

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

CONSTRUCTION NOTICE

**HARPER - WEST AKRON 138 kV & WEST AKRON -
PLEASANT VALLEY EAST 138 kV Q-22 TRANSMISSION
LINES STRUCTURE REPLACEMENT PROJECT**

OPSB CASE NO.: 17-2015-EL-BNR

October 24, 2017

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

CONSTRUCTION NOTICE
HARPER-WEST AKRON & WEST AKRON-PLEASANT VALLEY EAST 138 kV Q-22
TRANSMISSION LINES STRUCTURE REPLACEMENT PROJECT

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

4906-6-05: ACCELERATED APPLICATION REQUIREMENTS

4906-6-05: Name and Reference Number

Name of Project: Harper - West Akron 138 kV & West Akron - Pleasant Valley East 138 kV Q-22 Transmission Lines Structure Replacement Project (“Project”).

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

In this Project, American Transmission Systems, Incorporated (“ATSI”), a FirstEnergy company, proposes to replace tower No. 6606 on the Harper - West Akron & Pleasant Valley East - West Akron 138 kV Transmission Lines due to erosion caused by a nearby stream. The existing tower will be replaced with a steel tangent monopole on a drilled shaft foundation. The proposed replacement structure will be located approximately 40-feet northwest of the existing structure along the existing transmission line centerline.

The general location of the Project is shown in Exhibit 1, a partial copy of the United States Geologic Survey, Summit County OH, Quad Map, Broadview Heights. Exhibit 2 is a partial copy of aerial imagery, Digital Orthophoto Quarter Quads (“DOQQ”). The Project is located within the Metro Parks Serving Summit County’s Furnace Run Park, between Townsend Road and Brushwood Lake, in Richfield Township, Summit County Ohio. The general layout is shown in Exhibit 3. Exhibit 4 shows a photograph of the streambank adjacent to the structure foundation and an inset birds-eye view of the Project

location. Streambank erosion continues to advance toward the existing structure, putting it at risk of being undercut. This Project and the planned construction access have been coordinated with Metro Parks Serving Summit County. Exhibit 5 shows planned construction access through the Furnace Run Metro Park parking lot, using an existing gravel drive that runs from the parking lot to Tower 6606, between Furnace Run Creek and Brushwood Lake. No encroachment into the stream is necessary and no wetlands or other sensitive areas exist within the Project limits.

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 Item (2)(a) of the Application Requirement Matrix for Electric Power Transmission Lines, Appendix A of OAC Rule 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 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) as it involves the replacement of one (1) structure of an existing transmission line impacting a distance that is less than two miles.

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

The Project is needed to ensure the tower's foundation is not compromised by continuing erosion. By replacing the lattice tower with a steel pole on a concrete foundation the structure can withstand the expected future erosion caused by the adjacent stream.

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. 2017 Long-Term Forecast Report. This map was submitted to the Public Utility Commission of Ohio (“PUCO”) in Case No. 17-93-EL-FOR under Rule 4901:5-5:04 (C)(2)(b) of the Ohio Administrative Code. The map is incorporated by reference only. This map shows ATSI’s 345 kV and 138 kV transmission lines and transmission substations including the Harper - West Akron 138 kV and West Akron - Pleasant Valley East 138 kV Q-22 Transmission Lines. The Project area is located approximately 9 1/4 inches (11” x 17” printed version) from the left edge of the map and 3 inches (11” x 17” printed version) from the top of the map. The general location and layout of the Project area is shown in Exhibits 1 and 2.

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

No other alternatives were considered as the Project involves replacing an existing transmission structure along the existing transmission centerline to address localized erosion.

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 Transmission Line Project as necessary. ATSI will maintain a copy of this Construction Notice on FirstEnergy’s website. Letters will be sent to affected property owners at least seven (7) days before construction begins on the project informing them of the Project’s start and a proposed timeframe of construction and restoration activities.

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

The construction schedule for this Project is expected to begin as early as November 20, 2017 and be completed by April 2, 2018.

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

Exhibit 1 depicts the general location of the Project. This Exhibit provides a partial copy of the United States Geological Survey, Summit County OH, Quadrangle map (USGS Quads: Broadview Heights). Exhibit 2 provides a partial copy of aerial imagery, DOQQ of the project area.

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

The Project is located within existing maintained right-of-way and no new right-of-way is required for the Project. Table 1 contains a list of property owners affected by the project.

Table 1: Property Owner List

Parcel Number	Property Owner	Property Address	Easement Status
4800003	Summit Metro Parks	Townsend Road, Richfield, OH 44286	Previously Obtained

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

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

The transmission line construction will have the following characteristics:

Voltage:	138 kV
Conductors:	200 kcmil 7 strand copper (Harper - West Akron 138 kV) 605 kcmil 24/7 ACSR "Peacock" (Existing) (West Akron - Pleasant Valley East 138 kV Q-22) (Existing)
Static Wire:	7#8 Alumoweld (Existing)
Insulators:	Polymer Suspension
ROW Width:	100 feet
Structure Types:	Exhibit 6: Steel Tangent Monopole

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

The closest occupied residence or institution is approximately 284 feet from the proposed transmission line centerline therefore no Electric and Magnetic Field (“EMF”) calculations are required by this code provision.

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

The estimated capital cost for the proposed project is approximately \$315,000.

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

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

The Project is located in Richfield Township, Summit County Ohio. The main land use around the Project is for parks and recreation.

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

Agricultural land does not exist within the Project’s disturbance area.

