

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

CONSTRUCTION NOTICE

**CHRYSLER-MACLEAN 138 KV TRANSMISSION LINE
TAP TO FIRST SOLAR PGT-4 SUBSTATION PROJECT
OPSB CASE NO.: 23-0886-EL-BNR**

October 31, 2023

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

CONSTRUCTION NOTICE
CHRYSLER-MACLEAN 138 kV TRANSMISSION LINE TAP
TO FIRST SOLAR PGT-4 SUBSTATION 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 (“OPSB”) as a Construction Notice application.

4906-6-05: ACCELERATED APPLICATION REQUIREMENTS

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

Chrysler-MacLean 138 kV Transmission Line Tap to First
Solar PGT-4 Substation (“Project”) (Reference Number 3011)

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

American Transmission Systems, Incorporated (“ATSI”), a FirstEnergy company, is proposing to construct and operate a 138 kV transmission line tap from the existing Chrysler-Maclean 138 kV Transmission Line to a new substation for First Solar (“Customer”), which will be owned by the Customer and referred to as the First Solar PGT-4 Substation. The following will be done to accomplish the construction of the Project:

- Install an approximately 525-foot-long (0.1 mile) 138 kV transmission line tap from a proposed new tap structure on the existing Chrysler-Maclean 138 kV Transmission Line to the new First Solar PGT-4 Substation. The proposed 138 kV transmission line tap will consist of five (5) new direct embed steel pole structures and approximately 0.1 miles of new conductor and shield wire from a new tap structure 16A23 to the new First Solar PGT-4 Substation.

- Install an approximately 740-foot-long (0.14 mile) temporary transmission line bypass on the existing Chrysler-Maclean 138 kV Transmission Line to keep the existing Shelby Substation energized during the construction of the transmission line tap to PGT-4 Substation. The temporary bypass will consist of four (4) new wood pole equivalent steel pole structures and approximately 0.14 miles of new conductor and shield wire from existing structure 16A22 to existing structure 16A24 and will be removed once construction of the transmission line tap is complete.

The general location of the proposed Project is shown in Exhibits 1 and 2. Exhibit 1 is a partial copy of a United States Geologic Survey (“USGS”) Topographic Map, Wood County, Ohio Quad Map. Exhibit 2 provides a partial copy of ESRI aerial imagery. The project is in Lake and Perrysburg Townships, Wood County, Ohio. The general layout is shown in Exhibits 3 and 3A.

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

The Project meets the requirements for a Construction Notice application because the Project fits within is within the types of projects defined by Item (1)(d)(i) of the Application Requirement Matrix for Electric Power Transmission Lines, Appendix A of OAC Rule 4906-1-01. This item states:

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

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

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

This Project meets requirement (1)(d)(i) because the proposed 138 kV transmission line transmission line tap and bypass is for First Solar and is located completely on their property.

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

The Project is needed to support a transmission service request on the ATSI Transmission system from First Solar Inc. In order to fulfill the request for service, ATSI will build a new transmission line tap connection from the existing Chrysler-MacLean 138 kV Transmission Line to the First Solar PGT-4 Substation. The Project was presented at PJM’s Subregional Regional Transmission Expansion Plan meetings on April 21, 2023, and June 16, 2023, respectively. A copy of the PJM slides from the April and June meetings are attached as Exhibit 4. PJM has assigned the Project RTEP supplemental number s3000.

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 2023 Long-Term Forecast Report (“LTFR”). This map was submitted to the PUCO in Case No. 23-0504-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, including the Chrysler-MacLean 138 kV Transmission Line, and transmission substations. The general location of the Project area is shown in Exhibits 1 and 2. The Project layout is shown in Exhibits 3 and 3A. The Project is included in ATSI’s LTFR filed in 2023 on page 89.

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

No alternatives were considered for this Project as there were no other viable transmission solutions. The Chrysler-MacLean 138 kV Transmission Line offers the most direct and economical solution with the least environmental impacts, for a transmission connection to First Solar PGT-4 Substation.

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

ATSI’s manager of External Affairs will advise local officials of features and the status of the proposed Project as necessary. ATSI will maintain a Project website and will continue to work with property owners concerning the proposed Project. The website address is below: https://www.firstenergycorp.com/about/transmission_projects/ohio.html .

Finally, during all phases of this Project, ATSI will maintain 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

Due to outage constraints, construction of the temporary bypass is anticipated to begin in late November 2023 and be completed in January 2024. Construction of the line extension is anticipated to begin in September 2024 and be completed by October 2024.

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

Exhibits 1 and 2 depict the general location of the Project. Exhibit 1 provides a partial copy of the USGS Topographic Map, Wood County, Ohio Quad Map. Exhibit 2 provides a partial copy of ESRI aerial imagery.

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

ATSI will obtain a new easement from First Solar for the line extension across their properties. No other properties are involved.

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

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

The equipment and facilities described below are associated with the Project.

Voltage:	138 kV
Conductors:	954 kcmil 45/7 ACSR (Final Configuration) 336.4 kcmil 26/7 ACSR (Temporary Bypass)
Static Wire:	7#8 Alumoweld

Insulators: Deadend (Porcelain); Tangent (Polymer)
ROW Width: 60-100 feet
Land Requirements: New ROW required
Structure Types: Five (5) new structures will be installed for the
Final Configuration:
Exhibit 5 – One (1) Steel Pole Dead-End Structure
Exhibit 6– One (1) Steel Pole Dead-End Tap Structure
Exhibit 7 – Three (3) Steel Pole Switch Structures

Four (4) new structures will be installed for the
Temporary Bypass:
Exhibit 8 - One (1) Steel Pole Dead-End Structure
Exhibit 9– Three (3) Tubular Steel Pole Dead-End Structures.

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

Because the closest occupied residence is approximately 170 feet from the proposed transmission line centerline, Electric and Magnetic Field (“EMF”) calculations are not required for this Project.

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

The estimated capital cost for the proposed Project is approximately \$1,766,100.

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

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

The Project is in Lake and Perrysburg Townships, Wood County, Ohio. The Project area is in industrial zoned land. 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 performed a desktop review based on information received from the Ohio Historic Preservation Office’s (“OHPO’s”) online mapping system on September 7, 2023, to identify the presence of previously recorded significant historic properties, including above-ground historic resources and/or archeological sites, mapped within 0.5 miles of the Project’s APE. The results of the search are shown in Exhibit 10.

The OHPO database catalogs 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 indicate that there are no historic properties listed or eligible for listing in the NRHP within the APE.

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. The results of the search indicate that, within the APE, there are no historic properties or recorded above-ground historic resources. There is one (1) OGS cemetery mapped 0.21 miles to the east-northeast of the eastern extent of the proposed Project. The cemetery location has not been field confirmed and is mapped within an agricultural field.

No archaeological surveys have been conducted within 0.5 miles of the Project. The nearest survey is located 0.8 miles from the APE. One (1) archaeological site has been recorded 0.21 miles southeast of the eastern extent of the proposed Project. The unassigned prehistoric open site has not yet been evaluated for NRHP eligibility.

This proposed Project will involve the construction of a new transmission line tap to First Solar’s PGT-4 Project. Subsurface impacts will be minimal in the form of new structures within a 4.09-acre Study Area, which is comprised of industrial land use. Therefore, the proposed Project is not expected to have any adverse effects on known historic properties.

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

Coordination with Lake and Perrysburg Townships is required prior to construction. No additional government agency authorizations are expected to be needed for this Project.

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

As part of the investigation, ATSI retained TRC to conduct the necessary environmental surveys. TRC submitted a request to the Ohio Department of Natural Resources (ODNR) Office of Real Estate to conduct an Environmental Review on September 1, 2023. As part of that Environmental Review, the ODNR Office of Real Estate conducted a search of the ODNR Division of Wildlife’s Natural Heritage Database in order to research the presence of any endangered, threatened, or rare species within one (1) mile of the Project area. As of October 31, 2023, a response has not yet been received but will be forwarded upon receipt.

As a part of the investigation, TRC also submitted a request to the US Fish and Wildlife Service (USFWS) for an Ecological Review to research the presence of any endangered, threatened, rare, or designated species within one (1) mile of the Project Area. A copy of USFWS’s Ecological Review response, dated September 7, 2023, is included as Exhibit 11. The response indicated that due to the project type, size, and location, the USFWS does not anticipate adverse effects to federally endangered, threatened, or proposed species or proposed or designated critical habitat.

