AMERICAN TRANSMISSION SYSTEMS, INCORPORATED
A FIRSTENERGY COMPANY

CONSTRUCTION NOTICE

BRADY-DARROW 138 kV TRANSMISSION LINE-
DAMAGED TOWER NO. 7832 REPLACEMENT PROJECT

OPSB Case No. : 26-0079-EL-BNR

May 5, 2026

American Transmission Systems, Incorporated
341 White Pond Drive
Akron, Ohio 44320

CONSTRUCTION NOTICE
BRADY-DARROW 138 kV TRANSMISSION LINE
DAMAGED TOWER No. 7832 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 ("OPSB") as a Construction Notice application.

4906-6-05(B): CONSTRUCTION NOTICE REQUIREMENTS

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

Name of Project: Brady-Darrow 138 kV Transmission Line-Damaged Tower No. 7832 Replacement Project ("Project")

Reference Number: 2039-1

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

In this Project, American Transmission Systems, Incorporated ("ATSI"), a FirstEnergy Company, proposes to relocate and replace Structure No. 7832 on the Brady–Darrow 138 kV Transmission Line which also supports the Ravenna–Streetsboro 69 kV Transmission Line. The existing steel lattice tower, which is located within a ravine and has sustained structural damage, will be removed and replaced with a new double-circuit single steel monopole deadend structure approximately 94 feet southeast of the current tower location. Because of the geometry of the shift of the structure's location, the transmission line centerline will shift approximately 32 feet to the southwest.

The Project is located in Franklin Township, Portage County, Ohio. The general location of the Project is shown in Exhibit 1, a partial copy of the United States Geologic Survey ("USGS") Topographic Map, Portage County, OH, Quad Map. **Exhibit 2** is a partial copy of ESRI aerial imagery. The general layout of the Project is shown in **Exhibit 3**.

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

The Project meets the requirements for a Construction Notice application because the Project is within the types of projects defined by Item (2)(a) of the Application Requirement Matrix for Electric Power Transmission Lines. Appendix A of Adm.Code 4906-1-01. This item 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 proposed Project is within the requirements of Item (2)(a) because it involves the replacement of a damaged transmission structure with a different type of structure for a distance of less than two miles.

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

The proposed Project is needed due to significant structural damage on the southern side of Tower No. 7832. One tower leg and several cross-members and supports have been compromised most likely from a vehicle or equipment strike given the structure's location in a ravine adjacent to an existing access road. No advanced transmission technologies were considered for this Project.

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 transmission 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 ("LTFR"). This map was submitted to the Public Utilities Commission of Ohio ("PUCO") in Case No. 25-0504-EL-FOR under Adm.Code 4901:5-5:04 (C)(2)(b). The map is incorporated by reference only. This Project is not included in the 2025 LTFR because the Project does not entail

any topology or rating change. The general location of the Project area is shown in **Exhibits 1** and **2**. The general layout is shown in **Exhibit 3**.

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

The only alternative considered was to restore the tower by repairing or replacing the damaged leg and crossmembers. This was not pursued as the current location of the tower makes construction access difficult and any repairs will not eliminate the risk of future damage, thus resulting in the shift of the structure location. Also given the tower age (70 years old), the decision was made to replace it with a single steel monopole structure.

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

ATSI's manager of External Affairs will advise local officials of the features and the status of the proposed Project as necessary. ATSI will maintain a copy of this Letter of Notification, along with other Project information, on FirstEnergy's website: https://www.firstenergycorp.com/about/transmission_projects/ohio.html.

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

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

Construction on the Project is expected to begin as early as August 3, 2026, and be completed and placed in-service by November 20, 2026.

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

Exhibit 1 provides a partial copy of the USGS Topographic Map, Portage County OH, Quad Map. **Exhibit 2** is a copy of ESRI aerial imagery of the Project area. The general layout of the Project is shown in **Exhibit 3**.

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

The Project will be located on the same property that the existing right-of-way ("ROW") is located on, parcel 12-067-00-00-009-000, owned by the Hugo Sand Co, LLC. New ROW will be acquired for the transmission line shift.

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 & 69 kV
Conductors:	Current and Future 138 kV – (3) 477 kcmil 26/7 ACSR "Hawk" Current and Future 69 kV – (3) 336.4 kcmil 26/7 ACSR "Linnet"
Shield Wire:	Current and Future – 134.6 kcmil 12/7 "Leghorn" ACSR Shield Wire
Insulators:	Glass, Porcelain
ROW Width:	100 feet
Land Requirements:	Existing
Structure Types:	**Exhibit 4**: 138 kV & 69 kV Double Circuit Tubular Steel Deadend Structure on a Drilled Pier Concrete Foundation (Qty. 1)

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

There are no occupied residences or institutions within 100 feet of the Project and therefore no Electric and Magnetic Field ("EMF") calculations are required by this code provision.

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

The estimated cost for the proposed Project is $3,065,000. 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 Franklin Township, Portage County, Ohio. The main land use in the Project area is industrial. No significant changes or impacts to the current or future land use are anticipated.

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

Agricultural land does not exist within the Project's Area of Potential Effect ("APE").

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

As part of the investigation for this Construction Notice, TRC Environmental Corporation, ("TRC") requested database information from the Ohio Historic Preservation Office's ("SHPO") on December 3, 2025, for the Project Study Area (Area of Potential Effects or APE) with a one (1)-mile search radius. On January 6, 2026, SHPO replied to the request and the response is attached as Exhibit 5. SHPO concurred that the Project, as proposed, will have no effect on historic properties and no cultural resource studies are warranted. 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.

The OHPO 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 results of the search identified one (1) NRHP-listed above-ground historic resource, the Arvin Olin House (NR Listing No.: 95001157/OHI POR0059809), which is located 0.26 mi east of the southern terminus of the proposed Project.

The OHPO 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. There are no OGS cemeteries recorded within one (1)-mi of the proposed Project. There are no additional above-ground historic resources recorded within one (1)-mi of the proposed Project. There is one (1) Ohio Genealogical Society (OGS) cemetery recorded 0.9 mi west of the Project Study Area.

No archaeological surveys have been conducted, and no archaeological sites are recorded within one (1)-mi of the proposed Project. The nearest sites are recorded over 1.25 mi from the APE.

The Project Study Area consists of an existing, maintained utility ROW and an access road within forested habitat and industrial land use areas. The proposed Project is not expected to have any adverse effects on known historic properties. 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 ODOT will be necessary to obtain a right-of-way permit if the proposed Project involves maintenance of the existing driveway entrance along OH-43. If more than one (1) acre of earth disturbance is proposed in future changes to the Project scope, then submittal of a Notice of Intent (NOI) application to the Ohio EPA would be required for coverage under the general construction stormwater permit (OHC000006), and the Storm Water Pollution Prevention Plan (SWPPP) to the Portage County Soil and Water Conservation District. The Project scope is not proposed within a 100-year FEMA floodplain and therefore will not require a Floodplain Hazard Development Permit. 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.