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

As part of the investigation, a search of Ohio Historic Preservation Office (“OHPO”) online database was conducted to identify the existence of any significant archeological or cultural resource sites within 0.5 miles of the Project Area. The results of the search are shown in Exhibit 7. The specific locations of any archeological resources are excluded from the map and are instead listed in Table 2.

The OHPO database includes all Ohio listings on 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 indicate that no listed NRHP sites and no NRHP eligible sites were identified within 0.5 miles of the Project potential disturbance area.

The OHPO database also includes listing of the Ohio Archaeological Inventory (“OAI”), the Ohio Historic Inventory (“OHI”), previous cultural resource surveys, and the Ohio Genealogical Society (“OGS”) cemetery inventory. Four (4) OAI listed archeological resource have been previously inventoried within 0.5 miles of the Project area and are shown in Table 2. Five (5) listed structural resource are located within 0.5 miles of the Project area and are shown in Table 3. Six (6) previous cultural resource survey were conducted within 0.5 miles of the Project area and are provided in Table 4. No OSG cemeteries are located within 0.5 miles of the Project area.

Table 2. List of OAI Listed Archeological Resources

OAI Number	Affiliation	Description	County	Quad Name
SU0225	Prehistoric and Historic	Unknown	Summit	Peninsula
SU0226	Prehistoric	Unknown Woodland	Summit	Peninsula
SU0227	Prehistoric and Historic	Late Woodland, Late Prehistoric	Summit	Peninsula
SU0260	Prehistoric	Unknown	Summit	Peninsula

Table 3. List of OHI Listed Structural Resources

OHI Number	Present Name	Historic Use	County	Municipality
SUM0192503	Women's Privy at Furnace Run-	Outdoor Entertainment/Recreation	Summit	Richfield (Township of)
SUM0192603	Men's Privy at Furnace Run	Outdoor Entertainment/Recreation	Summit	Richfield (Township of)
SUM0192703	Bridge	Transportation	Summit	Richfield (Township of)
SUM0192803	Brushwood Memorial	Monument/Marker	Summit	Richfield (Township of)
SUM0192903	Brushwood Shelter	Outdoor Entertainment/Recreation	Summit	Richfield (Township of)
SUM0193003	Brushwood Lake	Swimming Pool (Sport Facility)	Summit	Richfield (Township of)

Table 4. List of Previous Cultural & Historic Resource Survey

Year	Name	County	Municipality
1995	Phase I literature review and Phase II locational reconnaissance for the Riverview Unit Hike and Bike Trail, Northhampton and Portage Townships, and the City of Akron, Summit County, Ohio (PID# 13280)	Summit	Northhampton and Portage Township
1990	A Cultural Resource Survey for the Proposed Portage Path Bridge Replacement Project and Pavement Widening in Northhampton and Portage Townships, Summit County, Ohio	Summit	Northhampton and Portage Township
1981	The archaeological resources of the Ohio Turnpike - Phase II investigations at existing and proposed interchanges	Cuyahoga	Not listed
1995	Phase I Archaeological Survey of Cuyahoga Valley National Recreation Area in Richfield Township, Summit County, Ohio	Summit	Richfield Township
2004	Predictive Model Testing and Evaluation at Furnace Run Metro Park, Richfield Township, Summit County, Ohio	Summit	Richfield Township
2002	Predictive Model Testing and Evaluation at Furnace Run Metro Park, Richfield Township, Summit County, Ohio	Summit	Richfield Township

4906-6-05 (B)(10)(d): Local, State, and Federal Requirements

Table 5 shows the list of government agency requirements and the filing status at the time of filing.

Table 5. List of Government Agency Requirements to be Secured Prior to Construction

Agency	Permit Requirement	Status
City of Akron	Demolition Permit	Will be obtained
Summit Metro Parks	Temporary Work Access Agreement	Will be obtained

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

The Project work limits associated with the tower replacements are within the existing maintained transmission line corridor. The construction site will be accessible via

existing roads. There is no in-stream work or wetland encroachment for this Project. ATSI is also coordinating directly with Metro Parks Serving Summit County. No tree clearing is expected for the Project. If tree clearing is deemed necessary to support construction it will be scheduled between October 1st and March 31st to avoid impacting potential habitat for any federally or state listed bat species. If this schedule cannot be achieved and the clearing of trees outside of this window is deemed necessary, consultation with ODNR and USFWS will be completed prior to clearing.

Information provided by Metro Parks Serving Summit County indicates there are no sensitive areas or protected species present within the Project limits. Exhibit 8 is a 2016 map of protected natural and cultural resources identified by Metro Parks Serving Summit County within the Project area.

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

The Project work limits associated with the tower replacement are within the existing maintained transmission line corridor and are not expected to impact any areas of ecological concern. Appropriate BMPs will be used for the construction of this Project to avoid impacts to areas of ecological concern.

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 Electric 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 Letter of Notification Transmittal and Availability for
Public Review**

This Construction Notice is being provided concurrently with its docketing with the Board to the following officials in Richfield Township, Summit County, Ohio.

