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FILE

**AMERICAN TRANSMISSION SYSTEMS, INCORPORATED
 AND
 OHIO EDISON COMPANY,
 SUBSIDIARIES OF FIRSTENERGY CORP.**

LETTER OF NOTIFICATION

**HUNT 138 kV TRANSMISSION LINE
 EXTENSION TO V & M STAR STEEL**

OPSB CASE NO.: 09-1829-EL-BLN

November 30, 2009

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PUCO

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

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Technician Jim Date Processed DEC 02 2009

**LETTER OF NOTIFICATION
HUNT 138 kV TRANSMISSION LINE
EXTENSION TO V & M STAR STEEL**

The following information is being provided in accordance with the procedures delineated in Ohio Administrative Code Section 4906-11-01: Letter of Notification Requirements of the Rules and Regulations of the Ohio Power Siting Board.

4906-11-01 (B): General Information

4906-11-01 (B) (1) a : Name and Reference Number

Name of Project: Hunt 138 kV Transmission Line Extension to V & M Star Steel Project ("Project").

2009 LTFR Reference: This Project is not identified in FirstEnergy Corp.'s 2009 Electric Long-Term Forecast Report ("LTFR") submitted to the Public Utility Commission of Ohio in Case Number 09-0504-EL-FOR.

4906-11-01 (B) (1) b : Brief Description of Project

In this Project, American Transmission Systems, Incorporated ("ATSI") and the Ohio Edison Company ("Ohio Edison"), subsidiaries of FirstEnergy Corp., are proposing to install an approximately 1,600 feet long, radial transmission line extension of the existing Hunt 138 kV Transmission Line to a customer-owned new facility.

The new transmission line construction will extend from the existing Hunt 138 kV transmission supply line that connects to the existing V & M Star Steel Substation #1, to the new V & M Star Steel primary metering station, which is being installed on property located within the V & M Star Steel Plant approximately 1600 foot to the north. As a part of the project, nine (9) new poles will be installed for the transmission line extension.

ATSI owns the existing Hunt 138 kV transmission line and will own the extended transmission line, structures and associated hardware. Ohio Edison will own the last span of the transmission line into V & M Star Steel's primary metering station.

The Project area is located northwest of the intersection of US 422 and SR 711, in the City of Youngstown, Mahoning County, Ohio. The general location of the Project is shown in Exhibit 1, which is a partial copy of the United States Geologic Survey, Mahoning County Ohio Quad Map, ID number 41080-A6. Exhibit 2 shows the general layout of the proposed Project.

4906-11-01 (B) (1) c : Why the Project Meets the Requirements for a Letter of Notification

The Project meets the requirements for a Letter of Notification because the Project is within the types of project defined by Item (1)(e) of the Application Requirement Matrix for Electric Power Transmission Lines in Appendix A of 4906-1-01 of the Ohio Administrative Code. This item states:

(1) Rerouting or extension or new construction of single or multiple circuit electric power transmission line(s) as follows:

(e) Line(s) one hundred twenty-five kV and above, but less than three hundred kV, and greater than 0.2 miles in length.

The proposed Project includes installing approximately 1,600 feet (0.3 mile) of single-circuit 138 kV transmission line including the installation of nine (9) new poles.

4906-11-01 (B) (2): Need for the Project

The proposed Project is essential for supplying the increasing electric load of an existing customer. V & M Star Steel is an industrial customer that will require a substantial electrical load increase to operate a new rolling-mill in their facility.

Total estimated load consumption is 55 mVA. The Hunt 138 kV Transmission Line is the closest transmission line to the customer's facility, and will be extended to supply the customer's service at their new primary metering station.

4906-11-01 (B) (3): Location Relative to Existing or Proposed Lines

The location of the Project relative to existing or proposed transmission lines is shown in the FirstEnergy System Facilities map, included as the last page of Chapter 3 of the confidential portion of the FirstEnergy Corp. 2009 Long-Term Forecast Report submitted to the PUCO in case no. 09-504-EL-FOR under rules 4901:5-5:04 (C) of the Ohio Administrative Code. This map shows ATSI's 345 kV and 138 kV transmission lines and transmission substations, including the location of the Hunt 138 kV transmission line. The project area is located approximately 10 ½ inches (11 by 17 inch printed version) from the left edge of the map box and 6 inches (11 by 17 inch printed version) from the bottom of the map box. The general location of the Project is shown on Exhibit No. 1. The general layout of the Project is shown in Exhibit No. 2.

4906-11-01 (B) (4): Alternatives Considered

There were no other alternatives considered.

4906-11-01 (B) (5): Construction Schedule

Construction on the Project is expected to begin on approximately September 1, 2010 and is expected to be completed and placed in-service by November 30, 2010.

4906-11-01 (B) (6): Area Map

Exhibit No. 1 is a map depicting the general location of the project site. To locate and view the project site from the Columbus, Ohio area, travel north on Interstate 71 for approximately 100 miles. Take exit 209 to merge onto I-76 E/US-224 E toward Akron approximately 18.4 miles. Take the exit onto I-76 E towards Akron for approximately 1.7 miles. Take the exit onto I-76E / I-77S toward Akron and

continue for approximately 40.1 miles. Continue on I-80 E for approximately 4.5 miles. Then continue on I-680S for about 2.8 miles and take exit 3A to merge onto OH-711 E toward M L King Blvd for approximately 1.3 miles. Take the US-422 exit toward Youngstown/Girard for 0.3 miles and turn right at Martin Luther King Jr. Blvd / US-422 and arrive at 2669 Martin Luther King Jr. Blvd.

4906-11-01 (B) (7): Property Owner List

Property along the Project route is currently owned by the Cities of Girard and Youngstown and the State of Ohio. It is expected that the parcel of land owned by the City of Girard will be annexed by the City of Youngstown. Prior to beginning construction on the Project, easements for the transmission line right-of-way will be obtained from the City of Youngstown and the State of Ohio.