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

USFWS comments did not identify any areas of ecological concern. TRC conducted a wetland and waterway delineation for this Project on August 30, 2023. TRC investigated the structure locations and construction access areas for this Project. One (1) wetland was identified in the study area, which consists mainly of existing maintained utility right-of-way within industrial land use. No streams were identified during the wetland and waterway delineation for this Project. TRC also did not observe the presence of any of the ODNR-listed species during the field investigation due to the highly maintained

nature of the utility right-of-way and existing facility. Therefore, there will be no impacts to the listed reptiles, fish, or birds. A general list of the ODNR listed species in Wood County, Ohio, is included as Exhibit 12.

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

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

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

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

This Construction Notice application is being provided concurrently to the following public officials from Lake Township, Perrysburg Township and Wood County.

Wood County

Mr. Craig LaHote, President
Wood County Commissioner
5th Floor, County Office Bldg.
One Courthouse Square
Bowling Green, OH 43402

Dr. Theodore H. Bowlus,
Vice-President
Wood County Commissioner
5th Floor, County Office Bldg.
One Courthouse Square
Bowling Green, OH 43402

Ms. Doris I. Herringshaw,
Ed.D.
Wood County Commissioner
5th Floor, County Office Bldg.
One Courthouse Square
Bowling Green, OH 43402

Mr. John M. Musteric P.E, P.S.,
Wood County Engineer
County Office Building
One Courthouse Square
Bowling Green, OH 43402

Mr. Dave Steiner, Director
Wood County Planning
Commission
5th Floor, County Office Bldg.
One Courthouse Square
Bowling Green, OH 43402

Mr. Jim Carter, District
Administrator,
Wood County Soil & Water
Conservation District
1616 E. Wooster St. Suite 32
Bowling Green, OH 43402

Lake Township

Mr. Ken Gilsdorf, Trustee
Lake Township
Administration Offices
27975 Cummings Road
Millbury, OH 43447

Ms. Lorie Davis, Trustee
Lake Township
Administration Offices
27975 Cummings Road
Millbury, OH 43447

Mr. Richard Welling, Trustee
Lake Township
Administration Offices
27975 Cummings Road
Millbury, OH 43447

Mr. Buddy Ritson, Fiscal Officer
Lake Township
Administration Offices
27975 Cummings Road
Millbury, OH 43447

Perrysburg Township

Mr. Gary Britten, Trustee
Perrysburg Township
10960 Roachton Road
Perrysburg, OH 43551

Mr. Joseph Schaller, Trustee
Perrysburg Township
27840 Glenwood
Perrysburg, OH 43551

Mr. Robert Mack, Trustee
Perrysburg Township
30195 Morningside Drive
Perrysburg, OH 43551

Ms. Gretchen Welch,
Fiscal Officer
Perrysburg Township
29096 Belmont Farm Road
Perrysburg, OH 43551

Library

Mr. Michael Penrod, Library Director
Wood County District Public Library
108 N Main Street,
Walbridge, OH 43465

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

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

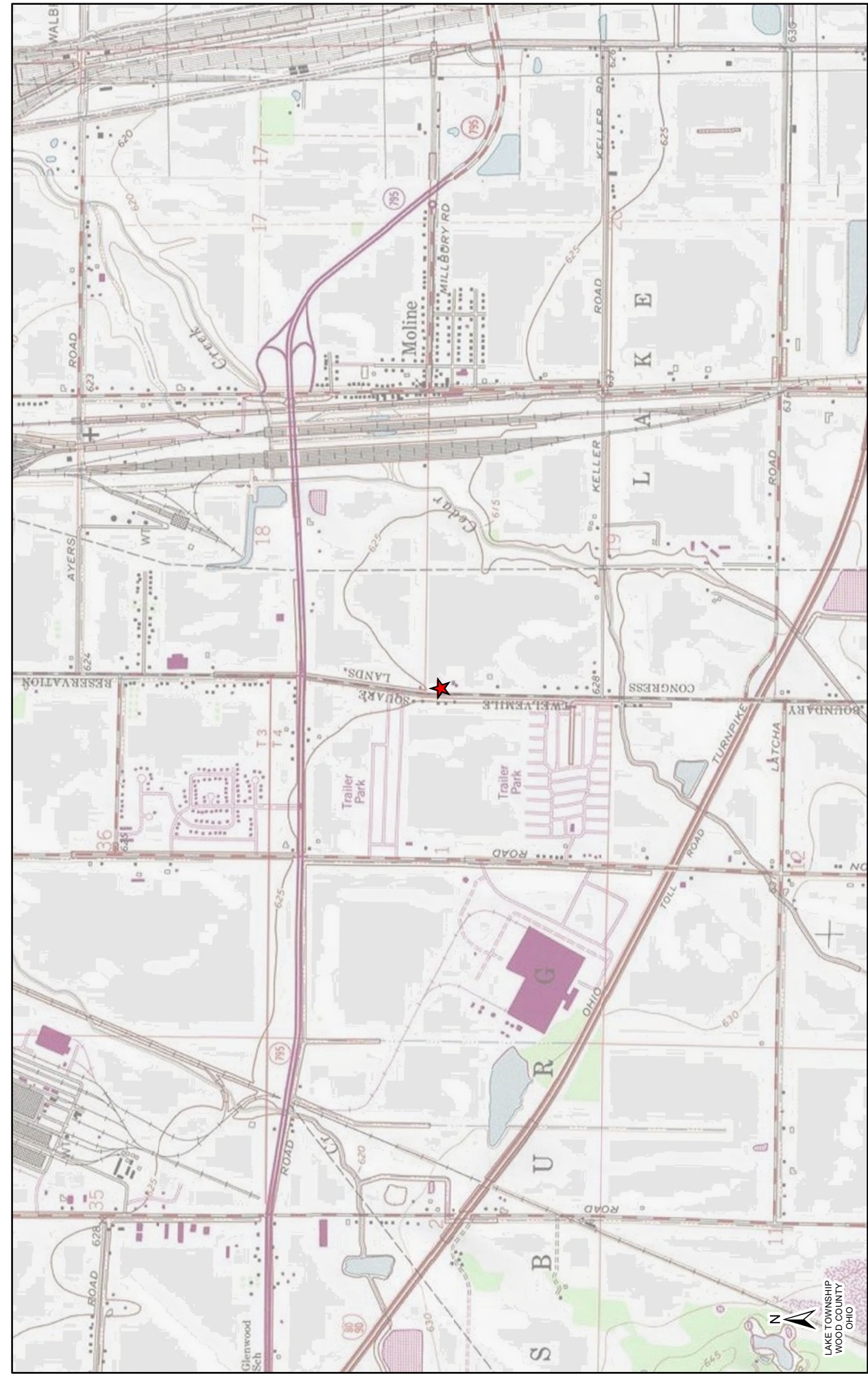
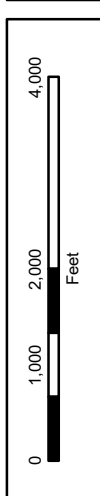
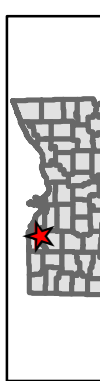


EXHIBIT 1



Reference:
USGS Topographical Overlay

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

Chrysler-Maclean 138 kV Transmission Line Tap to First Solar PGT-4 Substation Project



LEGEND:
★ Project Location

LEGEND:
★ Project Location

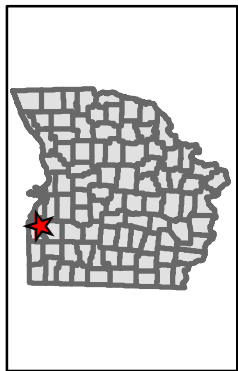


N
LAKE TOWNSHIP
WOOD COUNTY
OHIO



EXHIBIT 2

Chrysler-Maclean 138 kV Transmission Line Tap
to First Solar PGT-4 Substation Project