Summit County

Mr. John Schmidt, President
Summit County Council
175 South Main Street
Akron, OH 44308

Mr. Paul Prentice, Vice President
Summit County Council
175 South Main Street
Akron, OH 44308

Ms. Ilene Shapiro
Summit County Executive
175 South Main Street, 7th Floor
Akron, OH 44308

Mr. Brian Punty, District Admin.
Summit Conservation District
1180 South Main Street #241
Akron, OH 44301

Mr. Allen Marives, Chairperson
Summit Planning Commission
175 South Main Street, 7th Floor
Akron, OH 44308

Mr. Ron Koehler
Summit County Council, District 1
175 South Main Street, Suite 700
Akron, Ohio 44308

Mr. Alan Brubaker, P.E., P.S.
Summit County Engineer
538 East South Street
Akron, Ohio, 44311-1843

Richfield Township

Ms. Janet Jankura, Chairperson
Richfield Board of Trustees
3038 Boston Mills Road
Brecksville, Ohio 44141

Mr. Robert Luther
Richfield Board of Trustees
3038 Boston Mills Road
Brecksville, Ohio 44141

Mr. H. Jeff Shupe
Richfield Board of Trustees
3038 Boston Mills Road
Brecksville, Ohio 44141

Ms. Laurie Pinney
Fiscal Officer
Richfield Board of Trustees
3038 Boston Mills Road
Brecksville, Ohio 44141

Library

Ms. Jennifer Stencel
Branch Manager
Richfield Branch Library
3761 South Grant Street
Richfield, Ohio 44286

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

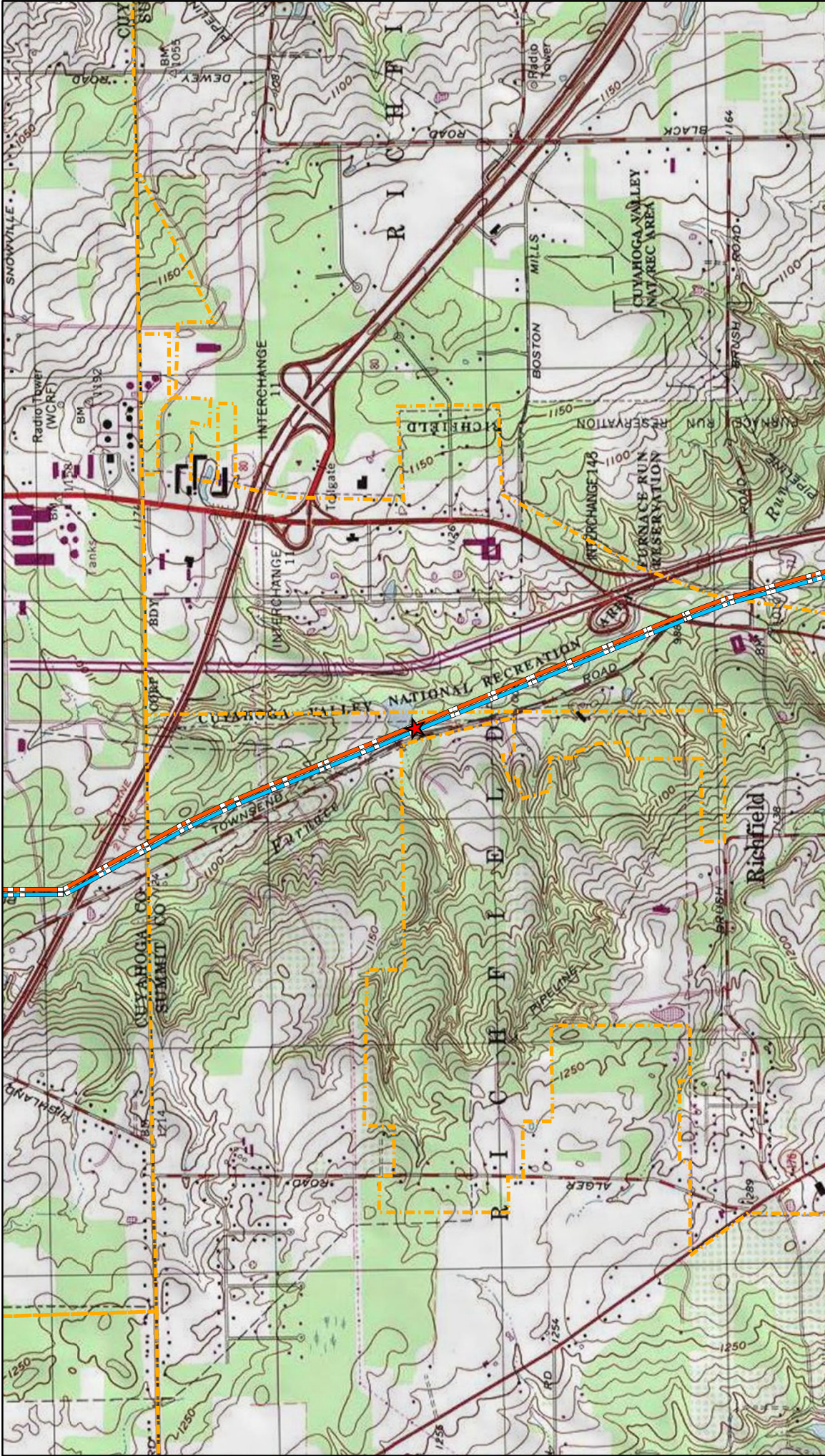


EXHIBIT 1 Harper-West Akron and Pleasant Valley East-West Akron 138 kV Transmission Line Structure Replacement Project		<p>Municipality: Richfield Township County: Summit State: Ohio USGS Quads: Broadview Heights</p>	
<p>1 inch = 2,000 feet</p> <p>0 1,000 2,000 4,000 Feet</p> <p>N</p> <p>NAD 1983 StatePlane Ohio North Projection: Lambert Conformal Conic Linear Unit: US Foot Source: ESRI Imagery Scale: 1:24,000</p>		Legend <ul style="list-style-type: none">Project LocationWest Akron-Pleasant ValleyEast 138kVHarper-West Akron 138 kVMunicipality BoundaryCounty Boundary	
<p>Key Map not to Scale.</p>		<p>Lake Geauga Portage Cuyahoga Summit Medina Wayne Lorain Stark</p>	

