AEP
AMERICAN ELECTRIC POWER

Legal Department

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

Ms. Betty McCauley
Director, Administration Department
Secretary to the Commission
Docketing Division
The Public Utilities Commission of Ohio
Ohio Power Siting Board
180 East Broad Street
Columbus, Ohio 43215

Yazen Alami
Regulatory Services
(614) 716-2920 (P)
(614) 716-2950 (F)
yalami@aep.com

January 28, 2013

RE: Letter of Notification
Case No. 13-0170-EL-BLN Wagenhals-West Canton 138kv Line Improvement Project

Dear Ms. McCauley:

In accordance with Rules 4906-5-02 and 4906-11-01, Ohio Administrative Code ("OAC"), AEP Ohio Transmission Company ("AEP Transco") submits this Letter of Notification for expedited approval. A copy of a check in the amount of $2,000 for the expedited application processing fee will be filed under separate cover. The requested start date of construction is March 11, 2013, and is scheduled to be completed by November 15, 2013.

As required by Rule 4906-11-01(D)(4), AEP Transco has submitted a copy of this Letter of Notification to the chief executive officer of each municipal corporation and county and the head of each public agency charged with protecting the environment or of planning land use in the area in which the proposed project will be located. Attached to the Letter of Notification are copies of cover letters that have been submitted to the County of Stark, City of Canton, and the Townships of Jackson, Plain and Canton, Ohio.

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

Respectfully submitted,

/s/ Yazen Alami
Yazen Alami

Attachments

LETTER OF NOTIFICATION FOR THE

WAGENHALS-WEST CANTON 138kV LINE PROJECT

PUCO Case Number 13- 170 -EL-BLN

Submitted pursuant to OAC 4906-11-01

AEP Ohio Transmission Company
("AEP Transo")

January 2013

LETTER OF NOTIFICATION
Wagenhals-West Canton 138kV Line Project

American Electric Power Ohio Transmission Company (AEP Transco) is providing the following information in accordance with the procedures delineated in Ohio Administrative Code Section 4906-11-01: Letter of Notification Requirements of the Rules and Regulations of the Ohio Power Siting Board.

4906-11-01 (B): General Information

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

The name of this project is the Wagenhals-West Canton 138kV Line Improvement Project.

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

This proposed Project is referred to by AEP Transco as the Wagenhals-West Canton 138kV Line Improvement Project, PUCO Case Number 13-170-EL-BLN. For this Project, AEP Transco proposes to install a second conductor circuit on an existing tower line that has a vacant position for approximately 10 miles, replacing eight (8) lattice towers with single pole davit arm structures

Because the new conductor will be installed on the vacant side, the Project will be located on the existing right-of-way (ROW) of the Wagenhals-West Canton 138kV Line. This ROW extends northeast from the West Canton Substation approximately following the Canton/North Canton boundary. The ROW then turns south east until it reaches the Canton/Osnaburg Township line, at which point it turns and runs due south. The ROW then turns south west until it intersects the Wagenhals Substation. Exhibit 1 depicts the Project Area.

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

The Project meets the requirements for a Letter of Notification because the Project falls within the types of project defined by Item (4)(a) of the Interim Application Requirement Matrix for Electric Power Transmission Lines in Appendix A of 4906-1-01 of the Ohio Administrative Code. These items state:

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

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

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

The purpose of the Wagenhals-West Canton 138kV Line Improvement project is to install a second conductor circuit to the existing transmission structures to improve and maintain the quality of electric service and reliability to the Northeastern Ohio area, specifically Canton. The addition of this circuit will also help address some reliability concerns that were identified by PJM in 2009 on multiple facilities across the Canton area. This area includes multiple communities in Stark County. This project is a critical component of a much larger project, the Canton Area 138kV Improvements Project, which will address other issues in Canton and will make the area more robust from a power delivery perspective.

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

The general location of the Project is shown in Map 1 and Map2, as well as Exhibit 1. Detailed mapping of the proposed Project, depicted on aerial photographs, is provided in Exhibit 2.

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

No alternative locations were considered. The Wagenhals – West Canton 138kV Line is an existing AEP transmission facility.

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

Construction on the proposed Project is scheduled to begin on or about March 11, 2013. The project is scheduled to be completed around November 15, 2013.

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

Exhibit 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 I-71 towards

Cleveland for approximately 67 miles. Take exit 176 onto US-30 east towards Wooster for approximately 60 miles. From US-30 take the US-30/Trump Avenue north exit. Follow Trump Avenue for approximately 1.4 miles, then turn left onto Georgetown St. NE. The site is located on the right, approximately 0.1 miles past Hollywood Ave.

4906-11-01 (B) (7): Property Easements

The existing line has existing easements that were obtained by American Electric Power. All new structures will be located within the existing transmission right-of-way. The property owners have been notified and are aware of the transmission line structure replacements. All property owners along the existing transmission line have been notified of the installation of the second conductor circuit to the existing lattice towers.

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

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

The new transmission line will be designed and constructed for 138 kV operations. Additional details are included in section 4906-11-02(B)(2) above. The Project has the following characteristics:

Voltage: 138 kV

Structure type: Double circuit davit arm structure (Figure 1)

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

Condition	Ckt.1/Ckt.2 Load (A)*	Electric Field (kV/m)**	Magnetic Field (mG)**
(1) Normal Max. Loading	338/419	0.2/ 1.9/0.2	28/ 59/ 30
(2) Emergency Line Loading	387/513	0.2/ 1.9/0.2	33/ 70/ 36
(3) WN Conductor Rating	1326/1079	0.2/ 3.4/0.2	121/369/ 112
IEEE Std C95.6-2002 Limits		5.0/10.0/5.0	9040/***/9040

*Current flows in Circuit 1 (Wagenhals-Wayview) and Circuit 2 (Wagenhals-W.Canton) are in the same direction.

**EMF levels (left ROW edge/maximum/right ROW edge) calculated one meter above ground at the point of minimum ground clearance, assuming balanced phase currents and nominal voltages. ROW width is 100 feet.

***Maximum permissible level in a "controlled environment" is 27,100 mG.

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

Electric and Magnetic Fields During Operation

(a) *Calculated Electric and Magnetic Field Levels*

Three loading conditions were examined: (1) normal maximum loading, (2) emergency line loading, and (3) winter normal conductor rating. Normal maximum loading represents the peak flow expected with all system facilities in service; daily/hourly flows fluctuate below this level. Emergency loading is the maximum current flow during unusual (contingency) conditions, which exist only for short periods of time. Winter normal (WN) conductor rating represents the maximum current flow that a line, including its terminal equipment, can carry during winter conditions. It is not anticipated that this line would operate at its WN rating in the foreseeable future.

Line Loading and Rating

Circuit	Normal Maximum Loading	Emergency Loading	Winter Normal Conductor Rating
Wagenhals – Wayview 138kV	338 A	387 A	1326 A
Wagenhals – West Canton 138kV	419 A	513 A	1079 A

The electric and magnetic field levels for the proposed project were calculated for the conductor configuration as depicted by "Figure 1" (See Appendix).

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

The 2013 capital cost estimates for the proposed project have been tabulated by the Federal Energy Regulatory Commission (FERC) Electric Plant Transmission Accounts:

FERC Accounts	Estimated Capital Costs
355 Poles and Fixtures	$666,579
356 Overhead Conductors and Devices	$1,350,364
Total Cost	$2,016,943

4906-11-01 (D): Socioeconomic Data

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

The Project is located in the city of Canton and the townships of Jackson, Plain, and Canton in Stark County, Ohio. The southern portion of the Project area is located on a mix of agricultural, woodlots, and industrial land. However, the northern portion of the Project area is predominately surrounded by residential land.

Based on the U.S. Census Bureau, the 2010 population for the city of Canton was 73,007, 40,373 for Jackson Township, 52,540 for Plain Township, and 13,102 for Canton Township. Also, the Project area (Stark County, Ohio) has a population density of 652 people per square mile.

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

CH2M HILL contacted the Stark County Auditor on January 16, 2013, to obtain information regarding agricultural district land. The Project area ROW does not cross any agricultural district land, as defined by Chapter 929 of the Ohio Revised Code.

The likely impacts of the proposed Project on agricultural land uses associated with construction activities will occur within the existing ROW and are expected to be minimal. Potential impacts of the pole replacements areas could include damage to current crops, compaction of soils, and resulting reduction of productivity.