Table 1. List of Government Agency Requirements

Agency	Requirement
Ohio EPA Franklin Township	General NPDES Construction Storm Water Permit OHC000006
Portage Soil & Water Conservation District (SWCD)	SWPPP Review
ODOT District 4 (OH-43)	ROW Permit(s)

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

As part of the 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 Ohio Department of Natural Resources (ODNR) Office of Real Estate searches the ODNR Division of Wildlife (DOW) Natural Heritage Database in order 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 dated December 16, 2025 indicated that there are 30 records of state and/or federally listed plants, animals, and communities located within a one-mile radius of the Project Study Area. Of the 30 records, ODNR's response indicated that Wilson's Snipe (*Gallinago delicata*) is recorded within the boundaries of the Project Study Area. Additionally, the Project is within the range of 17 state and/or federally listed plants or animal species. A copy of ODNR's Office of Real Estate's response is included as **Exhibit 6**. A list of all endangered, threatened, and rare species, as identified by ODNR, within a one-mile radius of the Project is provided in **Table 2** and a list of all endangered, threatened, and rare species, as identified by ODNR, within the range of the Project is provided in **Table 3.**

Table 2. List of Endangered, Threatened, and Rare Species Within a One-Mile Radius of Project Study Area

Common Name	Scientific Name	Federal Listed Status	State Listed Status	Affected Habitat
Birds				
American Bittern	*Botaurus lentiginosus*	N/A	Endangered	Marshes, wet prairies, edges of lakes/ponds,

				nesting in bulrushes/cattails.
Sora Rail	*Porzana carolina*	N/A	Species of Concern	Freshwater wetlands with emergent vegetation such as cattails, sedges, and rushes.
Virginia Rail	*Rallus limicola*	N/A	Species of Concern	Fresh and brackish wetlands with cattails and bulrushes.
Wilson's Snipe	*Gallinago delicata*	N/A	Special Interest	Muddy pond edges, damp fields, and other wet, open habitats.
Fish				
American Eel	*Anguilla rostrata*	N/A	Threatened	Perennial streams.
Iowa Darter	*Etheostoma exile*	N/A	Endangered	Perennial streams.
Insects				
Hagen's Bluet	*Enallagma hageni*	N/A	Endangered	Ponds, marshes, open bogs, lakeshores, and slow streams. It is tolerant of acidic waters.
Lilypad Forktail	*Ischnura kellicotti*	N/A	Species of Concern	Ponds and lakes with water lilies of any species.
Racket-tailed Emerald	*Dorocordulia libera*	N/A	Endangered	Lakes and ponds commonly associated with bogs.
Sphagnum Sprite	*Nehalennia gracilis*	N/A	Species of Concern	Sphagnum bogs and grassy ponds with dense beds of sedges and grasses.
Plants and Plant Communities				
Broad-winged Sedge	*Carex alata*	N/A	Potentially Threatened	Moist situations in sun to semi-shade, often in neutral substrates; meadows, woods borders, lake margins, bogs, fens, clearings in woods.

Crinkled Hair Grass	*Avenella flexuosa*	N/A	Potentially Threatened	Dry, open woods; fields, roadsides, and hillsides; often on sandy soils.
Few-seeded Sedge	*Carex oligosperma*	N/A	Threatened	Bogs, acidic fens and wet meadows.
Flat-leaved Bladderwort	*Utricularia intermedia*	N/A	Threatened	In full sun, in both bogs and fens; floating or rooted in mud in quiet, shallow waters.
Flat-stemmed Pondweed	*Potamogeton zosteriformis*	N/A	Threatened	Shallow to deep (7 m.) waters of lakes, rivers, creeks, and wet swales.
Fries' Pondweed	*Potamogeton friesii*	N/A	Presumed Extirpated in Ohio	Calcareous to brackish waters; lakes, ponds, estuaries; occasionally to depths of 6 m.
Howe's Sedge	*Carex atlantica ssp. capillacea*	N/A	Potentially Threatened	A variety of open, moist situations in acidic substrates; sphagnum bogs, shrub borders, clearings in wet woods, thickets; not in calcareous situations.
Leather-leaf	*Chamaedaphne calyculata*	N/A	Threatened	Peat bogs and lakeshores.
Low Umbrella-sedge	*Cyperus diandrus*	N/A	Threatened	Open, wet habitats like the mud, muck, and sandy flats of marshes, ponds, and lake edges.
Marsh Five-finger	*Comarum palustre*	N/A	Threatened	Wet meadows and marshy stream banks.
Mixed shrub swamp plant community	N/A	N/A	N/A	N/A
Navelwort	*Hydrocotyle umbellata*	N/A	Endangered	Open to semi-open situations on pond-shores, ditches, and wet meadows.
Robbins' Pondweed	*Potamogeton robbinsii*	N/A	Endangered	Deep to shallow, quiet, often muddy waters of lakes, ponds, and rivers.

Sharp-glumed Manna Grass	*Glyceria acutiflora*	N/A	Threatened	Wet soil; shallow water of ponds and swamps.
Southern Woodrush	*Luzula bulbosa*	N/A	Potentially Threatened	Usually in dry, open to semi-open situations, often in sandy, acid soil: open oak woods, clearings, and fields.
Sphagnum peat bog plant community	N/A	N/A	N/A	N/A
Two-scaped Bladderwort	*Utricularia geminiscapa*	N/A	Endangered	Shallow pools in open *Sphagnum* mats of bogs.
Variable Yellow-eyed-grass	*Xyris difformis*	N/A	Endangered	Moist, peaty or sandy soils; pond margins, ditches, sphagnum mats.
White Beak-rush	*Rhynchospora alba*	N/A	Potentially Threatened	Wet; fens, bogs, peatlands, floating mats.
Wolffiella	*Wolffiella gladiata*	N/A	Potentially Threatened	Restricted to wholly stagnant bodies of water, usually in boggy areas protected from wave action, with an abundant accumulation of organic debris, and with acid water.

Table 3. List of Endangered and Threatened Species within Range of Project Study Area

Common Name	Scientific Name	Federal Listed Status	State Listed Status	Affected Habitat
Birds				
Northern Harrier	*Circus hudsonius*	N/A	Endangered	Marshes and grasslands.
Sandhill Crane	*Antigone canadensis*	N/A	Threatened	Grassland, prairie, and wetlands.
Fish				
American Eel	*Anguilla rostrata*	N/A	Threatened	Perennial streams.
Iowa Darter	*Etheostoma exile*	N/A	Endangered	Perennial streams.
Lake Chubsucker	*Erimyzon sucetta*	N/A	Threatened	Perennial streams.
Mountain Brook Lamprey	*Ichthyomyzon greeleyi*	N/A	Endangered	Perennial streams.

Northern Brook Lamprey	*Ichthyomyzon fossor*	N/A	Endangered	Perennial streams.
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.
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.
Mussels				
Clubshell	*Pleurobema clava*	Endangered	Endangered	Perennial streams.
Eastern Pondmussel	*Ligumia nasuta*	N/A	Threatened	Perennial streams.
Sharp-Ridged Pocketbook	*Lampsilis ovata*	N/A	Endangered	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	Prairie, marsh meadow, and roadside ditches.
Spotted Turtle	*Clemmys guttata*	N/A	Threatened	Fens, bogs, and marshes.

Based on the information received from correspondence with ODNR, the Project is within the vicinity of records for the little brown bat. Since the presence of a state endangered bat species has been established in the area, summer tree clearing is not recommended by ODNR. The Project is also within the ranges of the Indiana bat, the northern long-eared bat, the little brown bat, and the tricolored bat. 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 and submitted to ODNR for concurrence on January 5, 2026. ODNR responded on January 6, 2026, **Exhibit 7,** 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;

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 clubshell (*Pleurobema clava*), a state endangered and federally endangered mussel, the sharp-ridged pocketbook (*Lampsilis ovata*), a state endangered mussel, and 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 impact these species.

The Project is within the range of the Iowa darter *(Etheostoma exile),* a state endangered fish, the mountain brook lamprey (*Ichthyomyzon greeleyi*), a state endangered fish, the northern brook lamprey *(Ichthyomyzon fossor*), a state endangered fish, the American eel (*Anguilla rostrata*), a state threatened fish, and the lake chubsucker (*Erimyzon sucetta*), a state threatened fish. Due to the location, and that there is no in-water work proposed in a perennial stream, this Project will not impact these species.

The Project is within the range of the eastern massasauga (*Sistrurus catenatus*), a state endangered and a 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 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, 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 northern harrier (*Circus hudsonius*), a state endangered bird species. This species prefers marshes and grasslands where they often hunt and nest in loose colonies. Due to a lack of suitable habitat within the maintained utility ROW and industrial land use, the Project is not likely to impact this species.

