Name: Fig02_Aerial



PROJECT STUDY AREA
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.

1:2,400
1" = 200'

0 200 400 FEET

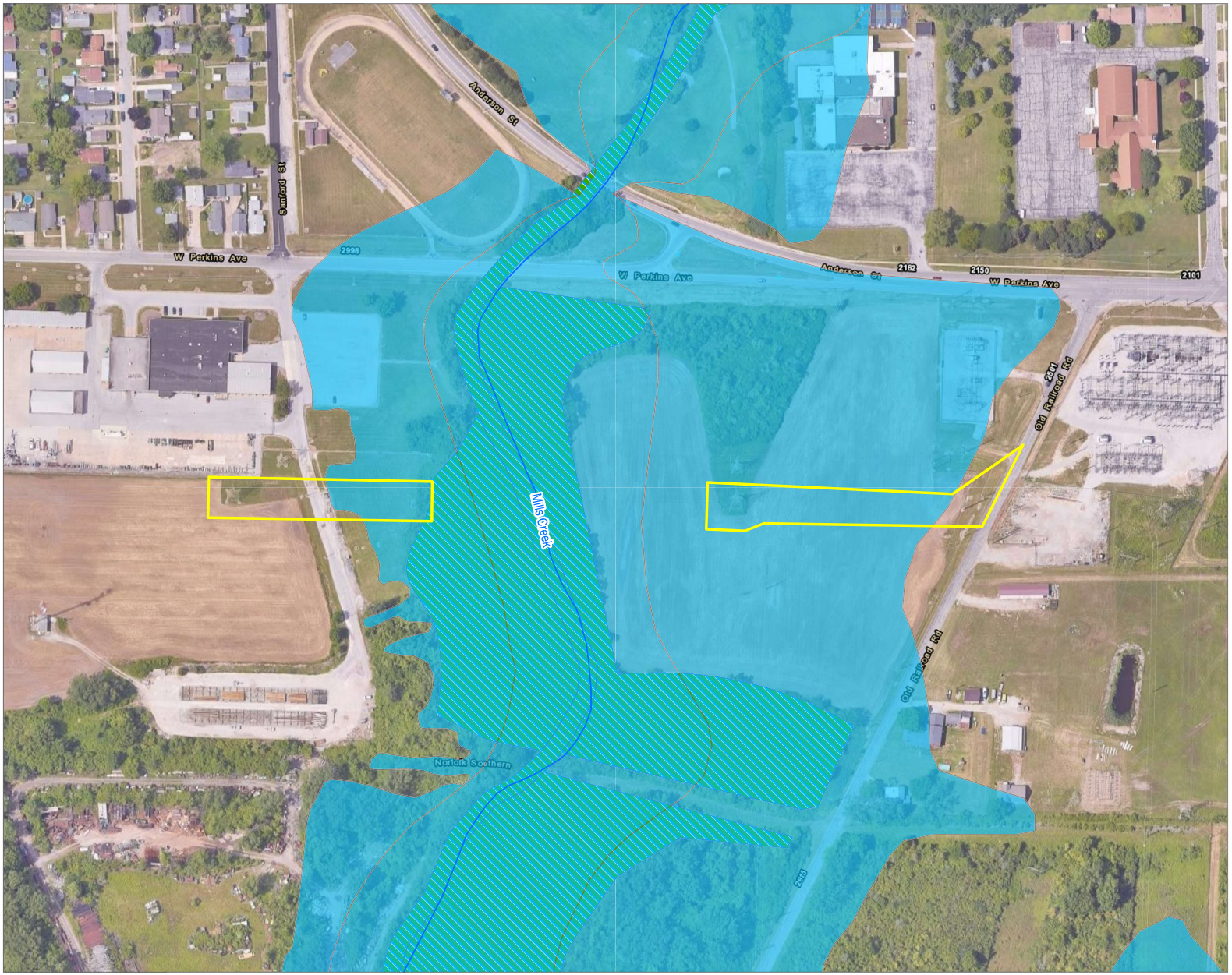
PROJECT:
FIRSTENERGY - VISTEON-GREENFIELD 138 KV A3 SWITCH REPLACEMENT PROJECT ERIE COUNTY, OH

TITLE:
SOILS MAP

DRAWN BY:	M. OPEL	PROJ. NO.:	664676 P13
CHECKED BY:	M. MOLNAR		
APPROVED BY:	B. FALKINBURG		**FIGURE 3**
DATE:	OCTOBER 2025		

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

FILE: WDR.aprx



PROJECT STUDY AREA

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).

