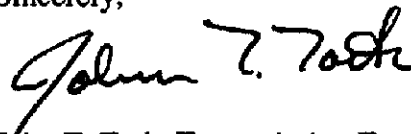


- b) Name of proposed facilities: Carlisle-Lorain 138 kV Transmission Line Tap To National Bronze's West River Road Substation
- c) Location of proposed facilities: The project is located near the intersection of East River Road and Detroit Road in Sheffield Village, Lorain County, Ohio.
- d) Description of proposed facilities: The Project involves installing an approximately 3,700 feet (0.70 mile) long single circuit radial 138 kV transmission line tap, with two switches, from ATSI's existing Carlisle-Lorain 138 kV transmission line to a new substation being installed at National Bronze Plant in Sheffield Village, Ohio.
- e) Applicant's representative: John T. Toth, Transmission Engineer
Energy Delivery Technical Services
FirstEnergy Service Company
76 South Main Street
Akron, OH 44308-1890

After docketing this filing, please return one time-stamped copy of the Letter of Notification for our records to us in the enclosed envelope. We have provided a copy of this Letter of Notification by certified mail, with return receipt requested, to each official of the political subdivisions immediately affected by the proposed project as listed in the attached Exhibit 1. Copies of the transmittal letters addressed to the local government representatives of Sheffield Village, Sheffield Township, and Lorain County are enclosed for your file.

Should the Ohio Power Siting Board desire further information or discussion of this submittal, please contact me at (330) 384-4564.

Sincerely,



John T. Toth, Transmission Engineer
Energy Delivery Technical Services
FirstEnergy Service Company

Attachments

**EXHIBIT 1: OFFICIALS SERVED COPY OF LON
Carlisle-Lorain 138 kV Transmission Line Tap To
National Bronze's West River Road Substation
Case No. 08- -EL-BLN**

Lorain County

The Honorable Lori Kokoski
Lorain County Commissioner
226 Middle Avenue
Elyria, Ohio 44035

Mr. James R. Cordes
County Administrator
226 Middle Avenue
Elyria, Ohio 44035

The Honorable Betty C. Blair
Lorain County Commissioner
226 Middle Avenue
Elyria, Ohio 44035

Mr. Kenneth P. Carney, P.E., P.S.
Lorain County Engineer
247 Hadaway Court
Elyria, Ohio 44035

The Honorable Ted Kalo
Lorain County Commissioner
226 Middle Avenue
Elyria, Ohio 44035

Mr. Ronald F. Twining, Director
Lorain County Community Development
226 Middle Avenue
Elyria, Ohio 44035

Ms. Theresa L. Upton
Clerk Board of Commissioners
226 Middle Avenue
Elyria, Ohio 44035

Mr. James D. Martin, Director
Lorain County Metroparks
12882 Diagonal Road
LaGrange, Ohio 44050-9788

Sheffield Township (Lorain County)

Ms. Patricia F. Echko
Fiscal Officer, Sheffield Township
5166 Clinton Avenue
Lorain, Ohio 44055

Mr. Chad Parsons
Trustee, Sheffield Township
5166 Clinton Avenue
Lorain, Ohio 44055

Mr. Timothy S. Mihalcik
Trustee, Sheffield Township
5166 Clinton Avenue
Lorain, Ohio 44055

Mr. David M. Newsome
Trustee, Sheffield Township
5166 Clinton Avenue
Lorain, Ohio 44055

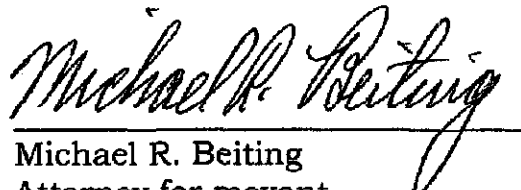
Sheffield Village (Lorain County)

The Honorable John D. Hunter
Mayor, Sheffield Village
4340 Colorado Avenue
Sheffield Village, 44054

Mr. Leo Sheets
President of Council Pro-Tempore,
Sheffield Village
4340 Colorado Avenue
Sheffield Village, 44054

CERTIFICATE OF SERVICE

This is to certify that a copy of the foregoing Motion for Waiver of Notice Requirements for Letter of Notification was served by regular U.S. Mail, postage prepaid, upon Mr. Klaus Lambeck and Mr. Duane W. Luckey, the Public Utilities Commission of Ohio, 180 East Broad Street, Columbus, OH 43266-0573 this 23d day of July, 2008


Michael R. Beiting
Attorney for movant

RECEIVED-DOCKETING DIV
2008 JUL 30 AM 10:15
PUCO

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

LETTER OF NOTIFICATION

**CARLISLE-LORAIN 138 kV TRANSMISSION LINE TAP
TO NATIONAL BRONZE'S
WEST RIVER ROAD SUBSTATION**

OPSB CASE NO.: 08- 919 -EL-BLN

July 30, 2008

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

**LETTER OF NOTIFICATION
CARLISLE-LORAIN 138 kV TRANSMISSION LINE TAP TO
NATIONAL BRONZE'S WEST RIVER ROAD SUBSTATION**

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 (A) (1): a. Name and Reference Number

Name of Project: Carlisle-Lorain 138 kV Transmission Line Tap to National Bronze's West River Road Substation Project ("Project")

2008 LTFR Reference: This Project is not identified in FirstEnergy Corp.'s 2008 Electric Long-Term Forecast Report ("LTFR") submitted to the Public Utility Commission of Ohio in Case Number 08-0504-EL-FOR.

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

In the Carlisle-Lorain 138 kV Transmission Line Tap to National Bronze's West River Road Substation Project, American Transmission Systems, Incorporated ("ATSI") and Ohio Edison Company ("OE"), subsidiaries of FirstEnergy Corp., are proposing to install an approximately 3,700 feet (0.70 mile) long, single circuit radial transmission line tap. The transmission line tap will extend from the existing Carlisle-Lorain 138 kV transmission line to a new substation being installed at National Bronze's Sheffield Township, Ohio facility. The project will also install two (2) new structures nearby in the existing transmission line. The Project is located near the intersection of West River Road and Detroit Road in the Sheffield Village, Lorain County, Ohio.

The general location of the Project is shown in Exhibit 1, which is a partial compiled copy of the United States Geologic Survey, Lorain County, Ohio Quad Maps, ID number 41082-D1. Exhibit 2 shows the general arrangement of the proposed Project. The existing Carlisle-Lorain 138 kV transmission line trends southwest to northeast in the Project area. It is located in the same corridor with the Avon-Beaver #1 345 kV, built on steel lattice towers, and the Avon-Beaver #2 345 kV, located on steel poles in the project area.