This Project lies within range of the sandhill crane (*Antigone canadensis*), a state threatened bird. 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 large tract of wet meadow, shallow marsh, or bog for nesting. Due to a lack of suitable habitat within the maintained utility ROW and industrial land use, the Project is not likely to impact this species.

In addition, TRC submitted a request to USFWS on November 25, 2025, to research the presence of any endangered, threatened, rare, or designated species within the Project Study Area. A copy of the USFWS' response, dated December 2, 2025, is included as **Exhibit 8**. Due to the Project type, size, location, and no tree cutting proposed for this Project, no adverse effects to any federally endangered, threatened, or proposed species, or proposed or designated critical habitat are anticipated.

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

TRC performed field investigations to identify and delineate wetlands and waterbodies located within the 1.94-acre Project Study Area on November 25, 2025. During the field investigation, no wetlands or streams were delineated or identified within the Project Study Area. To verify the absence of wetlands within the Project Study Area, two (2) upland data points (U-JMS-1 and U-JMS-2) were collected. A Technical Memorandum for the Surface Water Delineation of the Project Study Area is included in **Exhibit 9**.

The proposed Project Study Area consists of an existing, maintained utility ROW and access road within industrial land use. 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 industrial 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 include the replacement of Structure 7832 on the existing Brady-Darrow transmission line. Nationwide Permit (NWP) 57 - Electric Utility Line and Telecommunications Activities (effective March 15, 2026, valid through March 15, 2031), 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.

An existing access road located within the Project Study Area will be utilized for access to avoid any potentially jurisdictional wetlands and other waters of the U.S. Additionally, no wetland or streams were identified or delineated within the Project Study Area. It is TRC's understanding that this Project would fall under NWP 57. Nationwide Permit Regional General Conditions were reviewed regarding this Project. The Project is located within Franklin Township, Portage County, Ohio, which is within the USACE Buffalo Regulatory District. Franklin Township in Portage County, Ohio is listed in Appendix 1 to Regional General Condition 5(a) (Endangered Species and Threatened Species) (USACE, 2021), which triggers the need for a Section 404 Pre-Construction Notification (PCN) application to be submitted to the USACE when the proposed Project includes regulated activities within jurisdictional resources. However, because jurisdictional resources are not present within the Project Study Area, and therefore will not be impacted by Project activities, NWP 57 conditions are met and there is no potential trigger for a Section 404 PCN to USACE.

A review of the USGS Protected Areas Database (www.usgs.gov/programs/gap-analysis-project/science/protected-areas) revealed no conservation easements in the Project Study Area. The National Conservation Easement Database is no longer used; this is due to the National Conservation Easement 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 ("NESC") 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 (CN) application is being provided concurrently with its docketing with the Board to the following officials.

Portage County

Mr. Mike Tinlin - President
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Scott Swan - Trustee
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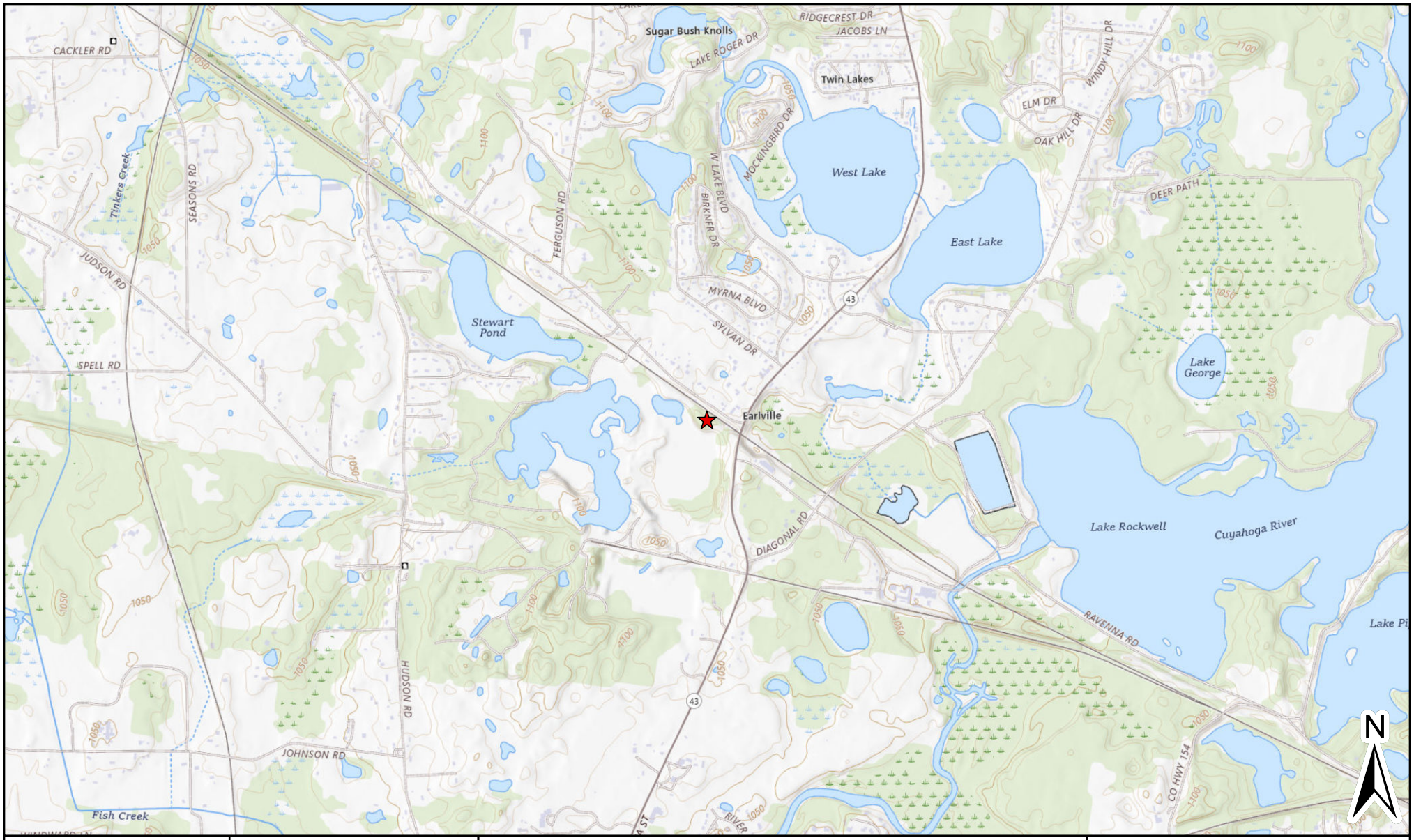
email: stacey.richardson@kentfreelibrary.org

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 libraries per Adm.Code 4906-6-07(A)(2).