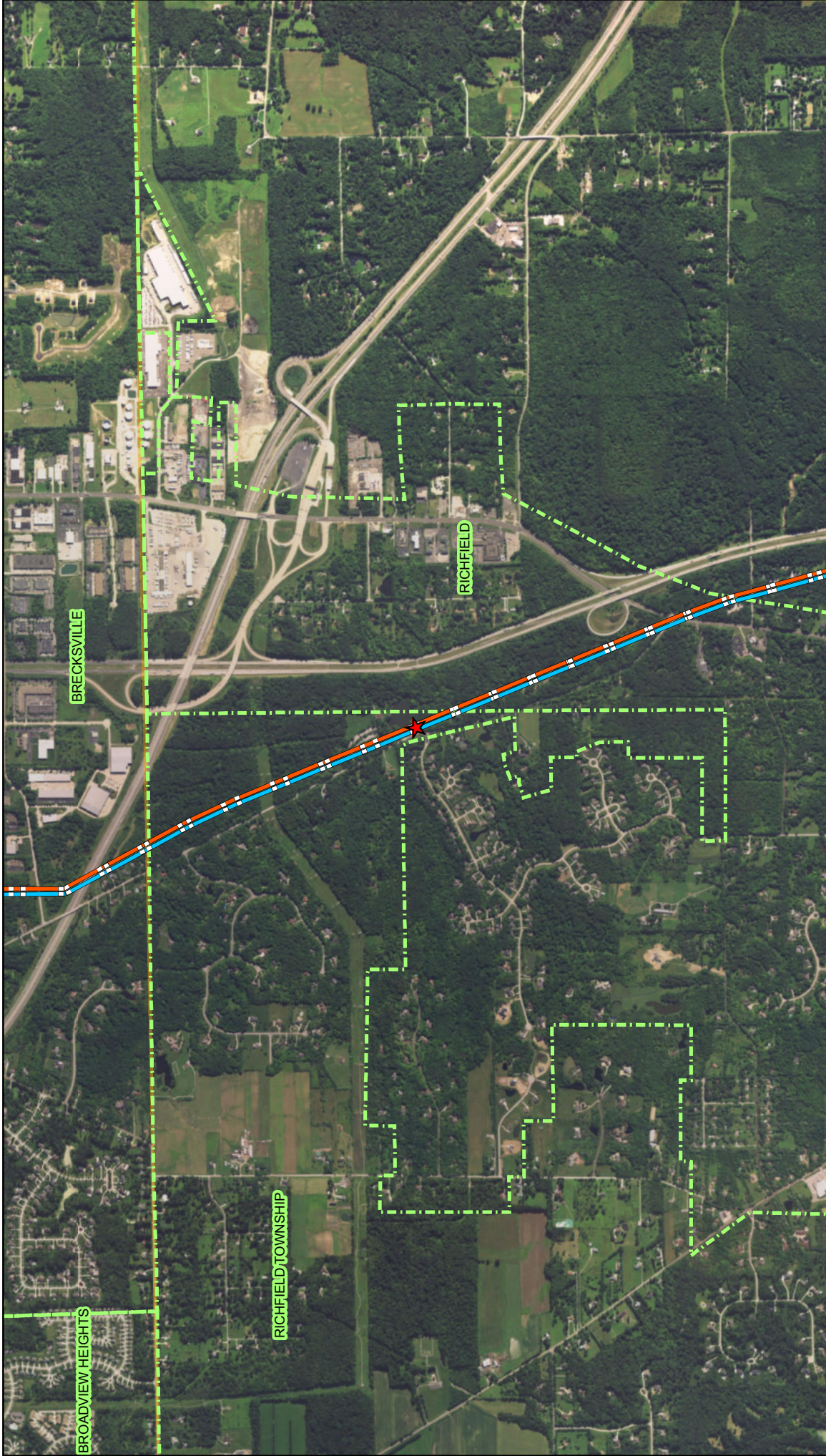
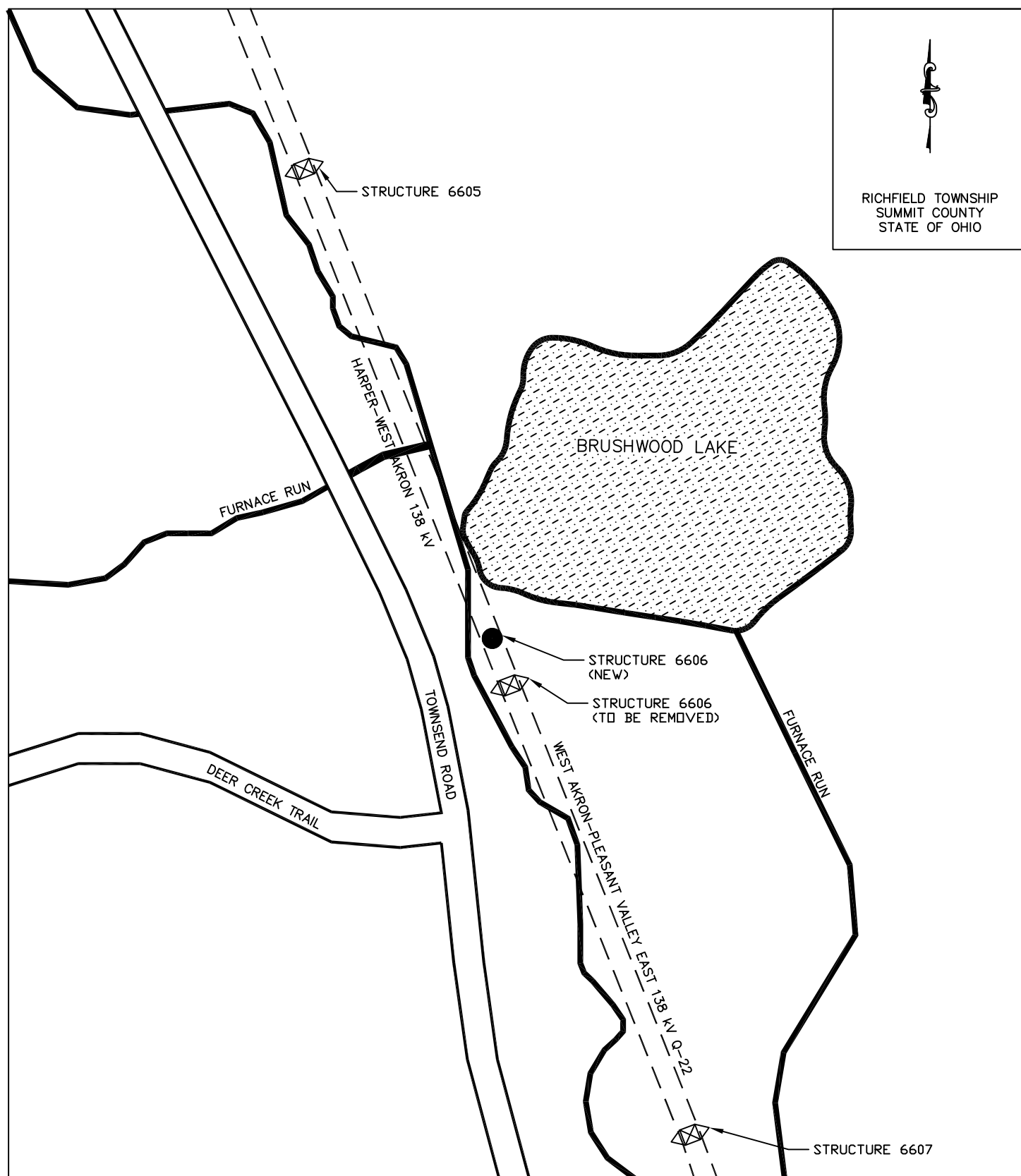