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

A cultural resources management (CRM) survey, including both desktop and field investigations, was completed by Weller & Associates (Weller) for the entire length of the proposed Project. The majority of the study area was found to be significantly disturbed by previous activities and no cultural resources were identified during the CRM survey. Weller concluded, as a result of their investigations, that a finding of no historic properties affected as outlined in 36 CFR § 800.4 and § 800.5 is considered appropriate.

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

This Letter of Notification is being provided to the following officials of the County of Stark, City of Canton, and the Townships of Jackson, Plain and Canton, 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.

Stark County

Ms. Janet Weir Creighton
Stark County Commissioner
110 Central Plaza South
Canton, Ohio 44702

Dr. Peter Ferguson
Stark County Commissioner
110 Central Plaza South
Canton, Ohio 44702

Mr. Tom Bernabei
Stark County Commissioner
110 Central Plaza South
Canton, Ohio 44702

Ms. Linda Bennett, Manager
Stark County District Library
DeHoff Memorial Branch
216 Hartford Avenue, SE
Canton, Ohio 44707

City of Canton

Mr. William J. Healy II, Mayor
City of Canton
218 Cleveland Avenue S.W.
Canton, Ohio 44702

Jackson Township

Mr. James N. Walters, President
Jackson Township Board of Trustees
Jackson Township
Administrative Offices
5735 Wales Avenue NW
Massillon, Ohio 44646

Mr. John E. Pizzino, Vice President
Jackson Township Board of Trustees
Jackson Township
Administrative Offices
5735 Wales Avenue NW
Massillon, Ohio 44646

Mr. Todd J. Hawke, Trustee
Jackson Township Board of Trustees
Jackson Township
Administrative Offices
5735 Wales Avenue NW
Massillon, Ohio 44646

Plain Township

Mr. Louis Giavasis, Trustee
Plain Township Board of Trustees
Plain Township Hall
2600 Easton St. NE
Canton, Ohio 44721

Mr. Scott M. Haws
Plain Township Board of Trustees
Plain Township Hall
2600 Easton St. NE
Canton, Ohio 44721

Mr. Albert P. Leno II
Plain Township Board of Trustees
Plain Township Hall
2600 Easton St. NE
Canton, Ohio 44721

Canton Township

Mr. Christopher B. Nichols, Trustee
Canton Township Board of
Trustees
4711 Central Ave, SE
Canton, Ohio 44704

Mr. Bill Mittas, Trustee
Canton Township Board of
Trustees
4711 Central Ave, SE
Canton, Ohio 44704

Mr. William C. Smith, Trustee
Canton Township Board of
Trustees
4711 Central Ave, SE
Canton, Ohio 4470

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

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

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

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

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

No wetlands were identified at the proposed pole replacement locations during the field investigation. As further outlined in section 4906-11-01 (E)(2), one pond and one perennial stream were identified in and near the work space for pole 36, however, no impacts to these features are anticipated.

A Notice of Intent will be filed with the Ohio Environmental Protection Agency for authorization of construction stromwater discharges under General Permit OHC000003.

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

4906-11-01 (E): Environmental Data

The workspaces to conduct the eight electric transmission pole replacements totals approximately 5.51 acres. The land use at the replacements and surrounding areas is comprised of residential and agricultural lands. An onsite environmental review of the proposed pole replacement locations was conducted by CH2M HILL on January 15, 2013 to determine the presence of wetlands and waterbodies, and to assess if the habitat present would be suitable to support rare, threatened, or endangered species. Two scales of effort were used in the field study. CH2M HILL Professional Wetlands Scientists walked the project ROW (approximately 10 miles) and conducted a wetland determination. At the proposed pole replacement locations, CH2M HILL conducted wetland delineations on wetlands observed.

The findings of the investigations are summarized in the sections below, identified on Exhibit 2, and additional information is included in the Appendix. Prior to conducting the field investigation, CH2M HILL reviewed the U.S. Geological Society (USGS) topographic quadrangle maps, National Wetlands Inventory (NWI) data, Ohio Department of Natural Resources (ODNR) data concerning protected species in the general Project vicinity, and aerial imagery prior to the onsite field investigation.

4906-11-01 (E) (1): Federal and State Designated Species

A written request was forwarded to the Ohio Department of Natural Resources (ODNR) on January 15, 2013 to determine the presence of any federally-listed, candidate endangered, threatened species or critical habitat located within the proposed Project area.

The response letter received on January 22, 2013 stated that the Division of Wildlife had no records of rare or endangered species in the proposed Project Area (and a one mile radius). Additionally, the Division was unaware of any unique ecological sites or protected natural areas within a one mile radius of the proposed Project Area.

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

CH2M HILL conducted a field investigation at each electric transmission pole replacement location and reviewed an approximate 100- by 300-foot construction

workspace area. Seven of the pole replacement workspaces (Poles 21, 31, 32, 36, 38, 39, and 46) are located in residential lawns. Vegetation within these workspaces is well maintained by mowing and dominated by fescue (Festuca sp.) with minor coverage of yellow foxtail (Setaria glauca), teasel (Dipsacus fullonum), blackberry (Rubus sp.) and red maple shrubs (Acer rubrum). The construction workspace for Pole 19 is located in an active agricultural field most recently planted with corn (Zea mays) with small areas of yellow foxtail.

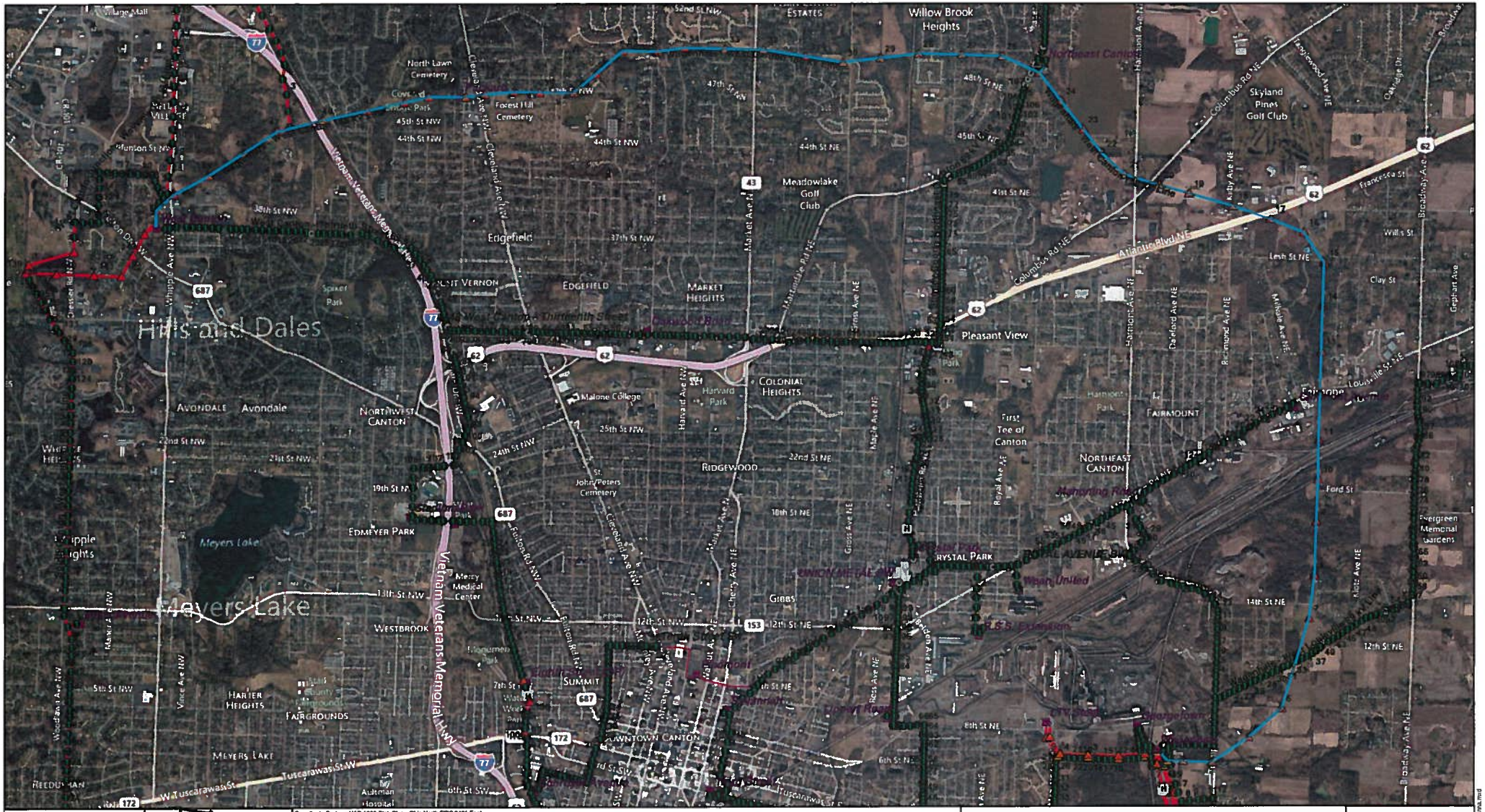
No wetlands were identified at the proposed pole replacement locations during the field investigation. One pond (P01) and one perennial stream (S01) were identified in and near the proposed workspace for Pole 36. P01 is a man-made pond located near a residential development. The overflow drain from P01 flows into S01 south of the pole replacement. S01 was classified as a perennial stream with an approximate two-foot wide ordinary high water mark width. Substrate in S01 is dominated by gravel and cobble. Construction and access to the proposed workspace for Pole 36 will not impact P01 or S01.

