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Legal Department

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2007 APR 26 PM 2: 18

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

PUCO

April 26, 2007

The Honorable Alan R. Schriber  
Chairman  
Ohio Power Siting Board  
180 East Broad Street  
Columbus, Ohio 43215-3793

Steven T. Nourse  
Senior Counsel -  
Regulatory Services  
(614) 716-1608 (P)  
(614) 716-2014 (F)  
stnourse@aep.com

RE: Letter of Notification  
Harrison 138 kV Project

07-495-EL-BLA

Dear Chairman Schriber:

In accordance with Rule 4906-11-01, Columbus Southern Power Company,  
dba AEP Ohio provides this Letter of Notification to the Ohio Power Siting Board.

Should you have any questions, please do not hesitate to contact me.

Cordially,

*Steven T. Nourse / MR*

Steven T. Nourse  
Senior Attorney  
American Electric Power Service  
Corporation  
1 Riverside Plaza, 29<sup>th</sup> Floor  
Columbus, Ohio 43215  
Telephone: (614) 716-1608  
Facsimile: (614) 717-2950  
E-mail: stnourse@aep.com

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Technician Amc Date Processed 4/26/07

**Letter of Notification**  
for the  
**Harrison 138 kV Extension**

Submitted by  
**American Electric Power  
Columbus Southern Power Company**  
To  
**The State of Ohio Power Siting Board**

**April 2007**

# **Letter of Notification**

In accordance with Ohio Administrative Code Section 4906-11-01 Letter of Notification, American Electric Power submits the following information:

## **4906-11-01 (A) General Information**

### **4906-11-01 (A)(1) Project Name and Reference Number**

The name of this project is the Harrison 138 kV Extension. This project is not identified in Ohio Power and Columbus Southern Power Company's latest Long-Term Forecast.

### **4906-11-01 (A)(1) Description of the Project**

This project consists of relocating 0.63 miles of the Harrison 138 kV Extension for the Rickenbacker West Industrial Park, located in Obetz, Ohio. Four wood pole single circuit 138 kV structures are to be removed. Four three pole dead-ends and five two-pole H-frame structures are to be installed. The existing 636 kcm ACSR 26/7 conductors, OPGW and shield wire are to be removed. New conductor, OPGW and shield wire are to be installed. This project is on land owned by Pizzuti Land LLC, James Dill and Industrial CT LLC. Pizzuti will provide and/or acquire easements for CSP. Site preparation work in the area of the relocated line is to be performed by Pizzuti before CSP relocates its facilities. AEP does not plan to perform any site preparation work that could include tree clearing, pond draining or site grading. Pizzuti Land LLC will be paying for 100 % of the relocation costs.

### **4906-11-01 (A)(1) Reason the Project Meets Letter of Notification**

#### **Requirements**

This project meets the requirements for a Letter of Notification because the extent of this project is defined by Item (1)(c) of the Appendix A "Application

Requirement Matrix for Electric Power Transmission Lines". This project consists of rerouting a line, which is greater than 125 kV but less than 300 kV and not greater than 2 miles in length.

**4906-11-01 (A)(2) Need for the Project**

Pizzuti Land LLC has requested that we relocate a section of the Harrison 138 kV Extension to accommodate construction of the Rickenbacker West Industrial Park.

**4906-11-01 (A)(3) Project Location relative to Existing or Proposed Lines**

The location of this project is shown on Map 1 and Map 3. Map 3 is a reduced copy of Columbus Southern Power's Transmission System for December 31, 2012, as submitted to the Public Utilities Commission of Ohio in our latest Long-term Forecast Report. The proposed 138 kV project has been circled for easy identification.

**4906-11-01 (A)(4) Alternatives Considered**

No alternative locations were considered. Pizzuti Land LLC picked the sites for the relocated structures based on recommendations from AEP. Structures were located to reduce conflicts with the Rickenbacker West Industrial Park.

**4906-11-01 (A)(5) Anticipated Construction Schedule**

Construction to relocate the 0.63 miles of line is expected to begin in September 2007. This project is scheduled to be completed in December 2007.

**4906-11-01 (A)(6) Maps Depicting Project Location**

Two Maps have been prepared showing the project location. Map 1, the General Location Map, indicates the area surrounding the project. This map is a partial copy of United States Geologic Survey, Lockbourne, Ohio Quad. Map 2, the Detailed Site Map shows the line relocation. To view this project take US Route 23 south from Columbus, Ohio to the London-Groveport Rd. (SR 317), then turn left (East) to Canal Road. Project is on the North side of London-Groveport Road.

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

### **4906-11-01 (B)(1) Description of Technical Features**

The proposed relocation will be designed for and operated at 138 kV. Figure 1 depicts the typical proposed two pole wood 138 kV H-frame to be installed. Figure 1A depicts the typical 3-pole dead-end to be installed. Three 795 kcm ACSR 26/7 conductors, one OPGW and one 7No.8 alumoweld shield wires will be installed on the new structures.

### **4906-11-01 (B)(1) Number and Type of Structures**

Five 2-pole wood 138 kV H-frames (figure 1) and four 3-pole dead-end structures (figure 1A) with guying are to be installed.

### **4906-11-01 (B)(1) Right of Way and Land Requirements**

The relocated line will be constructed on land owned by Pizzuti Land LLC, James Dill and Industrial CT LLC. Three new easements will be obtained/provided by Pizzuti Land LLC and a partial release of an existing easement will be granted. No other additional land rights will be required.

**4906-11-01 (B)(2)(a) Calculated Electric and Magnetic Field Levels****Line Loadings & Rating**

	Normal Maximum Loading	Emergency Line Loading	Winter Normal Conductor Rating
	(MVA)	(MVA)	(MVA) (A.)
Harrison 138 kV Extension-	12.93	70.32	286.8 1,200

The Electrical and magnetic field levels for the proposed project were calculated for the conductor configuration used on this project, as depicted by figure 2.

Conductor

**Condition****Electrical Field (kV/M) Magnetic Field (mG)**

	Max Under Line	50' from Line	Max Under Line	50' from Line
<b><u>Normal Max. Loading</u></b>				
Harrison 138 kV Ext. -	1.14	0.60	7.22	2.45
<b><u>Emergency Line Loading</u></b>				
Harrison 138 kV Ext. -	1.12	0.59	47.15	16.00
<b><u>Winter Normal Cond. Rating</u></b>				
Harrison 138 kV Ext. -	1.35	0.62	232.9	70.25

**4906-11-01 (B)(2)(b) Discussion of Design Alternatives**

The developer requested that existing H-frame designs used on the existing line be used for the relocated structures. The electric and magnetic fields associated with these new structures are very similar to the existing structures.

