

FILE

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Legal Department

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PUCO

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American Electric Power
1 Riverside Plaza
Columbus, OH 43215-2373
AEP.com

September 2, 2010

The Honorable Alan R. Schriber, Chairman
Ohio Power Siting Board
180 East Broad Street
Columbus, OH 43215

Re: Letter of Notification, 08-170-EL-BTX OSU-Roberts Amendment

Matthew J. Satterwhite
Senior Counsel –
Regulatory Services
(614) 716-1915 (P)
(614) 716-2014 (F)
mjsatterwhite@aep.com

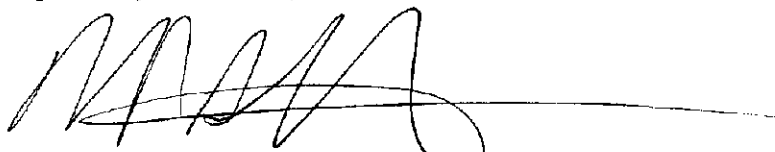
Dear Chairman Schriber:

In accordance with Rules 4906-5-02, 4906-5-10(B) and 4906-11-01, Ohio Administrative Code ("O.A.C."), Columbus Southern Power Company, ("AEP") submits this Letter of Notification. O.A.C. 4906-1-10(B) requires amendments that fall within Appendix A of Chapter 4906-1 to be filed as a letter of notification. The amendments to the certificate qualify under Appendix A (1)(e) of O.A.C. Chapter 4906-1.

AEP has submitted a copy of this Letter of Notification to the political subdivisions affected by the proposed project. The cover letter accompanying these mailings is included as an attachment to the Letter of Notification.

Please feel free to contact me if there are any questions.

Respectfully Submitted,



Matthew J. Satterwhite, Senior Counsel

Enclosure

Cc: Jon Pawley, Staff Energy and Environment

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 SEP 03 2010

Amendment

for the

Roberts – OSU 138 kV Line

Submitted by

American Electric Power

Amendment to 08-0170-EL-BTX

4906-11-01 (B) Need Statement

(1)(a) Name of Project

The name of this project is the Roberts – OSU 138 kV Project. The original Application for a Certificate of Environmental Compatibility and Public Need to which this Amendment applies is docketed under PUCO Case #08-0170-EL-BTX. Further information in addition to any provided below can be found in that Application.

(1)(b) Description of this Project

This Amendment involves a change in the type of cable to be installed; service to a proposed distribution station; and an approximately 0.94 mile relocation of a portion of the transmission line as proposed in the original application. A map showing the location of this new distribution station and proposed relocation is contained in the Appendix.

(1)(c) Reasons this Project Meets the Letter of Notification Requirements

This project meets the criteria for a Letter of Notification because the extent of the project is defined by Item (1)(e) of Appendix A “Application Requirement Matrix for Electric Power Transmission Lines. This project consists of constructing a line that is one hundred twenty – five KV and above, but less than three hundred kV, and not greater than 2 miles in length.

(2) Need for this Project

The need for the overall transmission line project has been demonstrated in the original application. The service to a new distribution is being done at the request of The Ohio State University (OSU). This new 138kV/12kV distribution station will be owned and operated by OSU. OSU has plans to expand their facilities in the west campus area and this distribution station will provided needed electrical service to these facilities. The need and exact location

of the proposed distribution station was not needed at the time the Application was filed. The relocation of the proposed transmission line is being done at the suggestion of OSU. Due to the lack of suppliers, high cost and long lead time, AEP has decided to install Cross-Linked Polythene (XLPE) cable in place of the High Pressure Gas Filled (HPGF) described in the original application. A sketch of the trench using XLPE is included in the Appendix.

(3) Project Location Relative to Existing or Proposed Lines

The location of the overall project is included in the original Application (08-0170-EL-BTX).

(4) Alternatives Considered

No other alternatives for this relocation were considered.