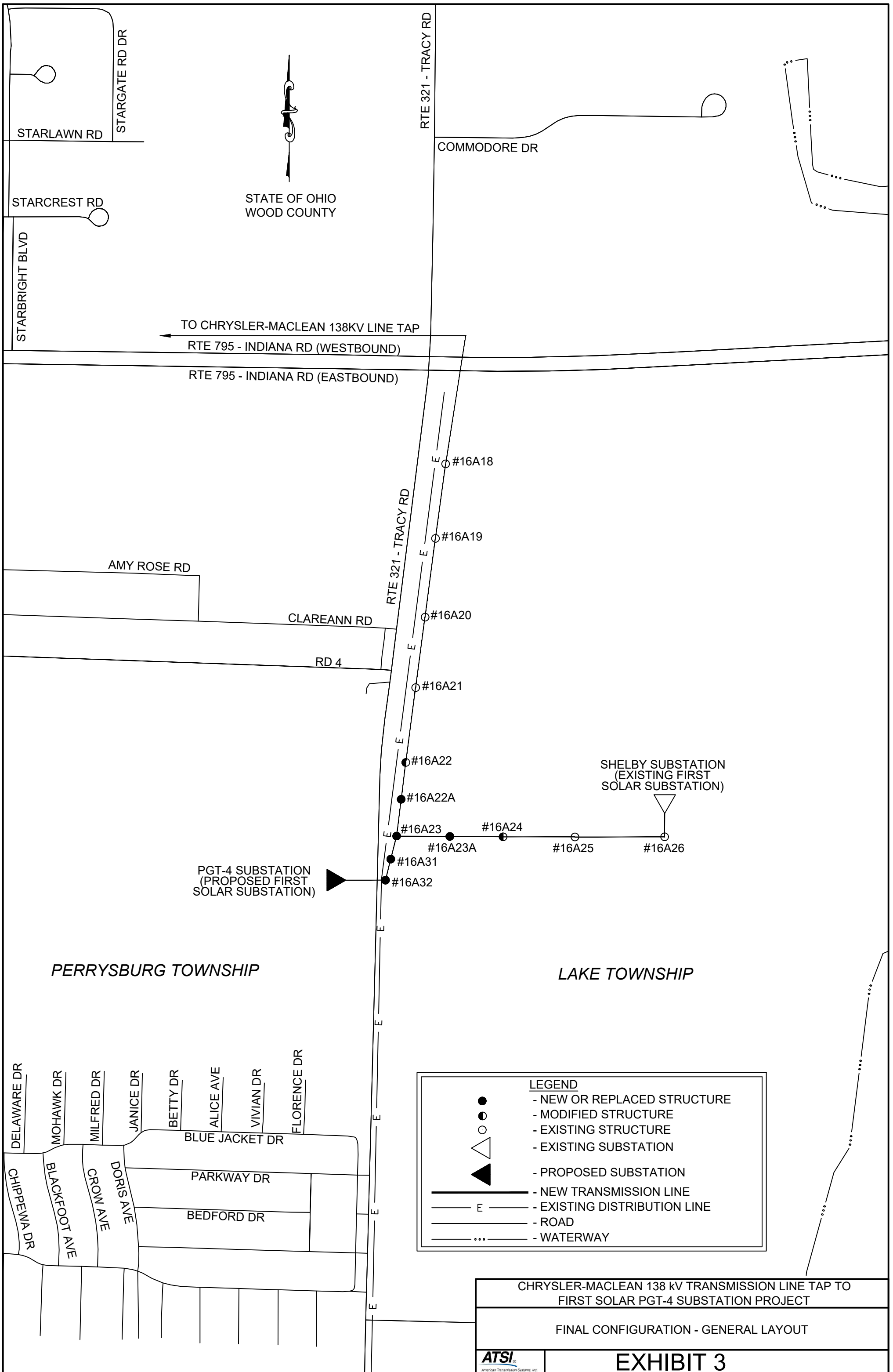


0 1,000 2,000 4,000 Feet

Reference:
ESRI Aerial Imagery

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

LEGEND:
★ Project Location



STATE OF OHIO
WOOD COUNTY

TO CHRYSLER-MACLEAN 138KV LINE TAP
RTE 795 - INDIANA RD (WESTBOUND)

RTE 795 - INDIANA RD (EASTBOUND)

RTE 321 - TRACY RD

#16A18

#16A19

#16A20

#16A21

#16A22

#16A22A

#16A23

#16A23A

#16A31

#16A32

#16A24

#16A25

#16A26

SHELBY SUBSTATION
(EXISTING FIRST
SOLAR SUBSTATION)

PGT-4 SUBSTATION
(PROPOSED FIRST
SOLAR SUBSTATION)

PERRYSBURG TOWNSHIP

LAKE TOWNSHIP

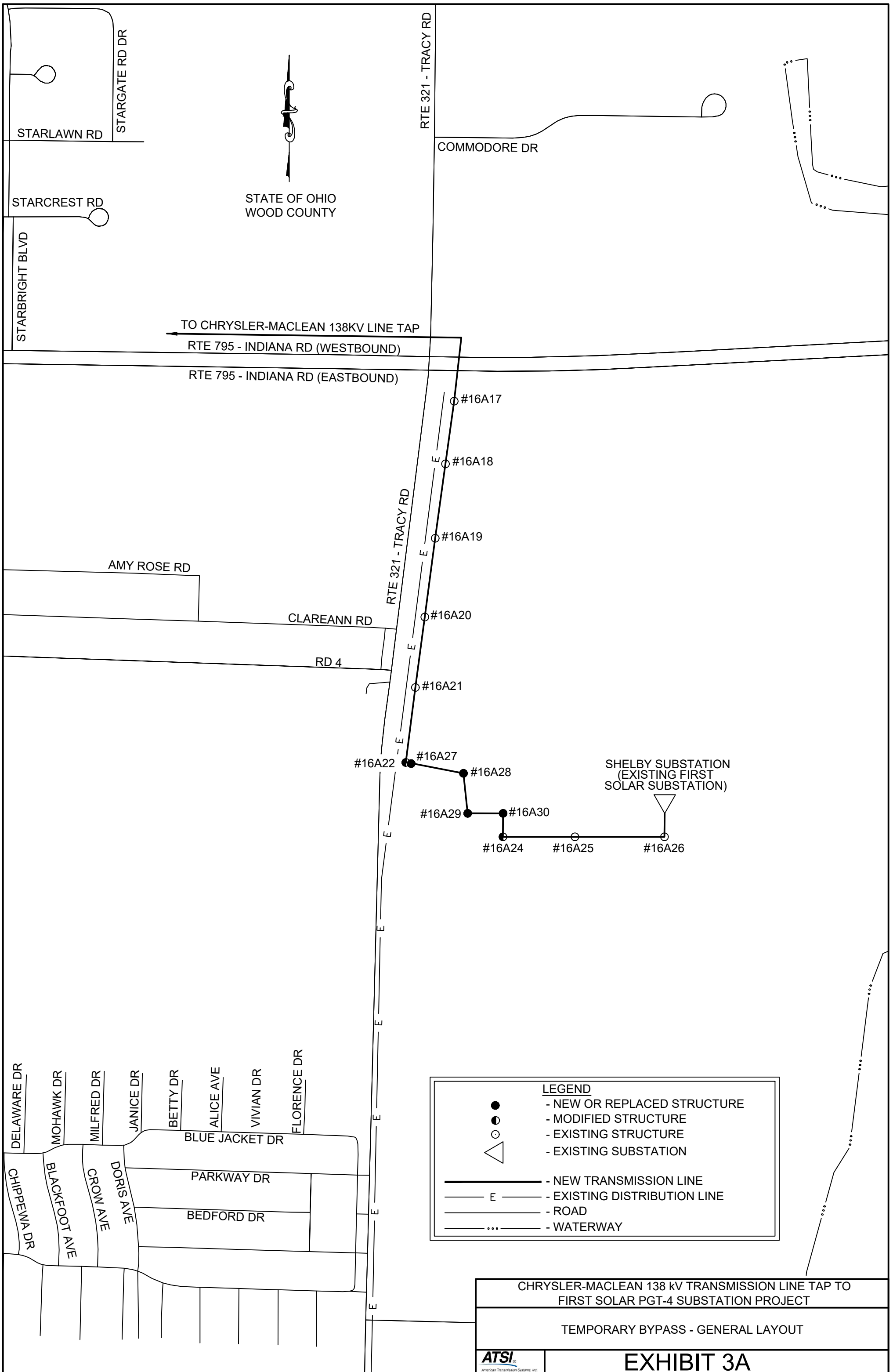
LEGEND	
	- NEW OR REPLACED STRUCTURE
	- MODIFIED STRUCTURE
	- EXISTING STRUCTURE
	- EXISTING SUBSTATION
	- PROPOSED SUBSTATION
	- NEW TRANSMISSION LINE
	- EXISTING DISTRIBUTION LINE
	- ROAD
	- WATERWAY