#### **4906-11-01 (B)(3) Estimated Capital Costs**

The following estimated 2007 capital costs for the proposed project have been tabulated by the Federal Energy Regulatory Commission (FERC) Electric Plant Transmission Accounts:

<b><u>FERC Accounts</u></b>	<b><u>Estimated Capital Costs</u></b>
355 Poles & Fixtures	\$ 600,000
356 Overhead Conductors & Devices	<u>\$ 200,000</u>
Total	\$ 800,000

#### **4906-11-01 (C) Socioeconomic Data**

##### **4906-11-01 (C)(1) Land Use and Population Density**

This project is located in Section 25, Hamilton Township, and Franklin County, Ohio. The immediate area surrounding the project has been commercially developed or is being commercially developed. The project area (census tract 95.90 Franklin Co., Ohio) has a population density of 240-people/square mile based upon 2000 census data.

##### **4906-11-01 (C)(2) Location and Description of Existing Agricultural Districts**

The proposed relocation is not within any agricultural and or within the limits of an Agricultural District as defined by Chapter 929 of the Ohio Revised Code.

##### **4906-11-01 (C)(3) Archaeological and Cultural Resources**

A search of the Ohio Historic Preservation Office (OHPO) National Register of Historic Places and an archaeological survey were conducted by the ASC Group. The Literature review indicated that six cultural resource surveys had located cultural resources, but none of them were affected by the Harrison 138 kV Extension. None of these sites were recommended as eligible for listing on the NRHP, nor are any listed on the NRHP. No archaeological sites were located during the Phase 1 archaeological survey for the pole locations and none of the sites located during the Lockbourne Development Project are near the proposed pole locations. A copy of ASC Group's "Summary of Phase 1 Archaeological Research for the proposed Harrison 138 kV Extension near Obetz, Ohio." is attached. Properties on the OHPO database include all 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) Local Officials to be Notified**

Copies of this Letter of Notification have been sent to the Franklin County Commissioners, the Hamilton Township Trustees and the Major of Obetz, Ohio. Copies of the cover letters to these officials are attached.

**4906-11-01 (C)(4) Public Information Program**

This project is mostly located on a large tract of land owned by Pizzuti Land LLC. Two adjacent property owners will be minimally affected by this proposed relocation.

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

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

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

This line will be designed, constructed and operated to meet or exceed the requirements of the National Electric Safety Code, American Electric Power design standards and all applicable OSHA standards.

**4906-11-01 (D) Environmental**

**4906-11-01 (D)(1) Endangered or Threatened Species**

The United States Department of the Interior's Fish and Wildlife Service and the Ohio Department of Natural Resources' Division of Natural Areas and Preserves were contacted regarding the presence of any endangered, threatened or rare species that may be affected by this project. The Fish & Wildlife Services indicated that the project area lies within the range of the Indiana Bat, clubshell, northern riffleshell, Scioto madtom, bald eagle and the rayed bean. Due to the project type, size, and location, the project, should not impact these species or their habitat. Few trees are in the project area. Attached is the response from the United States Department of Interior Fish and Wildlife Services.

The Ohio Department of Natural Resources' Division of Natural Areas and Preserves has no records of rare or endangered species within the project area. However, the Ohio Department of Natural Resources did have one record of a



rare species within a one-mile radius of the project site. The location for the Upland Sandpiper (threatened) is shown in red on ODNR's attached map (USGS). They also stated that there is no existing or proposed state nature preserves or scenic rivers at the project site. Attached is the response from the Ohio Department of Natural Resources' Division of Natural Areas and Preserves.

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

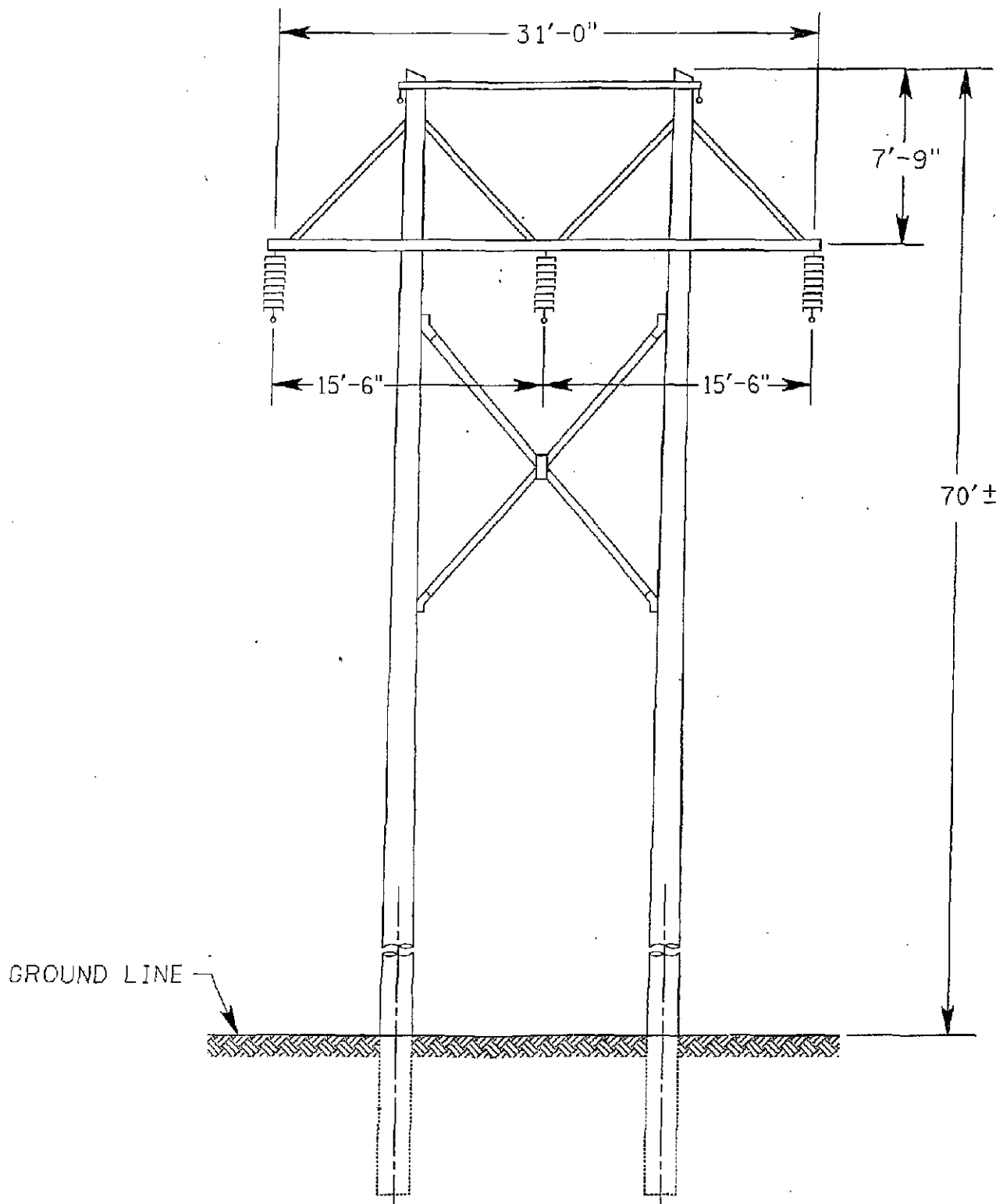
The United States Department of the Interior's Fish and Wildlife Service and the Ohio Department of Natural Resources' Division of Natural Areas and Preserves were contacted regarding the presence of any areas of ecological concern. Neither agency reported anything of concern in the project area. The proposed transmission line is not within the confines of any wetlands, state or national forest or preserves or floodplains. There are no federal wilderness areas, wildlife refuges or designated Critical Habitat within the proposed site.