(5) Anticipated Construction Schedule

Construction of this transmission line project is expected to begin in December, 2010 and to be placed in service in December, 2011.

(6) Maps Depicting Project Location

A map of the overall project location is included in the original Application (08-0170-EL-BTX). A map of the proposed relocation is included in the Appendix.

(7) Easements and/or Land Use Agreements

AEP has obtained a long term lease from the State of Ohio to allow the installation of this relocated underground electric transmission line from the State of Ohio. This lease was obtained with the knowledge and assistance of The Ohio State University.

49016-11-01 (C) Technical Features

(1) Number and Type of Structures

The only change to the number and type of structures as described in the original application (08-0170-EL-BTX) is at the point where the line transfers from overhead to underground. The installation of HPGF cable requires the installation of a fenced in terminal structure as shown in Figure 04-5 in the Application. The changes to XLPE cable will allow for the

installation of a self supporting steel pole that does not require a fenced in area. A sketch of the proposed steel pole is attached in the appendix.

(2) Calculated Electric and Magnetic Field Levels (EMF)

EMF values for the underground portion of this project using the XLPE cable is shown below. Values are shown at ground level.

Conductor Condition	Electric Field (kV/m)			Magnetic Field (mG)		
	0' from centerline	15' from centerline	30' from centerline	0' from centerline	15' from centerline	30' from centerline
Normal Maximum Loading 590 MVA	0	0	0	799.6	79.8	20.8
Emergency Line Loading 1806 MVA	0	0	0	2447.7	244.4	63.6
Winter Normal Conductor Rating 2262 MVA	0	0	0	3065.7	306.1	79.6

EMF values for the overhead portion of this project along with a discussion of EMF are included in the original Application (08-0170-EL-BTX).

(3) Estimated Capital Costs

The overall project cost is included in the original Application (08-0170-EL-BTX).

49016-11-01 (D) Socioeconomic Data

(1) Land Use and Population Density

This proposed relocation is in City of Columbus, Clinton Township, and Franklin County, Ohio. It is also on the campus of the Ohio State University. Further information on the land use can be found in the Appendix.

(2) Agricultural Land and Agricultural Districts

The proposed line relocation is not within the limits of any agricultural land nor is it located within any Agricultural District as defined by Chapter 929 of the Ohio Revised Code.

(3) Investigation of Archeological and Cultural Resources

An investigation of Archeological and Cultural Resources is included in the original Application (08-0170-EL-BTX). Additional information is included in the Appendix.

(4) Local Officials to be Notified

Copies of this Amendment have sent to the Mayor of City of Columbus, Clinton Township Trustees, Norwich Township Trustees, Perry Township Trustees, City Manager of Upper Arlington, Franklin County Commissioners and the President of The Ohio State University. Copies of the cover letters to these officials are attached.

(5) Current or Pending Litigation

There is no current litigation involving this project and none is expected.

(6) Local, State and Federal Requirements

This line will be designed, constructed, and operated to meet or exceed the requirements of the National Electrical Safety Code, American Electric Power design standards, and all applicable OSHA standards. A full listing of permits required can be found in the original application and in the Certificate of Environmental Compatibility and Public Need.

49016-11-01 (E) Environmental Data

(1) Endangered or Threatened Species

An investigation of endangered or threatened species is included in the original Application (08-0170-EL-BTX). Additional information is included in the Appendix.

(2) Areas of Ecological Concern

There are no areas of ecological concerns within the proposed line relocation. Additional information is included in the Appendix.

(3) Additional Information

There have been slight adjustments to the centerline of the underground transmission line as originally described in the Application. These changes were the result of more detailed surveying and discovery of other buried utilities that were not easily identifiable in the siting process. The transmission centerline was shifted from the center lane of Lane Avenue to the curb lane of Lane Avenue for the safety of the construction workers not only during the initial construction, but also during future maintenance operations. Upper Arlington is aware of this change and is in full agreement. All of the centerline changes are well within the siting study corridor. All necessary easements and land rights for this transmission line have been obtained and the property owners are fully aware of the location of the proposed transmission line on their property. Please be aware that the crossing of both the Scioto River and the Olentangy River will be accomplished by using horizontal directional drilling (HDD) methods.