CHRYSLER-MACLEAN 138 kV TRANSMISSION LINE TAP TO
FIRST SOLAR PGT-4 SUBSTATION PROJECT

FINAL CONFIGURATION - GENERAL LAYOUT

ATSI
American Transmission Systems, Inc.
www.atsi.com

EXHIBIT 3



STATE OF OHIO
WOOD COUNTY

TO CHRYSLER-MACLEAN 138KV LINE TAP
RTE 795 - INDIANA RD (WESTBOUND)

RTE 795 - INDIANA RD (EASTBOUND)

RTE 321 - TRACY RD

SHELBY SUBSTATION
(EXISTING FIRST
SOLAR SUBSTATION)

LEGEND

- - NEW OR REPLACED STRUCTURE
- - MODIFIED STRUCTURE
- - EXISTING STRUCTURE
- △ - EXISTING SUBSTATION
- - NEW TRANSMISSION LINE
- E — - EXISTING DISTRIBUTION LINE
- - ROAD
- ... - WATERWAY

CHRYSLER-MACLEAN 138 KV TRANSMISSION LINE TAP TO
FIRST SOLAR PGT-4 SUBSTATION PROJECT

TEMPORARY BYPASS - GENERAL LAYOUT

ATSI
American Transmission Systems, Inc.

EXHIBIT 3A

Need Number: ATSI-2023-003

Process Stage: Need Meeting – 4/21/2023

Project Driver(s):
Customer Service

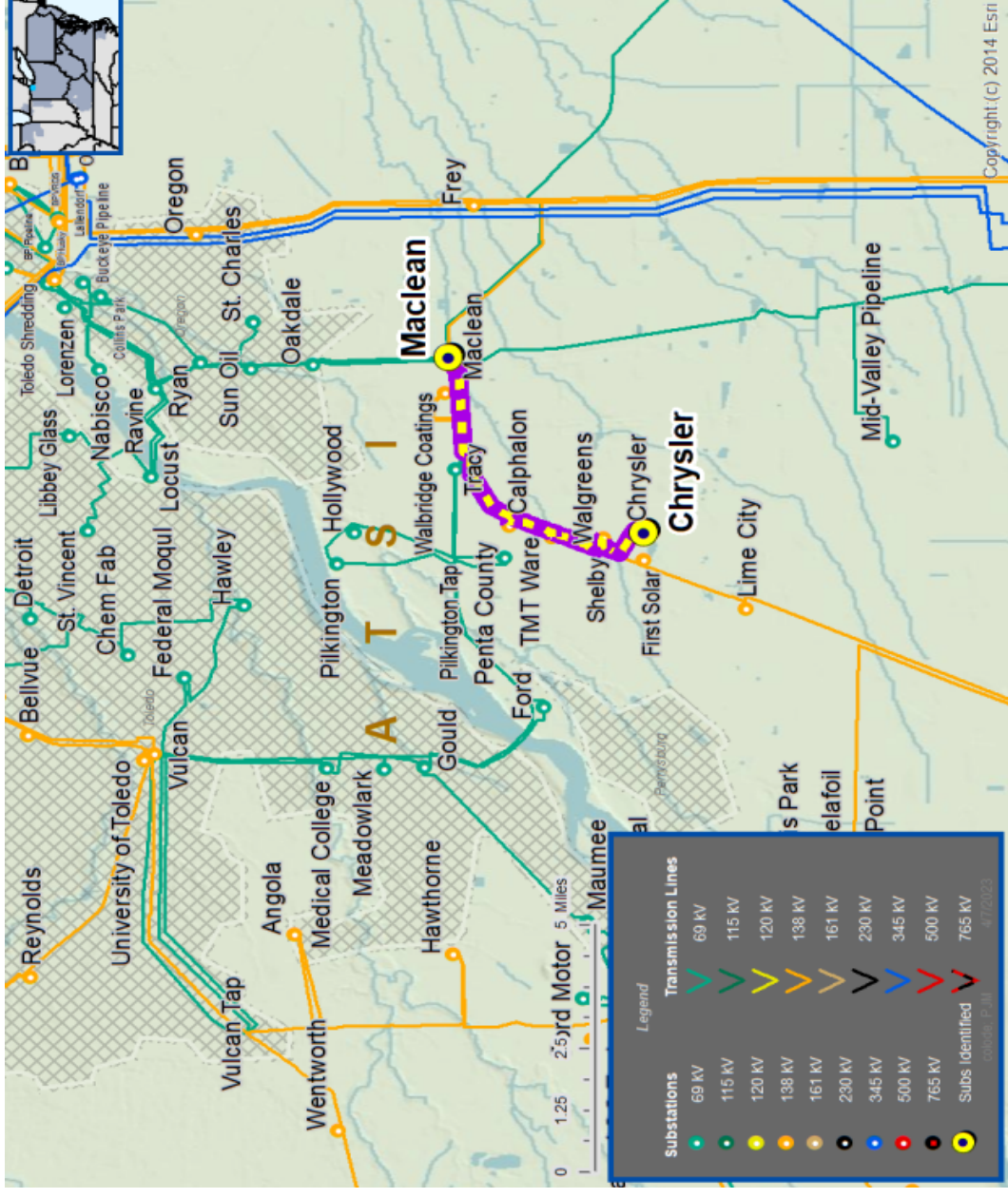
Specific Assumption Reference(s)

New customer connection request will be evaluated per FirstEnergy’s “Requirements for Transmission Connected Facilities” document and “Transmission Planning Criteria” document.

Problem Statement

New Customer Connection – Customer has requested a new 138 kV delivery point near the Chrysler-Maclean 138 kV line. The anticipated load of the new customer connection is 30 MVA.

Requested in-service date is 10/01/2024.





ATSI Transmission Zone M-3 Process Chrysler-Maclean 138 kV New Customer

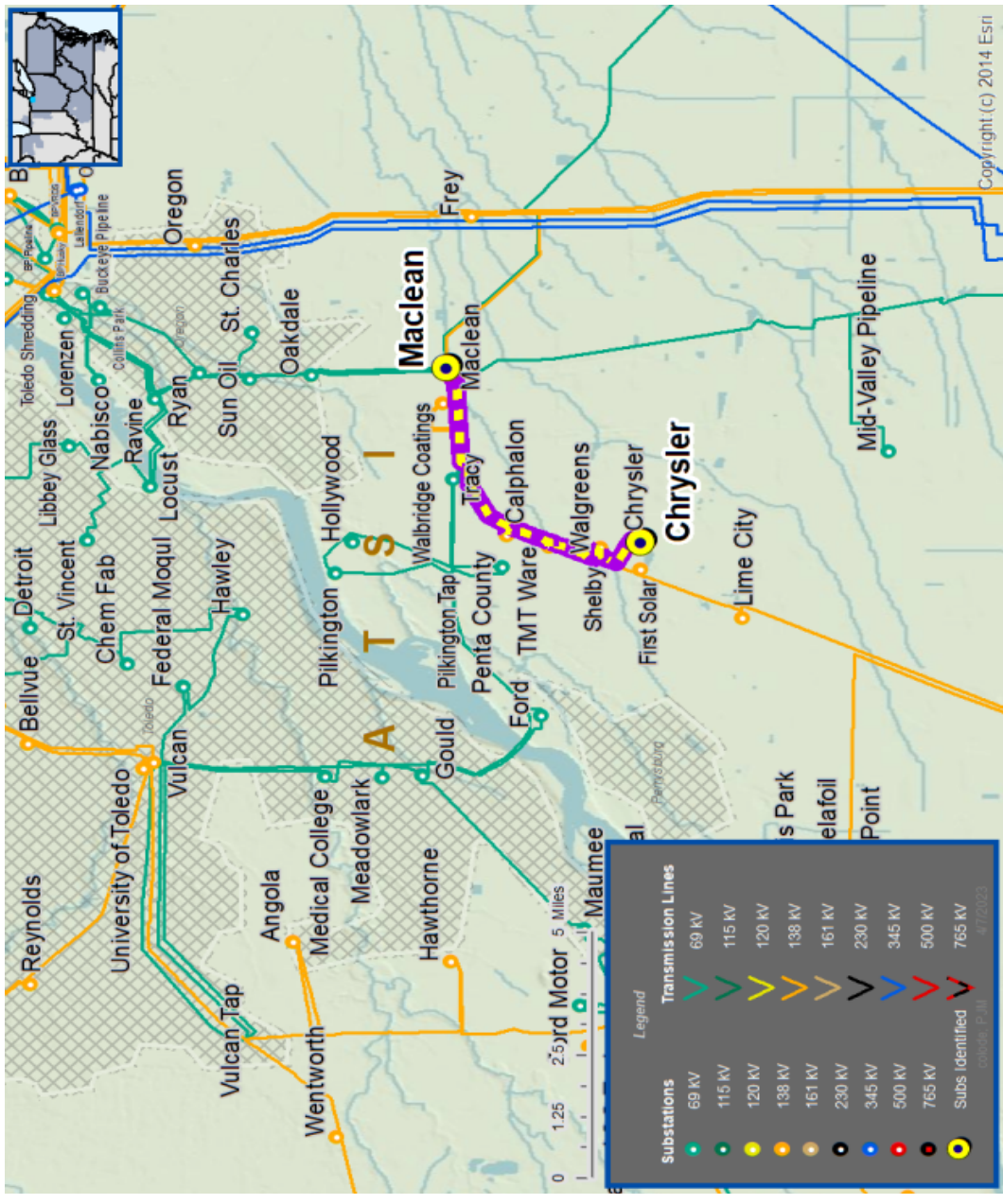
Need Number: ATSI-2023-003
Process Stage: Solution Meeting –6/16/2023
Previously Presented: Need Meeting – 4/21/2023