4906-11-01 (C): Technical Features of the Project

4906-11-01 (C) (1): Operating Characteristics

The new transmission line tap will be designed and constructed for 138 kV operation. The transmission line tap has the following characteristics:

Voltage:	138 kV
Conductor:	795 kcmil 26/7 ACSR
Ground Wire:	3#6 Alumoweld
Insulators:	Polymer Horizontal Post
Structure types:	Exhibit No. 3 – Double Circuit Tangent Structure Exhibit No. 4 – Tangent Dead End With Slack Span Structure Exhibit No. 5 – Corner Dead End With Slack Span Structure Exhibit No. 6 – Steel Pole Corner Dead Structure Exhibit No. 7 – Braced Post Laminate Tangent and Light Angle Structure

The proposed Project is expected to be located entirely on property owned by either the City of Youngstown or the State of Ohio, and new right-of-way will be required.

4906-11-01 (C) (2) a: Calculated Electric and Magnetic Fields

The following table itemizes the line loading of the transmission line tap being installed in the proposed Project. The normal line loading of 582 amps and emergency line loading of 582 amps is based on the maximum load to be served to the customer owned station. The winter rating is based on the continuous maximum conductor ratings (MCR) of the circuits for an ambient temperature of zero degrees centigrade (32 deg. F), wind speed of 1.3 miles per hour, and a circuit design operating temperature of 100 degrees centigrade (212 deg. F).

Line Name	Normal Loading Amps	Emergency Loading Amps	Winter Rating Amps
Hunt 138 kV Transmission Line to V & M Star Steel	582	582	1320

The following EMF calculations were performed using the EPRI EXPOCALC program software. This program software assumes the input transmission line configuration is located on flat terrain. Also, a balanced, three-phase circuit loading is assumed for the transmission circuits. The model utilizes the normal, emergency, and winter rating of the transmission line extension.

EMF CALCULATIONS		Electric Field kV/meter	Magnetic Field mGauss
Normal Loading	Under Lowest Conductors	2.10	57.44
	At Right-of-Way Edges	0.02 / 0.42	28.76 / 37.38
Emergency Loading	Under Lowest Conductors	2.10	57.44
	At Right-of-Way Edges	0.02 / 0.42	28.76 / 37.38
Winter Rating	Under Lowest Conductors	2.10	203.34
	At Right-of-Way Edges	0.02 / 0.42	74.68 / 126.33

4906-11-01 (C) (2) b: EMF Discussion

Background Information

Electric and magnetic fields (EMFs) are naturally occurring in the environment and can be found in the Earth's interior and in the human body. EMFs are generated essentially anywhere there is a flow of electricity, including electrical appliances and power equipment. Electric fields are associated with the voltage of the source; magnetic fields are associated with the flow of current in a wire. The strength of these fields decreases rapidly with distance from the source. EMFs associated with electricity use are not disruptive to cells like x-rays or ultraviolet rays from the sun. These fields are thought to be too weak to break molecules or chemical bonds in cells. Extensive research has been conducted over the past three decades to determine whether EMFs are associated with adverse health effects. A number of independent scientific panels have reviewed the research and have stated that there is no basis to conclude that EMFs cause adverse health effects nor has it been shown that levels in everyday life are harmful.

Recent Developments

As a part of the National Energy Policy Act of 1992, the Electric and Magnetic Fields Research and Public Information Dissemination (EMF RAPID) program was initiated within the five-year effort under the National EMF Research Program. The culmination of this five-year effort resulted in a final RAPID Working Group report, which was released for public review in August 1998. The Director of the National Institutes of Environmental Health Sciences (NIEHS) then prepared a final report to Congress after receiving public comments.

The NIEHS' Director's final report, released to Congress on May 4, 1999, concluded that extremely low frequency electric and magnetic fields (ELF-EMF) exposure cannot be recognized at this time as entirely safe because of weak scientific evidence that exposure may pose a leukemia hazard. The Director further stated that the conclusion of this report is insufficient to warrant aggressive regulatory concern.

Sources for Additional Information

The following websites sponsored by federal agencies or other organizations provide additional information on EMF:

- Centers for Disease Control/National Institute for Occupational Safety and Health: <http://www.cdc.gov/niosh/topics/emf/>
- National Institute of Environmental Health Sciences (NIEHS) EMF Rapid Program: <http://www.niehs.nih.gov/health/topics/agents/emf/>

4906-11-01 (C) (3): Estimated Costs

The estimated capital costs by FERC Accounts for the proposed Project are:

Account	Cost
350 Land Rights	\$ 2,000
355 Poles and Fixtures	\$594,000
356 Overhead Conductors & Devices	\$165,000
<u>Removal</u>	<u>\$ 0</u>
Total	\$761,000

The Project costs will be reimbursed by V & M Star Steel.

4906-11-01 (D): Socioeconomic Data

4906-11-01 (D) (1): Land Use

The Project area is located in an industrial area. Neighboring land use in the area of the proposed Project is industrial. Based on the U.S. Bureau of Census estimates, the 2000 population of the City of Youngstown was 73,818, and Mahoning County was 257,555, and the City of Girard was 10,902 and Trumbull County, Ohio was 225,116.

4906-11-01 (D) (2): Agricultural Land

The placement of the new structures and guying will not impact agricultural land use. There will be no structures in agricultural land.

4906-11-01 (D) (3): Archaeological or Cultural Resources

As part of ATSI's investigation of the project site, a search of the Ohio Historic Preservation Office (OHPO) National Register of Historic Places on-line database was conducted. This search did not identify the existence of any historic sites within the project area. Properties in the OHPO database include all Ohio listings on the National Register of Historic Places as well as districts, sites, buildings, structures, and objects that are significant in American history, architecture, archeology, engineering, and culture.

4906-11-01 (D) (4) a : Documentation of Letter of Notification Transmittal

This Letter of Notification is being provided concurrently to the following officials of the City of Youngstown, Mahoning County, and the City of Girard, Trumbull County, Ohio.