N

1:2,400
1" = 200'

0 200 400 FEET

PROJECT:
FIRSTENERGY - VISTEON-GREENFIELD 138 KV A3 SWITCH REPLACEMENT PROJECT ERIE COUNTY, OH

TITLE:
NHD, NWI AND FEMA FLOODPLAIN MAP

DRAWN BY:	M. OPEL	PROJ. NO.:	664676 P13
CHECKED BY:	M. MOLNAR		
APPROVED BY:	B. FALKINBURG		**FIGURE 4**
DATE:	OCTOBER 2025		

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

FILE: WDR.aprx

PROJECT STUDY AREA

NON-JURISDICTIONAL DITCH

UPLAND DATA POINT

BASE MAP: GOOGLE MAPS.
DATA SOURCES: TRC WETLAND DELINEATION COMPLETED SEPTEMBER 11, 2025.

1:1,800
1" = 150'

0 150 300 FEET

PROJECT:
FIRSTENERGY - VISTEON-GREENFIELD 138 KV A3 SWITCH REPLACEMENT PROJECT ERIE COUNTY, OH

TITLE:
DELINEATED RESOURCES MAP

DRAWN BY:	M. OPEL	PROJ. NO.:	664676 P13
CHECKED BY:	M. MOLNAR		
APPROVED BY:	B. FALKINBURG		**FIGURE 5**
DATE:	OCTOBER 2025		

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

FILE: WDR.aprx

ATTACHMENT B – Photographic Record

PHOTOGRAPHIC RECORD

Visteon-Greenfield 138 kV A3 Switch Replacement Project

Client Name:	Site Location:	Project No.
FirstEnergy	Perkins Township, Erie County, Ohio	664676 PH13

Photo No. 1. **Photo Date:** 9/11/2025 **Description:** Representative photo from the west portion of the Project Study Area, facing west.	

Photo No. 2. **Photo Date:** 9/11/2025 **Description:** Representative photo from the west portion of the Project Study Area, facing east.	

Client Name:	Site Location:	Project No.
FirstEnergy	Perkins Township, Erie County, Ohio	664676 PH13

Photo No. 3.
Photo Date: 9/11/2025
Description: Representative photo from the west portion of the Project Study Area, facing south.

Photo No. 4.
Photo Date: 9/11/2025
Description: Representative photo from the east portion of the Project Study Area, facing south.

Client Name:	Site Location:	Project No.
FirstEnergy	Perkins Township, Erie County, Ohio	664676 PH13

Photo No. 5.
Photo Date: 9/11/2025
Description: Representative photo from the east portion of the Project Study Area, facing west.

Photo No. 6.
Photo Date: 9/11/2025
Description: Representative photo from the east portion of the Project Study Area, facing east.

Client Name:	Site Location:	Project No.
FirstEnergy	Perkins Township, Erie County, Ohio	664676 PH13

Photo No. 7.	
Photo Date: 9/11/2025	
Description: Representative photo from the east portion of the Project Study Area, facing west.	

ATTACHMENT C – Data Sheets

USACE Wetland Determination Data Form – Northcentral and Northeast Region

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region
See ERDC/EL TR-12-1; the proponent agency is CECW-COR

OMB Control #: 0710-0024, Exp: 09/30/2027
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: Visteon-Greenfield A3 Switch Replacement City/County: Sandusky, Erie County Sampling Date: 2025-9-11
Applicant/Owner: FirstEnergy State: OH Sampling Point: ROP-EVN-1
Investigator(s): Leah Cavanaugh, Erin Van Nort Section, Township, Range: NA
Landform (hillslope, terrace, etc): Flat Local relief (concave, convex, none): None Slope (%): 0 to 1
Subregion (LRR or MLRA): MLRA 99 of LRR L Lat: 41.432237 Long: -82.734156 Datum: WGS84
Soil Map Unit Name: Fulton silty clay loam, 0 to 2 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 ✘ No ____
Hydric Soil Present? Yes ✘ No ____
Wetland Hydrology Present? Yes ____ No ✘