The proposed Carlisle-Lorain 138 kV Transmission Line Tap to National Bronze's West River Road Substation begins at the Carlisle-Lorain 138 kV transmission line within an existing transmission line corridor approximately 1,475 feet east of East River Road and approximately 1,800 feet south of Detroit Road. From the tap point, location shown in Exhibit 2 and the structure is shown in Exhibit 3, the transmission line tap will trend to the northwest for approximately 70 feet, at which point the transmission line tap will be installed on the open arm side of the steel poles that support the Avon-Beaver #2 345 kV transmission line, structure is shown in Exhibit 4, and will trend to the west for approximately 2,565 feet (0.49 miles). The transmission line tap will then leave the steel poles of the Avon-Beaver #2 345 kV transmission line, and will continue to the west for approximately 850 feet (0.16 mile), on wood poles, shown in Exhibits 5 and 6. The transmission line tap's static wire will continue over the top of National Bronze's West River Road substation to a stub pole, shown in Exhibit 7. The Project will also install two switch structures within the existing Carlisle-Lorain 138 kV transmission line, as shown in Exhibit 8, for the tap. The switch locations are shown in Exhibit 9. One switch, the southern switch, will be located five (5) structures to the south of the tap point, along the north side of Detroit Road, approximately 1,300 feet (0.25 mile) east of the intersection of East River Road and Detroit Road. A second switch, the northern switch, will be located sixteen (16) structures to the north of the tap point, this is approximately 5,280 feet (1.0 mile) north of the tap point, and is located between Preservation Boulevard on the west and I-90 on the east in the existing transmission corridor.

The right-of-way for the Project has been obtained. ATSI owns the existing Carlisle-Lorain 138 kV transmission line and will own the new switch structures and hardware at the tap location. Ohio Edison will own the transmission line tap extending to National Bronze's West River Road Substation. The new West River Road Substation will be owned by the National Bronze Company.

4906-11-01 (A) (1): c. Need for the Project

The proposed Project is needed to supply electrical energy to the new National Bronze West River Road Substation. The new substation is needed because the expected load of the National Bronze plant is beyond the capacity of Ohio Edison's local electric distribution system.

4906-11-01 (A) (1): d. 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 Items (1)(c) and (4)(a) 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:

(c) Line(s) one hundred twenty-five kiloVolts and above but less than three hundred kilovolts, and not greater than two miles in length.

(4) Replacing electric power transmission line structure(s) with a different type of structure(s) within an existing electric power transmission line and:

(a) Two miles or less of new right-of-way required.

The proposed Project is an approximately 3,700 feet (0.70 mile) long single-circuit 138 kV transmission line tap, and includes adding two (2) new switch poles in the existing transmission line.

4906-11-01 (A) (2): Location Relative to Existing or Proposed Lines

The location of the Project relative to ATSI's existing transmission system is shown in the FirstEnergy Geographic – West (CEI, OE, PP, TE) Map, included as the last map in Chapter 3 of the confidential portion of FirstEnergy's 2008 Electric Long-Term Forecast Report submitted to the PUCO under rules 4901:5-5:04 (C) of the Ohio Administrative Code, and is incorporated by reference only. This map shows ATSI's 345 kV and 138 kV transmission lines and transmission substations, including the location of the Carlisle-Lorain 138 kV transmission line. The Project area is located on Map 4 (8-1/2 by 11 inch printed version) approximately 7-7/8 inches from the right edge of the map box and 7-3/16 inches from the bottom edge of the map box. The general location of the Project is shown in Exhibit 1, which is a partial compiled copy of the United States Geologic Survey, Lorain County, Ohio Quad Maps, ID number 41082-D1. Exhibit 2 shows the general arrangement of the proposed Project. The details of the new transmission line structures are shown on Exhibits 3 to 8.

4906-11-01 (A) (3): Alternatives Considered

No other significant alternatives to the proposed Project have been identified. The proposed Project minimizes adverse environmental impacts as well as impacts to nearby residential and agricultural areas to the extent possible, considering the state of available technology and the nature and economics of the various alternatives.

4906-11-01 (A) (4): Construction Schedule

Construction on the Project is expected to begin on approximately October 1, 2008 and is expected to be completed and placed in-service by November 26, 2008.

OAC Section 4906-5-5-02 (A)(1) states that a letter of notification shall be filed not less than ninety days before planned commencement of construction. As construction of the proposed Project is proposed to start in less than the required ninety days, a

request to waive the requirements of OAC Section 4906-5-5-02 (A)(1) is being submitted to the Ohio Power Siting Board with this Letter of Notification.

4906-11-01 (A) (5): 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. Exit Interstate 71 at exit 204 onto State Route 83 for approximately 18.8 miles. Turn left (west) onto State Route 57 for approximately 6.5 miles. Follow State Route 301 for approximately 6.7 miles to State Route 254. Follow State Route 254 to the west for approximately 1.1 miles. Turn north on West River Road for approximately 0.3 miles to arrive at project site.

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

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

The new transmission line tap, similar to the existing Carlisle-Lorain 138 kV transmission line, will be designed and constructed for 138 kV operation. The transmission line tap has the following characteristics:

Voltage:	138 kV
Conductor:	336.4 kcmil 26/7 ACSR
Static wire:	3 #6 Alumoweld
Insulators:	Polymer Dead-end and Horizontal Post
Structure types:	Exhibit No. 3 – Tap Pole Exhibit No. 4 – Steel Pole Exhibit No. 5 – Angle Poles Exhibit No. 6 – Dead End Structures Exhibit No. 7 – Stub Pole Exhibit No. 8 – Switch Structure

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

The following table itemizes the line loading of the transmission line tap. The normal line loading is based on the normal load to be served from National Bronze's West River Road Substation. The emergency loading is based on the emergency load rating of the National Bronze's West River Road Substation 138/12.47 kV transformer. 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
Carlisle-Lorain 138 kV Transmission Line Tap to National Bronze's West River Road Substation	100	453	1100

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 conductor arrangement modeled for the transmission line tap is based on the conductor arrangement at the typical tangent poles, shown in Exhibit 3, with a minimum assumed ground clearance of 24 feet in a 200 foot wide right-of-way. Effects from the existing transmission lines and substation facilities are included in the model.

EMF CALCULATIONS		Electric Field kV/meter	Magnetic Field mGauss
Normal Loading	Under Lowest Conductors	4.614	25.75
	At Right-of-Way Edges	0.345	10.58
Emergency Loading	Under Lowest Conductors	4.614	58.00
	At Right-of-Way Edges	0.345	20.05
Winter Rating	Under Lowest Conductors	4.614	411.14
	At Right-of-Way Edges	0.345	169.79

4906-11-01 (B) (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 EMF's 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. The

results of more recent studies continue to provide varied results and have not significantly advanced or eliminated EMF related health concerns.

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/emfrapid/home.htm>

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

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

Account	Cost
350 Land Rights	\$ 30,000
355 Poles and Fixtures	\$340,000
356 Overhead Conductors & Devices	\$ 70,000
Total	\$440,000

4906-11-01 C: Socioeconomic Data

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

The Project area is located in a field within an existing transmission line corridor adjacent to agricultural land use. Neighboring land use in the area of the proposed Project includes residential and light industrial. Based on the U.S. Bureau of Census estimates, the 2000 population of the Village of Sheffield was 2,949; the 2000 population of Sheffield Township was 4,117; the 2000 population of Lorain County was 284,664.