Mahoning County

The Honorable David Ludt
Mahoning County Commissioner
21 W. Boardman Street
Second Floor
Youngstown, OH 44503

Mr. Richard A. Marsico, P.E., P.S.
Mahoning County Engineer
940 Bears Den Road
Youngstown, OH 44512

The Honorable John McNally
Mahoning County Commissioner
21 W. Boardman Street
Second Floor
Youngstown, OH 44503

Michael O'Shaughnessy
Director, Planning Commission
50 Westchester Drive, Suite 203
Youngstown, OH 44515

The Honorable Anthony Traficanti
Mahoning County Commissioner
21 W. Boardman Street
Second Floor
Youngstown, OH 44503

City of Youngstown

The Honorable Jay Williams
Mayor, City of Youngstown
6th Floor, City Hall
26 South Phelps Street
Youngstown, OH 44503

Chuck Shasho
City Engineer, City of Youngstown
5th Floor, City Hall
26 South Phelps Street
Youngstown, OH 44503

The Honorable Chuck Sammarone
President of Council, City of Youngstown
6th Floor, City Hall
26 South Phelps Street
Youngstown, OH 44503

Valencia Y. Marrow
Clerk of Council, City of Youngstown
6th Floor, City Hall
26 South Phelps Street
Youngstown, OH 44503

Trumbull County

The Honorable Paul E. Heltzel
Trumbull County Commissioner
160 High St.
Warren, OH 44481

David DeChristofaro, P.E., P.S.
Trumbull County Engineer
650 North River Rd. NW
Warren, OH 44483

The Honorable Daniel E. Polivka
Trumbull County Commissioner
160 High St.
Warren, OH 44481

Bill Miller
Director, Planning Commission
347 North Park Avenue
Warren, OH 44481

The Honorable Frank S. Fuda
Trumbull County Commissioner
160 High St.
Warren, OH 44481

City of Girard

The Honorable James L. Melfi
Mayor, City of Girard
City Hall
100 W. Main Street
Girard, OH 44420

The Honorable Reynold Paolone
President of Council, City of Girard
City Hall
100 W. Main Street
Girard, OH 44420

George Finelli
Chair, Planning Commission
City of Girard
365 Beaver
Girard, OH 44420

David Hall
City Engineer, City of Girard
100 W. Main Street
Girard, OH 44420

Copies of the transmittal letters to these officials have been included with the transmittal letter submitting this Letter of Notification to the Ohio Power Siting Board.

4906-11-01 (D) (4) b: Public Information Program

Ohio Edison's Manager of External Affairs will advise local officials of features and the status of the proposed transmission line Project as necessary.

4906-11-01 (D) (5): Current or Pending Litigation

There is no known current or pending litigation involving this Project.

4906-11-01 (D) (6): Local, State, and Federal Requirements

There are no known local, state, or federal requirements that must be met prior to commencement of construction on the proposed transmission line Project.

4906-11-01 (E): Environmental Data

4906-11-01 (E) (1): Endangered, Threatened, and Rare Species Investigation

The Project will not adversely affect federal or state designated species. Pursuant to a July 6, 2009 letter from the Ohio Department of Natural Resources, there are no records of rare or endangered species within a one mile radius of the Project. The July 6, 2009 letter from the Ohio Department of Natural Resources is attached as Exhibit 8.

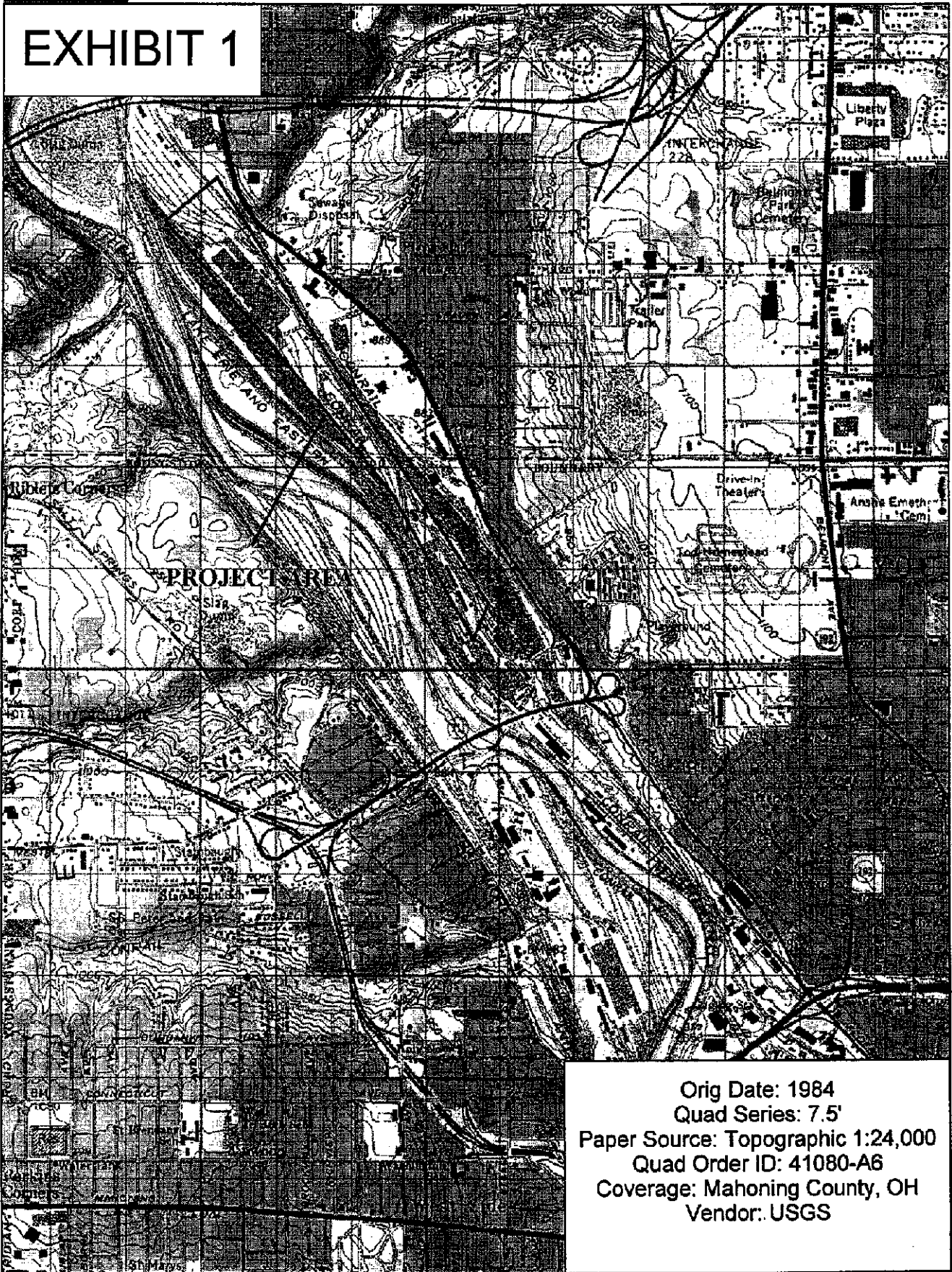
4906-11-01 (E) (2): Areas of Ecological Concern