EXHIBIT 2 Harper-West Akron and Pleasant Valley East-West Akron 138 kV Transmission Line Structure Replacement Project		Municipality: Richfield Township County: Summit State: Ohio USGS Quads: Broadview Heights	
<p>1 inch = 2,000 feet</p> <p>0 1,000 2,000 4,000 Feet</p> <p>N</p> <p>NAD 1983 StatePlane Ohio North Projection: Lambert Conformal Conic Linear Unit: US Foot Source: ESRI Imagery Scale: 1:24,000</p>		Legend <ul style="list-style-type: none">★ Project Location— West Akron-Pleasant Valley— East 138kV— Harper-West Akron 138 kV--- Municipality Boundary--- County Boundary	
Key Map not to Scale.			



RICHFIELD TOWNSHIP
SUMMIT COUNTY
STATE OF OHIO



LEGEND

- EXISTING CONDUCTOR
-  EXISTING STEEL LATTICE TOWER
-  NEW SINGLE STEEL POLE
- EXISTING ROADS
- EXISTING STREAM
-  EXISTING POND/LAKE

ATSI[®]

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

HARPER-WEST AKRON 138 kV &
WEST AKRON-PLEASANT VALLEY EAST 138 kV Q-22
TRANSMISSION LINES STRUCTURE REPLACEMENT
PROJECT

GENERAL LAYOUT

EXHIBIT 3



Harper-West Akron 138 kV/
West Akron-Pleasant Valley East 138 kV
Str. 6606



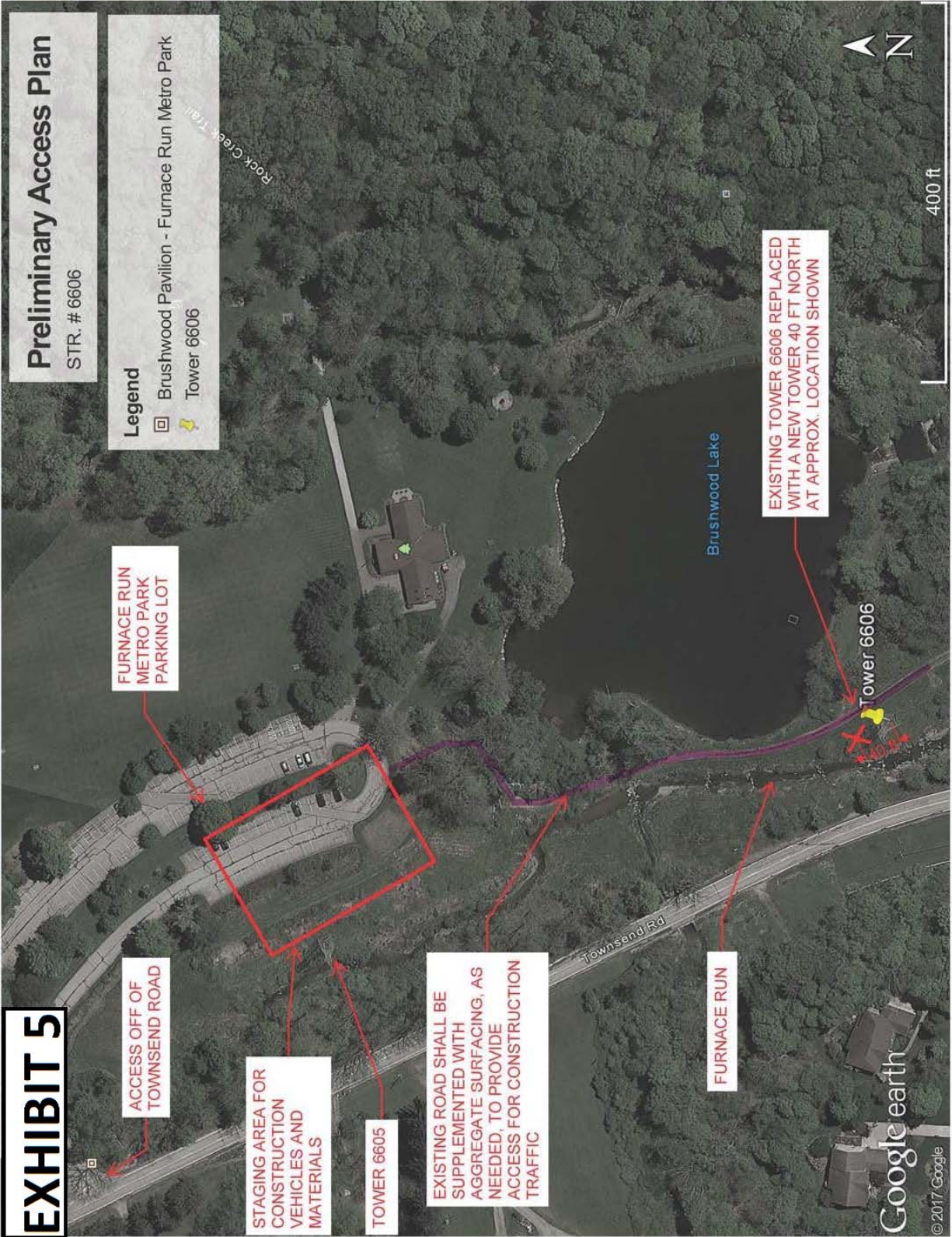
ATSI[®]

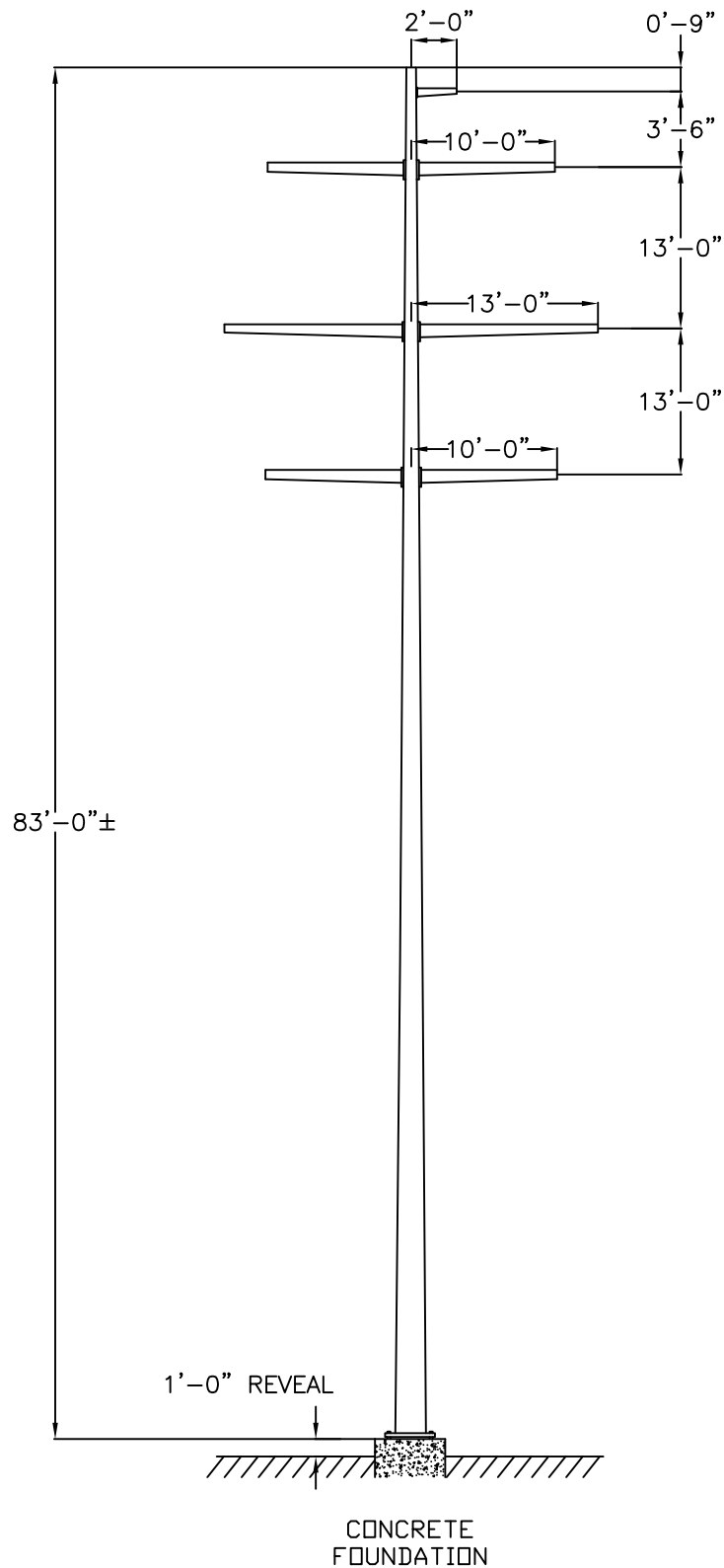
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HARPER—WEST AKRON 138 kV &
WEST AKRON—PLEASANT VALLEY EAST 138 kV Q-22
TRANSMISSION LINES STRUCTURE REPLACEMENT
PROJECT