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

The Project is located in a field within an existing transmission line corridor. The placement of the new structures and guying will not impact agricultural land use.

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

This Letter of Notification is being provided concurrently to the following officials of Sheffield Township, Sheffield Village, and Lorain County, Ohio.

Lorain County

Mr. Kenneth P. Carney, P.E., P.S.
Lorain County Engineer
247 Hadaway Court
Elyria, Ohio 44035

Ms. Theresa L. Upton
Clerk, Board of Commissioners
226 Middle Avenue
Elyria, Ohio 44035

The Honorable Betty C. Blair
Lorain County Commissioner
226 Middle Avenue
Elyria, Ohio 44035

The Honorable Lori Kokoski
Lorain County Commissioner
226 Middle Avenue
Elyria, Ohio 44035

The Honorable Ted Kalo
Lorain County Commissioner
226 Middle Avenue
Elyria, Ohio 44035

Mr. James R. Cordes
County Administrator
226 Middle Avenue
Elyria, Ohio 44035

Mr. Ronald F. Twining, Director
Lorain County Community
Development
226 Middle Avenue
Elyria, Ohio 44035

Mr. James D. Martin
Director, Lorain County
Metroparks
12882 Diagonal Road
LaGrange, OH. 44050

Sheffield Township (Lorain County)

Ms. Patricia F. Echko
Fiscal Officer, Sheffield Township
5166 Clinton Avenue
Lorain, Ohio 44055

Mr. Chad Parsons
Trustee, Sheffield Township
5166 Clinton Avenue
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Mr. Timothy S. Mihalcik
Trustee, Sheffield Township
5166 Clinton Avenue
Lorain, Ohio 44055

Mr. David M. Newsome
Trustee, Sheffield Township
5166 Clinton Avenue
Lorain, Ohio 44055

Sheffield Village (Lorain County)

The Honorable John D. Hunter
Mayor, Sheffield Village
4340 Colorado Avenue
Sheffield Village, 44054

Mr. Leo Sheets
President of Council Pro-Tempore,
Sheffield Village
4340 Colorado Avenue
Sheffield Village, 44054

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 (C) (4) (b): Public Information Program

FirstEnergy's Area Manager will advise local officials of features and the status of the proposed transmission line Project as necessary.

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

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

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

Coverage under U.S. Army Corp of Engineers Nationwide 12 permit, a federal requirement, must be met prior to commencement of construction on the proposed transmission line Project. There are no known other local or state requirements that must be met prior to commencement of construction.

4906-11-01 (D): Environmental Data

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

As part of our investigation, a written request was made with the Ohio Department of Natural Resources (ODNR) on May 30, 2008 to research the presence of any endangered, threatened, or rare species within the project area. The ODNR's response of June 2, 2008, attached as Exhibit No. 10, indicated that there are three (3) potentially threatened species located within one mile of the project area, but none in the footprint of the project. The ODNR's response also indicated that the Lorain Counties Metro Park District Black River Reservation is within the project footprint; however no significant impact is anticipated as the proposed transmission line tap will cross the Lorain Counties Metro Park District Black River Reservation on existing structures.

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

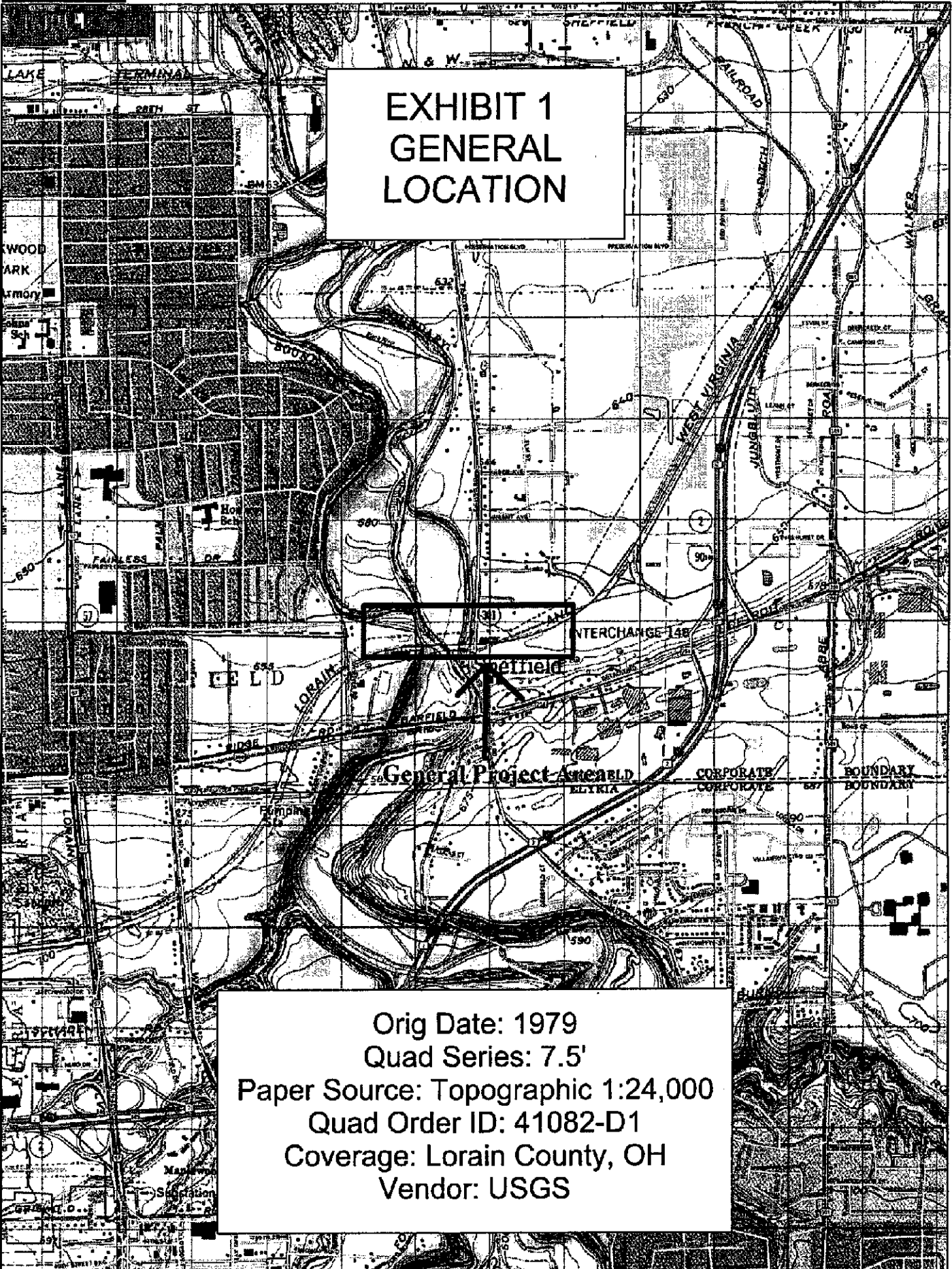
A wetland delineation was completed for the project area and is shown on the general layout, Exhibit 2. One new single wood pole tap structure will be placed approximately ten (10) feet inside the border of a wetland, and some additional guying, for one pole will require ground anchors be placed approximately five (5) feet inside the border of a wetland. Coverage under U.S. Army Corp of Engineers Nationwide 12 permit will be obtained for the Project. This project will use best management practices for erosion and storm water control, along with restoration of all wetland areas disturbed during construction. To the extent possible, construction

access will occur outside of wetland areas. A visual assessment of the Project area did not identify other areas of ecological concern in the immediate vicinity of the Project.

