

June 17, 2008

Ms. Renee J. Jenkins
Director, Administration Department
Secretary to the Commission
Docketing Division
The Public Utilities Commission of Ohio
180 East Broad Street
Columbus, OH 43215-3793

PUCO

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**LETTER OF NOTIFICATION
CHRYSLER-O.I. LEVIS PARK 138 KV TRANSMISSION
LINE TAP EXTENSION FOR THE LIME CITY
DISTRIBUTION SUBSTATION PROJECT
Case No. 08-742-EL-BNR**

Dear Ms. Jenkins:

In accordance with Rule 4906-11-01 American Transmission Systems, Inc. ("ATSI"), a subsidiary of FirstEnergy Corp., transmits one (1) original and eleven (11) copies of the enclosed Construction Notice. In this project, ATSI is proposing to install one (1) new transmission pole for the tap extension to the new Lime City Distribution Substation. The project is located in the Township of Perrysburg, Wood County, Ohio.

Please be advised of the following:

a) Name and address of the applicant:

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

b) Name of proposed facilities:

Chrysler-O.I. Levis Park 138 Kv Transmission
Line Tap Extension For The Lime City
Distribution Substation Project

This is to certify that the images appearing are an accurate and complete reproduction of a case file document delivered in the regular course of business.
Technician SM Date Processed 6/17/08

Docketing

June 17, 2008

c) Location of proposed facilities:

The project is located in the Township of Perrysburg, Wood County, Ohio.

d) Description of proposed facilities:

In this project, ATSI is proposing to install one (1) new transmission pole for the tap extension to the new Lime City Distribution Substation.

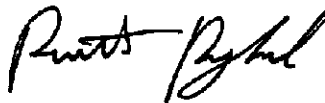
e) Applicant's representative:

Brett Ryhal, Assistant 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 officials 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 the Township of Perrysburg, Wood County, Ohio are enclosed for your file.

Should the Ohio Power Siting Board desire further information or discussion of this submittal, please contact me at (330) 761-2347.

Sincerely,



Brett Ryhal, Assistant Transmission Engineer
Energy Delivery Technical Services
FirstEnergy Service Company

Attachments

June 17, 2008

Mr. Craig LaHote
Chair of Trustees
26609 Lime City Rd,
Perrysburg, OH 43551

**Letter Of Notification
Chrysler-O.I. Levis Park 138 Kv Transmission
Line Tap Extension For The Lime City
Distribution Substation Project
Case No. 08-⁷⁴²-EL-BNR**

Dear Mr. LaHote,

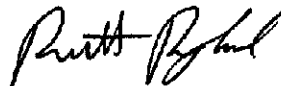
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The Project area is located between Lime City Road and Broadway Street in the Township of Perrysburg, Wood County, Ohio. The entire Project will be constructed on land that is already owned by the applicants and used by the applicants for existing transmission and distribution facilities. As such, there should be little or no incremental land-use impacts on your community.

In accordance with the provisions of Ohio Administrative Code ("OAC") Rule 4906-1-01, this project falls within the Ohio Power Siting Board's requirements for a Letter of Notification ("LON"). Therefore, in compliance with OAC 4906-11-02 of the OPSB's Rules and Regulations, we have prepared and filed the attached LON with the OPSB for their review and approval. The LON contains a description of the project and is provided for your information.

I'll be glad to answer any question concerning this matter. You can contact me at (330) 761-2347.

Sincerely,



Brett Ryhal, Assistant Transmission Engineer
Energy Delivery Technical Services
FirstEnergy Service Company

Attachment

June 17, 2008

Mr. Robert Mack
Trustee
26609 Lime City Rd,
Perrysburg, OH 43551

Letter Of Notification
Chrysler-O.I. Levis Park 138 Kv Transmission
Line Tap Extension For The Lime City
Distribution Substation Project
Case No. 08-742 -EL-BNR

Dear Mr. Mark,

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Sincerely,



Brett Ryhal, Assistant Transmission Engineer
Energy Delivery Technical Services
FirstEnergy Service Company

Attachment

June 17, 2008

Mr. Gary Britten
Vice Chair of Trustees
26609 Lime City Rd,
Perrysburg, OH 43551

Letter Of Notification
Chrysler-O.I. Levis Park 138 Kv Transmission
Line Tap Extension For The Lime City
Distribution Substation Project
Case No. 08-742 -EL-BNR