Information is posted at:
https://www.firstenergycorp.com/about/transmission_projects/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

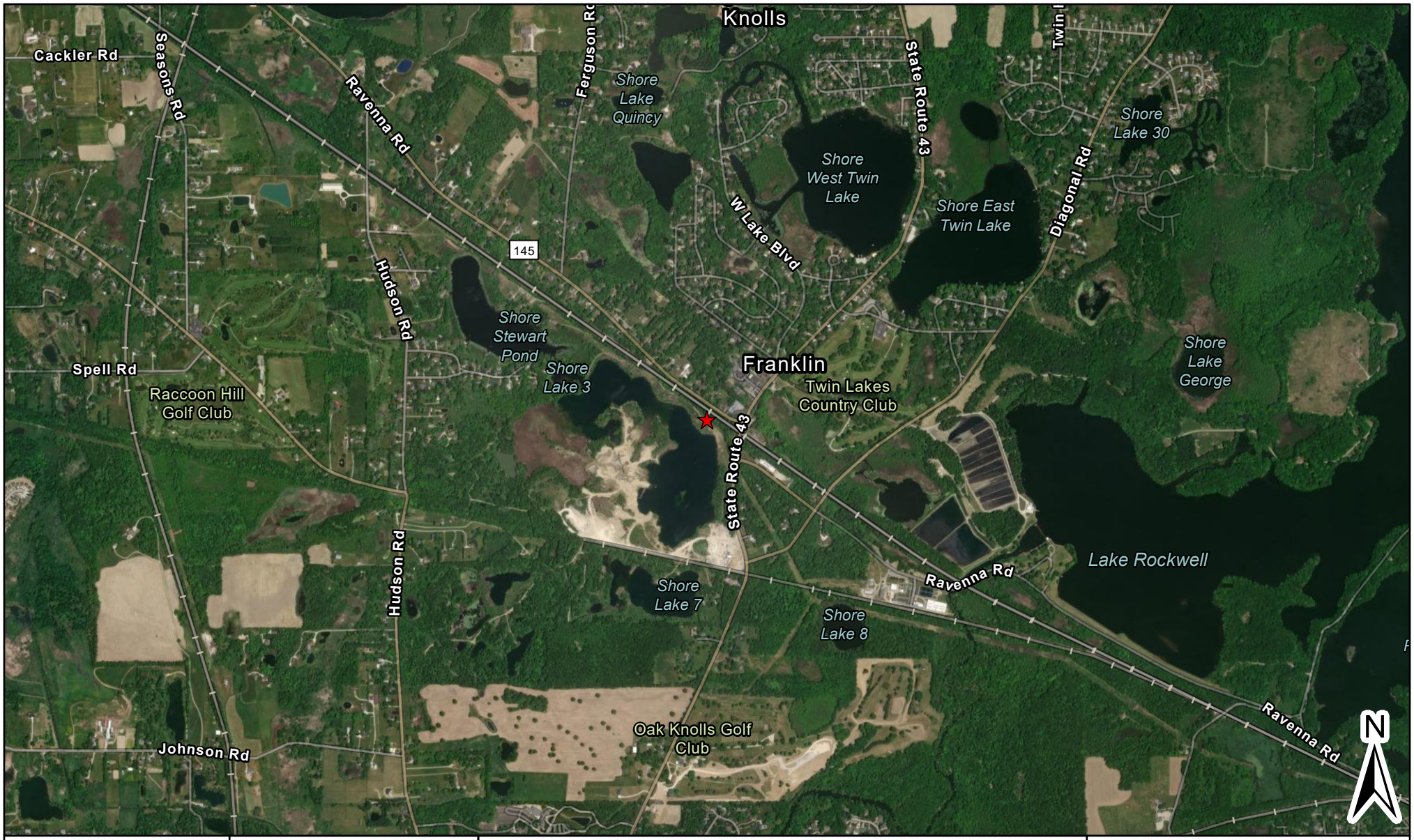
Coordinate System:
NAD 1983 2011 StatePlane Ohio North FIPS 3401 Ft US

ATSI®

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

Brady-Darrow 138 kV Transmission Line - Damaged Tower No. 7832 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.

Brady-Darrow 138 kV Transmission Line - Damaged Tower No. 7832 Replacement Project

EXHIBIT 2

#7833

50' ROW (TYP.)

100' ROW

NORFOLK SOUTHERN

RAVENNA RD

PORTAGE COUNTY
STATE OF OHIO

12-067-00-00-009-000
Hugo Sand Co.

TBR

93.46'

31.98'

#7832

ACCESS RD

STATE ROUTE 43

RAVENNA RD

12-059-00-00-011-000
Russell W Glenn & Lise (J&S)

#7831

LEGEND

- NEW STRUCTURE
- EXISTING STR TO BE REMOVED
- EXISTING STR TO REMAIN
- EXISTING TRANSMISSION LINE TO BE RELOCATED
- TRANSMISSION CENTERLINE
- ACCESS ROAD
- PROPERTY LINE
- RAILROAD
- ROAD CENTERLINE
- WATERS EDGE
- TRANSMISSION ROW

SCALE: N.T.S

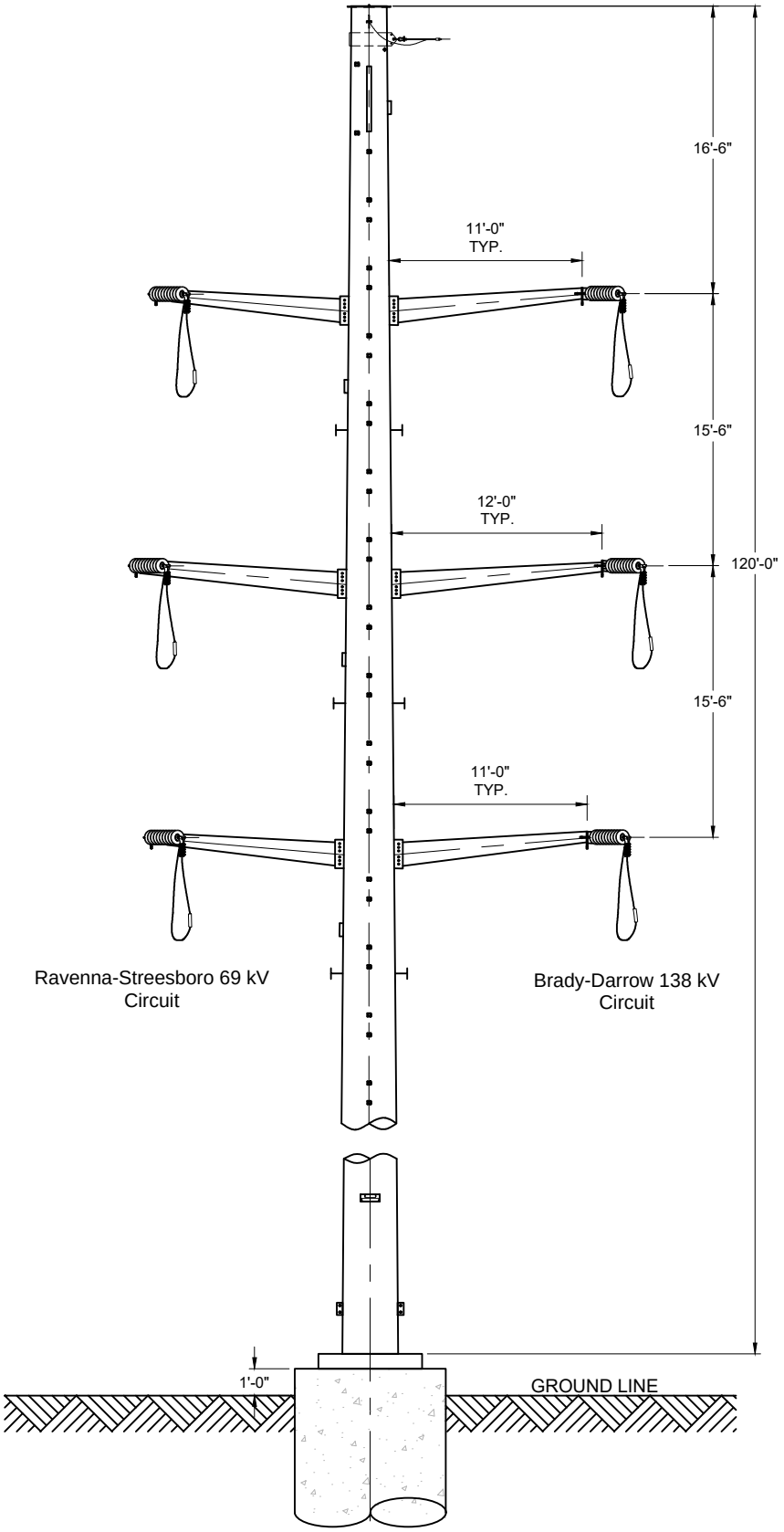
PAPER SIZE: 17X11

FirstEnergy
Transmission Design

BRADY-DARROW 138kV &
RAVENNA-STREETSBORO 69kV
STRUCTURE #7832 RELOCATION AND REPLACEMENT

GENERAL LAYOUT

EXHIBIT 3



PAPER SIZE: 8.5X11

SCALE: N.T.S.