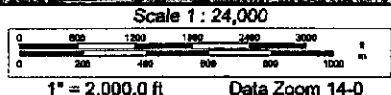
4906-11-01 (D) (3): Additional Information

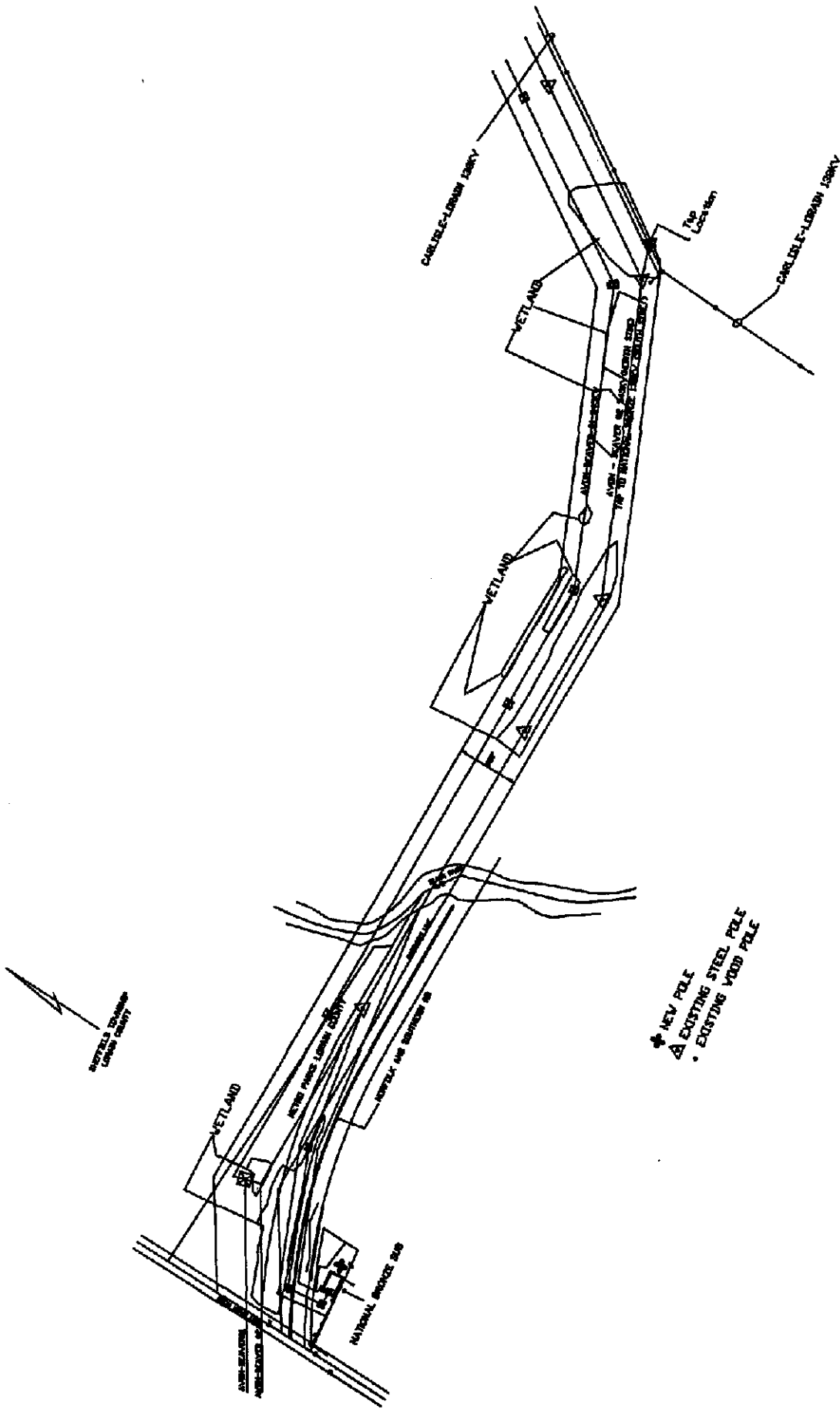
Construction and operation of the proposed Project will be in accordance with the requirements specified in the latest revision of the National Electric Safety Code as adopted by the PUCO and will meet all applicable safety standards established by OSHA.

EXHIBIT 1 GENERAL LOCATION



Orig Date: 1979
 Quad Series: 7.5'
 Paper Source: Topographic 1:24,000
 Quad Order ID: 41082-D1
 Coverage: Lorain County, OH
 Vendor: USGS





ISSUE DATE:
 CONSTRUCTION
 AS BUILT
 RECORD

DR. 999	7/23/2008	C.E.
CHK.		ORDER NO.
INS.		WBS OC-001120-ATT-C
APP.		R/W
		SCALE N.T.S.