Dear Mr. Britten,

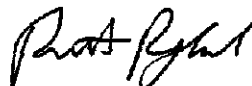
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Sincerely,



Brett Ryhal, Assistant Transmission Engineer
Energy Delivery Technical Services
FirstEnergy Service Company

Attachment

June 17, 2008

Mrs. Shirley Haar
Fiscal Officer
26609 Lime City Rd,
Perrysburg, OH 43551

**Letter Of Notification
Chrysler-O.J. Levis Park 138 Kv Transmission
Line Tap Extension For The Lime City
Distribution Substation Project
Case No. 08-742-EL-BNR**

Dear Mrs. Haar,

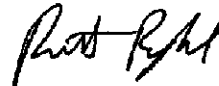
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Brett Ryhal, Assistant Transmission Engineer
Energy Delivery Technical Services
FirstEnergy Service Company

Attachment

June 17, 2008

The Honorable James F. Carter
President of Commissioners
One Courthouse SQ
Bowling Green, OH 43402

Letter Of Notification
Chrysler-O.I. Levis Park 138 Kv Transmission
Line Tap Extension For The Lime City
Distribution Substation Project
Case No. 08-742 -EL-BNR

Dear Commissioner Carter,

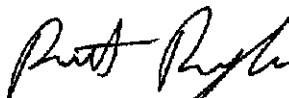
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Brett Ryhal, Assistant Transmission Engineer
Energy Delivery Technical Services
FirstEnergy Service Company

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June 17, 2008

The Honorable Tim W. Brown
Vice President of Commissioners
One Courthouse SQ
Bowling Green, OH 43402

Letter Of Notification
Chrysler-O.I. Levis Park 138 Kv Transmission
Line Tap Extension For The Lime City
Distribution Substation Project
Case No. 08-742 -EL-BNR

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Brett Ryhal, Assistant Transmission Engineer
Energy Delivery Technical Services
FirstEnergy Service Company

Attachment

June 17, 2008

The Honorable Alvin L. Perkins
Commissioner
One Courthouse SQ
Bowling Green, OH 43402

Letter Of Notification
Chrysler-O.I. Levis Park 138 Kv Transmission
Line Tap Extension For The Lime City
Distribution Substation Project
Case No. 08-742 -EL-BNR

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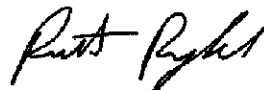
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Brett Ryhal, Assistant Transmission Engineer
Energy Delivery Technical Services
FirstEnergy Service Company

Attachment

June 17, 2008

The Honorable W. David Steiner
Planning Commissioner Director
One Courthouse SQ
Bowling Green, OH 43402

Letter Of Notification
Chrysler-O.I. Levis Park 138 Kv Transmission
Line Tap Extension For The Lime City
Distribution Substation Project
Case No. 08-742-EL-BNR

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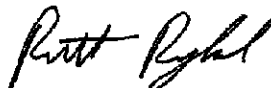
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Brett Ryhal, Assistant Transmission Engineer
Energy Delivery Technical Services
FirstEnergy Service Company

Attachment

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

LETTER OF NOTIFICATION

**CHRYSLER-O.I. LEVIS PARK 138 kV TRANSMISSION
LINE TAP EXTENSION FOR THE LIME CITY
DISTRIBUTION SUBSTATION PROJECT**

OPSB CASE NO. 08-742-EL-BNR

June 17, 2008

**American Transmission Systems, Incorporated
76 South Main Street
Akron, Ohio 44308
And
The Toledo Edison Company
76 South Main Street
Akron, Ohio, 44308**

**LETTER OF NOTIFICATION
CHRYSLER-O.I. LEVIS PARK 138 KV TRANSMISSION
LINE TAP EXTENSION FOR THE LIME CITY
DISTRIBUTION SUBSTATION PROJECT**

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: Chrysler-O.I. Levis Park 138 Kv Transmission
Line Tap Extension For The Lime City
Distribution Substation Project

2008 LTFR Reference: This Project is not identified in FirstEnergy Corp's 2008 Electric Long-Term Forecast Report ("LFTR") 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

American Transmission Systems, Incorporated's ("ATSI") and The Toledo Edison Company's (TE), FirstEnergy Corp. subsidiaries, Chrysler-O.I. Levis Park 138 kv Transmission Line Tap Extension for the Lime City Substation consists of extending the original line tap to a new pole as shown in Exhibit 3, to service a new distribution substation.. The general location of the Project is shown in Exhibit 1, which is a partial copy of United States Geologic Survey, Wood County, Ohio Quad, Map ID 41083-E5. The Project is located within the Township Of Perrysburg, Wood County, Ohio.