TOWER No. 6606

EXHIBIT 4





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HARPER-WEST AKRON 138kV
 WEST AKRON-PLEASANT VALLEY EAST 138kV
 TRANSMISSION LINES
 STRUCTURE REPLACEMENT PROJECT

138 kV TANGENT STEEL MONOPOLE
 TOWER No. 6606 REPLACEMENT STRUCTURE

NOT TO SCALE

EXHIBIT 6

EXHIBIT 7



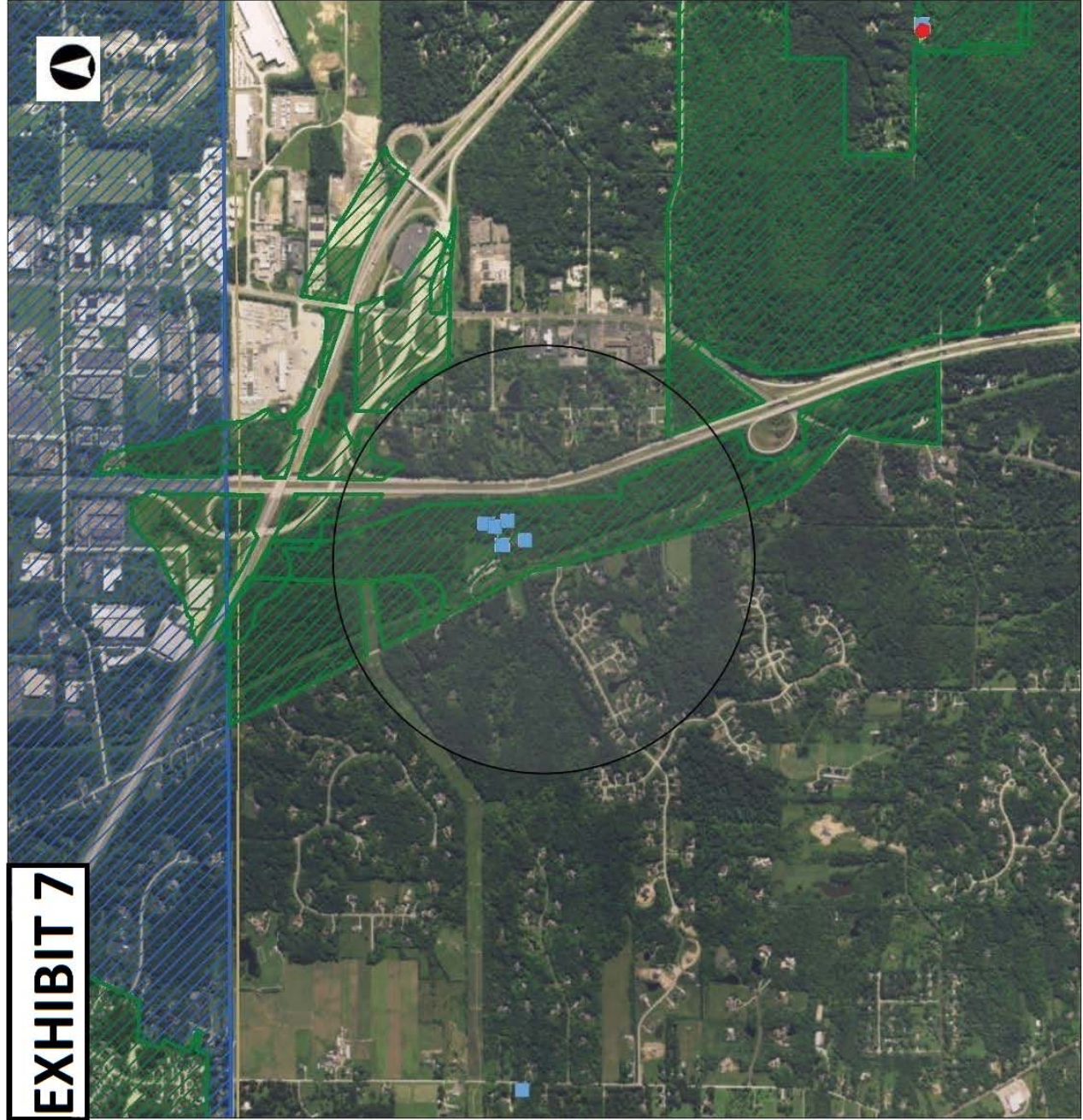
Legend

- NR Listings
 - Listed
 - National Historic Landmark
 - Delisted
 - NR Determinations of Eligibility
 - Historic Structures
 - Historic Bridges
 - Historic Tax Credit Projects
 - OGS Cemeteries
 - Confident
 - Not Confident
 - NR Boundaries
 - Phase1
 - Phase2
 - Phase3
 - Historic Previously Surveyed
 - Counties
 - Wayne National Forest
- 0 0.36 0.73 Miles
- 1: 28,848