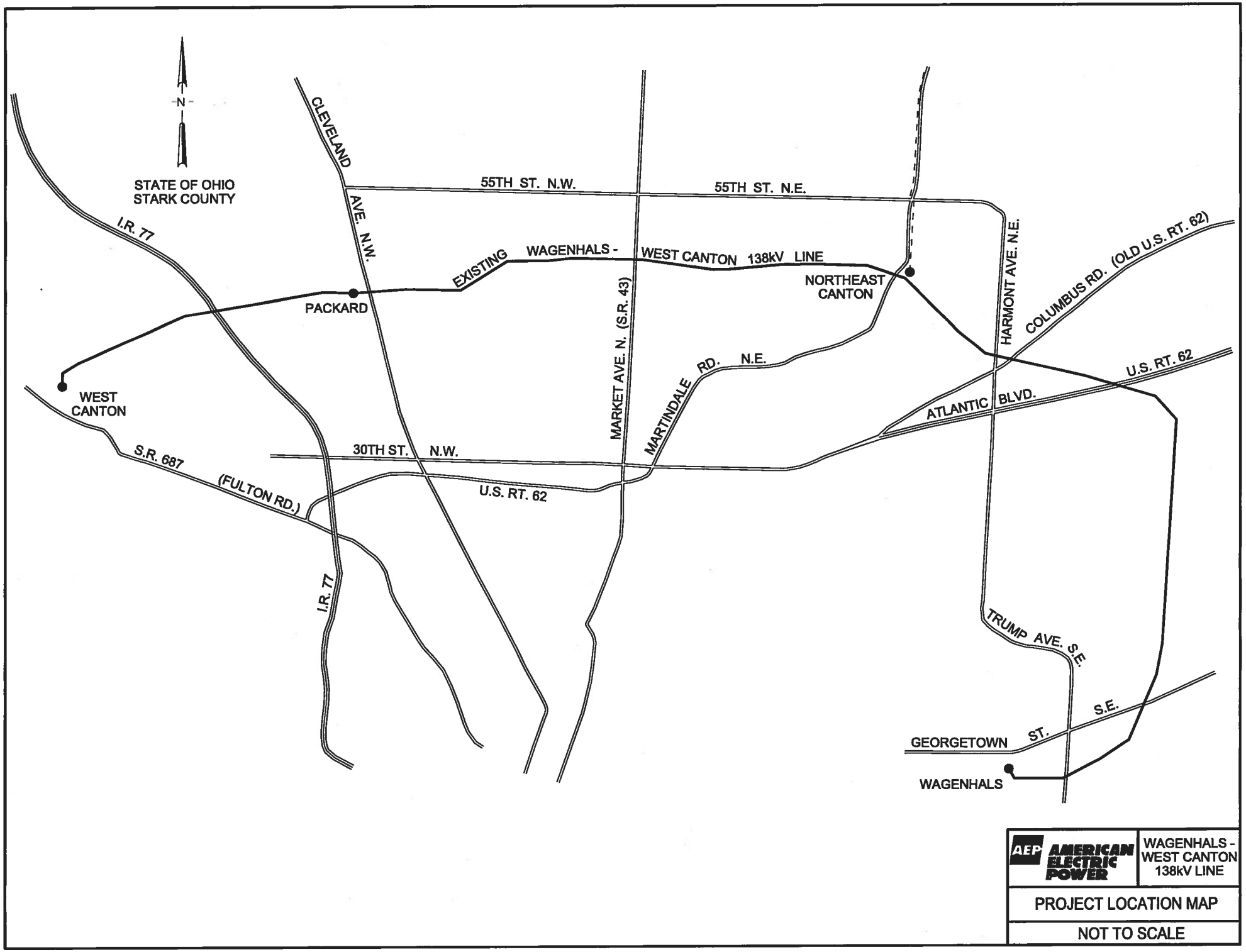
CH2M HILL also completed a wetland and stream determination within the 10-mile ROW, which included the collection of general characteristics, approximate location, and conservative boundaries of potential wetlands and streams. Wetlands were not formally delineated as part of this effort; soils were not evaluated and a detailed vegetation analysis was not conducted. The purpose of the determination was to identify potential wetland areas to avoid impacts during construction of the proposed Project. The ROW width evaluated was 100-feet. The wetland and stream determinations identified 22 potential wetlands, 4 ponds, and 17 streams within the 10-mile ROW. Additional information can be found in the Appendix.

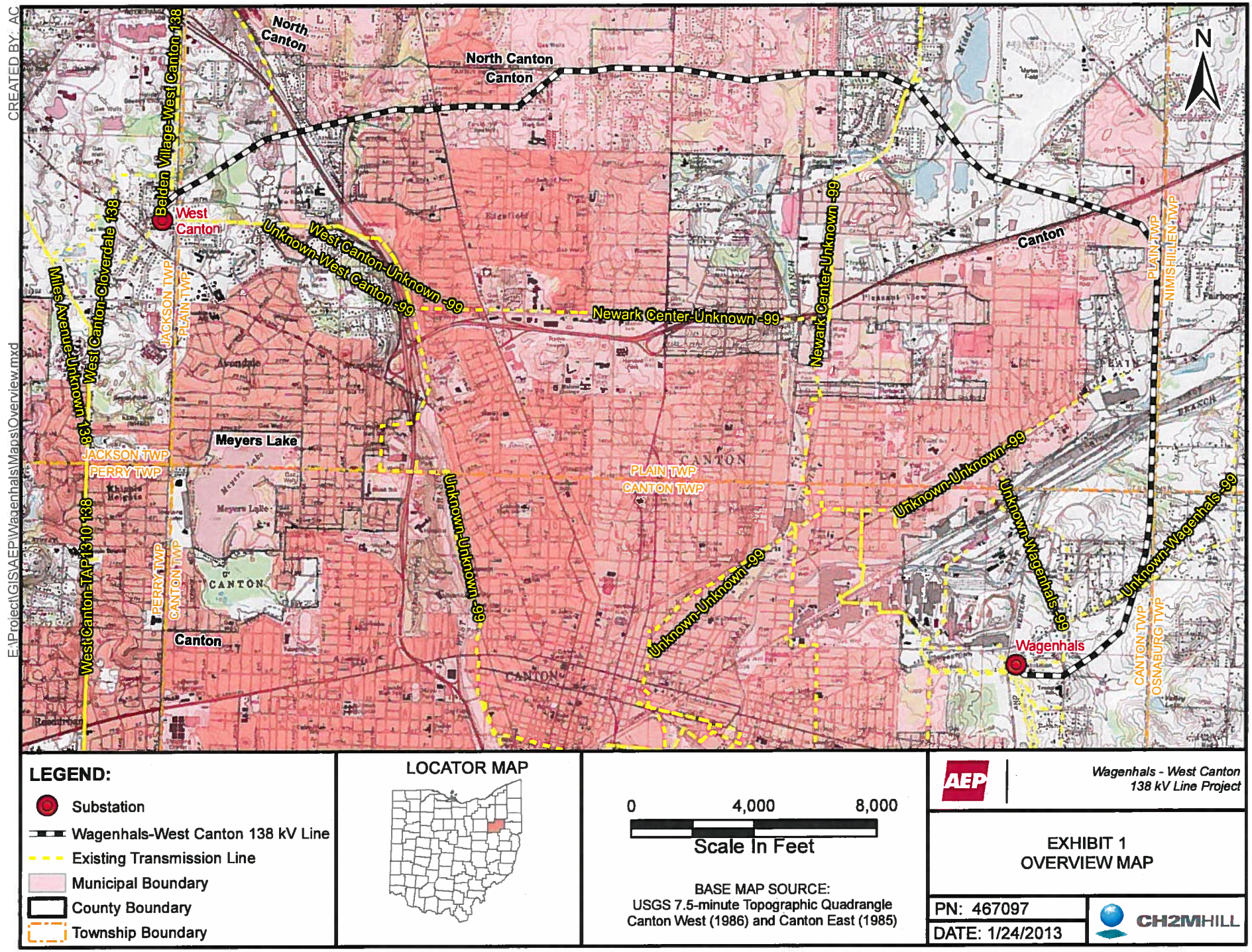
4906-11-01 (E) (3): Additional Information