The existing Chrysler-O.I. Levis Park 138 Kv Transmission Line tap to the Lime City Substation is located between Lime City Road and Broadway Street off of US 20/23. A second Distribution substation will be placed directly next to the existing one. In this Project, a new pole will be placed tangent with the original tap approximately 38 feet to the west, as shown in Exhibit 2.

The construction for the new transmission line will be on land previously acquired for the existing substation. The new pole will be located within the existing right of way of the existing transmission line tap and substation.

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

The proposed Project is needed to add additional capacity to the area, due to new residential and commercial growth. The current substation is anticipated to exceed maximum capacity by the summer of 2009.

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 projects defined by Items (1)(c) 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.

The proposed project includes extending the existing transmission line tap by 38 feet to feed a new planned distribution substation being built adjacent to the distribution substation at lime city.

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 Exhibit No. 4. This map shows ATSI's 138 kV transmission lines and transmission substation for Lime City. The Project is located on Map 4 (8-1/2 by 11 inch printed version) approximately 11-5/8 inches from the right edge of the map box and 1-3/8 inches from the top edge of the map box.

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

Alternatives to the aforementioned design included consideration of adding two additional 12-kV Distribution feeders originating at the Penta County Substation. The distance, approximately 1.9 miles as compared to 56 feet proposed for the line extension, and complications of a convenient split point, along with the multiple feeders along the road are disadvantages of this alternative. A second series of poles in parallel on the opposite side of the road would have to be constructed, or the current double circuit would have to be overbuilt, to support four circuits. This would greatly decrease reliability in that a single pole accident could take all four circuits out of service simultaneously (if overbuilt). In addition, the tap from the current 69-kV Gould-MacLean circuit, that supplies the Penta County Substation, would require additional sectionalization in the form of switches, which not only will cost more, but require a longer circuit outage during installation.

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

Transmission engineering of the Project is scheduled to complete by October, 2008. Construction is scheduled to complete by May 2009.

OAC Section 4906-5-02 (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 later than ninety days no expedited action will need to be taken with the Ohio Power Siting Board.

4906-11-01 (A) (5): Area Map

Exhibit No. 1 depicts the general location of the project site. This exhibit provides a partial copy of the United States Geologic Survey, Wood County, Ohio Quad, Map ID 41083-E5. The substation is located north east of the intersection of Fremont (US 20/23) and Lime City Rd.

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

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

The existing Chrysler-O.I. Levis park 138 kV Transmission Line operates at 138 kV. The proposed installation of the new pole to extend the existing tap will not change the characteristics of this transmission line. No new property rights are required for the proposed Project.

4906-11-01 (B) (2): 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 82 amps and emergency line loading of 94 amps is based on the maximum load to be served from the substation. 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
Chrysler-O.I. Levis Park 138 Kv Transmission Line Tap For The Lime City	82	94	754

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 within the existing corridor, with a minimum assumed ground clearance of 40 feet in a 55 foot wide right-of-way. The model utilizes the normal load for the three existing transmission line circuits and the normal, emergency, and winter rating of the tap. Effects from the existing new Lime City Modular Distribution Substation or distribution facilities are not included in the model.

EMF CALCULATIONS		Electric Field kV/meter	Magnetic Field mGauss
Normal Loading	Under Lowest Conductors	.882	5.78
	At Right-of-Way Edges	.051	2.22
Emergency Loading	Under Lowest Conductors	.882	6.63
	At Right-of-Way Edges	.051	2.54
Winter Rating	Under Lowest Conductors	.882	53.18
	At Right-of-Way Edges	.051	20.41

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 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/emfrapid/home.htm>

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

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

Title	Cost
Transmission Engineering	\$ 15,000
TE Project Management & Corp. Hrs.	\$ 6,120
TE Eng & Estimating	\$ 15,624
Transmission Construction	<u>\$ 40,000</u>
Total	\$ 76,744

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 and will be build upon land that has been previously procured. No new right of ways or land will have to be purchased.