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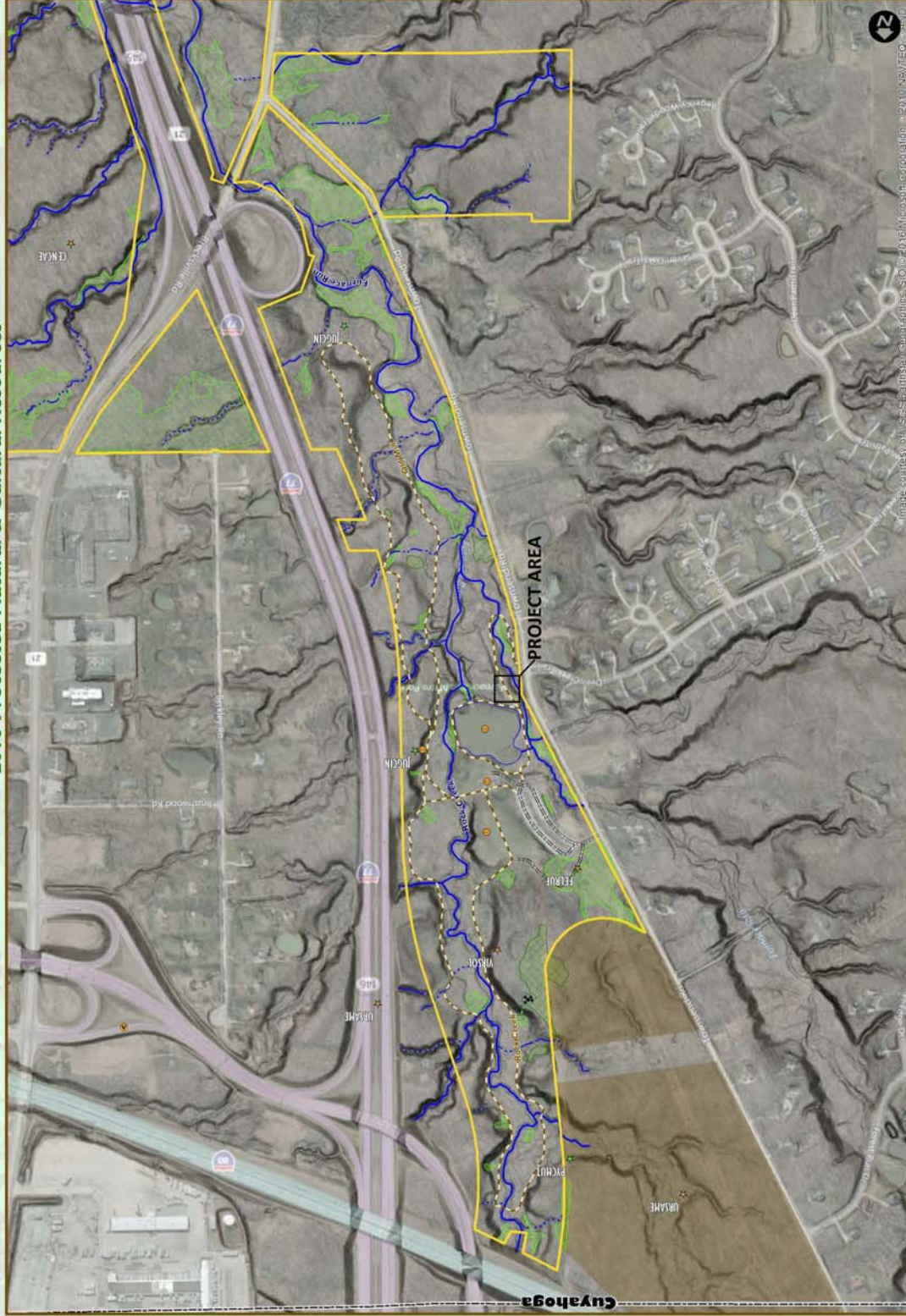
This map is a user generated static output from an Internet mapping site and is for general use. This map is a user generated static output from an Internet mapping site and is for general use only. Data layers that are not current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

Datum: [Datum]
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FURNACE RUN METRO PARK (BRUSHWOOD AREA) 2016 Protected Natural & Cultural Resources

EXHIBIT 8



Summit Metro Parks

LEGEND

- Metro Parks
- Sensitive Areas
- Trail/Lot
- Preserves
- Metro Park
- Geologic Features
- Cont. Area
- Caves
- Access Roads
- Springs
- Trails
- Seeps
- Greenway Trails
- Wet Area
- Wetland Pool
- Streams
- Blue & Hike
- Freedom
- National Parks
- Perennial
- Intermittent
- Epifaunal
- Managed Land
- Drainage
- Cultural Sites
- Wetlands
- UNDEVELOPED
- Max. Register
- Water
- Wetland
- Restored (cst)
- Archaeological
- Historical
- Rare Species
- Other
- Linear Feature
- Animal
- Plant

WILDLIFE OF CONCERN: none

Survey Status: Complete