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

There are no unusual conditions that will result in significant environmental or social impacts from the installation and operation of this relocated 138 kV transmission line project.

## **Appendix;**

Maps, Figures & Correspondence



GROUND LINE

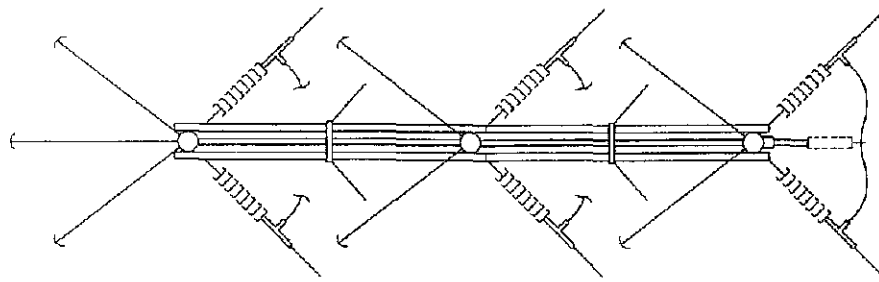
HARRISON 138kV EXTENSION

**AEP** **AMERICAN**  
**ELECTRIC**  
**POWER**

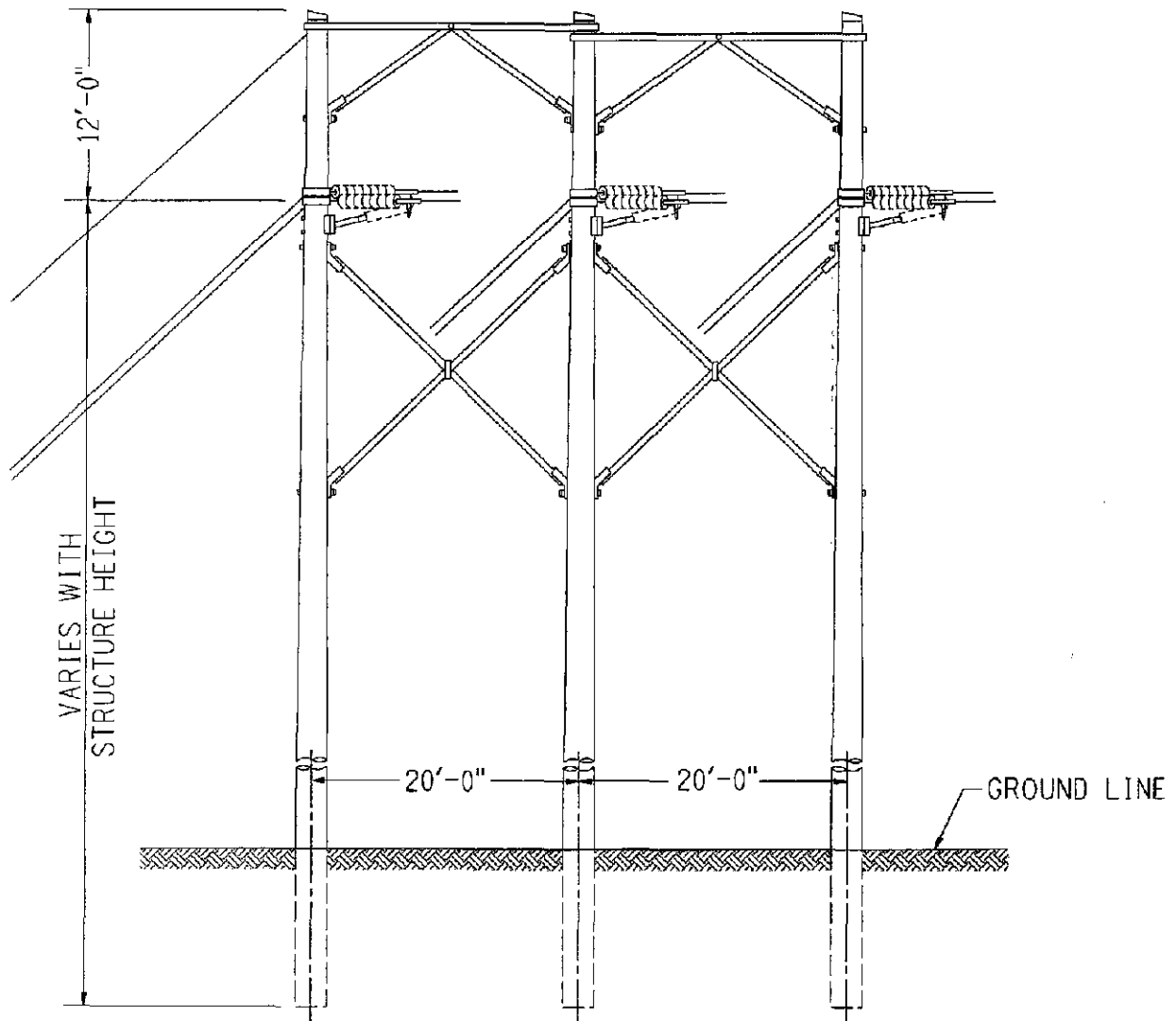
TWO POLE  
TANGENT STRUCTURE

NOT TO SCALE

FIGURE 1



TOP VIEW



HARRISON 138kV EXTENSION



MULTIPLE POLE  
STRAIN STRUCTURE

NOT TO SCALE

FIGURE 1A



PRELIMINARY  
STRUCTURE  
LOCATION

04-13-07

HARRISON ET DUNN, LLC  
HARRIS, TEXAS  
HARRIS COUNTY, TEXAS  
41.62 ACRES

PROPOSED  
FUTURE  
BUILDING C

712,800 S.F.

PROPOSED  
FUTURE  
BUILDING D

816,000 S.F.