CARLISLE-LORAIN 138KV TRANSMISSION LINE
 GENERAL LAYOUT
 TAP TO NATIONAL BRONZE

FirstEnergy
 Transmission Design

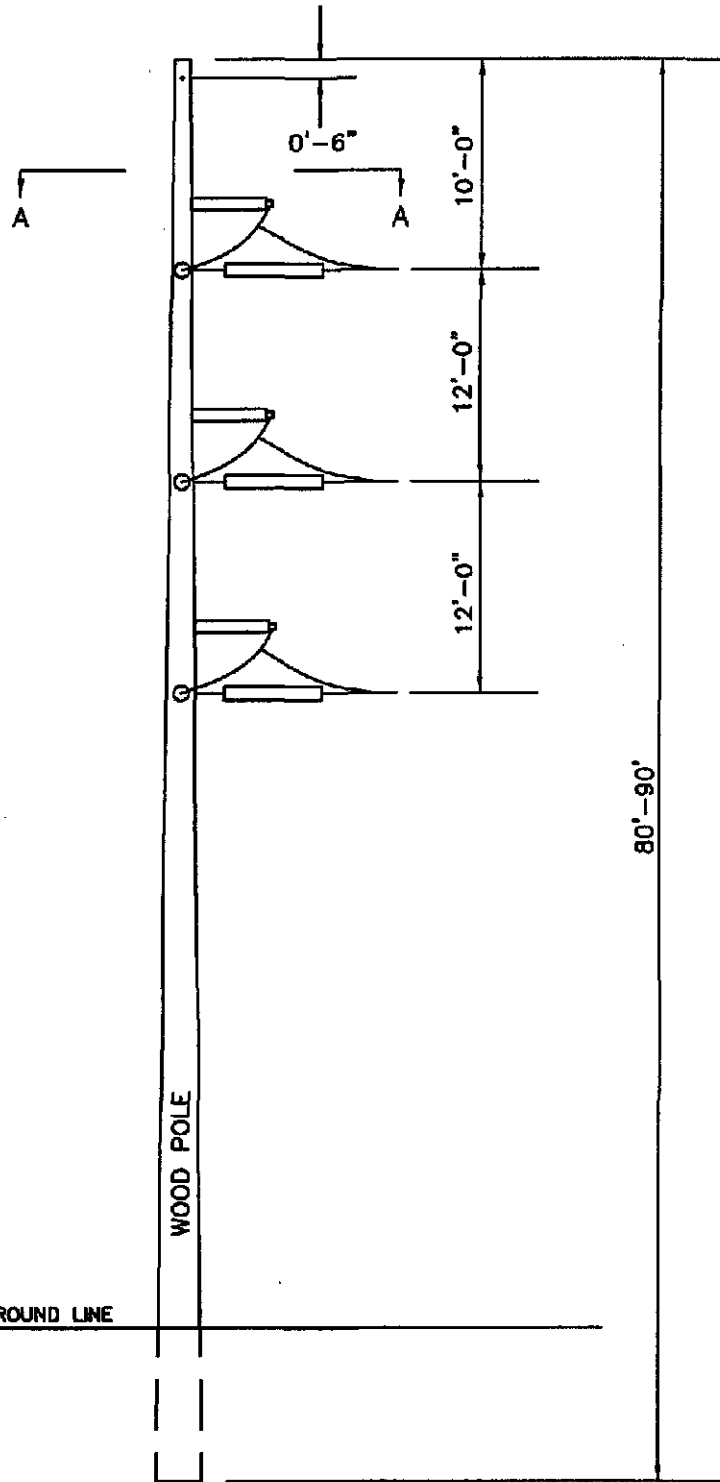
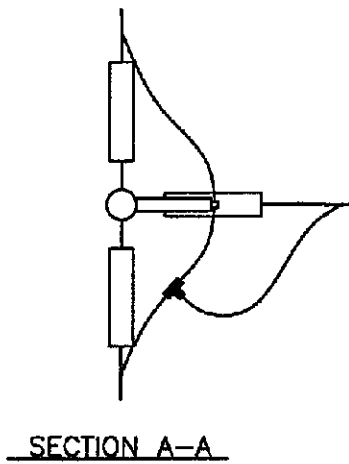
OPERATING CO.
 OHIO EDISON

DWG NO.

EXHIBIT 2

SHEET
 1

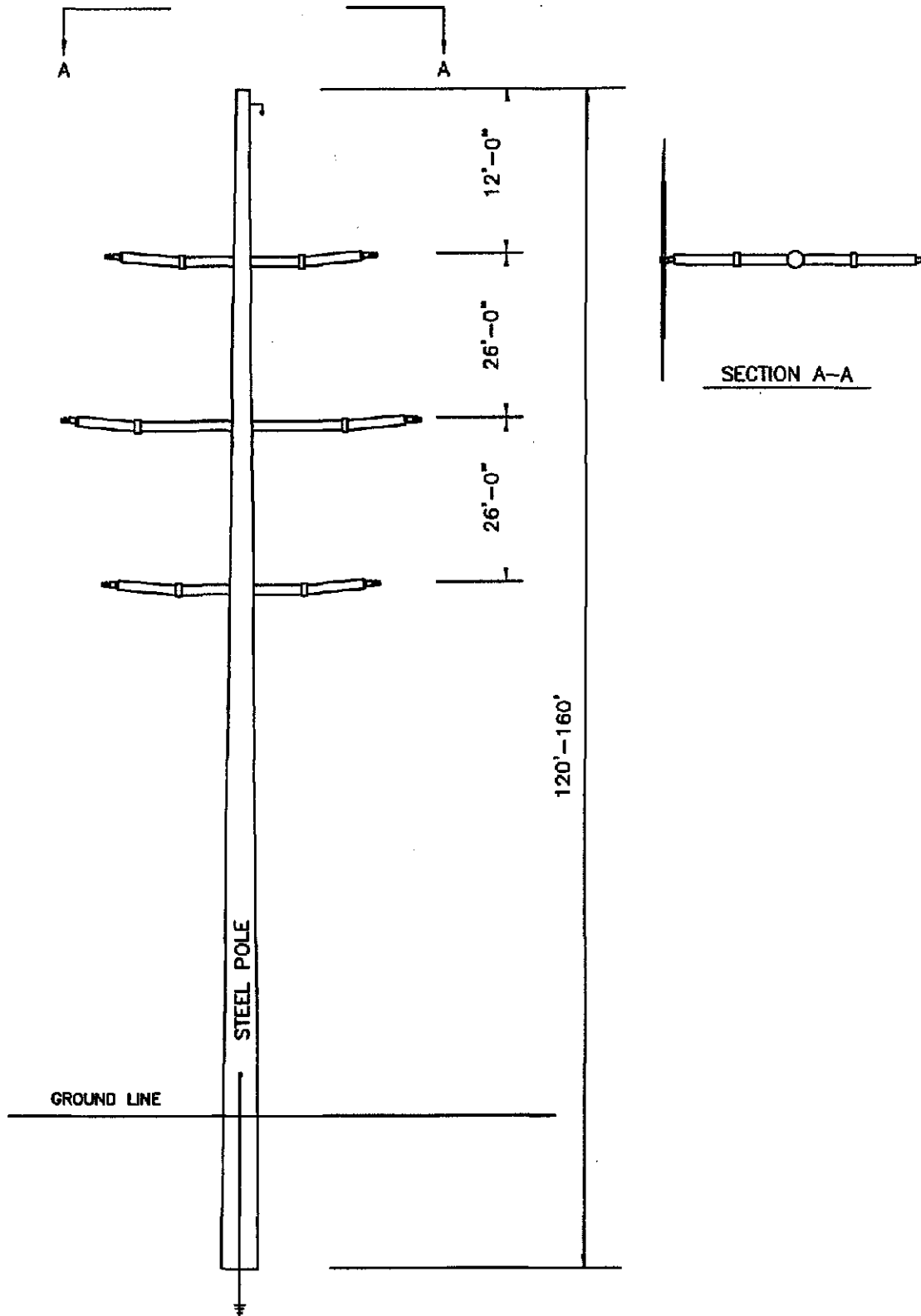
REV.
 A



NATIONAL BRONZE EXHIBIT 3

ISSUE DATE:	DR. <i>gjt</i> 7/08	C.E.
<input type="checkbox"/> CONSTRUCTION	CHK.	ORDER NO.
<input type="checkbox"/> AS BUILT	INS.	WRS 00-001120-AT-C R/W WRS
<input type="checkbox"/> RECORD	APP.	SCALE N.T.S.