A National Environmental Policy Act (“NEPA”) Report (“NEPA Report”) produced for the V & M Project on this site discusses areas of ecological concern for this Project. The NEPA Report references correspondence with the United States Fish and Wildlife Service regarding the presences of potential habitat of the Indiana Bat in the Project area. The NEPA Report indicates that approximately 9 trees that would provide Indiana Bat habitat will be removed by the V & M Star Tomahawk Expansion Project. If any of these potential Indiana Bat habitat trees are located along the route of the transmission line, in order to avoid impact to the Indiana Bat during the construction of the transmission line, they will be removed in the October through March period.

4906-11-01 (E) (3): Additional Information

Construction and operation of the proposed Project will be in accordance with the requirements specified in the latest revision of the NESC as adopted by the PUCO and will meet all applicable safety standards established by OSHA.

EXHIBIT 1

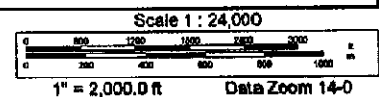


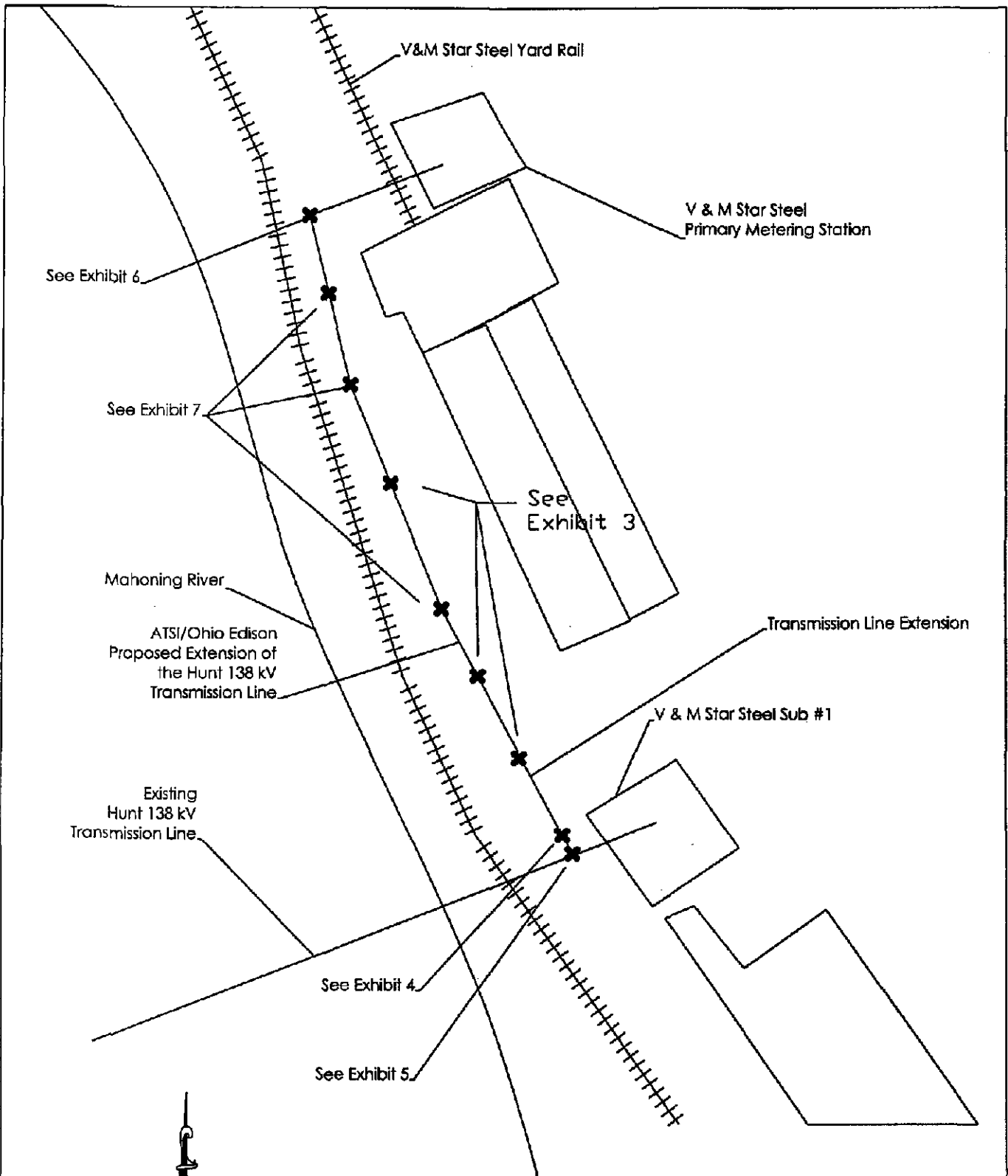
Orig Date: 1984
 Quad Series: 7.5'
 Paper Source: Topographic 1:24,000
 Quad Order ID: 41080-A6
 Coverage: Mahoning County, OH
 Vendor: USGS

Data use subject to license.