FirstEnergy
Transmission Design

Brady-Darrow 138kV Transmission Line -
Damaged Tower No 7832 Replacement Project

DOUBLE CIRCUIT
TUBULAR STEEL STRUCTURE
FULL DEADEND SINGLE POLE

EXHIBIT 4

EXHIBIT 5

In reply refer to:
2025-POR-67145

January 6, 2026

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: Brady-Darrow Structure 7832 Relocation Project, Franklin Township, Portage County, Ohio

Dear Mr. McKissick:

This letter is in response to the correspondence received on December 9, 2025, regarding the above-referenced project in Portage 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 consists of replacing structure 7832 along the Brady-Darrow transmission line. This is located within an existing maintained utility easement that courses along the edge of a quarry area. This area, based on aerial photographs, is previously disturbed, which greatly reduces the potential for intact archaeological deposits. The new structure will be similar in height as the existing one and will therefore not introduce any new visual impacts. Based on the information submitted, which included a Project Summary Form, no historic properties, districts, or archaeological sites are located within the direct Area of Potential Effect (APE), as defined by you. Therefore, based on this, 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 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,

Stephen M. Biehl

Stephen M. Biehl, Project Reviews Manager-Archaeology
Resource Protection and Review
State Historic Preservation Office

RPR Serial No. 1112046

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

December 16, 2025

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

Re: 25-1847_Brady-Darrow Structure 7832 Relocation

Project: The proposed project involves the replacement of structure 7832 on the existing Brady-Darrow transmission line.

Location: The proposed project is located in Franklin Township, Portage 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: The Natural Heritage Database has the following data at or within one mile of the project area:

Crinkled Hair Grass (*Avenella flexuosa*), P
Broad-winged Sedge (*Carex alata*), P
Howe's Sedge (*Carex atlantica* ssp. *capillacea*), P
Few-seeded Sedge (*Carex oligosperma*), T
Leather-leaf (*Chamaedaphne calyculata*), T
Marsh Five-finger (*Comarum palustre*), T
Low Umbrella-sedge (*Cyperus diandrus*), T
Sharp-glumed Manna Grass (*Glyceria acutiflora*), T
Navelwort (*Hydrocotyle umbellata*), E
Southern Woodrush (*Luzula bulbosa*), P
Fries' Pondweed (*Potamogeton friesii*), X
Robbins' Pondweed (*Potamogeton robbinsii*), E
Flat-stemmed Pondweed (*Potamogeton zosteriformis*), T
White Beak-rush (*Rhynchospora alba*), P
Two-scaped Bladderwort (*Utricularia geminiscapa*), E

Flat-leaved Bladderwort (*Utricularia intermedia*), T
Wolffiella (*Wolffiella gladiata*), P
Variable Yellow-eyed-grass (*Xyris difformis*), E
American Eel (*Anguilla rostrata*), T
American Bittern (*Botaurus lentiginosus*), E
Iowa Darter (*Etheostoma exile*), E
Wilson's Snipe (*Gallinago delicata*), SI
Sora Rail (*Porzana carolina*), SC
Virginia Rail (*Rallus limicola*), SC
Racket-tailed Emerald (*Dorocordulia libera*), E
Hagen's Bluet (*Enallagma hageni*), E
Lilypad Forktail (*Ischnura kellicotti*), SC
Sphagnum Sprite (*Nehalennia gracilis*), SC
Mixed shrub swamp plant community
Sphagnum peat bog plant community

Conservation status abbreviations are as follows: E = state endangered; T = state threatened; P = state potentially threatened; SC = state species of concern; SI = state special interest; U = state status under review; X = presumed extirpated in Ohio; FE = federally endangered, and FT = federally threatened. Records for high quality plant communities indicate the presence of sites that are in our inventory of the best remaining examples of Ohio's pre-settlement ecosystems.

The review was performed on the specified project area as well as an additional one-mile radius. Records searched date from 1980. Features searched include locations of rare and endangered plants and animals determined to be of value to the conservation of their species, high quality plant communities, animal breeding assemblages, and outstanding geological features.

Of the species and features listed above, Wilson's Snipe is recorded within the boundaries of the specified project area. Please note that Ohio has not been completely surveyed and we rely on receiving information from many sources. Therefore, a lack of records for an 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 project is within the vicinity of records for the little brown bat (*Myotis lucifugus*), a state endangered species. Because presence of state endangered bat species has been established in the area, summer tree clearing is not recommended, and additional summer surveys would not constitute presence/absence in the area. However, limited summer tree clearing inside this buffer may be acceptable after further consultation with DOW (contact Eileen Wyza at Eileen.Wyza@dnr.ohio.gov).

In addition, 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 bat species 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. 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.

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 OHIO DIVISION OF WILDLIFE AND U.S. FISH AND WILDLIFE SERVICE (OH-FIELD OFFICE) JOINT GUIDANCE FOR BAT SURVEYS. 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 clubshell (*Pleurobema clava*), a state endangered and federally endangered mussel, the sharp-ridged pocketbook (*Lampsilis ovata*), a state endangered mussel, and 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 these species.

The project is within the range of the Iowa darter *(Etheostoma exile),* a state endangered fish, the mountain brook lamprey (*Ichthyomyzon greeleyi*), a state endangered fish, the northern brook lamprey *(Ichthyomyzon fossor*), a state endangered fish, the American eel (*Anguilla rostrata*), a state threatened fish, and the lake chubsucker (*Erimyzon sucetta*), a state threatened fish. 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 a 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 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, 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 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.*

EXHIBIT 7

From: Eileen.Wyza@dnr.ohio.gov
To: Slabe, Jenna
Cc: Falkinburg, Brad; Molnar, Maggie
Subject: [EXTERNAL] RE: Desktop Hibernacula Assessment: FirstEnergy"s Brady-Darrow Structure 7832 Relocation Project
Date: Tuesday, January 6, 2026 8:35:51 AM
Attachments: image002.png
image004.png
image005.png
image006.png
image007.png
image008.png
image001.png

Hello Jenna,

Per review of the desktop survey provided for FirstEnergy's Brady-Darrow Structure 7832 Relocation 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.

From: Slabe, Jenna <JSlabe@trccompanies.com>
Sent: Monday, January 5, 2026 11:41 AM
To: Wyza, Eileen <Eileen.Wyza@dnr.ohio.gov>
Cc: Falkinburg, Brad <BFalkinburg@trccompanies.com>; Molnar, Maggie <MMolnar@trccompanies.com>
Subject: Desktop Hibernacula Assessment: FirstEnergy's Brady-Darrow Structure 7832 Relocation Project

Eileen,

In response to ODNR's DOW recommendations (25-1847; Attached), TRC completed a desktop hibernacula assessment to determine if potential hibernaculum is present within FirstEnergy's proposed Brady-Darrow Structure 7832 Relocation Project located in Franklin Township, Portage 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 8

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

December 2, 2025

Project Code: 2026-0018677

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

1382 West Ninth St.
Suite 400
Cleveland, OH 44113

T 216.344.3072
TRCcompanies.com

December 5, 2025

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

Reference: Technical Memorandum for the Surface Water Delineation of the Brady-Darrow Structure 7832 Relocation Project located in Franklin Township, Portage County, Ohio.
(TRC Project No. 664675 Phase 42)

Dear Mr. Ruggiero:

On behalf of FirstEnergy Corporation (FirstEnergy), TRC Environmental Corporation (TRC) conducted a surface water delineation for the proposed Brady-Darrow Structure 7832 Relocation Project (Project). The Project is located in Franklin Township, Portage County, Ohio and the Study Area is 1.94 acres in size (**Attachment A, Figures 1 and 2**). The Project Study Area is located at the following approximate coordinates: 41.187691, -81.349000 (northwest terminus) and 41.182577, -81.347673 (southern terminus). This Project involves the replacement of structure 7832 on the existing Brady-Darrow transmission line.