CARLISLE-LORAIN 138 kV TRANSMISSION LINE TAP TO NATIONAL BRONZE'S WEST RIVER ROAD SUBSTATION TAP STRUCTURE		
FirstEnergy Transmission Design	OPERATING CO. OHIO EDISON	DWG NO. EXHIBIT 3
	SHEET	REV.

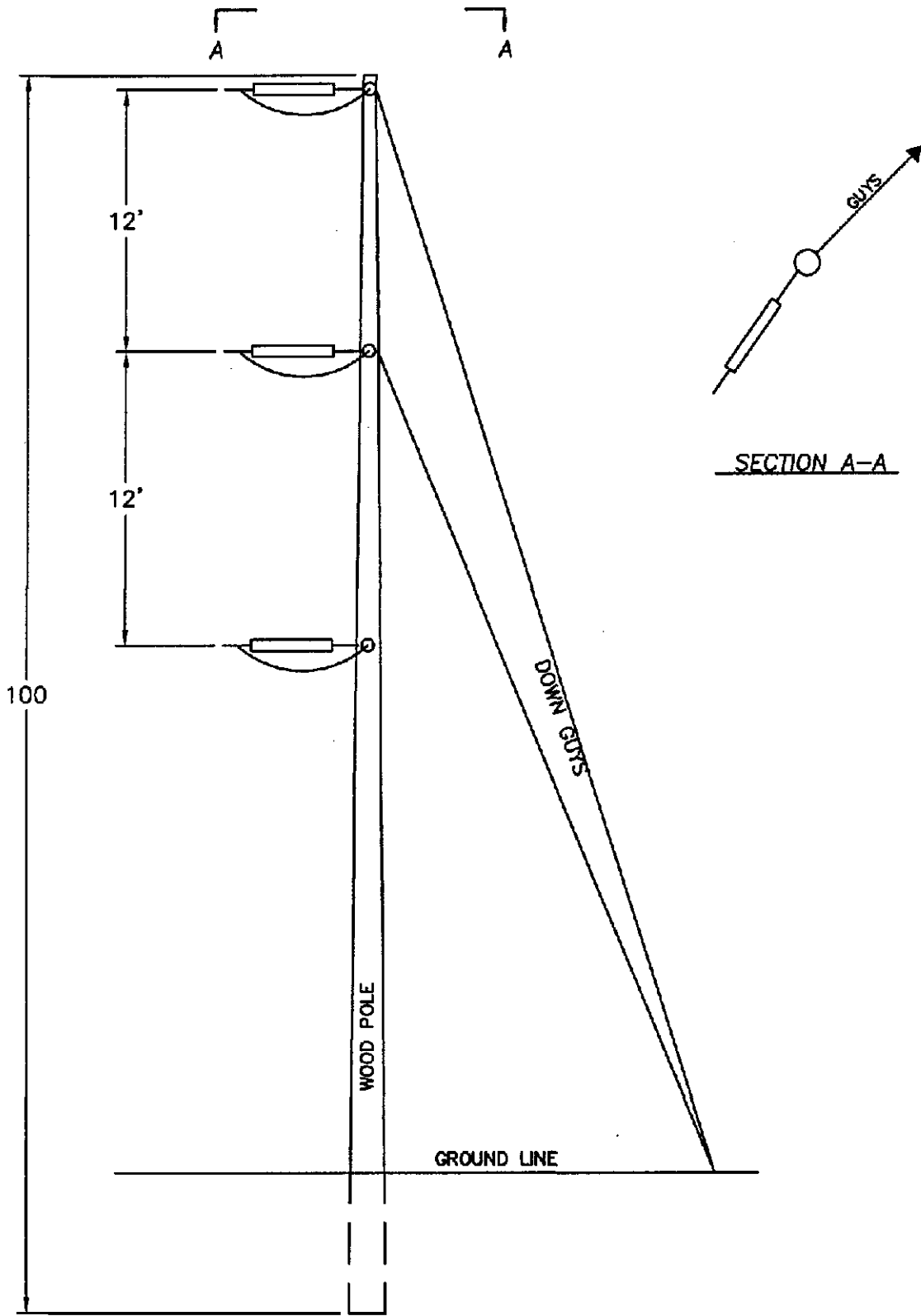


NATIONAL BRONZE EXHIBIT 4

ISSUE DATE:	DR. <i>gjt</i> 7/08	CE
<input type="checkbox"/> CONSTRUCTION	CHK.	ORDER NO.
<input type="checkbox"/> AS BUILT	INS.	WBS OC-001120-ATT-C
<input type="checkbox"/> RECORD	APP.	R/W WBS
		SCALE N.T.S.

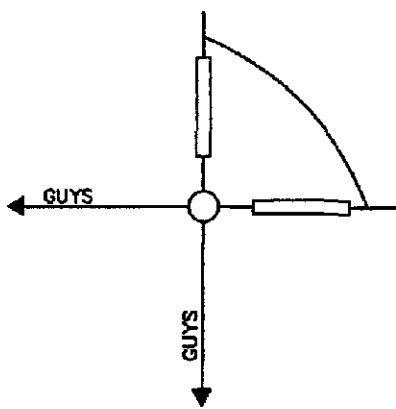
CARLISLE-LORAIN 138 KV TRANSMISSION LINE
 TAP TO NATIONAL BRONZE'S WEST RIVER ROAD
 STEEL POLE STRUCTURE