Is the Sampled Area within a Wetland? **Yes** ____ **No** ✘

If yes, optional Wetland Site ID: ____

Remarks: (Explain alternative procedures here or in a separate report.)
Covertype is UPL. Based on the absence of the wetland hydrology parameter, this area is an upland.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)
- __ Surface Water (A1)
- __ High Water Table (A2)
- __ Saturation (A3)
- __ Water Marks (B1)
- __ Sediment Deposits (B2)
- __ Drift Deposits (B3)
- __ Algal Mat or Crust (B4)
- __ Iron Deposits (B5)
- __ Inundation Visible on Aerial Imagery (B7)
- __ Sparsely Vegetated Concave Surface (B8)
- __ Water-Stained Leaves (B9)
- __ Aquatic Fauna (B13)
- __ Marl Deposits (B15)
- __ Hydrogen Sulfide Odor (C1)
- __ Oxidized Rhizospheres on Living Roots (C3)
- __ Presence of Reduced Iron (C4)
- __ Recent Iron Reduction in Tilled Soils (C6)
- __ Thin Muck Surface (C7)
- __ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)
- __ Surface Soil Cracks (B6)
- __ Drainage Patterns (B10)
- __ Moss Trim Lines (B16)
- __ Dry-Season Water Table (C2)
- __ Crayfish Burrows (C8)
- ✘ Saturation Visible on Aerial Imagery (C9)
- __ Stunted or Stressed Plants (D1)
- __ Geomorphic Position (D2)
- __ Shallow Aquitard (D3)
- __ Microtopographic Relief (D4)
- __ FAC-Neutral Test (D5)

Field Observations:
Surface Water Present? Yes ____ No ✘ Depth (inches): ____
Water Table Present? Yes ____ No ✘ Depth (inches): ____
Saturation Present? (includes capillary fringe) Yes ____ No ✘ Depth (inches): ____

Wetland Hydrology Present? **Yes** ____ **No** ✘

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

Remarks:
The criterion for wetland hydrology is not met.

VEGETATION – Use scientific names of plants. Sampling Point: ROP-EVN-1

Tree Stratum (Plot size: 30 ft radius)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15 ft radius)			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0	= Total Cover	

Herb Stratum (Plot size: 5 ft radius)				
1.	*Panicum capillare*	30	Yes	FAC
2.	*Dichanthelium boreale*	25	Yes	FAC
3.	*Setaria pumila*	20	Yes	FAC
4.	*Echinochloa crus-galli*	15	No	FAC
5.	*Rumex crispus*	10	No	FAC
6.				
7.				
8.				
9.				
10.				
11.				
12.				
		100	= Total Cover	

Woody Vine Stratum (Plot size: 30 ft radius)			
1.			
2.			
3.			
4.			
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	100	x 3 =	300
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	100 (A)		300 (B)

Prevalence Index = B/A = 3

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.

Definitions of Vegetation Strata:

Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ✘ No __

Remarks: (Include photo numbers here or on a separate sheet.)

The criterion for hydrophytic vegetation is met.

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0 to 20	10YR 5/1	95	10YR 5/8	5	C	PL	Clay Loam	

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

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Iron Monosulfide (A18)
- ___ Mesic Spodic (A17) **(MLRA 144A, 145, 149B)**
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) **(LRR R, MLRA 149B)**
- ___ Thin Dark Surface (S9) **(LRR R, MLRA 149B)**
- ___ High Chroma Sands (S11) **(LRR K, L)**
- ___ Loamy Mucky Mineral (F1) **(LRR K, L)**
- ___ Loamy Gleyed Matrix (F2)
- ✘ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Marl (F10) **(LRR K, L)**
- ___ Red Parent Material (F21) **(MLRA 145)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(LRR K, L, MLRA 149B)**
- ___ 5 cm Muck Peat or Peat (S3) **(LRR K, L, R)**
- ___ Polyvalue Below Surface (S8) **(LRR K, L)**
- ___ Thin Dark Surface (S9) **(LRR K, L)**
- ___ Iron-Manganese Masses (F12) **(LRR K, L, R)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 149B)**
- ___ Red Parent Material (F21) **(outside MLRA 145)**
- ___ Very Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

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

Restrictive Layer (if present):
Type: Not present
Depth (inches): ___

Hydric Soil Present? Yes ✘ **No** ___

Remarks:
The criterion for hydric soil is met.