There are no known unusual conditions or circumstances associated with this Project that will result in significant environmental, social, health or safety impacts. Construction and operation of the proposed Project will meet all applicable safety standards established by the Occupational Safety and Health Administration, and will be in accordance with the requirements specified in the latest revision of the National

Electrical Safety Code as adopted by the Public Utilities Commission of Ohio. The Stormwater Pollution Prevention Plan (SWPPP), which will include the Access Plan, will be provided to the OPSB upon completion of final access road design.


Willow Brook Heights
Skyland Pines Golf Club
Meadowlake Golf Club
Edgefield
Hills and Dales
Avondale
Northwest Canton
Malone College
Colonial Heights
Pleasant View
Fairmount
Northeast Canton
First Tee of Canton
Ridgewood
St John Peters Cemetery
Edmeyer Park
Meyers Lake
Merey Medical Center
Westbrook
Harter Heights
Fairgrounds
Summit
Gibbs
Crystal Park
Evergreen Memorial Gardens
Vietnam Veterans Memorial Hwy
Tuscarawas St W
Tuscarawas St E
Atlantic Blvd NE
Columbus Rd NE
Cleveland Ave NW
Market Ave N
Harrison Ave NW
Whipple Ave NW
Fulton Rd NW
Cherry Ave NE
Maple Ave NE
Harvard Ave NW
Harvard Park
Mount Vernon
Edgefield
Market Heights
Forest Hill Cemetery
North Lawn Cemetery
Spicer Park
Harmon Park
Ford St
Wills St
Clay St
Lesh St NE
Louisville St NE
Francesca St
Broadway Ave
Kirby Ave NE
Harrison Ave NE
Cleveland Ave NE
Richmond Ave NE
Midvale Ave NE
Grant Ave
Maple Ave NE
Royal Ave NE
Cherry Ave NE
Glass Ave NE
Market Ave N
Market Ave S
Whipple Ave NW
Vine Ave NW
Woodland Ave NW
Nimisila Rd NE
Fulton Rd NW
Cleveland Ave NW
Harrison Ave NW
Market Ave N
Market Ave S
Cherry Ave NE
Glass Ave NE
Maple Ave NE
Harvard Ave NW
Harvard Park
Mount Vernon
Edgefield
Market Heights
Forest Hill Cemetery
North Lawn Cemetery
Spicer Park
Harmon Park
Ford St
Wills St
Clay St
Lesh St NE
Louisville St NE
Francesca St
Broadway Ave
Kirby Ave NE
Harrison Ave NE
Cleveland Ave NW


N
STATE OF OHIO
STARK COUNTY
CLEVELAND AVE. N.W.
55TH ST. N.W.
55TH ST. N.E.
I.R. 77
EXISTING WAGENHALS - WEST CANTON 138kV LINE
PACKARD
NORTHEAST CANTON
HARMONT AVE. N.E.
COLUMBUS RD. (OLD U.S. RT. 62)
MARKET AVE. N. (S.R. 43)
MARTINDALE RD. N.E.
U.S. RT. 62
ATLANTIC BLVD.
WEST CANTON
S.R. 687
(FULTON RD.)
30TH ST. N.W.
U.S. RT. 62
I.R. 77
TRUMP AVE. S.E.
S.E.
GEORGETOWN ST.
WAGENHALS
AEP AMERICAN ELECTRIC POWER
WAGENHALS - WEST CANTON 138kV LINE
PROJECT LOCATION MAP
NOT TO SCALE



LEGEND:

- Substation
- Wagenhals-West Canton 138 kV Line
- Existing Transmission Line
- Municipal Boundary
- County Boundary
- Township Boundary

LOCATOR MAP

0 4,000 8,000

Scale In Feet

BASE MAP SOURCE:
USGS 7.5-minute Topographic Quadrangle
Canton West (1986) and Canton East (1985)