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www.delorme.com





See Exhibit 6

See Exhibit 7

See Exhibit 3

Mahoning River

ATSI/Ohio Edison
Proposed Extension of
the Hunt 138 kV
Transmission Line

Transmission Line Extension

Existing
Hunt 138 kV
Transmission Line

V & M Star Steel Sub #1

See Exhibit 4

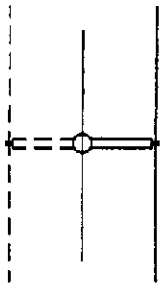
See Exhibit 5



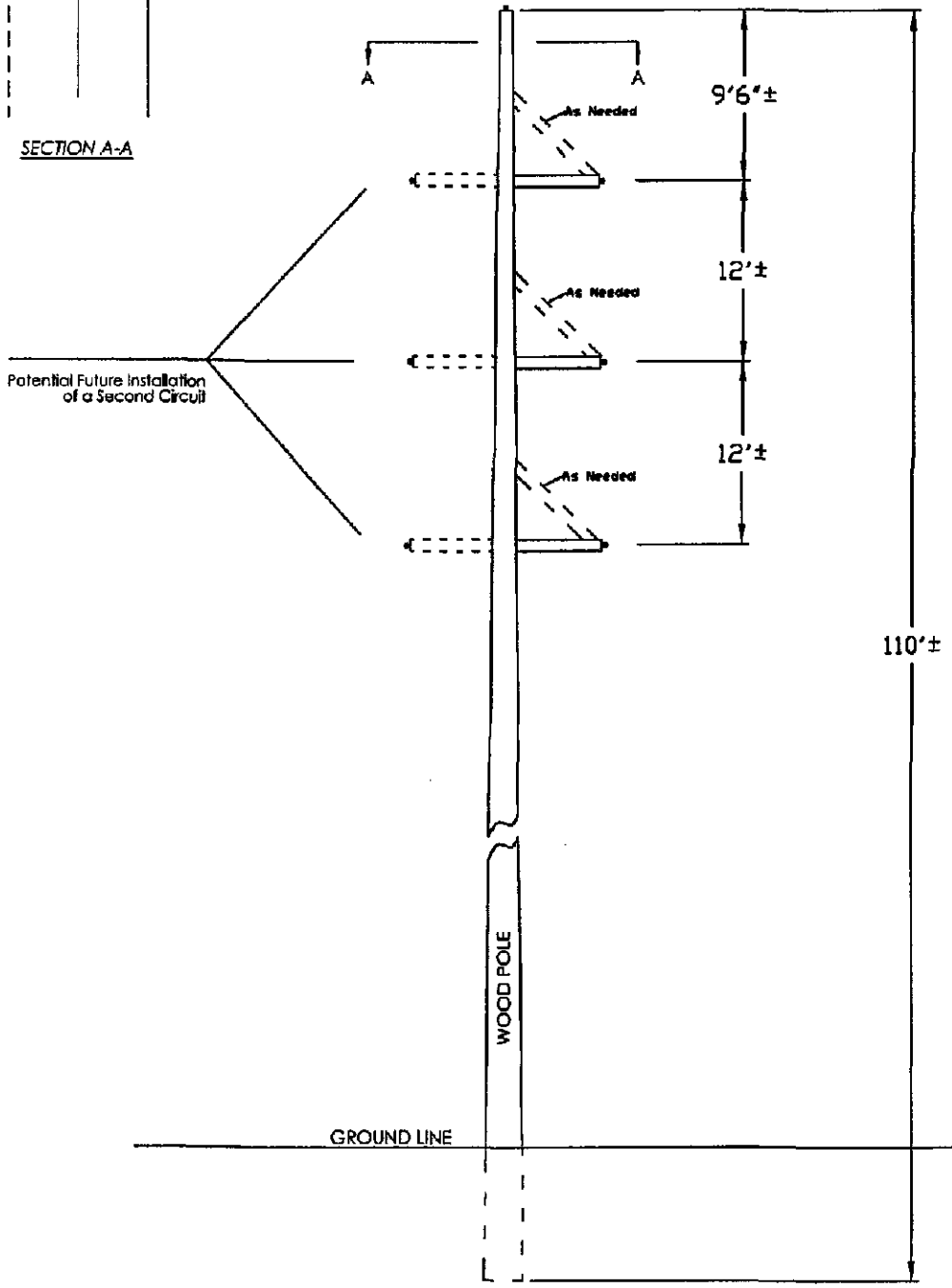
City of Youngstown
Mahoning County, Ohio

<p>ATSI.</p>	<p>Ohio Edison</p>
<p><small>American Transmission Systems, Inc. a subsidiary of FirstEnergy Corp.</small></p>	<p><small>A FirstEnergy Company</small></p>
<p>HUNT 138 kV TRANSMISSION LINE EXTENSION TO V & M STEEL GENERAL LAYOUT</p>	
<p>EXHIBIT 2</p>	