OUT LOT 2

OUT LOT 3

RETENTION

5.3 ACRES

RETENTION

5.3 ACRES

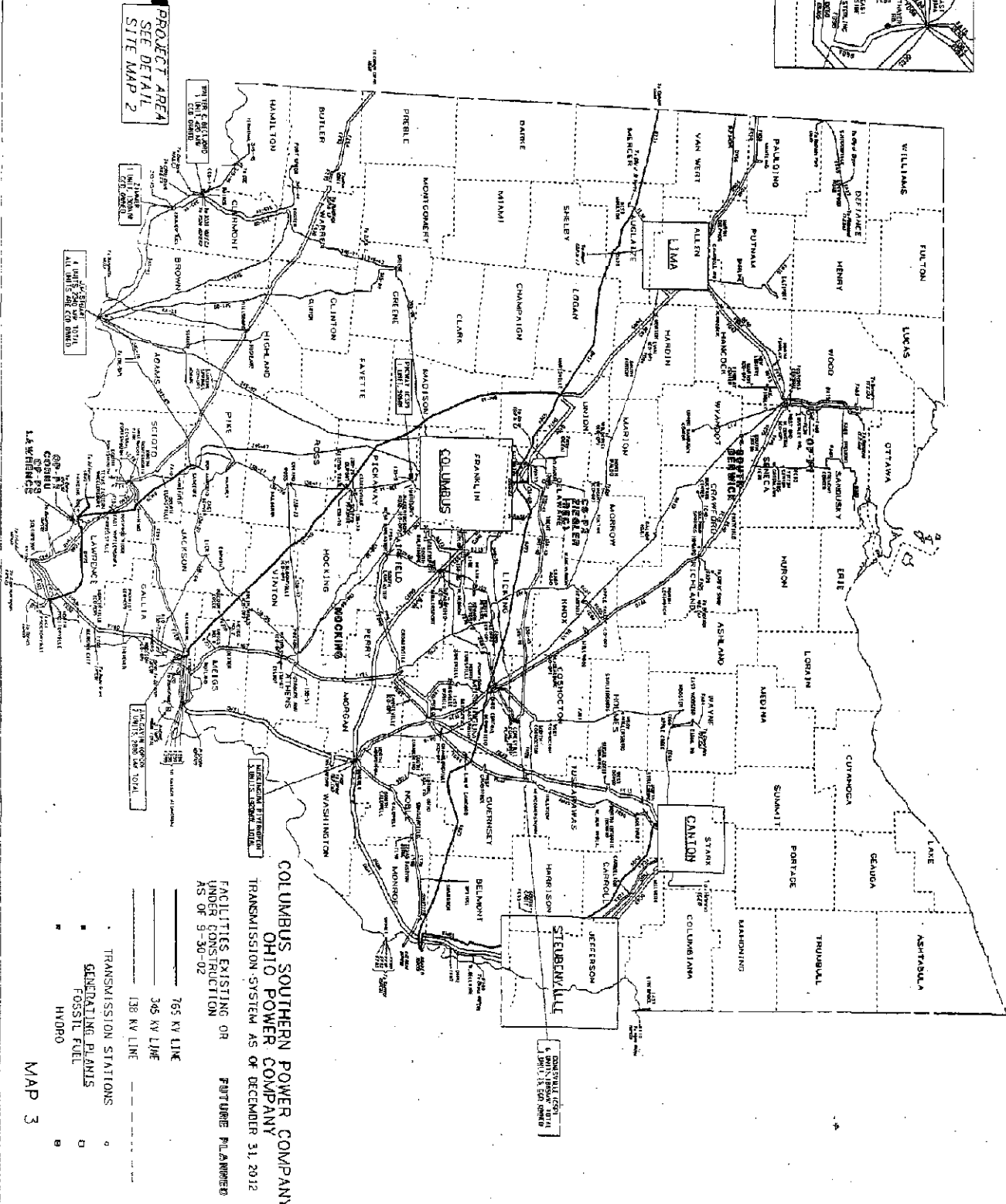
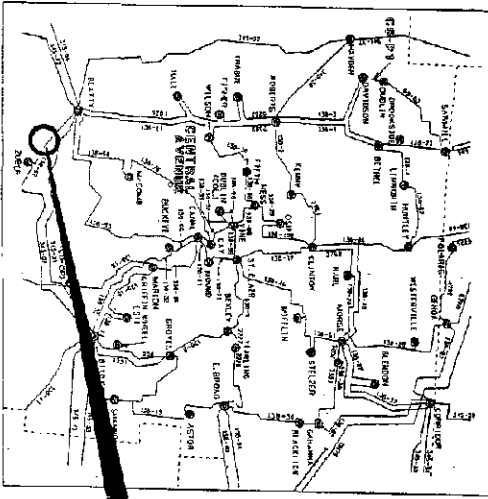
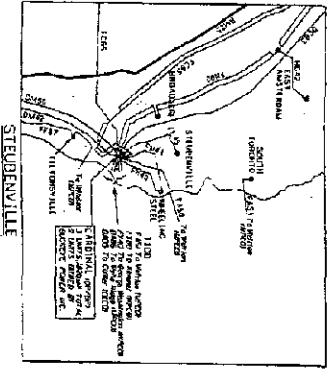
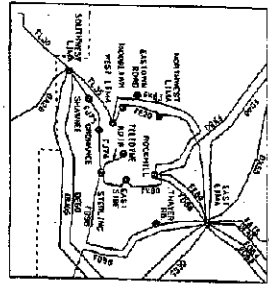
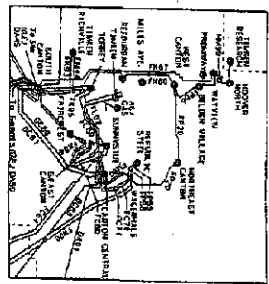
HARRISON 138kV EXTENSION

AEP AMERICAN  
ELECTRIC  
POWER

DETAIL SITE MAP

NOT TO SCALE

MAP 2



PROJECT AREA  
SEE DETAIL  
SITE MAP 2

COLUMBUS SOUTHERN POWER COMPANY  
OHIO POWER SYSTEM AS OF DECEMBER 31, 2012



## Ohio Department of Natural Resources

TED STRICKLAND, GOVERNOR

SEAN D. LOGAN, DIRECTOR

### Division of Natural Areas and Preserves

Bob Gable, Acting Chief

2045 Morse Rd., Bldg. F-1

Columbus, OH 43229-6693

Phone: (614) 265-8453; Fax: (614) 267-3096

March 16, 2007

Len Mikles  
ASC Group, Inc.  
4620 Indianola Ave.  
Columbus, OH 43214

Dear Len:

I have reviewed our Natural Heritage maps and files for the 138 kV Transmission Line Relocation project area, including a one mile radius, in Hamilton Township, Franklin County and on the Lockbourne Quad (1674). We have no records for rare or endangered species or other significant natural features within the project area. However, we have one record within the one mile radius of the project site. The location for the Upland Sandpiper (*Bartramia longicauda*), threatened, is shown in red on the attached map.