AEP

Wagenhals - West Canton 138 kV Line Project

EXHIBIT 1
OVERVIEW MAP

PN: 467097

DATE: 1/24/2013

CH2MHILL

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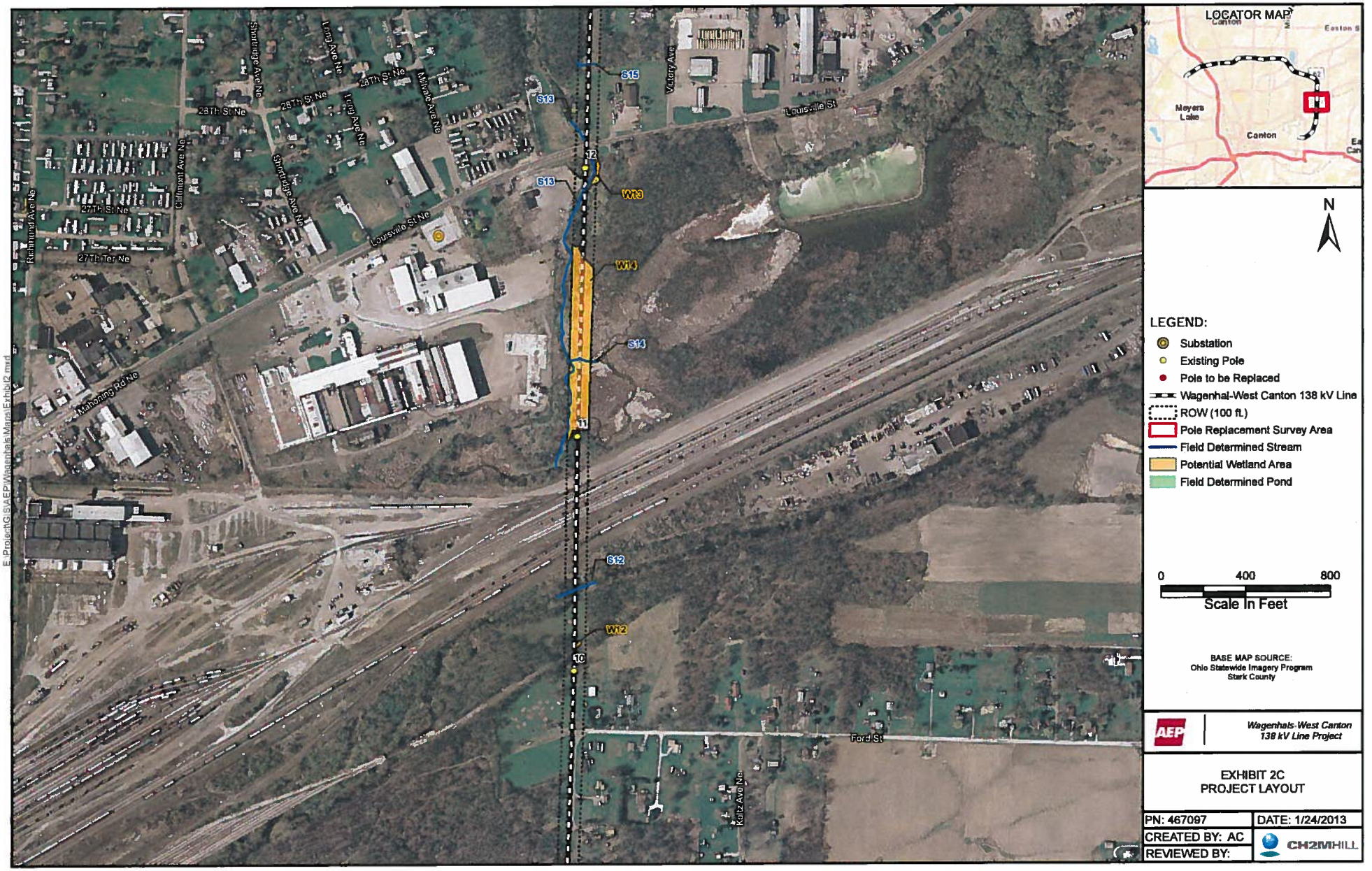
LOCATOR MAP
Canton
Meyers Lake
Canton
N
LEGEND:
Substation
Existing Pole
Pole to be Replaced
Wagenhal-West Canton 138 kV Line
ROW (100 ft.)
Pole Replacement Survey Area
Field Determined Stream
Potential Wetland Area
Field Determined Pond
0
400
800
Scale In Feet
BASE MAP SOURCE:
Ohio Statewide Imagery Program
Stark County
AEP
Wagenhals-West Canton
138 kV Line Project
EXHIBIT 2C
PROJECT LAYOUT
PN: 467097
DATE: 1/24/2013
CREATED BY: AC
REVIEWED BY:
CH2MHILL
S15
S13
S13
W13
W14
S14
S12
W12
N2
11
10
28Th St Ne
27Th St Ne
27Th Ter Ne
Richmond Ave Ne
Cliffmont Ave Ne
Shartridge Ave Ne
Long Ave Ne
Milvale Ave Ne
Louisville St Ne
Mahoning Rd Ne
Victory Ave
Louisville St
Ford St
Koltz Ave Ne
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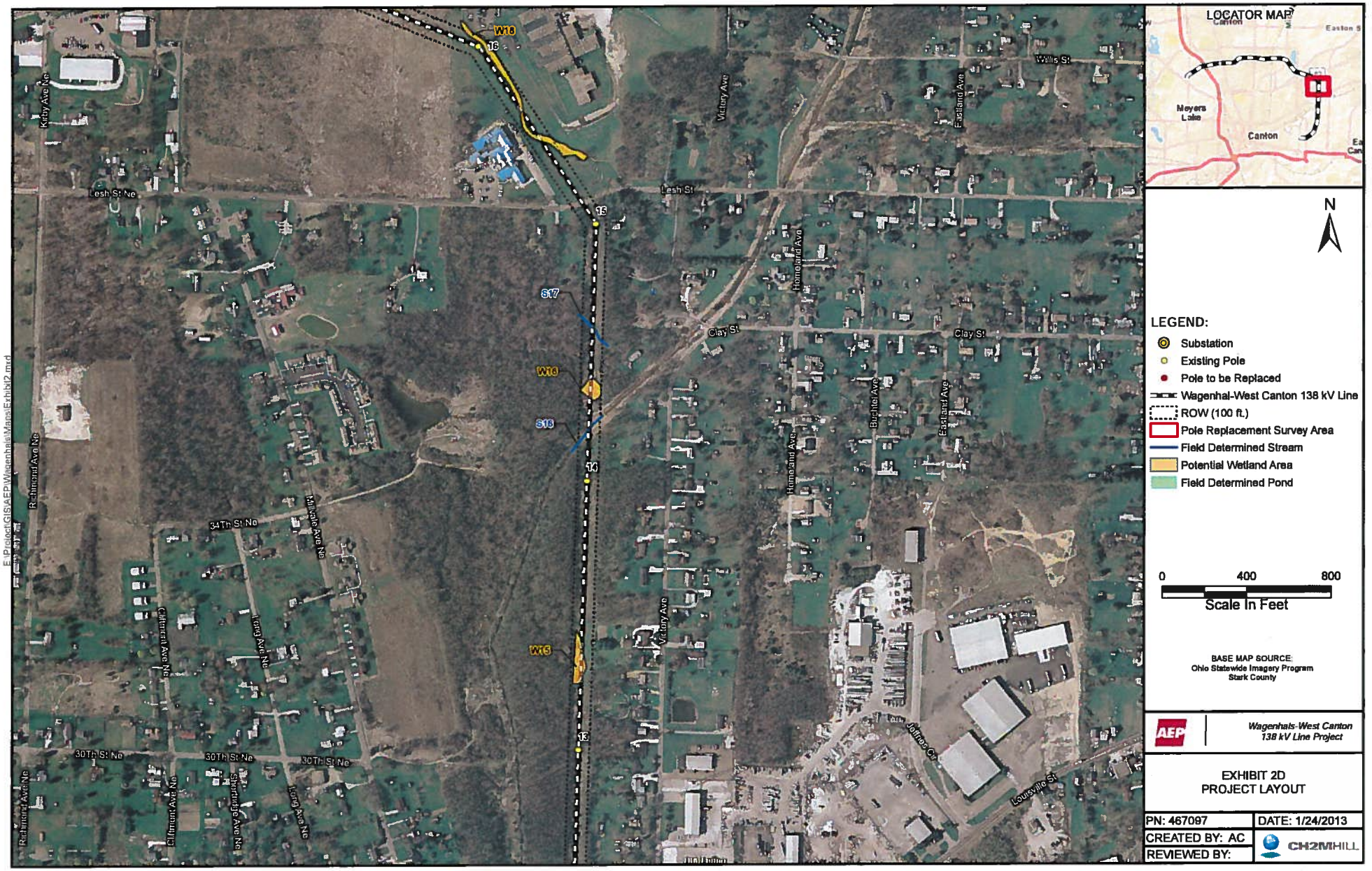

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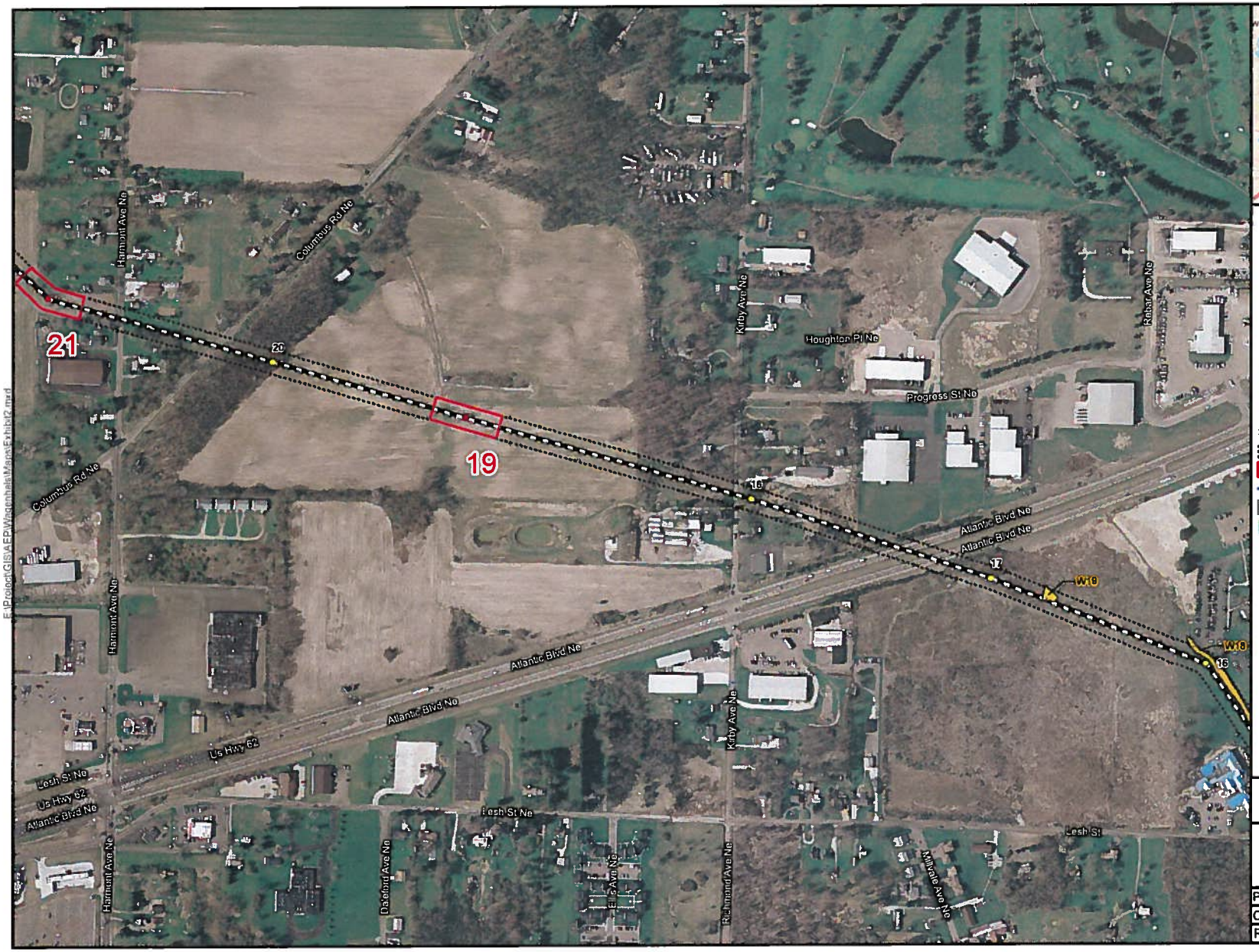