The delineation was conducted by qualified wetland scientists on November 25th, 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 the field investigation.

The Project Study Area is shown on the attached map (**Attachment A, Figure 1**), which was derived from the USGS Kent, Ohio 7.5-minute quadrangle topographic map. Soils mapped within the Project Study Area include non-hydric soils (**Attachment A, Figure 3**). The proposed Project Study Area does not include any mapped NWI or NHD features (**Attachment A, Figure 4**). According to Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map panels, 39133C0128D (eff. 8/18/2009) and 39133C0136E (eff. 3/7/2017), the proposed Project is not located within a FEMA mapped 100-Year Flood Zone.

During the November 25th, 2025 field investigation, land use within the Project Study Area was observed to be an existing, maintained utility right-of-way and access road within forested habitat and industrial land use. 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 streams were delineated or identified within the Project Study Area. To verify the absence of wetlands within the Project Study Area, two (2) upland data points (U-JMS-1 and U-JMS-2) were collected. The USACE sample points are shown on **Figure 5** in **Attachment A**. Data was collected and recorded on the USACE Wetland Determination Data Sheets – 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 date. 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,

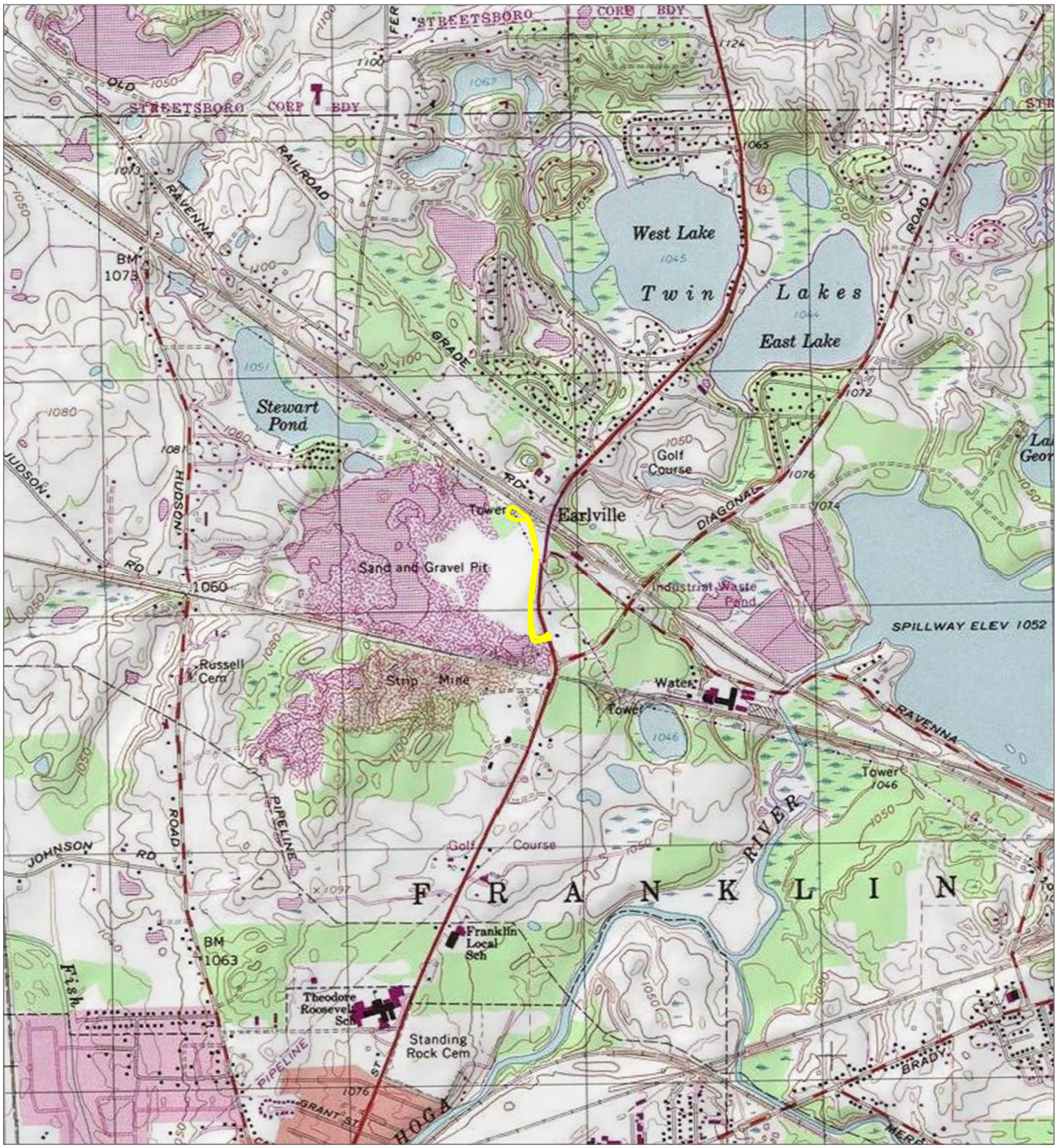
TRC

Brad M. Falkinburg, PWS
Ecological Office Practice Leader

cc: Maggie Molnar, PWS – TRC Environmental Corporation
Jenna Slabe, 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, KENT QUAD

N

0 1,000 2,000

FEET

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

PROJECT: **FIRSTENERGY - BRADY-DARROW STRUCTURE 7832 RELOCATION PROJECT PORTAGE COUNTY, OH**

TITLE: **SITE LOCATION MAP**

DRAWN BY:	M. OPEL	PROJ. NO.:	664675 P42
CHECKED BY:	M. MOLNAR		
APPROVED BY:	B. FALKINBURG		**FIGURE 1**
DATE:	NOVEMBER 2025		