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 or state parks, forests or wildlife areas in the project vicinity. We also have no records for Indiana Bat (*Myotis sodalis*, state endangered, federal endangered) capture locations or hibernacula within a five mile radius of the project site. The nearest Indiana Bat location is approximately 40 miles to the southeast of the project site in Wayne National Forest, Falls Gore Township, Hocking County.

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. Also, we do not have data for all Ohio wetlands. For National Wetlands Inventory maps, please contact Madge Fitak in the Division of Geological Survey at 614-265-6576.

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

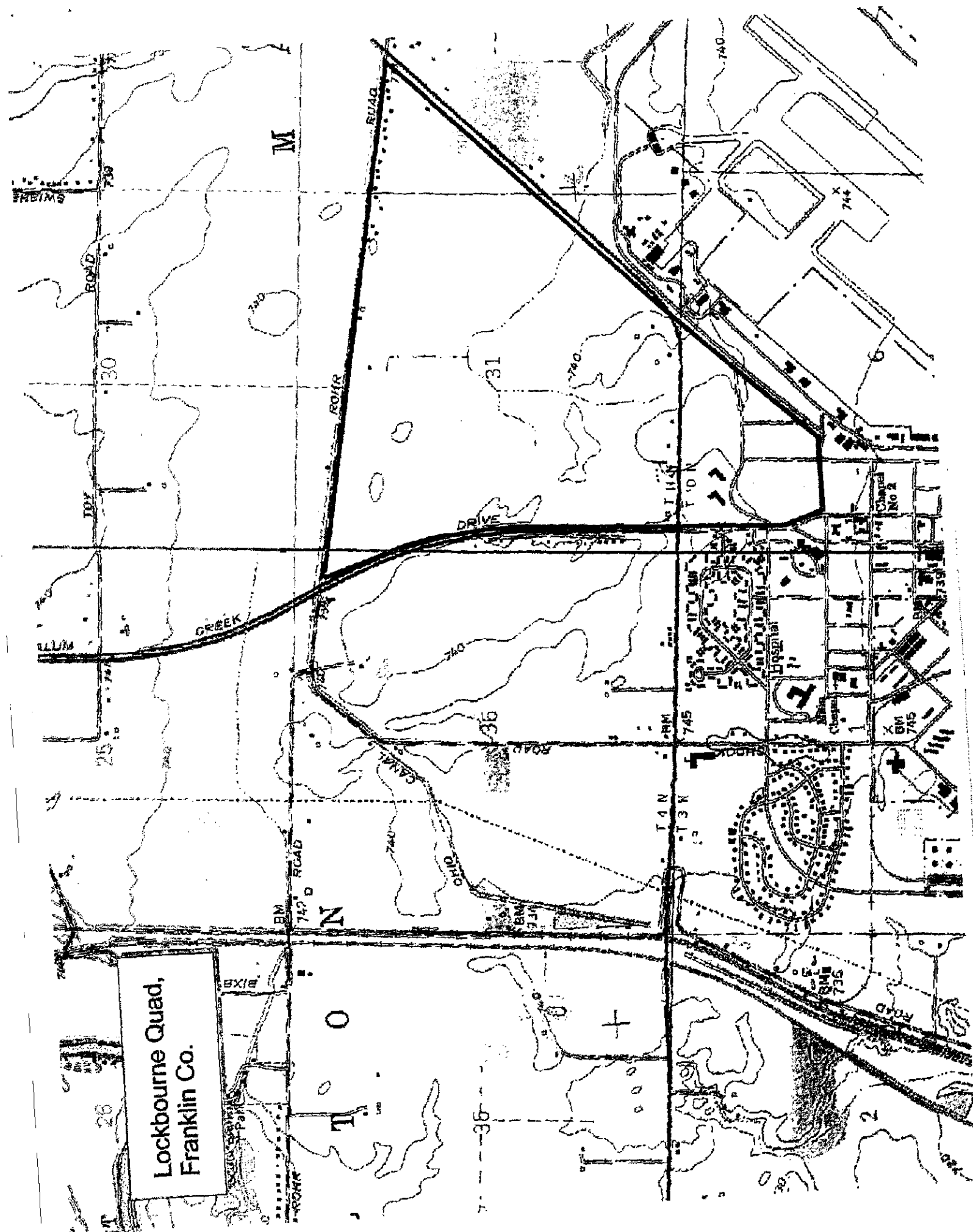
Sincerely,

Debbie Woischke, Ecological Analyst  
Natural Heritage Program





Lockbourne Quad,  
Franklin Co.





## United States Department of the Interior

### FISH AND WILDLIFE SERVICE

Ecological Services  
6950 Americana Parkway, Suite H  
Reynoldsburg, Ohio 43068-4127

(614) 469-6923/FAX (614) 469-6919  
March 29, 2007

Len Mikles  
ASC Group, Inc.  
4620 Indianola Avenue  
Columbus, OH 43214

TAILS# 31420-2007-TA-0463

Dear Mr. Mikles:

This is in response to your the March 15, 2007 letter requesting U.S. Fish and Wildlife Service technical assistance regarding the proposed relocation of an existing 138kV transmission lines in Hamilton Township, Franklin County, Ohio. The study area for the project is located north and northeast of the intersection of the London-Groveport Road and Norfolk and Western Railway.

There are no Federal wilderness areas, wildlife refuges, or designated Critical Habitat within the vicinity of the proposed site.

**ENDANGERED SPECIES COMMENTS:** The proposed project lies within the range of the **Indiana bat** (*Myotis sodalis*), a Federally-listed endangered species. Since first listed as endangered in 1967, their population has declined by about 50%. Several factors have contributed to the decline of the Indiana bat, including the loss and degradation of suitable hibernacula, human disturbance during hibernation, pesticides, and the loss and degradation of forested habitat, particularly stands of large, mature trees. Fragmentation of forest habitat may also contribute to declines. Summer habitat requirements for the species are not well defined but the following are considered important:

- (1) dead or live trees and snags with peeling or exfoliating bark, split tree trunk and/or branches, or cavities, which may be used as maternity roost areas;
- (2) live trees (such as shagbark hickory and oaks) which have exfoliating bark;
- (3) stream corridors, riparian areas, and upland woodlots which provide forage sites.

Should the proposed site contain trees or associated habitats exhibiting any of the characteristics listed above, we recommend that the habitat and surrounding trees be saved wherever possible. If the trees must be cut, further coordination with this office is requested to determine if surveys are warranted. Any survey should be designed and conducted in coordination with the Endangered Species Coordinator for this office.