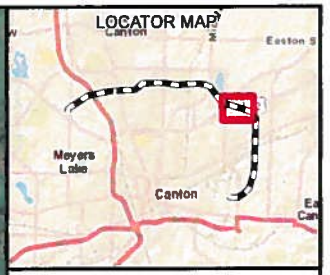

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LEGEND:

- Substation
- Existing Pole
- Pole to be Replaced
- Wagenhal-West Canton 138 kV Line
- ROW (100 ft.)
- Pole Replacement Survey Area
- Field Determined Stream
- Potential Wetland Area
- Field Determined Pond

0 400 800

Scale In Feet

BASE MAP SOURCE:
Ohio Statewide Imagery Program
Stark County

AEP | *Wagenhals-West Canton 138 kV Line Project*

EXHIBIT 2E
PROJECT LAYOUT

PN: 467097	DATE: 1/24/2013
CREATED BY: AC	CH2MHILL
REVIEWED BY:	

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LOCATOR MAP
Meyers Lake
Canton
N
LEGEND:
Substation
Existing Pole
Pole to be Replaced
Wagenhal-West Canton 138 kV Line
ROW (100 ft.)
Pole Replacement Survey Area
Field Determined Stream
Potential Wetland Area
Field Determined Pond
0
400
800
Scale In Feet
BASE MAP SOURCE:
Ohio Statewide Imagery Program
Stark County
AEP
Wagenhals-West Canton
138 kV Line Project
EXHIBIT 2F
PROJECT LAYOUT
PN: 467097
DATE: 1/24/2013
CREATED BY: AC
REVIEWED BY:
CH2MHILL
Bur Oak St Ne
Parkhaven Ave Ne
Bur Oak St Ne
Roxy Rd Ave Ne
Vronk Knoll Ave Ne
45Th St Ne
Rooseveit Ave Ne
Grandview Ave Ne
Woodchime Dr
Wolverine St Ne
48Th St Ne
Magnolia Rd Ne
Middlebranch Ave Ne
Harmont Ave Ne
47Th St Ne
Nel Cir Ne
46Th St Ne
Brookhaven Cir Ne
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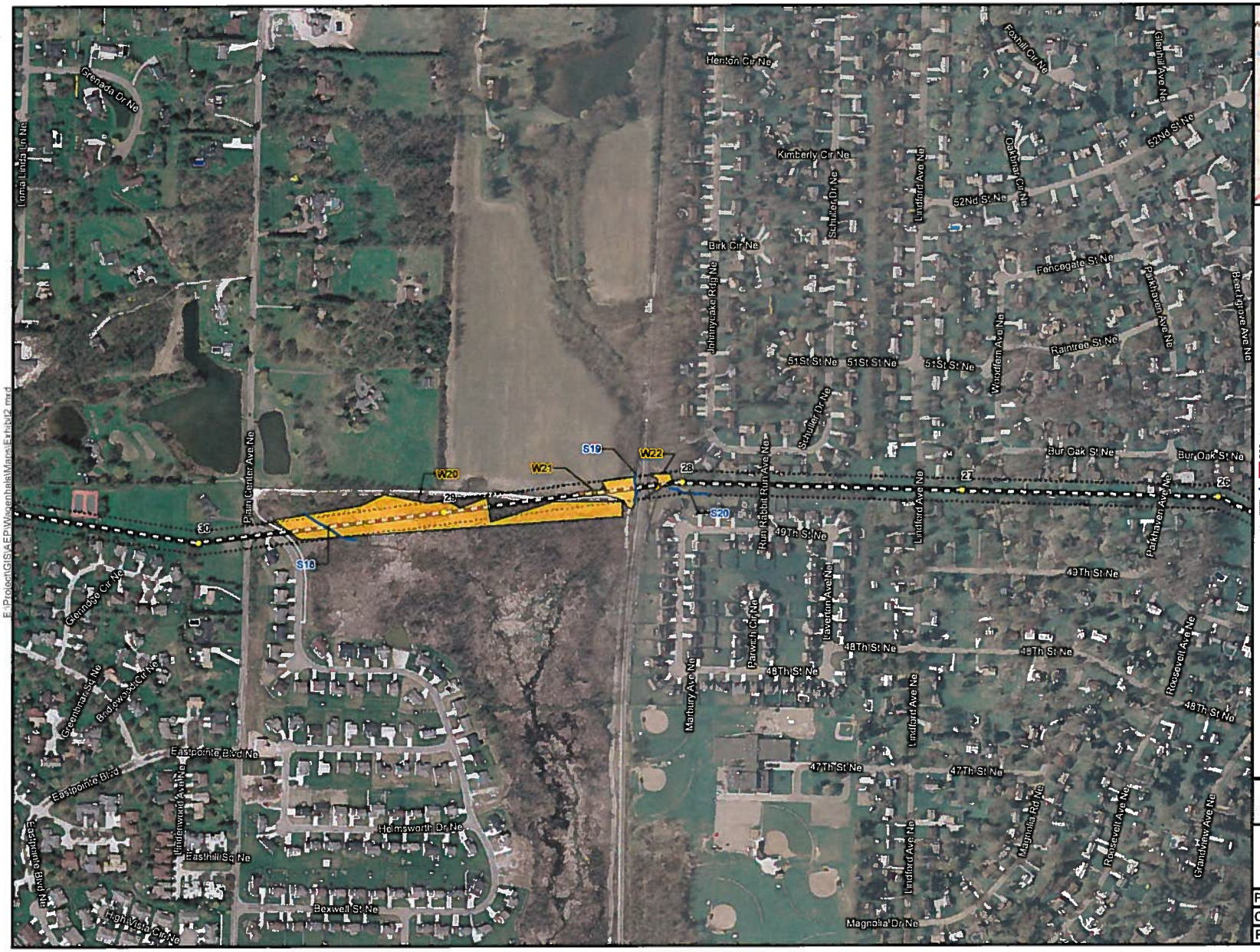

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LEGEND:

- Substation
- Existing Pole
- Pole to be Replaced
- Wagenhal-West Canton 138 kV Line
- ROW (100 ft.)
- Pole Replacement Survey Area
- Field Determined Stream
- Potential Wetland Area
- Field Determined Pond

0 400 800

Scale In Feet

BASE MAP SOURCE:
Ohio Statewide Imagery Program
Stark County

AEP | *Wagenhals-West Canton 138 kV Line Project*

EXHIBIT 2G
PROJECT LAYOUT

PN: 467097	DATE: 1/24/2013
CREATED BY: AC	CH2MHILL
REVIEWED BY:	

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LOCATOR MAP
Canton
Meyers Lake
Canton
N
LEGEND:
Substation
Existing Pole
Pole to be Replaced
Wagenhal-West Canton 138 kV Line
ROW (100 ft.)
Pole Replacement Survey Area
Field Determined Stream
Potential Wetland Area
Field Determined Pond
32
31
0
400
800
Scale In Feet
BASE MAP SOURCE:
Ohio Statewide Imagery Program
Stark County
Lancaster Gate Se
Chanford Gate Se
Glenmar Oval Se
Patriots Pl Se
Alexandria Pkwy Se
Yorkshire Ter Se
Sparry Ter Se
Buena Vista St Ne
Grenada Dr Ne
Gardendale Ave Ne
Beverly Ave Ne
Ellenhurst St Ne
Cedar Glen Cir Ne
52Nd St Ne
Loma Linda Ln Ne
Loma Linda Cir Ne
Eastwood St Ne
Market Ave N
49Th St Ne
48Th St Ne
47Th St Ne
Stoneridge St Ne
Kenwood Cir Ne
Eastgate Blvd Ne
Longbranch Dr Ne
Chapel Rdg Ne
Leawood Dr Ne
Waldorf Dr Ne
Beverly Ave Ne
Bevelyn Ave Ne
Gardendale Ave Ne
Loma Linda Ln Ne
Cresidale St Nw
Hughes St Nw
Pheasant Run Cir Nw
Hillview Cir Nw
46Th St Nw
47Th St Nw
48Th St Nw
49Th St Nw
Fairhaven Ave Nw
Woodland Ave Nw
Frazer Ave Nw
Yale Ave Nw
Logan Ave Nw
Greenmeadow Ave Nw
Kingsley Ave Nw
Ellinda Cir Nw
Wo4
P69
34
35
E:\Project\GIS\AEP\WagenhalsMansfield\mxd\
AEP
Wagenhals-West Canton
138 kV Line Project
EXHIBIT 2H
PROJECT LAYOUT
PN: 467097
DATE: 1/24/2013
CREATED BY: AC
REVIEWED BY:
CH2MHILL