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

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

4906-11-01 (C) (3): Archeological or Cultural Resources

The project involves the installation of a wood or a laminated wood pole in approximately 12 feet deep augured holes. It is unlikely that any significant archaeological or cultural resources currently exist at the project site and would be disturbed by the limited nature of the ground disturbance associated with installing the new transmission line direct imbedded poles proposed in the Project. Based on the results of previous construction of similar projects, it is expected that archaeological and cultural resources will not be impacted by the proposed Project. 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 The Township of Perrysburg, Wood County, Ohio. 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.

Township Of Perrysburg

Mr. Craig LaHote
Chair of Trustees
26609 Lime City Rd,
Perrysburg, OH 43551

Mr. Robert Mack
Trustee
26609 Lime City Rd,
Perrysburg, OH 43551

Mr. Gary Britten
Vice Chair of Trustees
26609 Lime City Rd,
Perrysburg, OH 43551

Mrs. Shirley Haar
Fiscal Officer
26609 Lime City Rd,
Perrysburg, OH 43551

Wood County

The Honorable James F. Carter
President of Commissioners
One Courthouse SQ
Bowling Green, OH 43402

The Honorable Alvin L. Perkins
Commissioner
One Courthouse SQ
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The Honorable Tim W. Brown
Vice President of Commissioners
One Courthouse SQ
Bowling Green, OH 43402

The Honorable W. David Steiner
Planning Commissioner Director
One Courthouse SQ
Bowling Green, OH 43402

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

The Toledo Edison'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

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 (D): Environmental Data

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

A written request was submitted to the Ohio Department of Natural Resources (ODNR) to research the presence of any endangered, threatened, or rare species within the Project area. The ODNR's response of April 29, 2008 indicated that they have no records of rare or endangered species within a one mile radius of the identified Project area.

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

A visual assessment of the Project area did not identify any areas of ecological concern in immediate vicinity of the Project.

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

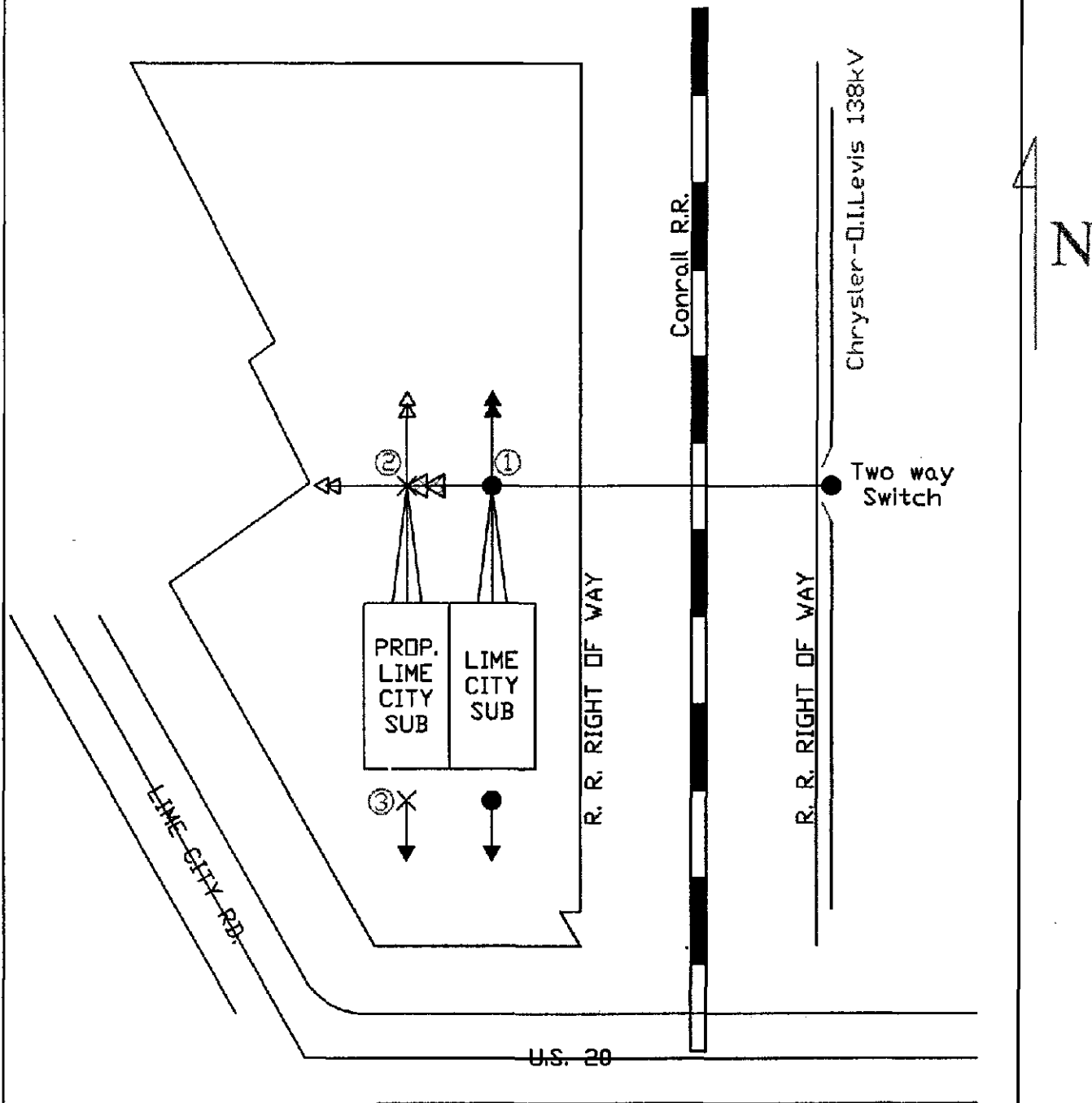
Construction and operation of the proposed Project will be in accordance with the requirements specified in the latest revision of the NESC as adopted by the PUCO and will meet all applicable safety standards established by OSHA.