The project lies within the range of the Federally-listed endangered **clubshell** (*Pleurobema*

*clava*), northern riffleshell (*Epioblasma torulosa rangiana*), and Scioto madtom (*Noturus trautmani*), the bald eagle (*Haliaeetus leucocephalus*), a Federally-listed threatened species and the rayed bean (*Villosa fabalis*), a Federal Candidate species. Due to the project type, size, and location, the project, as proposed, should not impact these species or their habitat.

These comments have been prepared under the authority of the Fish and Wildlife Coordination Act (48 Stat. 401, as amended; 16 U.S.C. 661 et seq.), the Endangered Species Act of 1973, as amended, and are consistent with the intent of the National Environmental Policy Act of 1969 and the U. S. Fish and Wildlife Service's Mitigation Policy. This letter provides technical assistance only and does not serve as a completed ESA section 7 consultation document.

If you have any questions concerning your request, please contact Angela Zimmerman at (614) 469-6923 extension 22.

Sincerely,

A handwritten signature in cursive script, reading "Mary Knapp", followed by a horizontal line.

Mary Knapp, Ph.D.  
Field Supervisor

cc: ODNR, Div. of Wildlife, SCEA Unit, Columbus, OH



DEPARTMENT OF THE ARMY  
HUNTINGTON DISTRICT, CORPS OF ENGINEERS  
502 EIGHTH STREET  
HUNTINGTON, WEST VIRGINIA 25701-2070

March 26, 2007

REPLY TO  
ATTENTION OF

Planning Branch  
FPM/Special Studies Section

Mr. Len Mikles, Senior Ecologist  
ACS Group, Inc.  
4620 Indianola Ave  
Columbus, OH 43214

Dear Mr. Mikles:

This is in response to your letter dated March 19, 2007 requesting a floodplain site evaluation in regard to a proposed relocation of a portion of American Electric Power's Rickenbaker West 138kV electrical transmission line located in Hamilton Township in Franklin County, Ohio. Based upon the information provided, this site is located in Zone X as shown on the enclosed portion of Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) 39049C0355 G, dated August 2, 1995. The Zone X designation indicates that the site is not within the boundary of the 100 year floodplain.

If you require any further information please contact Mr. Stephen Porter, of the Floodplain Management and Special Studies Section, at 304-399-5062.

Sincerely,

A handwritten signature in black ink, appearing to read "John R. Yeager", is written over a large, stylized oval shape.

John R. Yeager  
Chief, FPM/Special Studies Section

Encl: as

CF:

Mr. Matt Brown, Planner  
Franklin County Development Department  
280 East Broad Street, RM 20  
Columbus, OH 43215

RANGE RATE MAP effective date shown on this map to rates apply to structures in the zones where elevation established.

insurance is available in this community, contact your National Flood Insurance Program at (800) 638-6620.



APPROXIMATE SCALE

0 1000 FEET

## NATIONAL FLOOD INSURANCE PROGRAM

# FIRM FLOOD INSURANCE RATE MAP FRANKLIN COUNTY, OHIO AND INCORPORATED AREAS

PANEL 355 OF 387

(SEE MAP INDEX FOR PANELS NOT PRINTED)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
COLUMBUS, CITY OF	39070	0355	G
ORBITZ, VILLAGE OF	39076	0355	G
UNINCORPORATED AREAS	39067	0355	G

Notice to User: The MAP NUMBER shown below should be used when placing map orders; the COMMUNITY NUMBER shown above should be used on insurance applications for the subject community.

MAP NUMBER  
39049C0355 G

EFFECTIVE DATE:  
AUGUST 2, 1995



Federal Emergency Management Agency

## LEGEND



SPECIAL FLOOD HAZARD AREAS INUNDATED BY 100-YEAR FLOOD

- ZONE A No base flood elevations determined.
- ZONE AE Base flood elevations determined.
- ZONE AH Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.
- ZONE AO Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE A99 To be protected from 100-year flood by Federal flood protection system under construction; no base flood elevations determined.
- ZONE V Coastal flood with velocity hazard (wave action); no base flood elevations determined.
- ZONE VE Coastal flood with velocity hazard (wave action); base flood elevations determined.



FLOODWAY AREAS IN ZONE AE

## OTHER FLOOD AREAS



ZONE X Areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile, and areas protected by levees from 100-year flood.

## OTHER AREAS



ZONE X Areas determined to be outside 500-year floodplain.

ZONE D Areas in which flood hazards are undetermined.

## UNDEVELOPED COASTAL BARRIERS\*



Identified  
1983

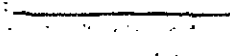


Identified  
1990



Otherwise  
Protected Areas

\*Coastal barrier areas are normally located within or adjacent to Special Flood Hazard Areas.



Floodplain Boundary



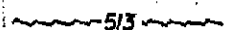
Floodway Boundary



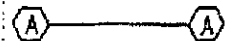
Zone D Boundary



Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zones.