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region
See ERDC/EL TR-12-1; the proponent agency is CECW-COR

OMB Control #: 0710-0024, Exp: 09/30/2027
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: Visteon-Greenfield A3 Switch Replacement City/County: Sandusky, Erie County Sampling Date: 2025-9-11
Applicant/Owner: FirstEnergy State: OH Sampling Point: ROP-EVN-2
Investigator(s): Leah Cavanaugh, Erin Van Nort Section, Township, Range: NA
Landform (hillslope, terrace, etc): Foot slope Local relief (concave, convex, none): None Slope (%): 0 to 1
Subregion (LRR or MLRA): MLRA 99 of LRR L Lat: 41.432246 Long: -82.733065 Datum: WGS84
Soil Map Unit Name: Shinrock silty clay loam, 12 to 18 percent slopes, eroded 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 ____ No ✘
Hydric Soil Present? Yes ✘ No ____
Wetland Hydrology Present? Yes ____ No ✘

Is the Sampled Area within a Wetland? **Yes** ____ **No** ✘

If yes, optional Wetland Site ID: ____

Remarks: (Explain alternative procedures here or in a separate report.)
Covertype is UPL. Based on the absence of two of three parameters, this area is an upland.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)
- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)
- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:
Surface Water Present? Yes ____ No ✘ Depth (inches): ____
Water Table Present? Yes ____ No ✘ Depth (inches): ____
Saturation Present? (includes capillary fringe) Yes ____ No ✘ Depth (inches): ____

Wetland Hydrology Present? **Yes** ____ **No** ✘

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

Remarks:
The criterion for wetland hydrology is not met.

VEGETATION – Use scientific names of plants. Sampling Point: ROP-EVN-2

Tree Stratum (Plot size: 30 ft radius)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15 ft radius)			
1. *Lonicera morrowii*	15	Yes	FACU
2.			
3.			
4.			
5.			
6.			
7.			
	15	= Total Cover	
Herb Stratum (Plot size: 5 ft radius)			
1. *Phalaris arundinacea*	30	Yes	FACW
2. *Impatiens capensis*	25	Yes	FACW
3. *Solidago altissima*	25	Yes	FACU
4. *Verbena hastata*	20	No	FACW
5. *Ageratina altissima*	15	No	FACU
6. *Hypericum perforatum*	15	No	UPL
7. *Dipsacus fullonum*	10	No	FACU
8. *Epilobium coloratum*	8	No	OBL
9.			
10.			
11.			
12.			
	148	= Total Cover	
Woody Vine Stratum (Plot size: 30 ft radius)			
1.			
2.			
3.			
4.			
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 50% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	8	x 1 =	8
FACW species	75	x 2 =	150
FAC species	0	x 3 =	0
FACU species	65	x 4 =	260
UPL species	15	x 5 =	75
Column Totals:	163 (A)		493 (B)

Prevalence Index = B/A = 3

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.

Definitions of Vegetation Strata:

Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes _____ No ✘

Remarks: (Include photo numbers here or on a separate sheet.)

The criterion for hydrophytic vegetation is not met.

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0 to 8	10YR 4/1	100					Silty Clay Loam	
8 to 20	10YR 5/2	90	10YR 5/8	10	C	M	Silty Clay Loam	

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

Hydric Soil Indicators:

- __ Histosol (A1)
- __ Histic Epipedon (A2)
- __ Black Histic (A3)
- __ Hydrogen Sulfide (A4)
- __ Stratified Layers (A5)
- __ Depleted Below Dark Surface (A11)
- __ Thick Dark Surface (A12)
- __ Iron Monosulfide (A18)
- __ Mesic Spodic (A17) **(MLRA 144A, 145, 149B)**
- __ Sandy Mucky Mineral (S1)
- __ Sandy Gleyed Matrix (S4)
- __ Sandy Redox (S5)
- __ Stripped Matrix (S6)
- __ Dark Surface (S7)
- __ Polyvalue Below Surface (S8) **(LRR R, MLRA 149B)**
- __ Thin Dark Surface (S9) **(LRR R, MLRA 149B)**
- __ High Chroma Sands (S11) **(LRR K, L)**
- __ Loamy Mucky Mineral (F1) **(LRR K, L)**
- __ Loamy Gleyed Matrix (F2)
- ✘ Depleted Matrix (F3)
- __ Redox Dark Surface (F6)
- __ Depleted Dark Surface (F7)
- __ Redox Depressions (F8)
- __ Marl (F10) **(LRR K, L)**
- __ Red Parent Material (F21) **(MLRA 145)**

Indicators for Problematic Hydric Soils[3]:

- __ 2 cm Muck (A10) **(LRR K, L, MLRA 149B)**
- __ 5 cm Muck Peat or Peat (S3) **(LRR K, L, R)**
- __ Polyvalue Below Surface (S8) **(LRR K, L)**
- __ Thin Dark Surface (S9) **(LRR K, L)**
- __ Iron-Manganese Masses (F12) **(LRR K, L, R)**
- __ Piedmont Floodplain Soils (F19) **(MLRA 149B)**
- __ Red Parent Material (F21) **(outside MLRA 145)**
- __ Very Shallow Dark Surface (F22)
- __ Other (Explain in Remarks)

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

Restrictive Layer (if present):
Type: Not present
Depth (inches): _____

Hydric Soil Present? Yes ✘ **No** _____

Remarks:
The criterion for hydric soil is met.

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region
See ERDC/EL TR-12-1; the proponent agency is CECW-COR

OMB Control #: 0710-0024, Exp: 09/30/2027
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: Visteon-Greenfield A3 Switch Replacement City/County: Sandusky, Erie County Sampling Date: 2025-9-11
Applicant/Owner: FirstEnergy State: OH Sampling Point: ROP-EVN-3
Investigator(s): Erin Van Nort, Leah Cavanaugh Section, Township, Range: NA
Landform (hillslope, terrace, etc): Flat Local relief (concave, convex, none): None Slope (%): 0 to 1
Subregion (LRR or MLRA): MLRA 99 of LRR L Lat: 41.432209 Long: -82.729272 Datum: WGS84
Soil Map Unit Name: Holly silt loam, 0 to 1 percent slopes, occasionally flooded 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 ✘	No _____	**Is the Sampled Area within a Wetland?** Yes _____ No ✘
Hydric Soil Present?	Yes _____	No ✘	
Wetland Hydrology Present?	Yes _____	No ✘	If yes, optional Wetland Site ID: ROP-EVN-3

Remarks: (Explain alternative procedures here or in a separate report.)
Covertype is UPL. Based on the absence of two of three parameters, this area is an upland.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)
- __ Surface Water (A1)
- __ High Water Table (A2)
- __ Saturation (A3)
- __ Water Marks (B1)
- __ Sediment Deposits (B2)
- __ Drift Deposits (B3)
- __ Algal Mat or Crust (B4)
- __ Iron Deposits (B5)
- __ Inundation Visible on Aerial Imagery (B7)
- __ Sparsely Vegetated Concave Surface (B8)
- __ Water-Stained Leaves (B9)
- __ Aquatic Fauna (B13)
- __ Marl Deposits (B15)
- __ Hydrogen Sulfide Odor (C1)
- __ Oxidized Rhizospheres on Living Roots (C3)
- __ Presence of Reduced Iron (C4)
- __ Recent Iron Reduction in Tilled Soils (C6)
- __ Thin Muck Surface (C7)
- __ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)
- __ Surface Soil Cracks (B6)
- __ Drainage Patterns (B10)
- __ Moss Trim Lines (B16)
- __ Dry-Season Water Table (C2)
- __ Crayfish Burrows (C8)
- ✘ Saturation Visible on Aerial Imagery (C9)
- __ Stunted or Stressed Plants (D1)
- __ Geomorphic Position (D2)
- __ Shallow Aquitard (D3)
- __ Microtopographic Relief (D4)
- __ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes _____	No ✘	Depth (inches): _____
Water Table Present?	Yes _____	No ✘	Depth (inches): _____
Saturation Present? (includes capillary fringe)	Yes _____	No ✘	Depth (inches): _____

Wetland Hydrology Present? Yes _____ No ✘

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

Remarks:
The criterion for wetland hydrology is not met.