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

FILE: WDR

-- SAVED BY: MOPEL ON 11/20/2025, 10:58:53 AM; FILE PATH: T:\1-PROJECTS\FIRST_ENERGY\664675_042_BRADYDARROW\STR7832\2-APRX\WDR APRX; LAYOUT NAME: FIG01_SLM
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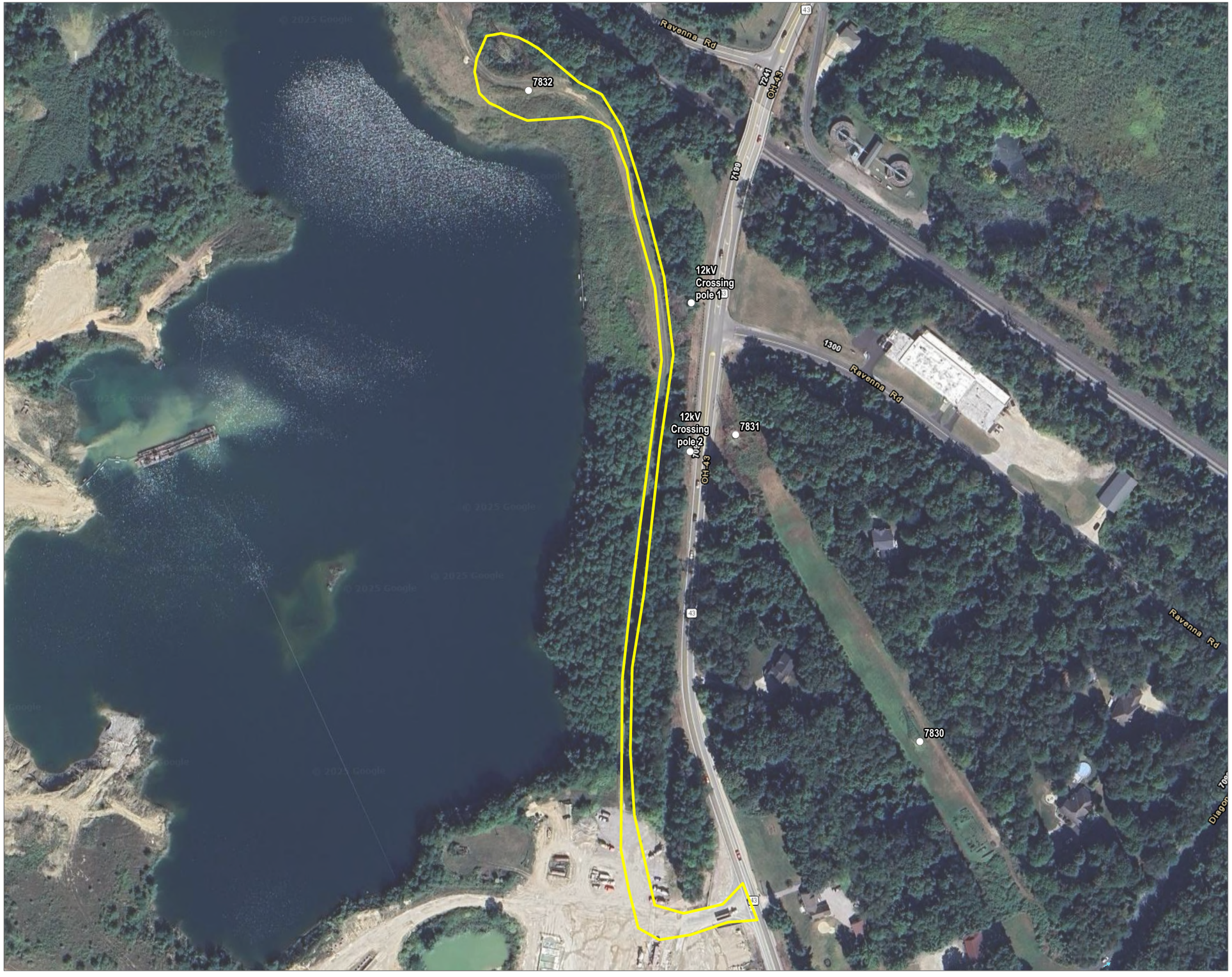

PROJECT STUDY AREA

EXISTING STRUCTURE

BASE MAP: GOOGLE MAPS.

1:2,400

1" = 200'

0 200 400 FEET

PROJECT:
FIRSTENERGY - BRADY-DARROW
STRUCTURE 7832 RELOCATION PROJECT
PORTAGE COUNTY, OH

TITLE:
AERIAL MAP

DRAWN BY:	M. OPEL	PROJ. NO.:	664675 P42
CHECKED BY:	M. MOLNAR		**FIGURE 2**
APPROVED BY:	B. FALKINBURG		
DATE:	NOVEMBER 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
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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 - BRADY-DARROW STRUCTURE 7832 RELOCATION PROJECT PORTAGE COUNTY, OH
TITLE:	SOILS MAP

DRAWN BY:	M. OPEL	PROJ. NO.:	664675 P42
CHECKED BY:	M. MOLNAR	FIGURE 3	
APPROVED BY:	B. FALKINBURG		
DATE:	DECEMBER 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
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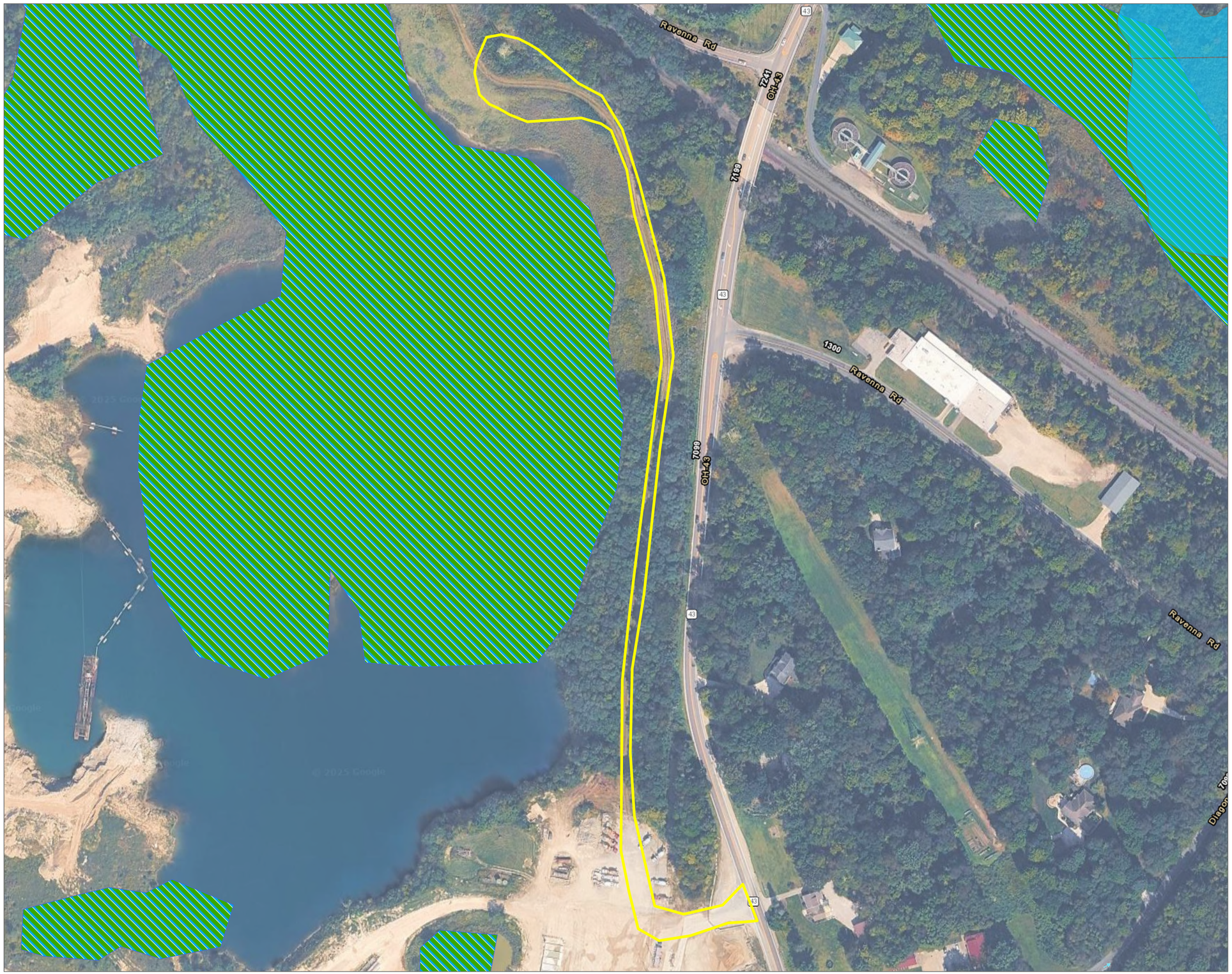

PROJECT STUDY AREA
NATIONAL HYDROGRAPHY DATASET (NHD) STREAM
NATIONAL WETLANDS INVENTORY (NWI) FEATURE
100-YEAR FLOOD ZONE

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).