Project Driver(s):
Customer Service

Specific Assumption Reference(s)
 New customer connection request will be evaluated per FirstEnergy’s “Requirements for Transmission Connected Facilities” document and “Transmission Planning Criteria” document.

Problem Statement
 New Customer Connection – Customer has requested a new 138 kV delivery point near the Chrysler-Maclean 138 kV line. The anticipated load of the new customer connection is 30 MVA.

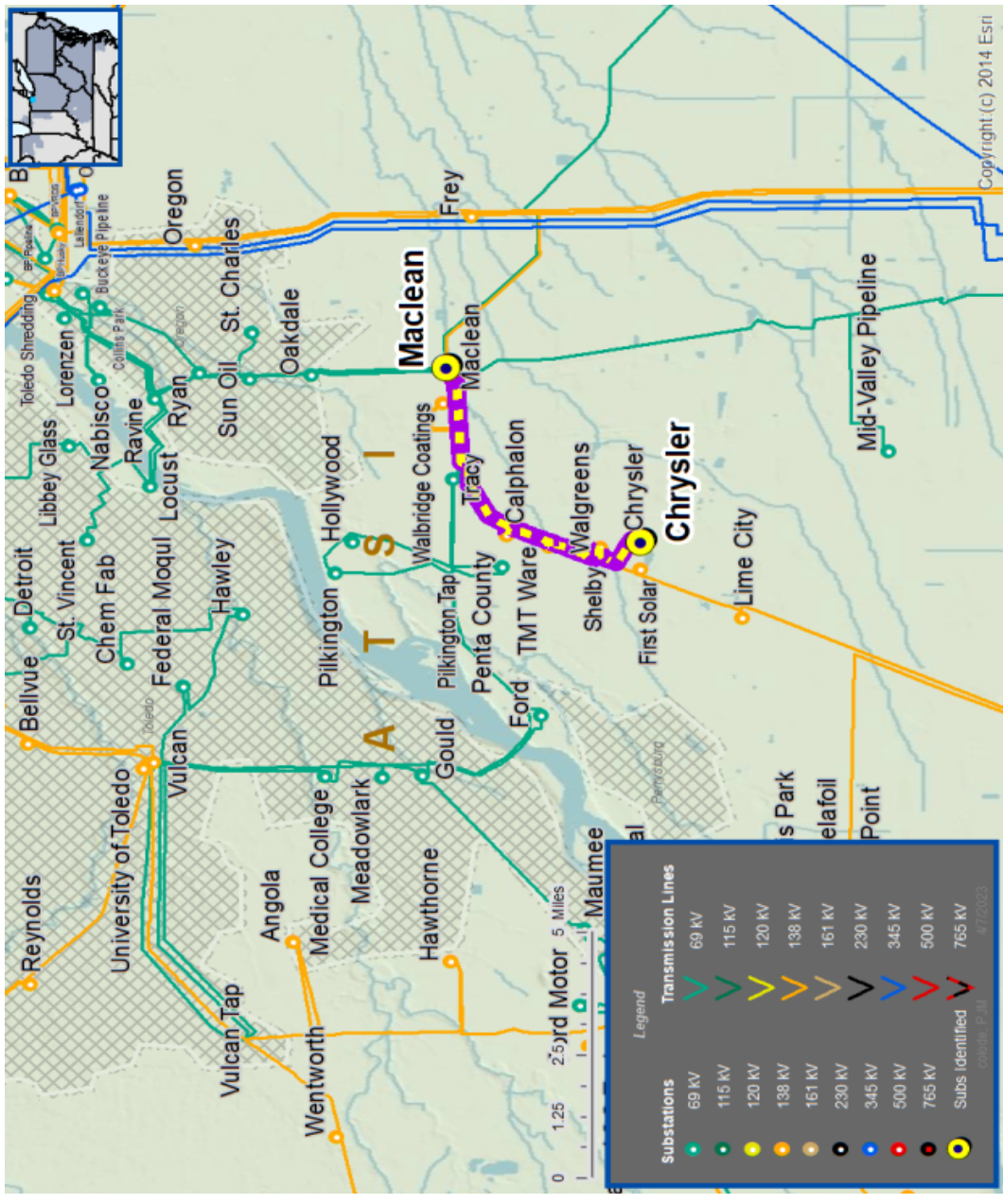
Requested in-service date is 10/01/2024.



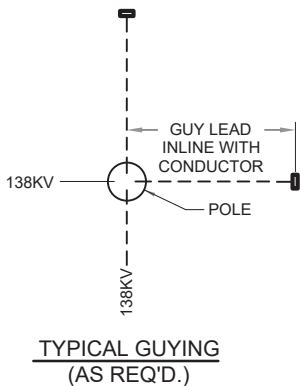
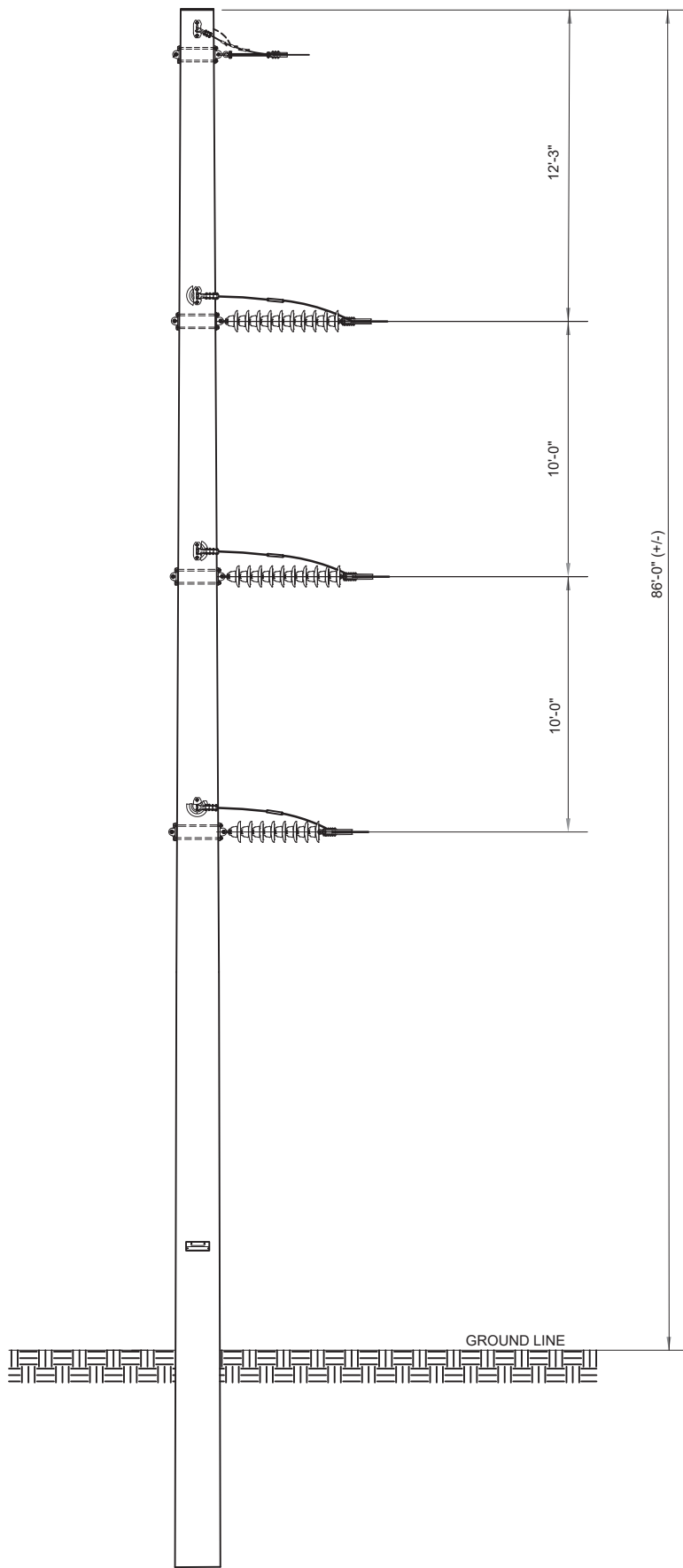