VEGETATION — Use scientific names of plants. Sampling Point: ROP-EVN-3

Tree Stratum (Plot size: 30 ft radius)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15 ft radius)			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0	= Total Cover	

Herb Stratum (Plot size: 5 ft radius)			
1. *Echinochloa crus-galli*	75	Yes	FAC
2. *Dichanthelium boreale*	25	Yes	FAC
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	100	= Total Cover	

Woody Vine Stratum (Plot size: 30 ft radius)			
1.			
2.			
3.			
4.			
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	100	x 3 =	300
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	100 (A)		300 (B)

Prevalence Index = B/A = 3

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.

Definitions of Vegetation Strata:

Tree — Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub — Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb — All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines — All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** ✘ **No** __

Remarks: (Include photo numbers here or on a separate sheet.)

The criterion for hydrophytic vegetation is met.

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0 to 14	2.5Y 3/2	100					Clay Loam	
14 to 20	2.5Y 3/2	55	10YR 5/2	35	D	M	Clay Loam	
14 to 20			10YR 5/8	10	C	M	Clay Loam	

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

Hydric Soil Indicators:

- __ Histosol (A1)
- __ Histic Epipedon (A2)
- __ Black Histic (A3)
- __ Hydrogen Sulfide (A4)
- __ Stratified Layers (A5)
- __ Depleted Below Dark Surface (A11)
- __ Thick Dark Surface (A12)
- __ Iron Monosulfide (A18)
- __ Mesic Spodic (A17) **(MLRA 144A, 145, 149B)**
- __ Sandy Mucky Mineral (S1)
- __ Sandy Gleyed Matrix (S4)
- __ Sandy Redox (S5)
- __ Stripped Matrix (S6)
- __ Dark Surface (S7)
- __ Polyvalue Below Surface (S8) **(LRR R, MLRA 149B)**
- __ Thin Dark Surface (S9) **(LRR R, MLRA 149B)**
- __ High Chroma Sands (S11) **(LRR K, L)**
- __ Loamy Mucky Mineral (F1) **(LRR K, L)**
- __ Loamy Gleyed Matrix (F2)
- __ Depleted Matrix (F3)
- __ Redox Dark Surface (F6)
- __ Depleted Dark Surface (F7)
- __ Redox Depressions (F8)
- __ Marl (F10) **(LRR K, L)**
- __ Red Parent Material (F21) **(MLRA 145)**

Indicators for Problematic Hydric Soils[3]:

- __ 2 cm Muck (A10) **(LRR K, L, MLRA 149B)**
- __ 5 cm Muck Peat or Peat (S3) **(LRR K, L, R)**
- __ Polyvalue Below Surface (S8) **(LRR K, L)**
- __ Thin Dark Surface (S9) **(LRR K, L)**
- __ Iron-Manganese Masses (F12) **(LRR K, L, R)**
- __ Piedmont Floodplain Soils (F19) **(MLRA 149B)**
- __ Red Parent Material (F21) **(outside MLRA 145)**
- __ Very Shallow Dark Surface (F22)
- __ Other (Explain in Remarks)

[3]Indicators 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** ✘

Remarks:

The criterion for hydric soil is not met.

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region
See ERDC/EL TR-12-1; the proponent agency is CECW-COR

OMB Control #: 0710-0024, Exp: 09/30/2027
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: Visteon-Greenfield A3 Switch Replacement City/County: Sandusky, Erie County Sampling Date: 2025-9-11
Applicant/Owner: FirstEnergy State: OH Sampling Point: U-EVN-01
Investigator(s): Erin Van Nort, Leah Cavanaugh Section, Township, Range: NA
Landform (hillslope, terrace, etc): Mound Local relief (concave, convex, none): None Slope (%): 0 to 1
Subregion (LRR or MLRA): MLRA 99 of LRR L Lat: 41.432232 Long: -82.730874 Datum: WGS84
Soil Map Unit Name: Fulton silty clay loam, 0 to 2 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 _____ No ✘
Hydric Soil Present? Yes _____ No ✘
Wetland Hydrology Present? Yes _____ No ✘