Base Flood Elevation Line; Elevation in Feet\*\*



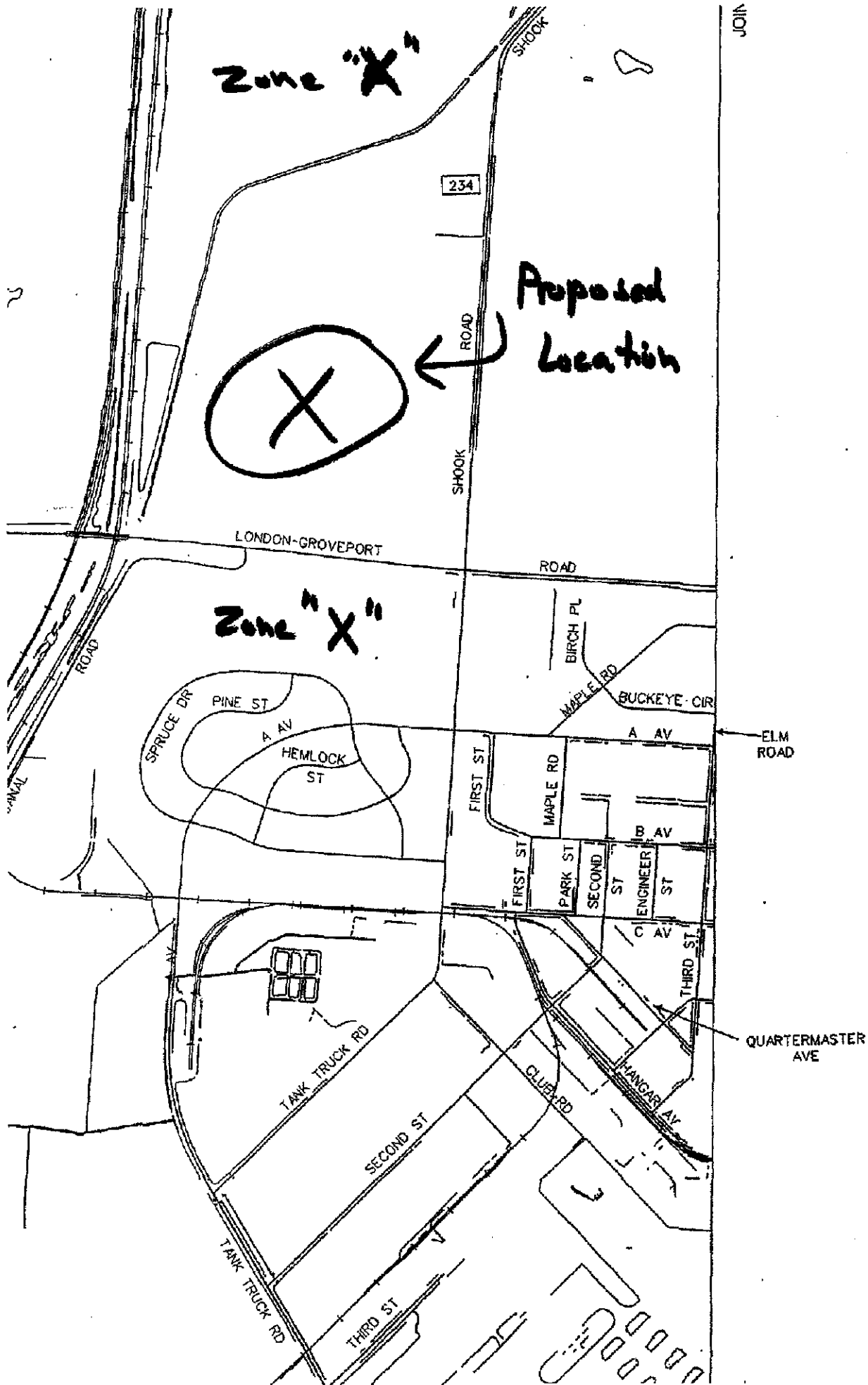
Cross Section Line

(EL 987)

Base Flood Elevation in Feet Where Uniform Within Zone\*\*

RM7..

Elevation Reference Mark



EFFECT

Refer to the FLOOR determine when oc  
tions or depths hav  
To determine if fl  
insurance agent or



April 18, 2007

Mr. Howard Loucks  
American Electric Power  
700 Morrison Rd.  
Gahanna, Ohio, 43230-8250  
614-552-1194

**Re: Summary of Phase I Archaeological Research for the proposed  
Harrison 138 kV extension near Obetz, Ohio**

Dear Mr. Loucks,

I am writing to you to summarize the archaeological and historical research carried out for the proposed 0.63-mile Harrison 138 kV extension, in Hamilton Township, Franklin County, Ohio. The project is near the Village of Obetz. ASC Group, Inc., was contracted by American Electric Power to perform a Phase I literature review for archaeology and history/architecture as well as a Phase I archaeological survey. As you know, ASC Group is also under contract with Benesch Freidlander Copland & Aronof, LLP, to conduct a literature review and Phase I cultural resources survey for the Lockbourne Development project, which overlaps the area under consideration for the electric pole relocation.

The proposed project involves the relocation of electric lines and the siting of new pole locations for a 0.63-mile (1.01-km) length. The ground cover is woods and limited areas of agricultural fields. The project also crosses the area of the Ohio and Erie Canal.

#### **Summary of Literature Review**

On March 19 and 20, 2007, Alan Tonetti of ASC Group accessed the following records at the Ohio Historic Preservation Office (OHPO), Columbus:

1. National Historic Landmark list;
2. National Register of Historic Places (NRHP) list;

3. NRHP formal determination of eligibility (DOE) list;
4. NRHP consensus DOE and preliminary DOE lists;
5. NRHP nomination forms;
6. Draft NRHP nomination forms;
7. Inactive NRHP nomination forms;
8. NRHP questionnaires;
9. Roger Troutman's (2003) *Ohio Cemeteries: 1803–2003*;
10. Ohio Historic Inventory (OHI) forms;
11. Contract architectural history reports;
12. United States Geological Survey 7.5' topographic maps for the Ohio Archaeological Inventory (OAI);
13. United States Geological Survey 15' topographic maps;
14. William Mills' (1914) *Archeological Atlas of Ohio*;
15. OAI forms; and Contract archaeology reports.

On March 21, 2007, historical maps and atlases pertaining to the project's Area of Potential Effects (APE) were reviewed at the Ohio Historical Society's Archives/Library.

The literature review revealed that no cultural resources surveys had been carried out in the APE and there were no inventoried archaeological sites or buildings, although the project does cross the Ohio and Erie Canal. Six relatively recent cultural resources surveys have been conducted in the vicinity of the project's APE. All of these surveys identified archaeological sites, mostly prehistoric isolated finds or small- to medium-sized lithic scatters. A few are small historic sites. None of these sites was recommended eligible for listing on the NRHP, nor are any listed on the NRHP. Three buildings in the vicinity of the project's APE have been recorded in the OHI. FRA-8399-25 did not meet the NRHP criteria for evaluation. The recommendation by Burcham (2001) concerning the NRHP criteria for evaluation for FRA-2372-25 is not known because Burcham's report is not on file at the OHPO. The NRHP criteria for evaluation do not appear to have been formally applied to FRA-2373-25.

Historic atlases and maps depict early buildings in the vicinity of the APE for the project, beginning with Henry F. Wheeler's map of Franklin County in 1842. The atlases were checked because sometimes remains of buildings and their occupations become historic archaeological sites. Although six atlas sites were noted from these early maps, only one was close enough to the proposed relocation of the 138 kV electrical poles to warrant discussion. The 1925 East Columbus 15' topographic map depicts a structure just north of London-Groveport Road, and east of the railroad and canal, although no structure appears on earlier or later maps.

Finally, it should be noted that this portion of the Ohio & Erie Canal does not appear to have been evaluated against the NRHP criteria for evaluation. In 1998, however, the OHPO



wrote that the portion of the Ohio & Erie Canal between the eight canal locks (locks 23 to 30) in and north of the Village of Lockbourne appeared to meet the NRHP criteria for evaluation under Criteria A and C for association with important transportation events and canal engineering, respectively (Nathalie L. Wright to Eunice McMullen, letter, 8 May 1998, National Register Questionnaires, OHPO, Columbus). The northernmost of the canal locks, lock 23, is approximately 2,500 ft (762 m) south of the project's direct effects APE. Historic mapping of the canal do not depict any facilities (i.e., locks or buildings) in the area of the canal adjacent to the proposed electric pole relocation.