ATSI Transmission Zone M-3 Process Chrysler-Maclean 138 kV New Customer

- Need Number:** ATSI-2023-003
- Process Stage:** Solution Meeting –6/16/2023
- Previously Presented:** Need Meeting – 4/21/2023
- Proposed Solution:**
 - 138 kV Transmission Line Tap**
 - Install three SCADA controlled transmission line switches
 - Construct approximately 250 ft of transmission line using 954 45/7 ACSR from tap point to the customer substation
- Alternatives Considered:**
 - No feasible alternatives to meet customer’s request
- Estimated Project Cost:** \$0.9M
- Projected In-Service:** 10/1/2024
- Status:** Engineering

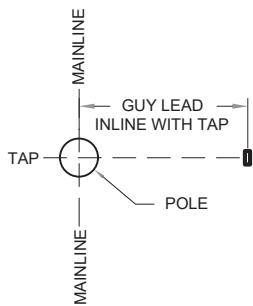
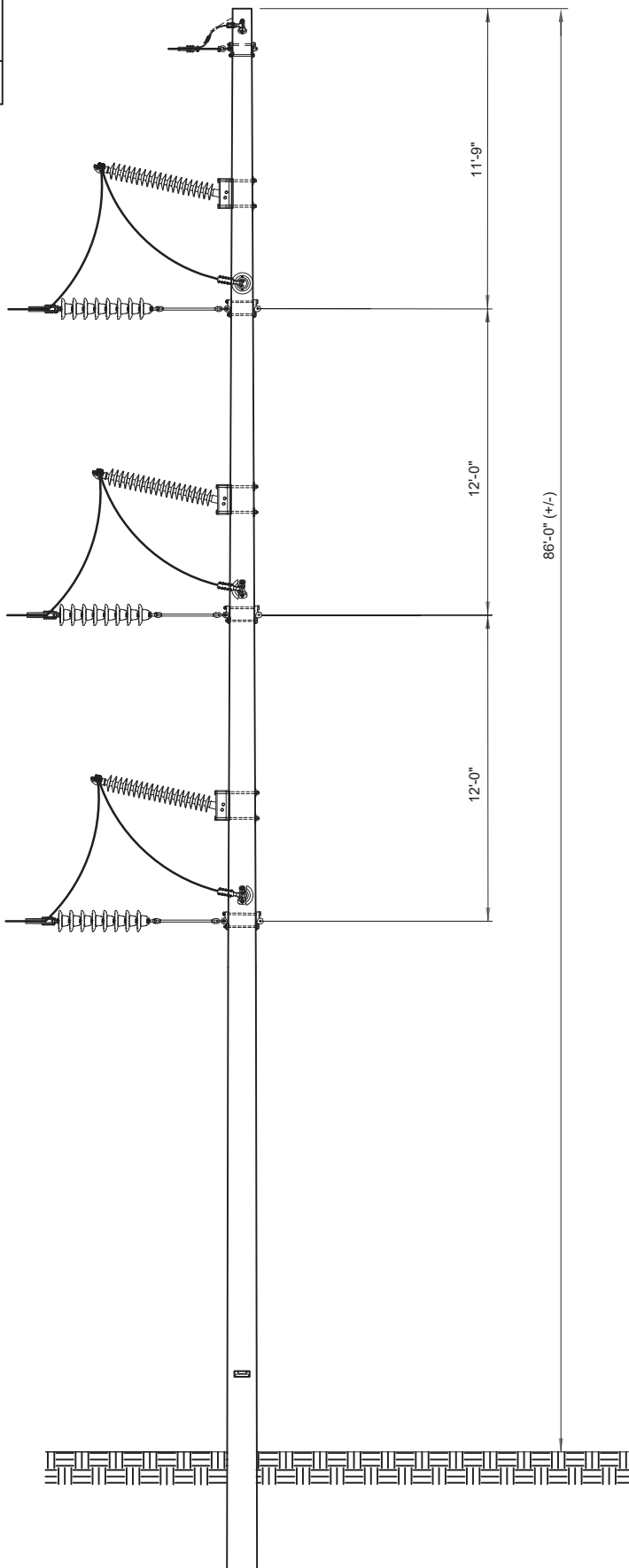


STRUCTURE#	HEIGHT ABOVE GRADE (FT)
16A32	86'-0"



CHRYSLER-MACLEAN 138 kV TRANSMISSION LINE TAP TO
 FIRST SOLAR PGT-4 SUBSTATION PROJECT - FINAL CONFIGURATION
 138kV SINGLE CIRCUIT WOOD POLE EQUIVALENT STEEL STRUCTURE
 DEADEND VERTICAL, SINGLE POLE (60° TO 120°)

STRUCTURE#	HEIGHT ABOVE GRADE (FT)
16A23	86'-0"



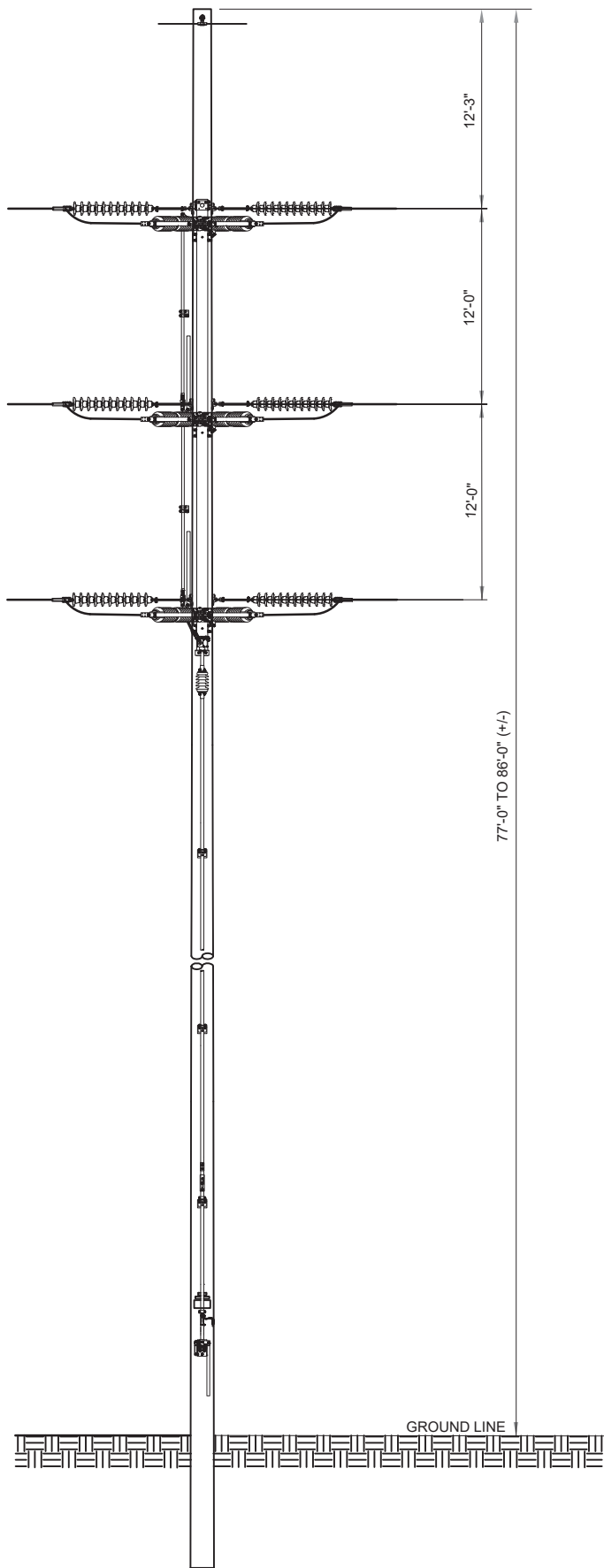
CHRYSLER-MACLEAN 138 kV TRANSMISSION LINE TAP TO
 FIRST SOLAR PGT-4 SUBSTATION PROJECT - FINAL CONFIGURATION
 138kV SINGLE CIRCUIT WOOD EQUIVALENT STEEL STRUCTURE
 VERTICAL TAP, SINGLE POLE