FirstEnergy Transmission Design	OPERATING CO. OHIO EDISON	DWG NO. EXHIBIT 4	SHEET	REV.
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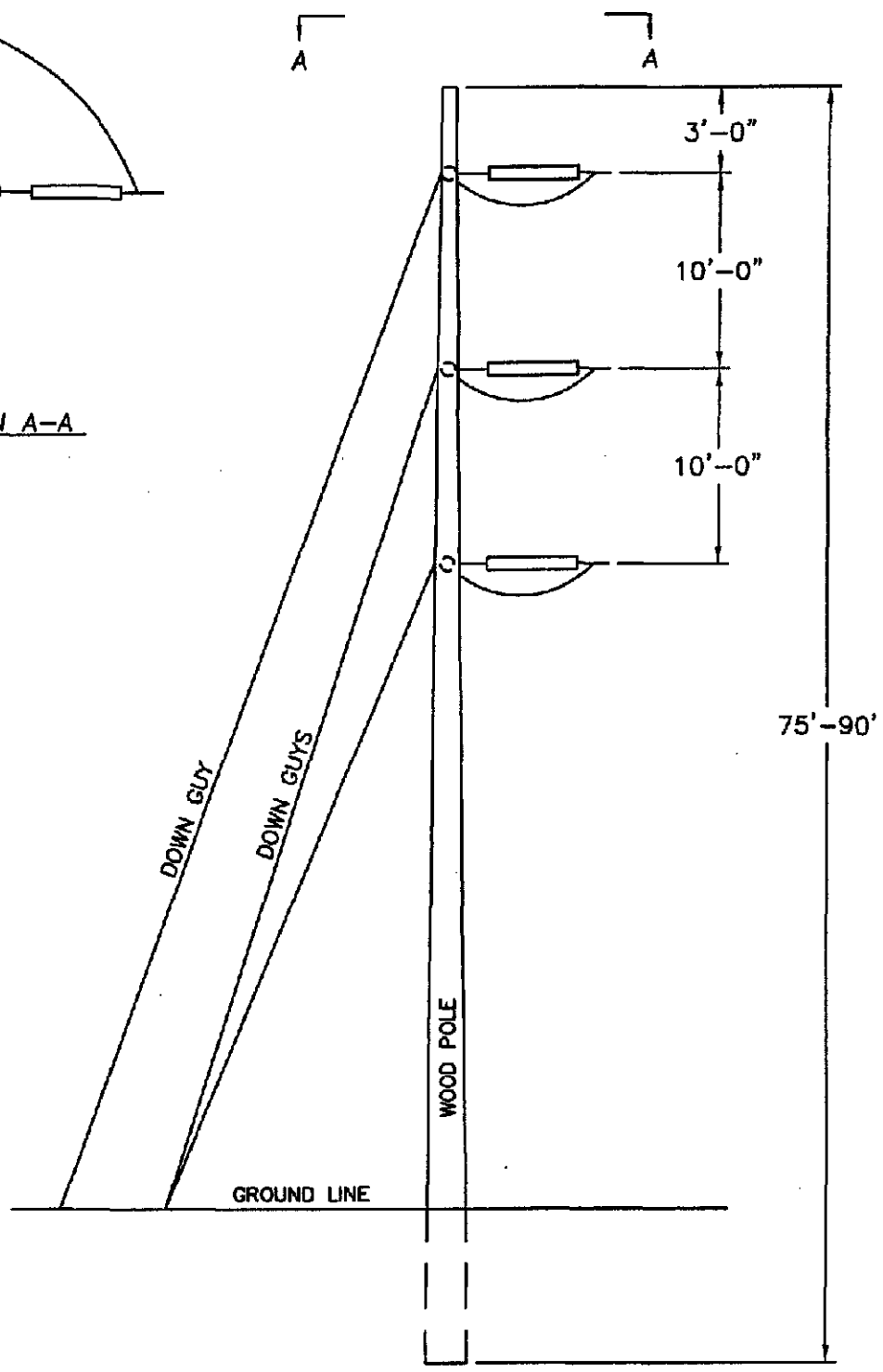


NATIONAL BRONZE EXHIBIT 5

ISSUE DATE: <input type="checkbox"/> CONSTRUCTION <input type="checkbox"/> AS BUILT <input type="checkbox"/> RECORD	DR. <i>gjt</i> 7/08	C.E.	CARLISLE-LORAIN 138 kV TRANSMISSION LINE TAP TO NATIONAL BRONZE'S WEST RIVER ROAD SUBSTATION ANGLE STRUCTURE					
	CHK.	ORDER NO.				FirstEnergy <i>Transmission Design</i>	OPERATING CO. OHIO EDISON	DWG NO. EXHIBIT 5
	INS.	WBS OC-001120-AT-C R/W WBS						
	APP.	SCALE N.T.S.						



SECTION A-A



NATIONAL BRONZE EXHIBIT 6

ISSUE DATE:

- CONSTRUCTION
- AS BUILT
- RECORD

DR. *gjt* 7/08 C.E.

CHK. ORDER NO.

INS. WES OC-001120-NT-C

APP. R/W MBS SCALE N.T.S.

CARLISLE-LORAIN 138 KV TRANSMISSION LINE
 TAP TO NATIONAL BRONZE'S WEST RIVER ROAD
 SUBSTATION CORNER DEAD END STRUCTURE

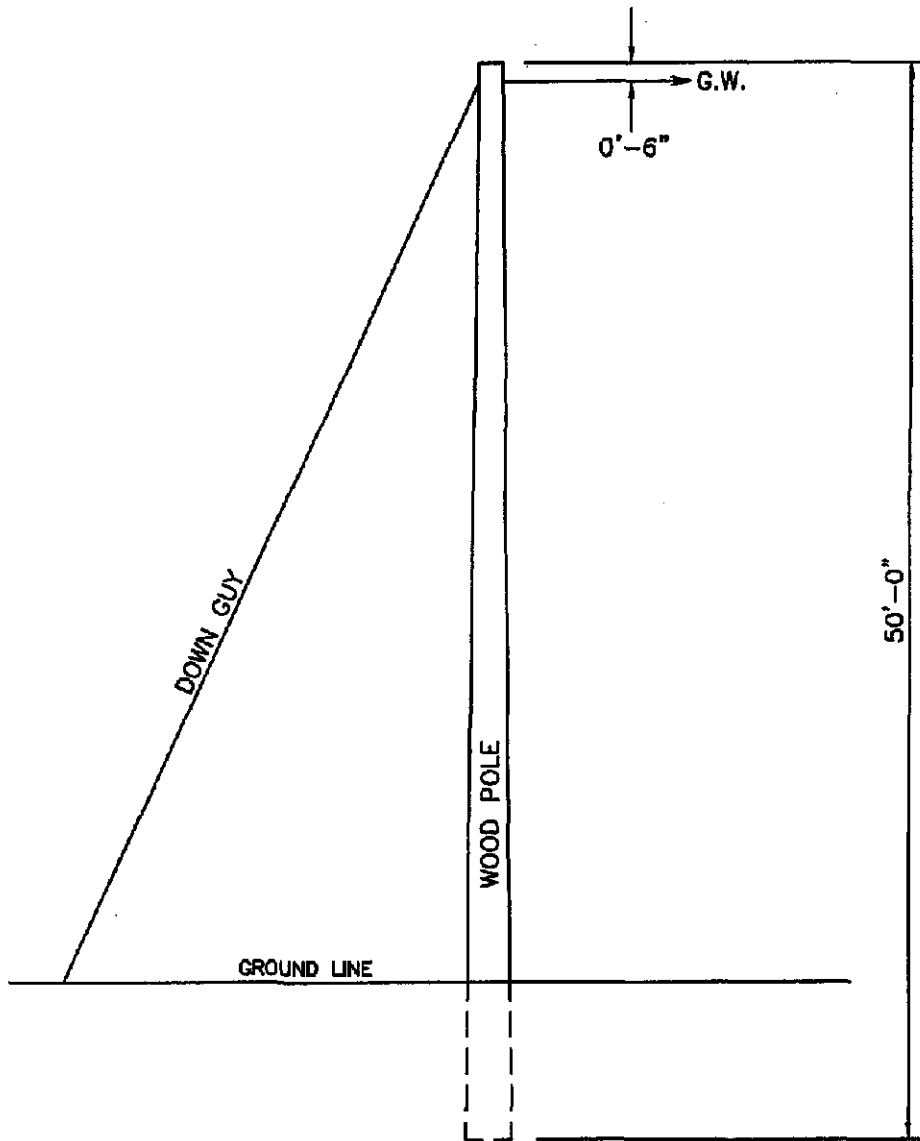
FirstEnergy
 Transmission Design

OPERATING CO.
 OHIO EDISON

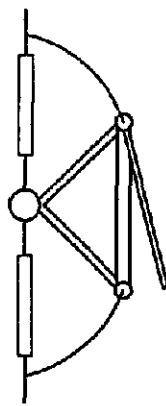
DWG NO.