1:2,400
1" = 200'

0 200 400 FEET

PROJECT:
FIRSTENERGY - BRADY-DARROW STRUCTURE 7832 RELOCATION PROJECT PORTAGE COUNTY, OH

TITLE:
NHD, NWI AND FEMA FLOODPLAIN MAP

DRAWN BY:	M. OPEL	PROJ. NO.:	664675 P42
CHECKED BY:	M. MOLNAR		
APPROVED BY:	B. FALKINBURG		**FIGURE 4**
DATE:	DECEMBER 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 12/4/2025 11:09:02 AM; File Path: T:\1_PROJECTS\Fed_Energy\664675_042_BradyDarrowStr7832\3-APRX\WDR.aprx; Layout Name: Fig04_Hydro

PROJECT STUDY AREA
EXISTING STRUCTURE
UPLAND DATA POINT

BASE MAP: GOOGLE MAPS.
DATA SOURCES: TRC WETLAND DELINEATION COMPLETED NOVEMBER 25, 2025.

1:2,400
1" = 200'

0 200 400 FEET

PROJECT: **FIRSTENERGY - BRADY-DARROW STRUCTURE 7832 RELOCATION PROJECT PORTAGE COUNTY, OH**

TITLE: **DELINEATED RESOURCES MAP**

DRAWN BY:	M. OPEL	PROJ. NO.:	664675 P42
CHECKED BY:	M. MOLNAR		**FIGURE 5**
APPROVED BY:	B. FALKINBURG		
DATE:	NOVEMBER 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 11/26/2025, 09:40:05 AM, File Path: T:\PROJECTS\First_Energy\664675_042_Brady\Darrow\Str7832\2-ARR\WDR.aprx, Layout Name: Fig05_Delineation

PROJECT STUDY AREA

OHIO EPA 401 WATER QUALITY CERTIFICATION FOR NATIONWIDE PERMIT ELIGIBILITY

INELIGIBLE

POSSIBLY ELIGIBLE

ELIGIBLE

BASE MAP: GOOGLE MAPS.
DATA SOURCES: NATIONWIDE PERMITS STREAM DATA ACQUIRED FROM THE OHIO EPA.

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

0 2,000 4,000 FEET

PROJECT: **FIRSTENERGY - BRADY-DARROW STRUCTURE 7832 RELOCATION PROJECT PORTAGE COUNTY, OH**

TITLE: **NATIONWIDE PERMITS STREAM ELIGIBILITY MAP**

DRAWN BY:	M. OPEL	PROJ. NO.:	664675 P42
CHECKED BY:	M. MOLNAR		**FIGURE 6**
APPROVED BY:	B. FALKINBURG		
DATE:	DECEMBER 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
Stored By: MOPEL on 12/4/2025 - 11:19:37 AM File Path: T:\PROJECTS\Brady-Darrow\664675_042_Brady\Darrow Str 7832\2-ARP\KWDR.aprx Layout Name: Fig06_NWP

ATTACHMENT B – Photographic Record

PHOTOGRAPHIC RECORD

Brady-Darrow Structure 7832 Relocation Project

Client Name:	Site Location:	Project No.
FirstEnergy	Franklin Township, Portage County, Ohio	664675 Phase 42

Photo No. 1. **Photo Date:** 11/25/2025 **Description:** Representative photo of the existing access road, facing north.	

Photo No. 2. **Photo Date:** 11/25/2025 **Description:** Representative photo of the existing access road, facing south.	

Client Name:	Site Location:	Project No.
FirstEnergy	Franklin Township, Portage County, Ohio	664675 Phase 42

Photo No. 3. **Photo Date:** 11/25/2025 **Description:** Representative photo of the Project Study Area, facing west.	

Photo No. 4. **Photo Date:** 11/25/2025 **Description:** Representative photo of the Project Study Area, facing south.	

Client Name:	Site Location:	Project No.
FirstEnergy	Franklin Township, Portage County, Ohio	664675 Phase 42

Photo No. 5. **Photo Date:** 11/25/2025 **Description:** Representative photo of the existing access road south of Structure 7832, facing north.	

Photo No. 6. **Photo Date:** 11/25/2025 **Description:** Representative photo of the replacement location for Structure 7832, facing north.	

Client Name:	Site Location:	Project No.
FirstEnergy	Franklin Township, Portage County, Ohio	664675 Phase 42

Photo No. 7. **Photo Date:** 11/25/2025 **Description:** Representative photo of the Project Study Area southwest of Structure 7832, facing west	

Photo No. 8. **Photo Date:** 11/25/2025 **Description:** Representative photo of the upland community within the Project Study Area, facing south.	

Client Name:	Site Location:	Project No.
FirstEnergy	Franklin Township, Portage County, Ohio	664675 Phase 42

Photo No. 9. **Photo Date:** 11/25/2025 **Description:** Representative photo of the Project Study Area entrance, facing north.	

Photo No. 10. **Photo Date:** 11/25/2025 **Description:** Representative photo of the Project Study Area entrance along State Route 43, facing east.	

ATTACHMENT C – Data Sheets

USACE Wetland Determination Data Sheets – 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: Brady-Darrow Structure 7832 Relocation City/County: Kent, Portage County Sampling Date: 2025-11-25
Applicant/Owner: FirstEnergy State: OH Sampling Point: U-JMS-01
Investigator(s): Jenna Slabe, Will Haas Section, Township, Range: NA
Landform (hillslope, terrace, etc): Depression Local relief (concave, convex, none): Concave Slope (%): 0 to 1
Subregion (LRR or MLRA): MLRA 139 of LRR R Lat: 41.1876360909 Long: -81.3489168509 Datum: WGS84
Soil Map Unit Name: Pits, gravel 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: U-JMS-01

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-JMS-01

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

Sapling/Shrub Stratum (Plot size: 15 ft radius)			
1. *Vitis riparia*	15	Yes	FAC
2. *Rubus allegheniensis*	5	Yes	FACU
3. *Rosa multiflora*	5	Yes	FACU
4.			
5.			
6.			
7.			
	25	= Total Cover	

Herb Stratum (Plot size: 5 ft radius)			
1. *Phalaris arundinacea*	50	Yes	FACW
2. *Dichanthelium clandestinum*	35	Yes	FACW
3. *Arctium minus*	10	No	FACU
4. *Cirsium arvense*	5	No	FACU
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: 3 (A)

Total Number of Dominant Species Across All Strata: 6 (B)

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

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	85	x 2 =	170
FAC species	15	x 3 =	45
FACU species	25	x 4 =	100
UPL species	0	x 5 =	0
Column Totals:	125 (A)		315 (B)

Prevalence Index = B/A = 2.5

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.

SOIL Sampling Point: U-JMS-01

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 4/2	100					Sandy 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: Fill,Gravel
Depth (inches): 8

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: Brady-Darrow Structure 7832 Relocation City/County: Kent, Portage County Sampling Date: 2025-11-25
Applicant/Owner: FirstEnergy State: OH Sampling Point: U-JMS-02
Investigator(s): Jenna Slabe, Will Haas Section, Township, Range: NA
Landform (hillslope, terrace, etc): Hillslope Local relief (concave, convex, none): Convex Slope (%): 1 to 3
Subregion (LRR or MLRA): MLRA 139 of LRR R Lat: 41.1872535685 Long: -81.3484757935 Datum: WGS84
Soil Map Unit Name: Pits, gravel NWI Classification:
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: U-JMS-02

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-JMS-02

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.	*Phragmites australis*	45	Yes	FACW
2.	*Poa annua*	25	Yes	FACU
3.	*Phalaris arundinacea*	15	No	FACW
4.	*Dichanthelium clandestinum*	5	No	FACW
5.	*Symphyotrichum lanceolatum*	5	No	FACW
6.	*Daucus carota*	5	No	UPL
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: 1 (A)

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

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

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	70	x 2 =	140
FAC species	0	x 3 =	0
FACU species	25	x 4 =	100
UPL species	5	x 5 =	25
Column Totals:	100 (A)		265 (B)

Prevalence Index = B/A = 2.7

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.

SOIL Sampling Point: U-JMS-02

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 3	10YR 4/2	100					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: Fill,Gravel
Depth (inches): 3

Hydric Soil Present? Yes ___ **No** ✘

Remarks:
The criterion for hydric soil is not met.