Appendix



American Electric Power
700 Morrison Road
Gahanna, OH 43230

August 27, 2010

Clinton Township Trustees
3820 Cleveland Ave
Columbus, OH 43224

Dear Trustees

American Electric Power (AEP) proposes to construct an electric transmission facility to be known as the Roberts – OSU 138 kV transmission line in Franklin County, Ohio.

On December 30, 2008, American Electric Power submitted a siting application to the State of Ohio Power Siting Board for the Roberts – OSU 138 kV transmission line. A "Certificate of Environmental Compatibility and Public Need" was granted by the Ohio Power Siting Board on September 21, 2009.

Enclosed is an Amendment to this Application. This is being submitted to you for your information. Copies of this Amendment have also been distributed to all local government officials.

Sincerely,

A handwritten signature in black ink, appearing to read "John R. Heppner", is written over the typed name.

John Heppner
Project Engineer



American Electric Power
700 Morrison Road
Gahanna, OH 43230

August 27, 2010

Mayor Michael Coleman
City of Columbus
City hall, 2nd floor
90 West Broad Street
Columbus, OH 43215

Dear Mayor

American Electric Power (AEP) proposes to construct an electric transmission facility to be known as the Roberts – OSU 138 kV transmission line in Franklin County, Ohio.

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John Heppner
Project Engineer



American Electric Power
700 Morrison Road
Gahanna, OH 43230

August 27, 2010

Franklin County Commissioners
373 South High Street
26th Floor
Columbus, OH 43210

Dear Commissioners

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John Heppner
Project Engineer



American Electric Power
700 Morrison Road
Gahanna, OH 43230

August 27, 2010

The Ohio State University Libraries
1858 Neil Avenue Mall
Columbus, OH 43210

Dear Library Administrator,

American Electric Power (AEP) proposes to construct an electric transmission facility to be known as the Roberts – OSU 138 kV transmission line in Franklin County, Ohio.

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Enclosed is an Amendment to this Application. We ask that this Amendment be made available to the general public.

Copies of this Amendment have also been distributed to all local government officials.

Sincerely,

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John Heppner
Project Engineer



American Electric Power
700 Morrison Road
Gahanna, OH 43230

August 27, 2010

Norwich Township Trustees
5181 Northwest Parkway
Hilliard, OH 43026

Dear Trustees

American Electric Power (AEP) proposes to construct an electric transmission facility to be known as the Roberts – OSU 138 kV transmission line in Franklin County, Ohio.

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John Heppner
Project Engineer



American Electric Power
700 Morrison Road
Gahanna, OH 43230

August 27, 2010

President E. Gordon Gee
The Ohio State University
205 Bricker Hall
190 North Oval Mall
Columbus, OH 43210

Dear Mr. President

American Electric Power (AEP) proposes to construct an electric transmission facility to be known as the Roberts – OSU 138 kV transmission line in Franklin County, Ohio.

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John Heppner
Project Engineer



American Electric Power
700 Morrison Road
Gahanna, OH 43230

August 27, 2010

Perry Township Trustees
7125 Sawmill Road
Dublin, OH 43016

Dear Trustees

American Electric Power (AEP) proposes to construct an electric transmission facility to be known as the Roberts – OSU 138 kV transmission line in Franklin County, Ohio.

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John Heppner
Project Engineer



American Electric Power
700 Morrison Road
Gahanna, OH 43230

August 27, 2010

Virginia Barney, City Manager
City of Upper Arlington
3600 Tremont Road
Upper Arlington, OH 43221

Dear City Manager:

American Electric Power (AEP) proposes to construct an electric transmission facility to be known as the Roberts – OSU 138 kV transmission line in Franklin County, Ohio.