**Not to Scale

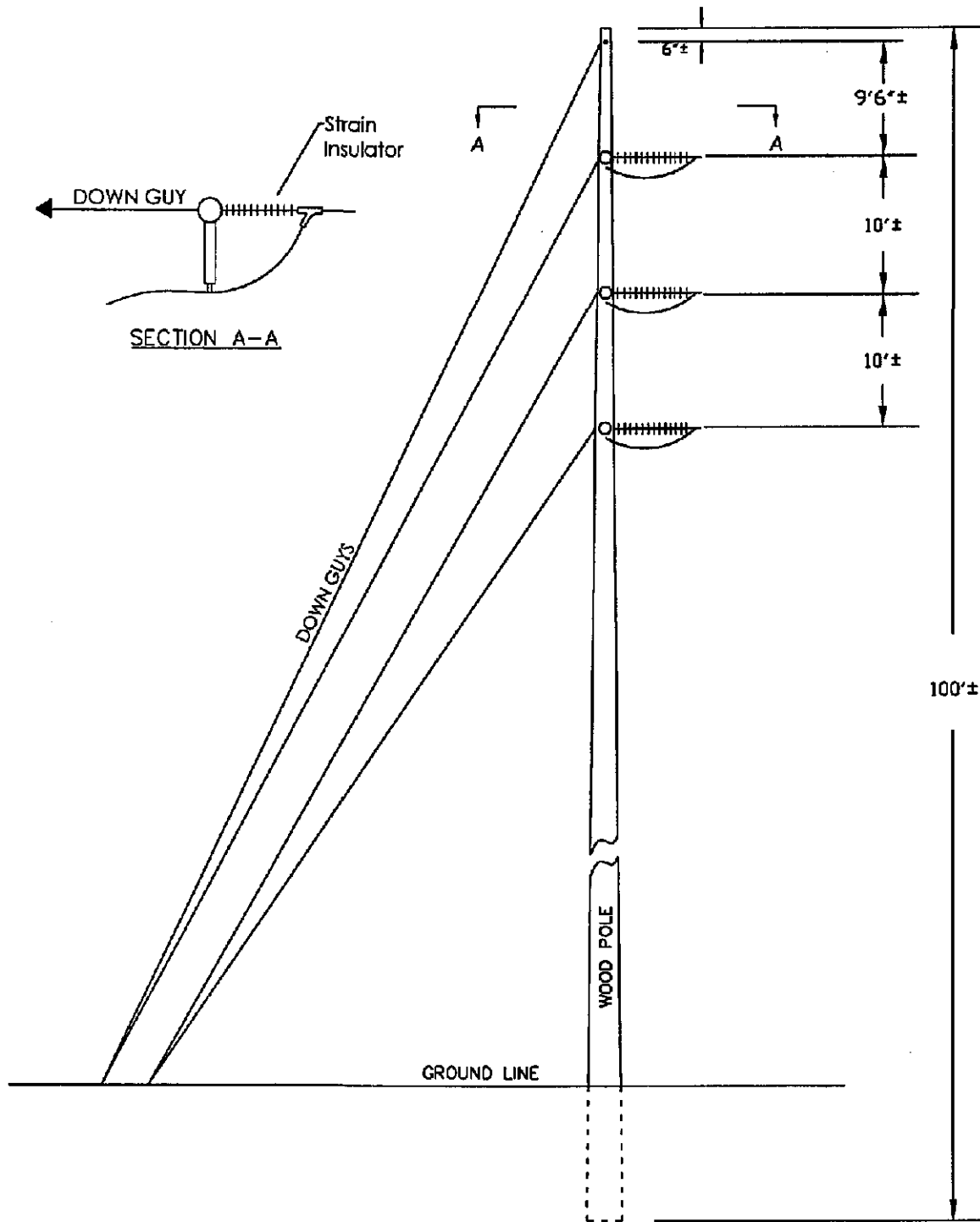


SECTION A-A



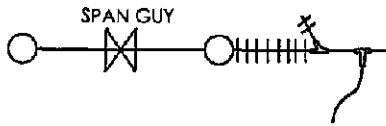
ATSI.	Ohio Edison
<small>American Transmission Systems, Inc. a subsidiary of FirstEnergy Corp.</small>	<small>A FirstEnergy Company</small>
HUNT 138 KV TRANSMISSION LINE TAP TO V & M STAR STEEL DOUBLE CIRCUIT TANGENT STRUCTURE	
EXHIBIT 3	