Is the Sampled Area within a Wetland? **Yes** _____ **No** ✘

If yes, optional Wetland Site ID: _____

Remarks: (Explain alternative procedures here or in a separate report.)
Covertype is UPL. Based on the absence of all three parameters, this area is an upland.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)
- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)
- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:
Surface Water Present? Yes _____ No ✘ Depth (inches): _____
Water Table Present? Yes _____ No ✘ Depth (inches): _____
Saturation Present? (includes capillary fringe) Yes _____ No ✘ Depth (inches): _____

Wetland Hydrology Present? **Yes** _____ **No** ✘

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

Remarks:
The criterion for wetland hydrology is not met.

VEGETATION – Use scientific names of plants. Sampling Point: U-EVN-01

Tree Stratum (Plot size: 30 ft radius)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0	= Total Cover	

Sapling/Shrub Stratum (Plot size: 15 ft radius)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Rubus allegheniensis*	25	Yes	FACU
2.			
3.			
4.			
5.			
6.			
7.			
	25	= Total Cover	

Herb Stratum (Plot size: 5 ft radius)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Phalaris arundinacea*	40	Yes	FACW
2. *Cirsium discolor*	20	Yes	UPL
3. *Ambrosia artemisiifolia*	15	No	FACU
4. *Ageratina altissima*	10	No	FACU
5. *Toxicodendron radicans*	5	No	FAC
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	90	= Total Cover	

Woody Vine Stratum (Plot size: 30 ft radius)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 33.3% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	40	x 2 =	80
FAC species	5	x 3 =	15
FACU species	50	x 4 =	200
UPL species	20	x 5 =	100
Column Totals:	115 (A)		395 (B)

Prevalence Index = B/A = 3.4

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.

Definitions of Vegetation Strata:

Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes _____ No ✘

Remarks: (Include photo numbers here or on a separate sheet.)

The criterion for hydrophytic vegetation is not met.

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0 to 6	2.5Y 4/2	100					Silt Loam	

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

Hydric Soil Indicators:

- __ Histosol (A1)
- __ Histic Epipedon (A2)
- __ Black Histic (A3)
- __ Hydrogen Sulfide (A4)
- __ Stratified Layers (A5)
- __ Depleted Below Dark Surface (A11)
- __ Thick Dark Surface (A12)
- __ Iron Monosulfide (A18)
- __ Mesic Spodic (A17) **(MLRA 144A, 145, 149B)**
- __ Sandy Mucky Mineral (S1)
- __ Sandy Gleyed Matrix (S4)
- __ Sandy Redox (S5)
- __ Stripped Matrix (S6)
- __ Dark Surface (S7)
- __ Polyvalue Below Surface (S8) **(LRR R, MLRA 149B)**
- __ Thin Dark Surface (S9) **(LRR R, MLRA 149B)**
- __ High Chroma Sands (S11) **(LRR K, L)**
- __ Loamy Mucky Mineral (F1) **(LRR K, L)**
- __ Loamy Gleyed Matrix (F2)
- __ Depleted Matrix (F3)
- __ Redox Dark Surface (F6)
- __ Depleted Dark Surface (F7)
- __ Redox Depressions (F8)
- __ Marl (F10) **(LRR K, L)**
- __ Red Parent Material (F21) **(MLRA 145)**

Indicators for Problematic Hydric Soils[3]:

- __ 2 cm Muck (A10) **(LRR K, L, MLRA 149B)**
- __ 5 cm Muck Peat or Peat (S3) **(LRR K, L, R)**
- __ Polyvalue Below Surface (S8) **(LRR K, L)**
- __ Thin Dark Surface (S9) **(LRR K, L)**
- __ Iron-Manganese Masses (F12) **(LRR K, L, R)**
- __ Piedmont Floodplain Soils (F19) **(MLRA 149B)**
- __ Red Parent Material (F21) **(outside MLRA 145)**
- __ Very Shallow Dark Surface (F22)
- __ Other (Explain in Remarks)

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

Restrictive Layer (if present):

Type: Fill

Depth (inches): 6

Hydric Soil Present? Yes _____ **No** ✘

Remarks:

The criterion for hydric soil is not met.