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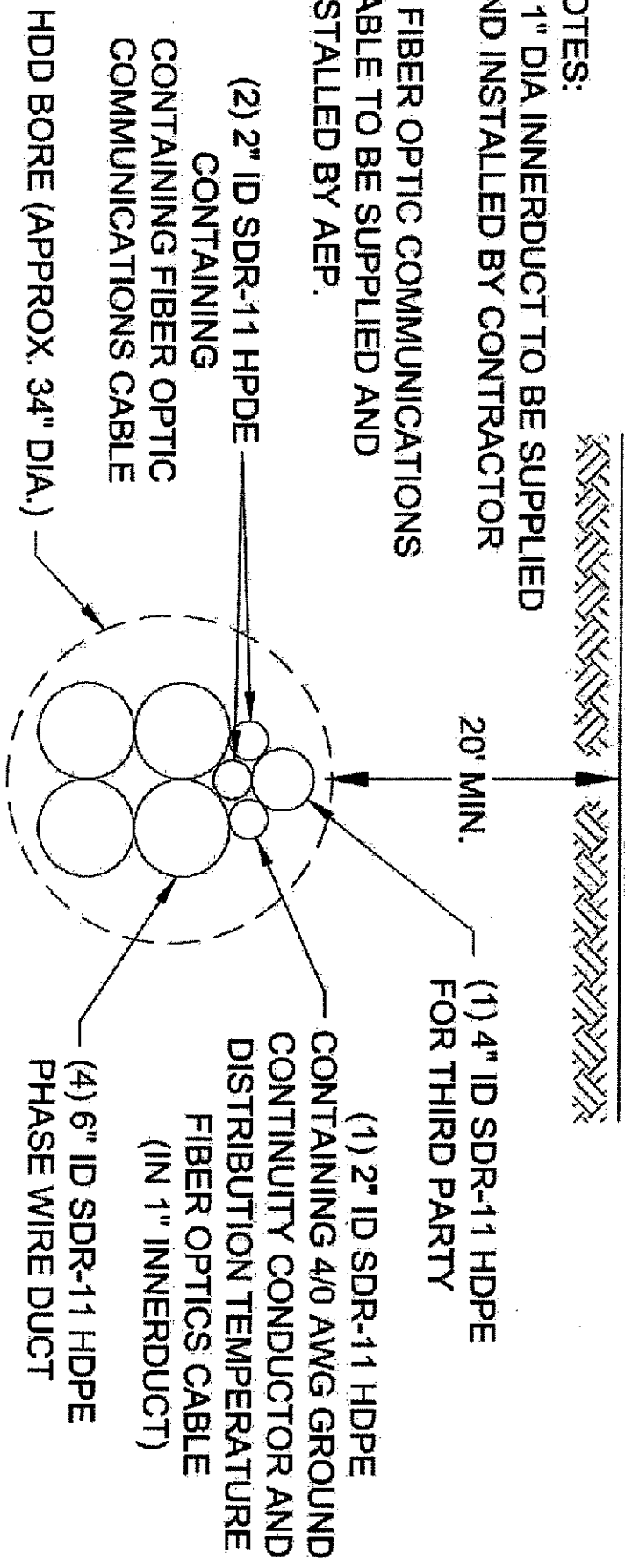
Sincerely,

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John Heppner
Project Engineer

NOTES:

- 1) 1" DIA INNERDUCT TO BE SUPPLIED AND INSTALLED BY CONTRACTOR
- 2) FIBER OPTIC COMMUNICATIONS CABLE TO BE SUPPLIED AND INSTALLED BY AEP.