*** NOT TO SCALE

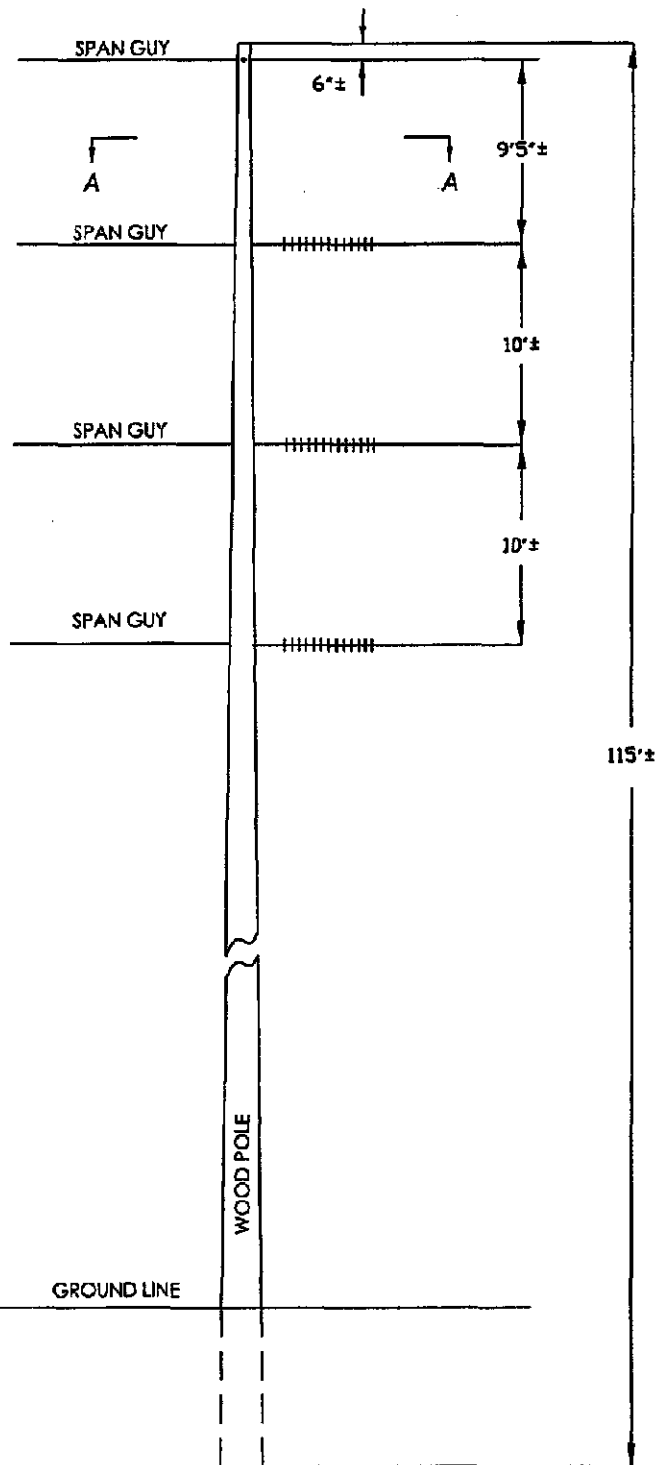


** NOT TO SCALE

ATSI.	Ohio Edison
<small>American Transmission Systems, Inc. www.amtrans.com</small>	<small>A FirstEnergy Company</small>
HUNT 138 KV TRANSMISSION LINE TAP TO V & M STAR STEEL TANGENT DEAD END WITH SLACK SPAN STRUCTURE	
EXHIBIT 4	



SECTION A-A



ATSI.

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

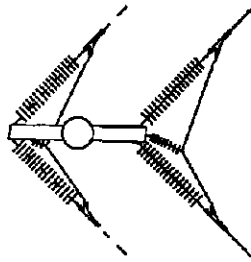
Ohio Edison

A FirstEnergy Company

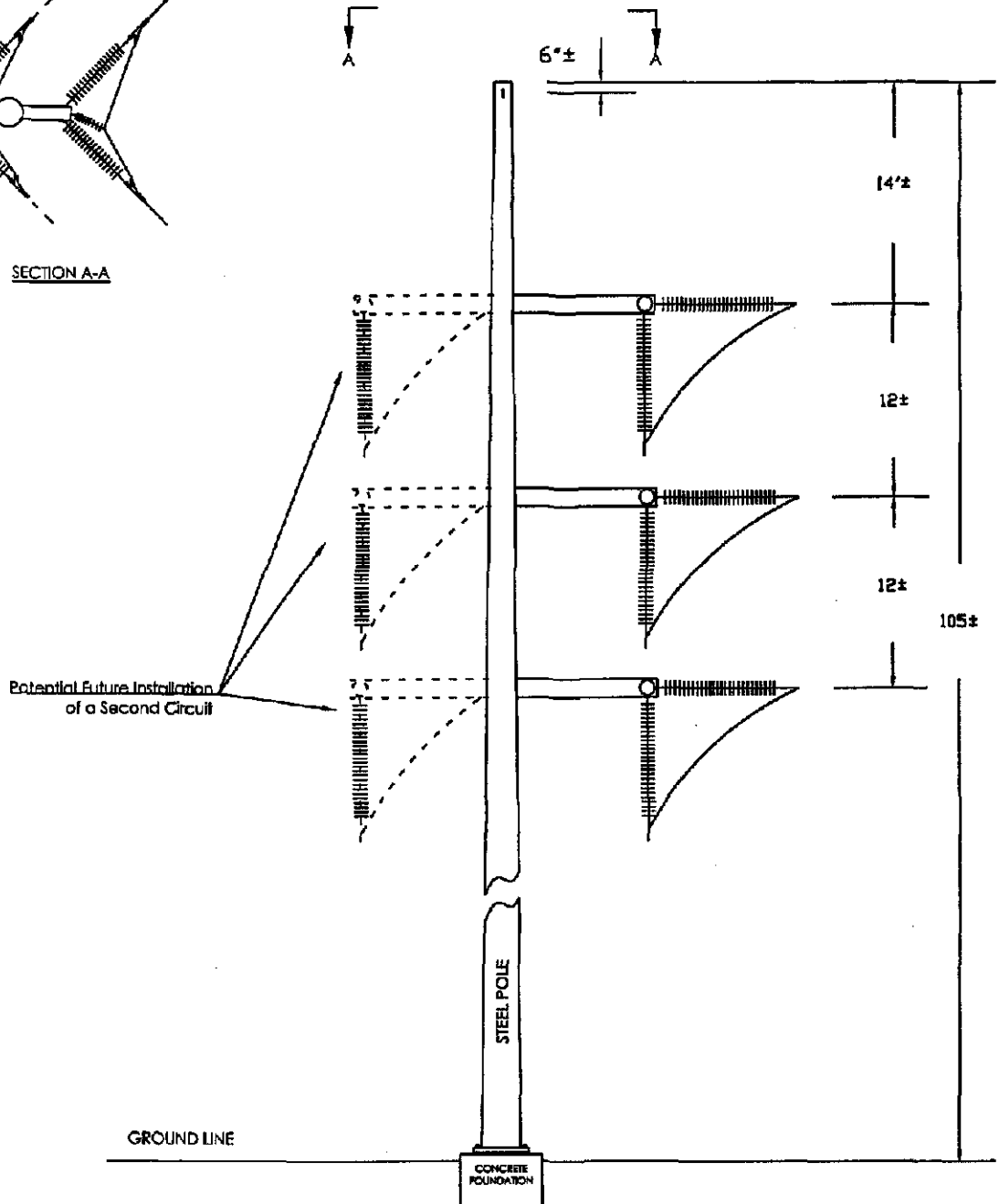
HUNT 138 KV TRANSMISSION LINE TAP
TO V & M STAR STEEL
CORNER DEAD END WITH SLACK SPAN STRUCTURE