EXHIBIT 6

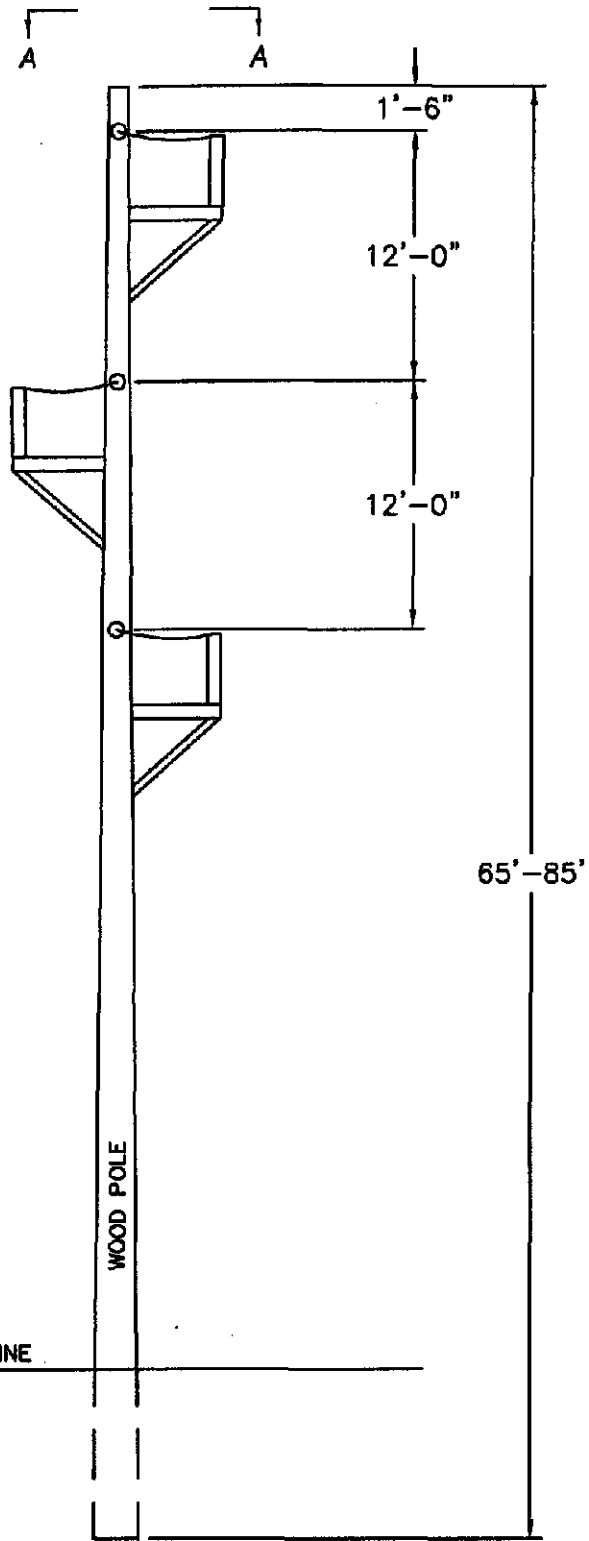
SHEET REV.



ISSUE DATE: <input type="checkbox"/> CONSTRUCTION <input type="checkbox"/> AS BUILT <input type="checkbox"/> RECORD	DR. <i>JTT</i>	7/08	OPERATING COMPANY OHIO EDISON		CARLISLE-LORAIN 138 kV TRANSMISSION LINE TAP TO NATIONAL BROUZE'S WEST RIVER ROAD SUBSTATION, GUYED GROUND WIRE STUB POLE		DWG NO.	SHEET	REV.
	CHK.		C.E.						
	INS.		ENG. W.O.	R/W W.O.					
	APP.		SC. N.T.S.						
						Transmission Design	EXHIBIT 7		



SECTION A-A



NATIONAL BRONZE EXHIBIT 8

ISSUE DATE: <input type="checkbox"/> CONSTRUCTION <input type="checkbox"/> AS BUILT <input type="checkbox"/> RECORD	DR. <i>gjt</i> 7/08	C.E.	CARLISLE-LORAIN 138 KV TRANSMISSION LINE TAP TO NATIONAL BRONZE'S WEST RIVER ROAD SUBSTATION SWITCH STRUCTURE					
	CHK.	ORDER NO.				FirstEnergy <i>Transmission Design</i>	OPERATING CO. OHIO EDISON	DWG NO. EXHIBIT 8
	INS.	WBS DC-001120-ATT-C R/W WBS						
	APP.	SCALE N.T.S.		SHEET	REV.			

Tap To National Bronze



CARLISLE-LORAIN 138kV

CARLISLE-LORAIN 138kV

CARLISLE-LORAIN 138kV
TAP TO NATIONAL BRONZE
SWITCH LOCATIONS

7/23/2008

00-001120-AT-C

PerGroup
Transmission Design

EXHIBIT 9

1
A



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 43229-6693
Phone: (614) 265-6453; Fax: (614) 267-3096

June 2, 2008

John Toth
FirstEnergy Service Co.
76 S. Main St.
Akron, OH 44308

Dear Mr. Toth:

I have reviewed our Natural Heritage maps and files for the Carlisle-Lorain 138 kV Transmission Line Tap to National Bronze project area, including a one mile radius, in Sheffield Township, Lorain County, and on the Avon Quad (OC-001120-ATT-C). The numbers/letters on the list below correspond to the areas marked on the accompanying map. Common name, scientific name and status are given for each species.

Avon Quad

- A. Black River Reservation - Lorain Co. Metro Park District
1. *Thuja occidentalis* - Arbor Vitae, potentially threatened
 2. *Shepherdia canadensis* - Canada Buffalo-berry, potentially threatened
 3. *Cornus rugosa* - Round-leaved Dogwood, potentially threatened
Shepherdia canadensis - Canada Buffalo-berry, potentially threatened

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. Please note that although we inventory all types of plant communities, we only maintain records on the highest quality areas.

Please contact me at 614-265-6818 if I can be of further assistance.

Sincerely,

Debbie Woischke, Ecological Analyst
Natural Heritage Program