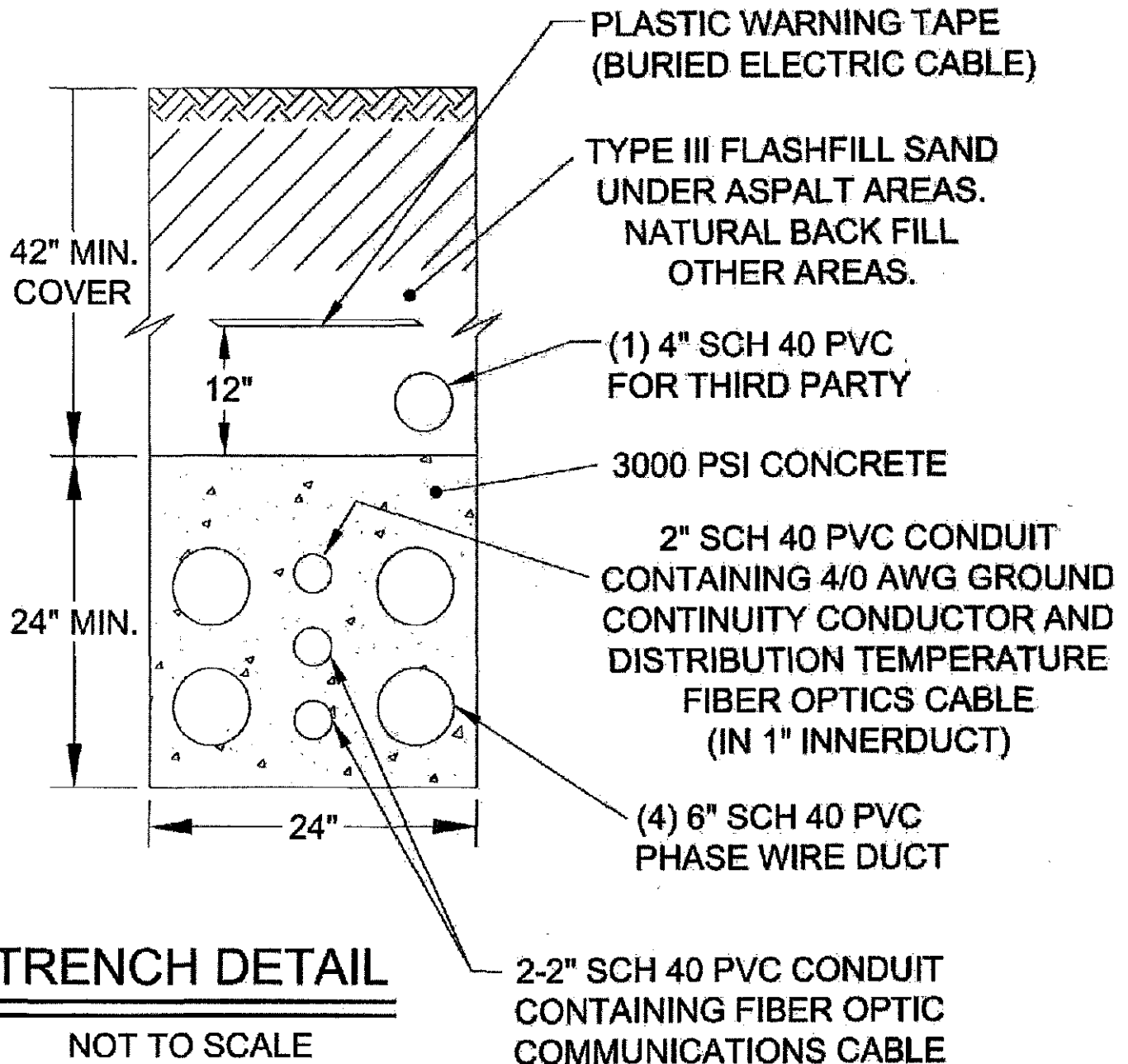
HDD BORE CROSS SECTION

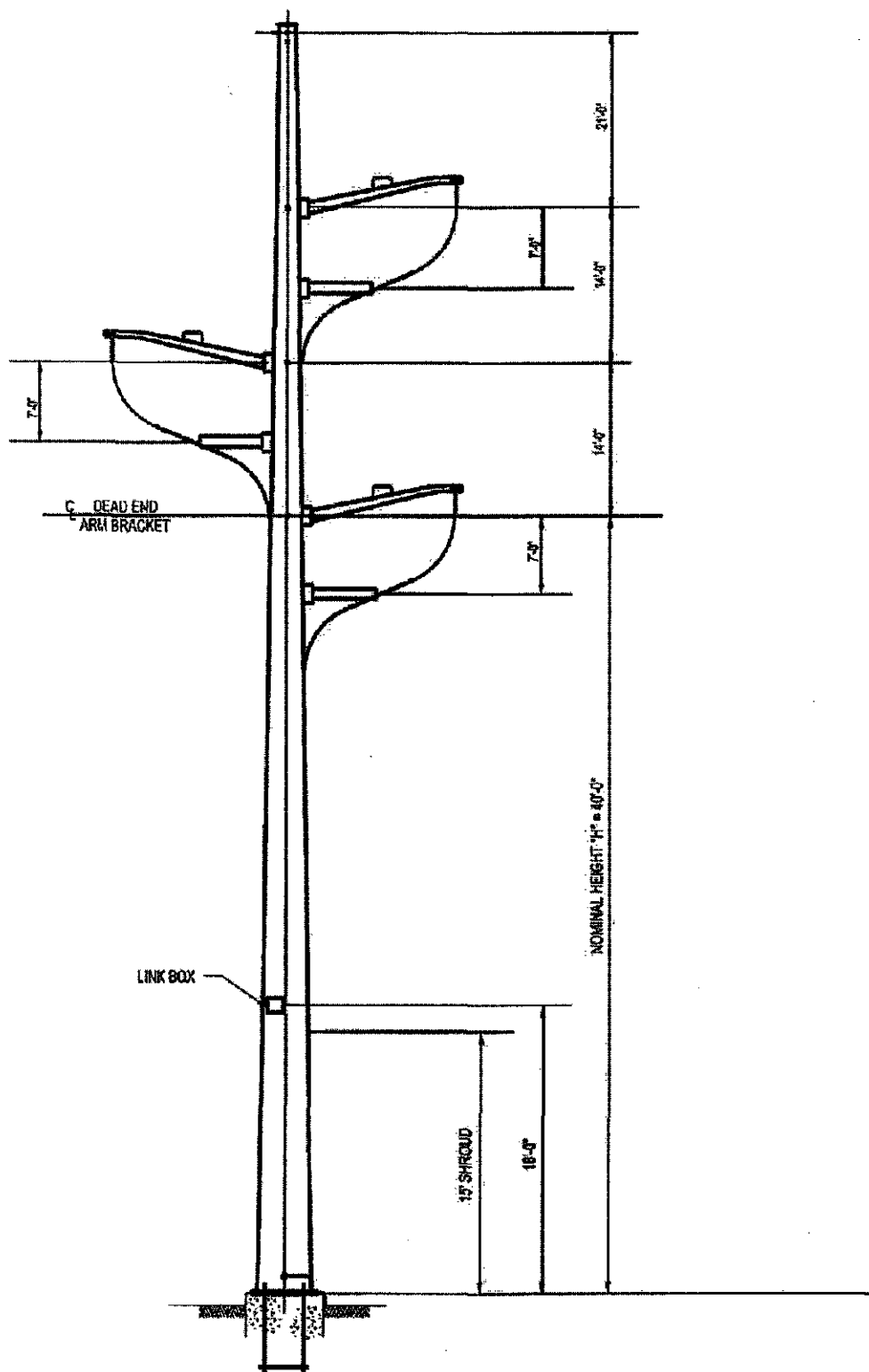
NOT TO SCALE

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AND INSTALLED BY CONTRACTOR

2) FIBER OPTIC COMMUNICATIONS
CABLE TO BE SUPPLIED AND
INSTALLED BY AEP.





ROBERTS-OSU 138KV LINE
OVERHEAD/UNDERGROUND RISER POLE
STRUCTURE 28