EXHIBIT 6

PAPER SIZE: 8.5X11

STRUCTURE#	HEIGHT ABOVE GRADE (FT)
16A22A	77'-0"
16A23A	77'-0"
16A31	86'-0"



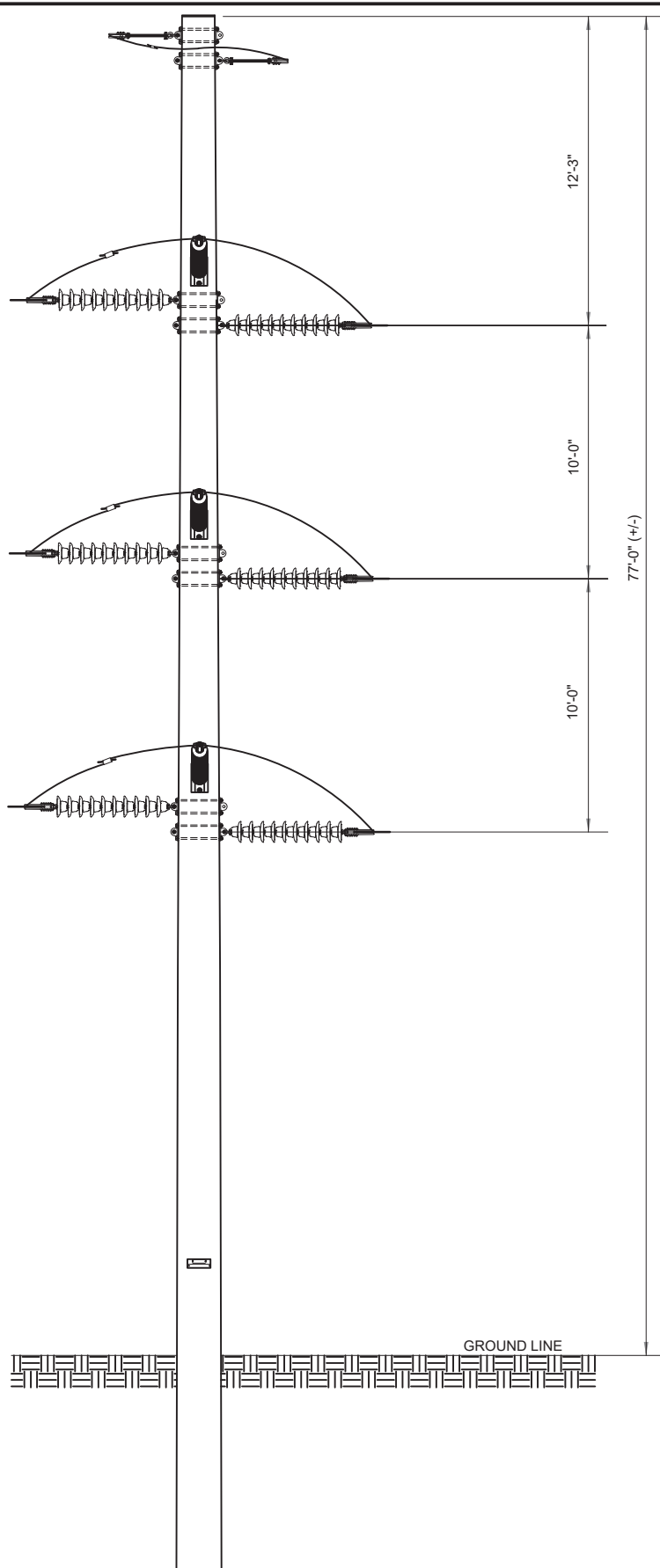
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CHRYSLER-MACLEAN 138 kV TRSMISSION LINE TAP TO
 FIRST SOLAR PGT-4 PROJECT - FINAL CONFIGURATION
 138KV SINGLE CIRCUIT WOOD POLE EQUIVALENT STEEL STRUCTURE
 2000A UNITIZED SWITCH STRUCTURE



EXHIBIT 7

STRUCTURE#	HEIGHT ABOVE GRADE (FT)
16A27	77'-0"



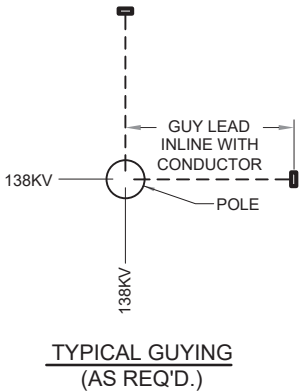
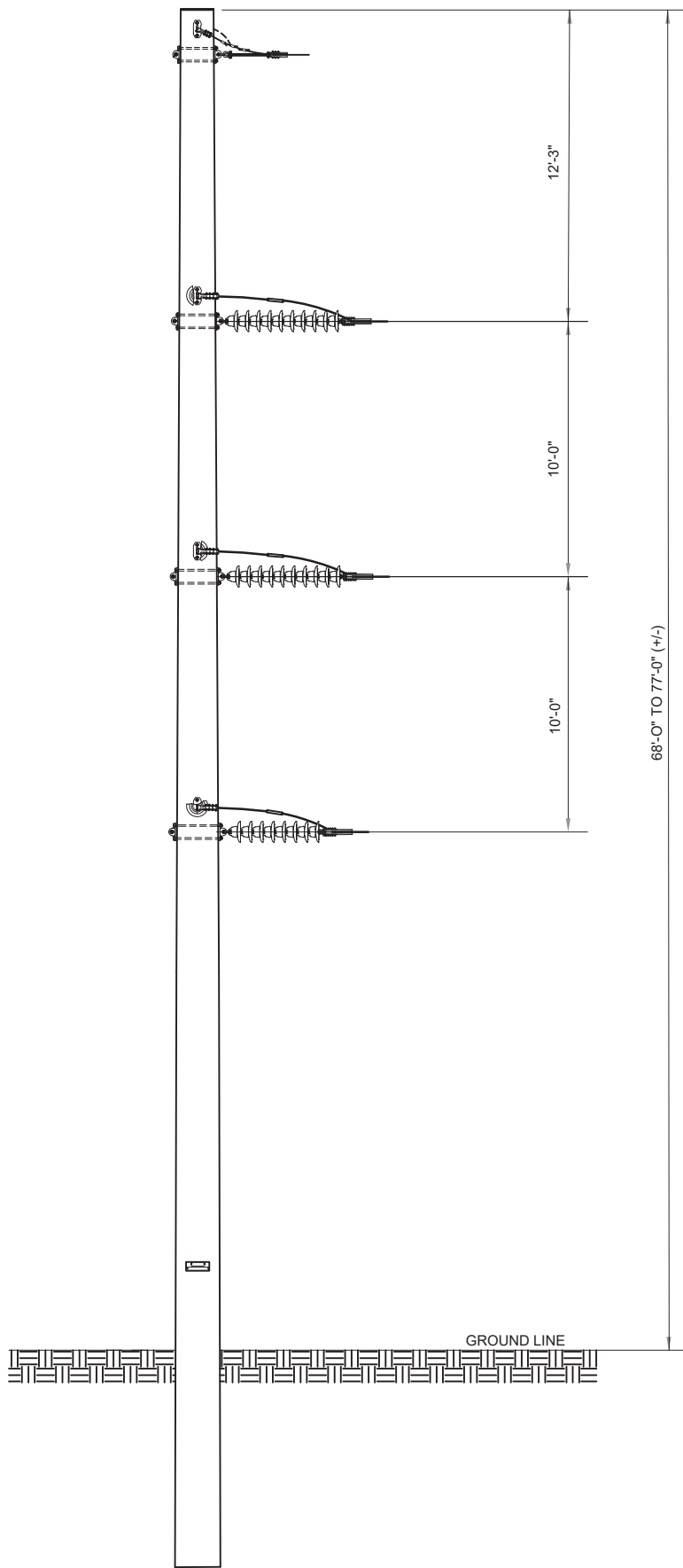
CHRYSLER-MACLEAN 138 kV TRANSMISSION LINE TAP TO
 FIRST SOLAR PGT-4 PROJECT - TEMPORARY BYPASS
 138kV SINGLE CIRCUIT WOOD POLE EQUIVALENT STEEL STRUCTURE
 SINGLE POLE - DEADEND ANGLE (0° TO 60°)