Exhibit 1

Approximate Project Location

Orig Date: 1988
 Quad Series: 7.5'
 Paper Source: Topographic 1:24,000
 Quad Order ID: 41083-E5
 Coverage:
 Wood County, OH
 Lucas County, OH
 Vendor: USGS

EXHIBIT 2



NOTES

- 1 -Remove guying from the west side of the pole
-Install new 3 phase (336.4kcmil ACSR) and ground wire (3/0 ACSR) from ① to ②.
- 2 -Install new pole structure and wire
-Install guying to the north and west
-Install 3 phase (336.4kcmil ACSR) from ② to substation rack
-Install ground wire (3/0 ACSR) from ② to ③
- 3 -Install new pole structure and ground wire
-Install guying to the south

LEGEND

- EXISTING POLE
- ▲ EXISTING ANCHOR
- ✕ NEW POLE
- △ NEW ANCHOR
- ▲ REMOVING ANCHOR

ISSUE DATE:

DATE 05/09/08 CE 08-28-X

CONSTRUCTION

ONE

ORDER NO.

AS BUILT

TWO

WFO-000595-ATT-C

RECORD

APP.

SCALE

CHRYSLER-O.I. LEWIS 138 KV
TAP TO LIME CITY
Distribution Extension #2

FirstEnergy
Transmission Design

OPERATING CO.
TOLEDO EDISON

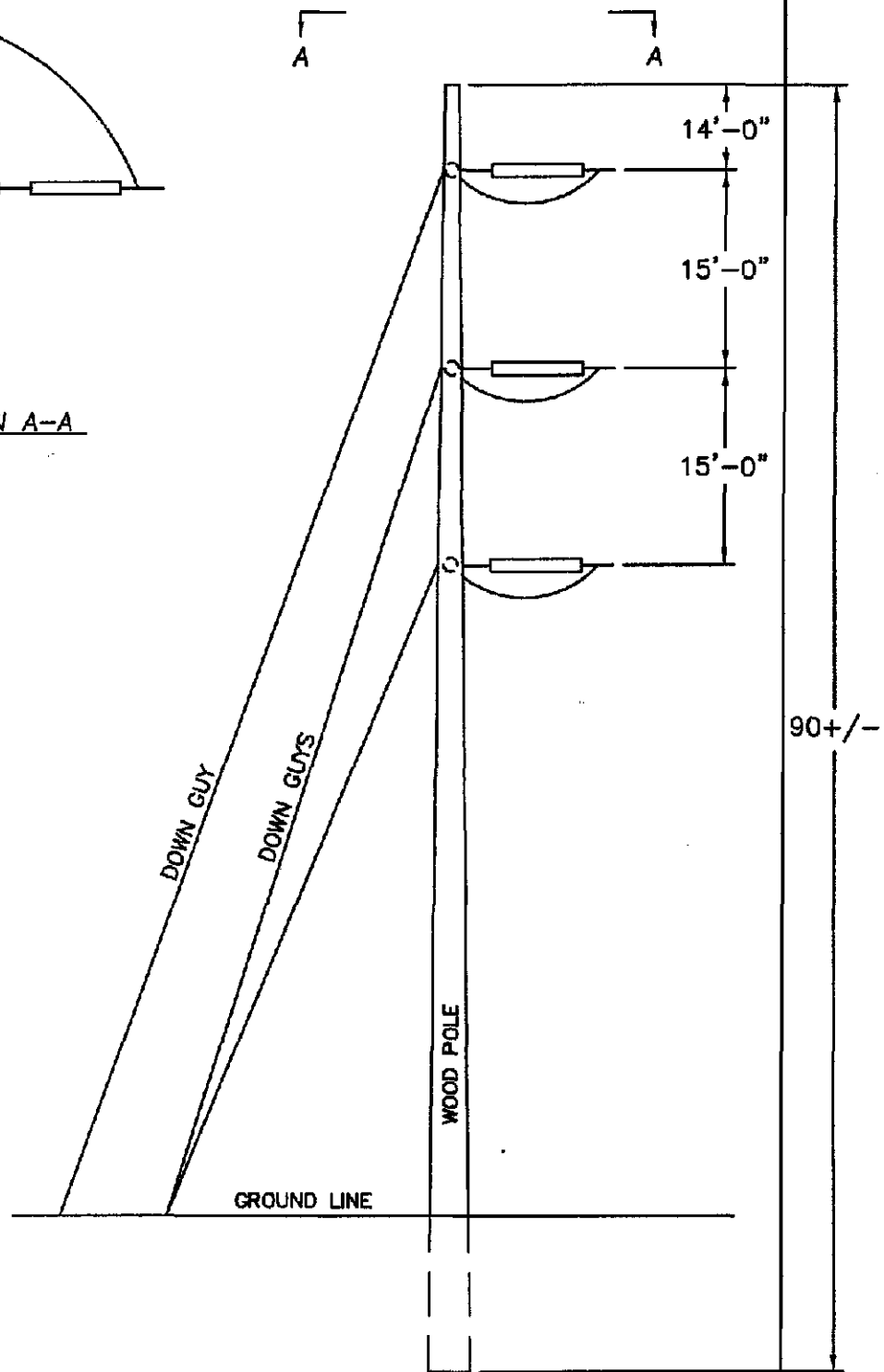
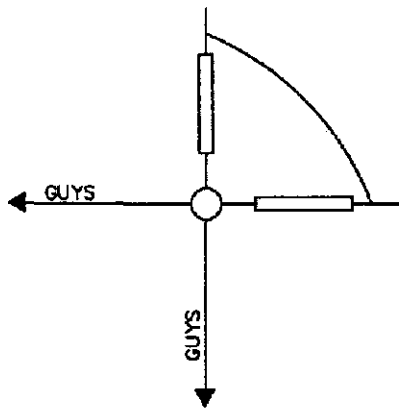
DWG NO.

Exhibit 2

SHEET

1

REV.



ISSUE DATE:

- ☐ CONSTRUCTION
- ☐ AS BUILT
- ☐ RECORD

DR. *JTT* 6/08 C.E.

CHK.

INS.

APP.

ORDER NO.

WBS TW-000595-AIT-C
R/W WBS

SCALE N.T.S.

CHRYSLER-O.I.LEVIS PARK
TAP TO LIME CITY MOD SUB
CORNER DEAD END STRUCTURE

FirstEnergy
Transmission Design

OPERATING CO.
TOLEDO EDISON

DWG NO.

EXHIBIT 3

SHEET REV.