EXHIBIT 5

** NOT TO SCALE



SECTION A-A



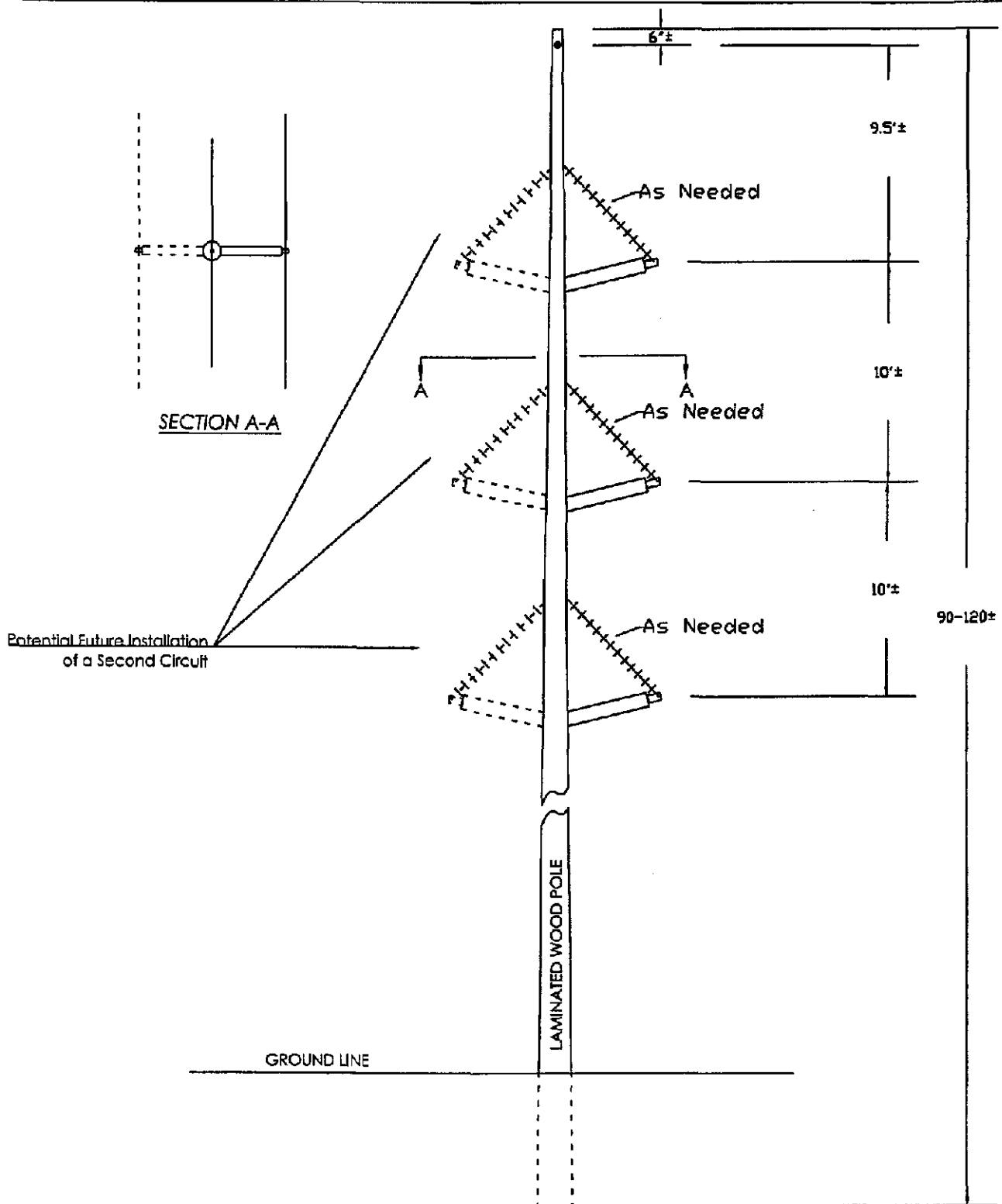
ATSI.
 American Transmission Systems, Inc.
 a subsidiary of FirstEnergy Corp.

Ohio Edison
 A FirstEnergy Company

HUNT 138 kV TRANSMISSION LINE TAP
 TO V & M STEEL
 STEEL POLE CORNER DEAD END

EXHIBIT 6

** NOT TO SCALE



<p>ATSI. American Transmission Systems, Inc. <small>A member of FirstEnergy Group</small></p>	<p>Ohio Edison A FirstEnergy Company</p>
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HUNT 138 kV TRANSMISSION LINE TAP
TO V & M STAR STEEL
BRACED POST TANGENT AND LIGHT ANGLE LAMINATE STRUCTURE

** NOT TO SCALE

EXHIBIT 7



Ohio Department of Natural Resources

TED STRICKLAND, GOVERNOR

SEAN D. LOGAN, DIRECTOR

Division of Natural Areas and Preserves
 Steven D. Maurer, Chief
 2045 Morse Rd., Bldg. F-1
 Columbus, OH 43228-6693
 Phone: (614) 265-8453; Fax: (614) 267-3096

July 6, 2009

William Malson
 MS Consultants, Inc.
 4450 Belden Village St. NW, Suite 801
 Canton, OH 44718

Dear Mr. Malson:

After reviewing our Natural Heritage maps and files, I find the Division of Natural Areas and Preserves has no records of rare or endangered species in the Brier Hill Industrial Park project area, including a one mile radius, between I-80 and just south of State Route 711 in Girard, Trumbull County and Youngstown, Mahoning County, and on the Girard and Youngstown Quads (PID 86378).

There are no state nature preserves or scenic rivers at the project site. We are also unaware of any unique ecological sites, geologic features, animal assemblages, state parks, state forests or state wildlife areas within a one mile radius of the project area.

Our inventory program has not completely surveyed Ohio and relies on information supplied by many individuals and organizations. Therefore, a lack of records for any particular area is not a statement that rare species or unique features are absent from that area. Although we inventory all types of plant communities, we only maintain records on the highest quality areas.

Please contact me at 614-265-8818 if I can be of further assistance.

Sincerely,

Debbie Woischke, Ecological Analyst
 Natural Heritage Program