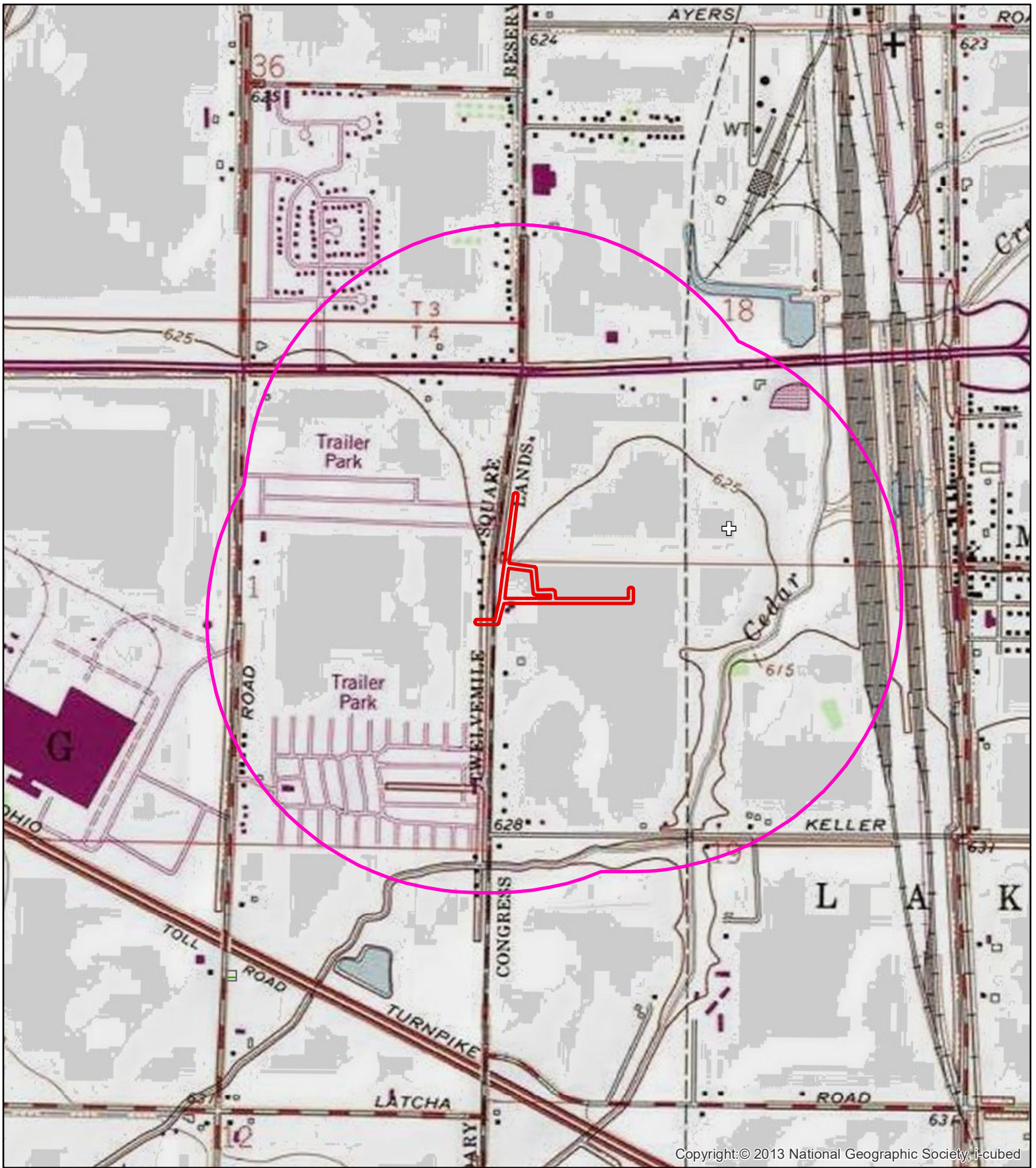
EXHIBIT 8

PAPER SIZE: 8.5X11

STRUCTURE#	HEIGHT ABOVE GRADE (FT)
16A28	77'-0"
16A29	77'-0"
16A30	68'-0"



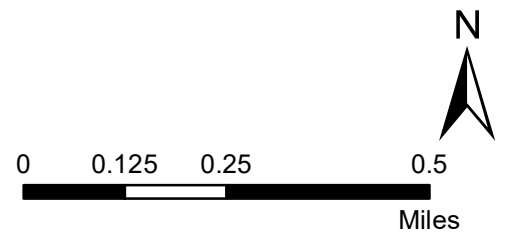
CHRYSLER-MACLEAN 138 kV TRANSMISSION LINE TAP TO
 FIRST SOLAR PGT-4 SUBSTATION PROJECT - TEMPORARY BYPASS
 138KV SINGLE CIRCUIT WOOD POLE EQUIVALENT STEEL STRUCTURE
 DEADEND VERTICAL, SINGLE POLE (60° TO 120°)



Copyright: © 2013 National Geographic Society, i-cubed

- Study Area
- 0.5 mile buffer
- + OGS Cemetery
- Previously Surveyed Areas

EXHIBIT 10



United States Department of the Interior**FISH AND WILDLIFE SERVICE**

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



September 7, 2023

Project Code: 2023-0124346

Dear Jenna 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 tri-colored 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,

A handwritten signature in blue ink that reads "Scott Hicks".

Scott Hicks
Acting Field Office Supervisor

Wood County State Listed Animal Species

Common Name	Scientific Name	Group	State Status	Federal Status
Blanchard's Cricket Frog	<i>Acris blanchardi</i>	Amphibian	Species of Concern	
Upland Sandpiper	<i>Bartramia longicauda</i>	Bird	Endangered	
Northern Harrier	<i>Circus hudsonius</i>	Bird	Endangered	
Least Bittern	<i>Ixobrychus exilis</i>	Bird	Threatened	
Loggerhead Shrike	<i>Lanius ludovicianus</i>	Bird	Endangered	
Virginia Rail	<i>Rallus limicola</i>	Bird	Species of Concern	
Skilllet Clubtail	<i>Gomphurus ventricosus</i>	Dragonfly	Endangered	
Western Banded Killifish	<i>Fundulus diaphanus menona</i>	Fish	Endangered	
Greater Redhorse	<i>Moxostoma valenciennesi</i>	Fish	Threatened	
Wavy-rayed Lampmussel	<i>Lampsilis fasciola</i>	Mollusk	Species of Concern	
Creek Heelsplitter	<i>Lasmigona compressa</i>	Mollusk	Species of Concern	
Black Sandshell	<i>Ligumia recta</i>	Mollusk	Species of Concern	
Threehorn Wartyback	<i>Obliquaria reflexa</i>	Mollusk	Species of Concern	
Deertoe	<i>Truncilla truncata</i>	Mollusk	Species of Concern	



Data from the Ohio Natural Heritage Database
 Species reported extant in county since 1980
 6/23/2023

Absence of a species on this list does not indicate absence from the county. The information contained in this list does not represent coordination with ODNR or fulfill NEPA or other federal/state requirements. All federally and/or state listed bat species have ranges that encompass the entire state and are not included on county lists. For further information on current listed species, please use the following link:

[State Listed Species | Ohio Department of Natural Resources \(ohiodnr.gov\)](https://ohiodnr.gov/natural-resources/species-listed)

Common Name	Scientific Name	Group	State Status	Federal Status
Kirtland's Snake	<i>Clonophis kirtlandii</i>	Reptile	Threatened	
Blanding's Turtle	<i>Emydoidea blandingii</i>	Reptile	Threatened	



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