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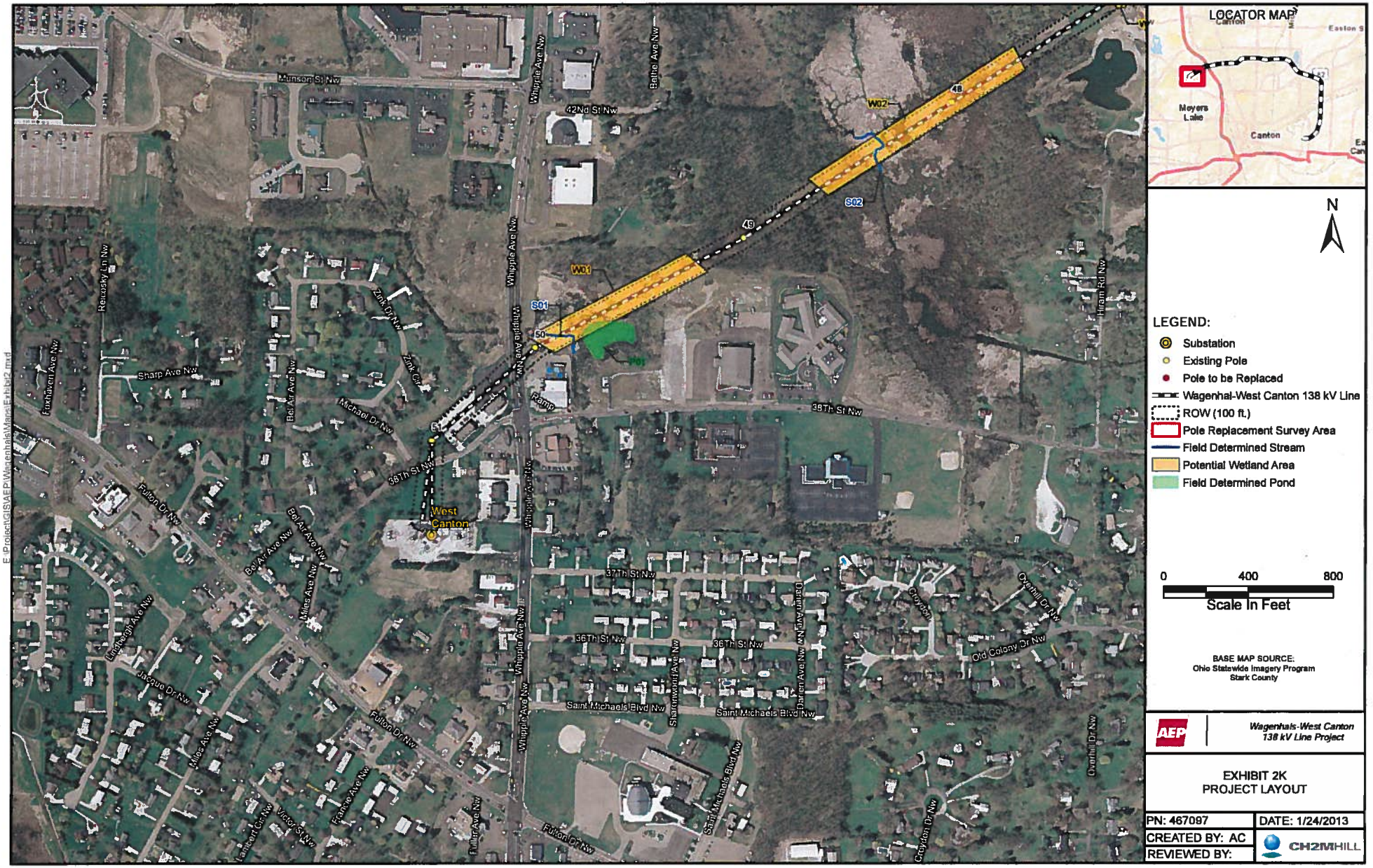
LOCATOR MAP
Canton
Meyers Lake
Canton
N
LEGEND:
Substation
Existing Pole
Pole to be Replaced
Wagenhal-West Canton 138 kV Line
ROW (100 ft.)
Pole Replacement Survey Area
Field Determined Stream
Potential Wetland Area
Field Determined Pond
0
400
800
Scale In Feet
BASE MAP SOURCE:
Ohio Statewide Imagery Program
Stark County
AEP
Wagenhals-West Canton
138 kV Line Project
EXHIBIT 2J
PROJECT LAYOUT
PN: 467097
DATE: 1/24/2013
CREATED BY: AC
REVIEWED BY:
CH2MHILL
46
S05
S03
W03
W17
W23
Dapplegray St Nw
Cockleburr St Nw
Becky Cir Nw
Orchard Dale Dr Nw
Woodside Ave Nw
Leigh Ave Nw
Treeside St Nw
Parkside Ave
Parklane St Nw
Amber Ave Sw
Bamboo St Nw
Bambi St Nw
Denne St Nw
Guilford Ave Nw
Hiram Rd Nw
Shady Ave Nw
45Th St Nw
44Th St Nw
43Rd St Nw
42Nd St Nw
41St St Nw
Brookdale St Nw
Winton Pl Nw
Kingman Ave Nw
Sanburn Ave Nw
Vinal Ave Nw
Paige Ave Nw



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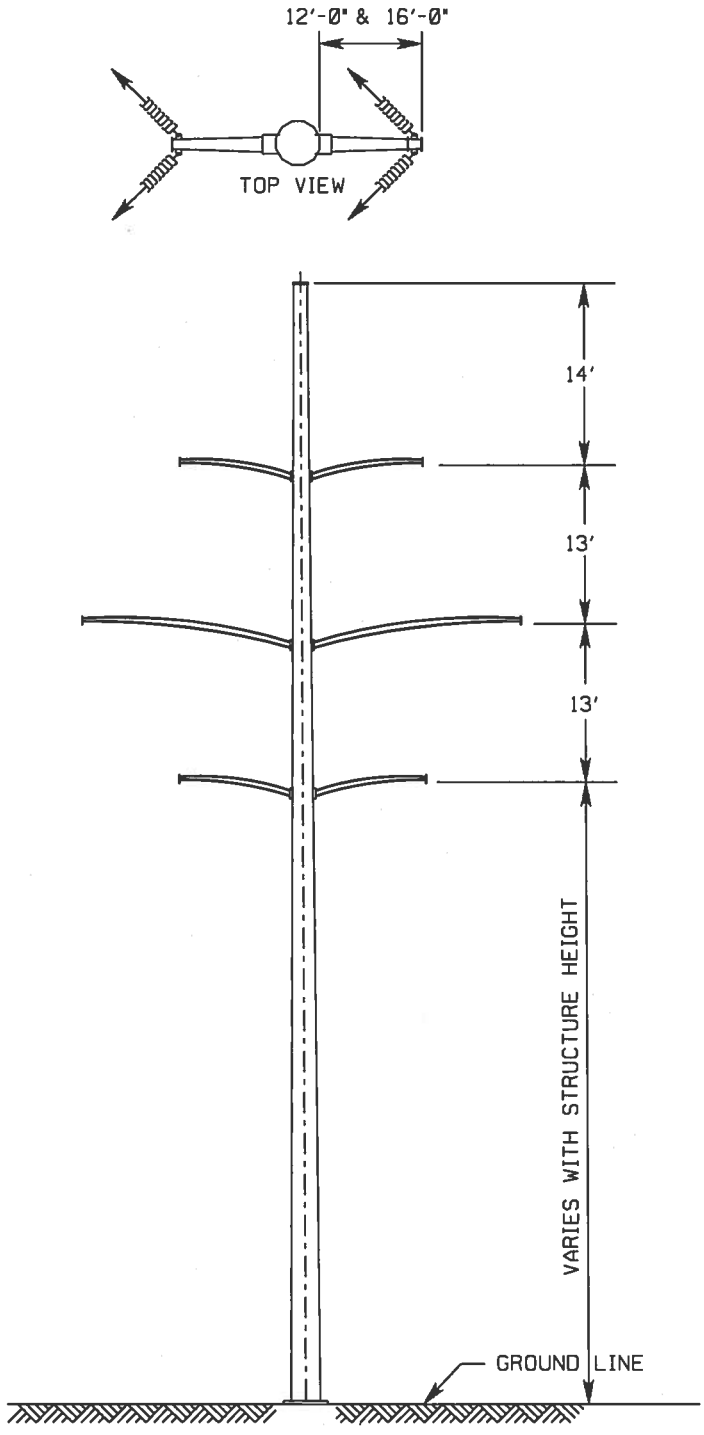
AEP | Wagenhals-West Canton 138 kV Line Project