### **Summary of Archaeological Fieldwork**

Because the project areas for the Harrison 138 kV extension and the Lockbourne Development Project overlap, it is difficult to summarize the results of the first investigation without mentioning the second investigation. The fieldwork discussed here took place during four separate days during the last week of March and the first two weeks of April, 2007. The proposed electric pole relocation begins just north London-Groveport Road (where the line currently runs) and would be diverted westward over a wooded area (adjacent to the existing railroad line). This area is bounded by the Norfolk and Western railroad on the west and the canal on the east. This area was examined via shovel testing at a 50-ft (15-m) interval. Many areas proved to have standing water or be thoroughly disturbed by prior earthmoving, including railroad construction and the construction of a BMX track, pond, and three modern cinderblock buildings, now in ruins (visible on the 1974 Lockbourne 7.5' topographic map). Although 42 shovel test pits (STPs), 20 in x 20 in (50 cm x 50 cm) in size, were excavated into relatively undisturbed soil, another 52 STP locations proved to be disturbed and consisted of layers of fill, in some cases with admixtures of sand, coal, and gravel, presumably from the railroad. In some STP locations, excavations were not undertaken due to visible ground disturbance and standing water. The two new pole locations in this wooded area were noted, one at the extreme southern end of the woodlot and one at the northwest corner of the woodlot. The southern end of the woodlot was shovel tested although ground disturbance was detected in almost every STP. The atlas site noted on the 1925 East Columbus 15' topographic map appears to have been located near this area, although it may have been in an area that is now an agricultural field. Regardless, the shovel testing and surface collection of the adjacent field did not detect any archaeological remnants and it is likely the building was demolished and removed. No artifacts and no cultural resources were encountered in this area.

The proposed electrical pole relocation would tie in to the existing line at two locations adjacent to the existing poles. In addition to the wooded area mention, there are agricultural fields and the proposed line crosses the canal. The southeasternmost pole location is adjacent to a gravel access road north of London-Groveport Road. At the time of survey, the surface visibility in these fields was 50-95 percent with light to moderate bean stubble present. Surface

collection was carried out at 33-ft (10-m) intervals. Eight small lithic scatters (one had a minor historic component consisting of a scatter of stoneware ceramics) and five prehistoric isolated finds (i.e., single prehistoric projectile points or chert flakes) were noted in these fields during the survey for the Lockbourne Development Project, but none of these sites are located in close proximity to the proposed pole locations. The closest, a single stone projectile point was found about 300 ft (91 m) north of the southeasternmost pole location (just north of London-Groveport Road), although nothing else was found nearby. None of the archaeological finds are considered to be significant. Also, all of these sites are disturbed by agricultural plowing and it is doubtful that more significant finds would be made if more archaeological work were carried out.

## **Conclusion**

The literature review indicated that six previous cultural resources surveys had located cultural resources, i.e., numerous archaeological sites and three inventoried buildings are in the vicinity of the project APE, but none of them were located in the direct effects APE for the Harrison 138 kV extension, as the area is previously unsurveyed. The exception is the Ohio and Erie Canal, a previously known resource that the proposed electrical line relocation will cross, although the proposed pole locations will not impact the canal. No archaeological sites were located during the Phase I archaeological survey for the pole locations and none of the sites located during the Lockbourne Development Project are near the proposed pole locations. Because of the negative results of the Harrison 138 kV survey it is recommended that no further work is needed for the proposed relocation of the electrical poles. It should be noted that a full report of the Lockbourne Development Project Phase I archaeological survey will be submitted to the Ohio Historic Preservation Office in May once it is completed.

Sincerely,



Kevin R. Schwarz, Ph.D.  
Principal Investigator  
ASC Group, Inc.  
kschwarz@ascgroup.net

## **Reference**

Burcham, James B.

2001 Phase I Cultural Resources Management Investigations for a Proposed Development in Hamilton Township, Franklin County, Ohio. Submitted to and copies available from FED ONE, Plain City, Ohio.



American Electric Power  
700 Morrison Road  
Bathanna, OH 43230-6642  
www.aep.com

April 25, 2007

Mayor Rod E. Davisson  
Village of Obetz, Ohio  
4175 Alum Creek Drive  
Obetz, Ohio 43207

**Letter of Notification  
Harrison Extension 138 kV Line  
Relocate for Rickenbacker West Industrial Park**

Dear Mayor:

In accordance with Chapter 4906 of the Ohio Administrative Code, the Columbus Southern Power Company is required to submit a Letter of Notification to the State of Ohio Power Siting Board whenever a substantial change is made to our transmission facilities.

Columbus Southern Power is planning to relocate 0.63 miles of the existing Harrison Extension 138 kV line to eliminate conflicts with the proposed Rickenbacker West Industrial Park in the Village of Obetz, Ohio.

In compliance with Rule 4906-11-01 of the OPSB Rules and Regulations, we have prepared and filed the attached Letter of Notification. This Notification contains details on the structures, structure types and construction schedules and is hereby submitted for your information.

Cordially,

Howard C. Loucks  
Transmission Line Engineering-AEP  
614-552-1194

Enclosure

cc. Power Sitting Board

Mayor3.doc

April 25, 2007

Franklin County Commissioners  
373 South High St.  
Columbus, Ohio 43215

**Letter of Notification  
Harrison Extension 138 kV Line  
Relocate for Rickenbacker West Industrial Park**

Dear Commissioners:

In accordance with Chapter 4906 of the Ohio Administrative Code, the Columbus Southern Power Company is required to submit a Letter of Notification to the State of Ohio Power Siting Board whenever a substantial change is made to our transmission facilities.

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Cordially,

*Howard C. Loucks*

Howard C. Loucks  
Transmission Line Engineering-AEP  
614-552-1194

Enclosure

cc. Power Siting Board

Commiss3.doc



American Electric Power  
700 Morrison Road  
Columbus, OH 43230-6642  
www.aep.com

April 25, 2007

Hamilton Township Trustees  
6400 Lockbourne Road  
Columbus, Ohio 43207

**Letter of Notification  
Harrison Extension 138 kV Line  
Relocate for Rickenbacker West Industrial Park**

Dear Trustees:

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In compliance with Rule 4906-11-01 of the OPSB Rules and Regulations, we have prepared and filed the attached Letter of Notification. This Notification contains details on the structures, structure types and construction schedules and is hereby submitted for your information.

Cordially,

A handwritten signature in black ink that reads 'Howard C. Loucks'.

Howard C. Loucks  
Transmission Line Engineering-AEP  
614-552-1194

Enclosure

cc. Power Siting Board

Trustee3.doc