EXHIBIT 2K
PROJECT LAYOUT

PN: 467097	DATE: 1/24/2013
CREATED BY: AC	CH2MHILL
REVIEWED BY:	



DAVIT ARM DEAD-END STRUCTURE
WAGENHALS - WEST CANTON
138kV LINE

NOT TO SCALE | FIGURE 1

AEP
AMERICAN ELECTRIC POWER
American Electric Power
700 Morrison Road
Gahanna, OH 43230

January 31, 2013

Stark County Commissioners
Ms. Janet Weir Creighton
Dr. Peter Ferguson
Mr. Tom Bernabei
110 Central Plaza South
Canton, Ohio 44702

Letter of Notification
Wagenhals-West Canton 138kV Line Project
Case No. 13- 170 -EL-BLN

Dear Commissioners,

In the above captioned project, American Electric Power (AEP) will install a 2nd conductor circuit on an existing tower line that has a vacant position for approximately 10 miles, and replacing eight (8) lattice towers with single pole davit arm structures. The Project is located with portions of the City of Canton, and the Townships of Jackson, Plain and Canton. Work will be conducted within the existing Right-of-Way (ROW).

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 will be happy to answer your questions concerning this matter. You can contact me at (614) 552-1829.

Sincerely,

Elizabeth Decima

Elizabeth Decima
Transmission Line Engineering

AEP
AMERICAN ELECTRIC POWER
American Electric Power
700 Morrison Road
Gahanna, OH 43230

January 31, 2013

Ms. Linda Bennett, Manager
Stark County District Library
DeHoff Memorial Branch
216 Hartford Avenue, SE
Canton, OH 44707

Letter of Notification
Wagenhals-West Canton 138kV Line Project
Case No. 13- 170 -EL-BLN

Dear Ms. Bennett,

In the above captioned project, American Electric Power (AEP) will install a 2nd conductor circuit on an existing tower line that has a vacant position for approximately 10 miles, and replacing eight (8) lattice towers with single pole davit arm structures. The Project is located with portions of the City of Canton, and the Townships of Jackson, Plain and Canton. Work will be conducted within the existing Right-of-Way (ROW).

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 will be happy to answer your questions concerning this matter. You can contact me at (614) 552-1829.

Sincerely,

Elizabeth Decima

Elizabeth Decima
Transmission Line Engineering

AEP
AMERICAN ELECTRIC POWER
American Electric Power
700 Morrison Road
Gahanna, OH 43230

January 31, 2013

Mr. William J. Healy II, Mayor
City of Canton
218 Cleveland Avenue S.W.
Canton, Ohio 44702

Letter of Notification
Wagenhals-West Canton 138kV Line Project
Case No. 13- 170 -EL-BLN

Dear Mayor Healy,

In the above captioned project, American Electric Power (AEP) will install a 2nd conductor circuit on an existing tower line that has a vacant position for approximately 10 miles, and replacing eight (8) lattice towers with single pole davit arm structures. The Project is located with portions of the City of Canton, and the Townships of Jackson, Plain and Canton. Work will be conducted within the existing Right-of-Way (ROW).

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 will be happy to answer your questions concerning this matter. You can contact me at (614) 552-1829.

Sincerely,

Elizabeth Decima

Elizabeth Decima
Transmission Line Engineering

AEP
AMERICAN ELECTRIC POWER
American Electric Power
700 Morrison Road
Gahanna, OH 43230

January 31, 2013

Jackson Township Board of Trustees
Mr. James N. Walters, President
Mr. John E. Pizzino, Vice President
Mr. Todd J. Hawke
Administrative Offices
5735 Wales Avenue NW
Massillon, Ohio 44646

Letter of Notification
Wagenhals-West Canton 138kV Line Project
Case No. 13- 170 -EL-BLN

Dear Trustees,

In the above captioned project, American Electric Power (AEP) will install a 2nd conductor circuit on an existing tower line that has a vacant position for approximately 10 miles, and replacing eight (8) lattice towers with single pole davit arm structures. The Project is located with portions of the City of Canton, and the Townships of Jackson, Plain and Canton. Work will be conducted within the existing Right-of-Way (ROW).

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 will be happy to answer your questions concerning this matter. You can contact me at (614) 552-1829.

Sincerely,

Elizabeth Decima

Elizabeth Decima
Transmission Line Engineering

AEP
AMERICAN ELECTRIC POWER
American Electric Power
700 Morrison Road
Gahanna, OH 43230

January 31, 2013

Plain Township Board of Trustees
Mr. Louis Giavasis
Mr. Scott M. Haws
Mr. Albert P. Leno II
2600 Easton St. NE
Canton, OH44721

Letter of Notification
Wagenhals-West Canton 138kV Line Project
Case No. 13- 170 -EL-BLN

Dear Trustees,

In the above captioned project, American Electric Power (AEP) will install a 2nd conductor circuit on an existing tower line that has a vacant position for approximately 10 miles, and replacing eight (8) lattice towers with single pole davit arm structures. The Project is located with portions of the City of Canton, and the Townships of Jackson, Plain and Canton. Work will be conducted within the existing Right-of-Way (ROW).

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 will be happy to answer your questions concerning this matter. You can contact me at (614) 552-1829.

Sincerely,

Elizabeth Decima

Elizabeth Decima
Transmission Line Engineering

AEP
AMERICAN ELECTRIC POWER
American Electric Power
700 Morrison Road
Gahanna, OH 43230

January 31, 2013

Canton Township Board of Trustees
Mr. Christopher B. Nichols
Mr. Bill Mittas
Mr. William C. Smith
4711 Central Ave, SE
Canton, OH 44704

Letter of Notification
Wagenhals-West Canton 138kV Line Project
Case No. 13- 170 -EL-BLN

Dear Trustees,

In the above captioned project, American Electric Power (AEP) will install a 2nd conductor circuit on an existing tower line that has a vacant position for approximately 10 miles, and replacing eight (8) lattice towers with single pole davit arm structures. The Project is located with portions of the City of Canton, and the Townships of Jackson, Plain and Canton. Work will be conducted within the existing Right-of-Way (ROW).

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 will be happy to answer your questions concerning this matter. You can contact me at (614) 552-1829.

Sincerely,

Elizabeth Decima

Elizabeth Decima
Transmission Line Engineering

Wetland and Waterbody Site Reconnaissance Summary Report

CH2M HILL
10123 Alliance Road
Suite 300
Cincinnati, OH 45242
Tel 513.530.5520
Fax 513.530.5541

CH2MHILL

January 25, 2013

Rebekah Hovermale
American Electric Power
700 Morrison Road
Gahanna, OH 45230

Subject: Wagenhals-West Canton 138kV Line Project, Stark County, Ohio
Wetland and Waterbody Site Reconnaisance Summary Report

Dear Ms. Hovermale:

This Site Reconnaisance Summary Report (Report) summarizes the results of the wetland and waterbody delineation and determination field surveys conducted on from January 14-17, 2013, by CH2M HILL on behalf of American Electric Power (AEP) for the Wagenhals-West Canton 138kV Line Project (Project) in Stark County, Ohio. For this Project, American Electric Power (AEP) proposes to install a second conductor circuit on an existing tower line that has a vacant position for approximately 10 miles, replacing eight (8) lattice towers with single pole davit arm structures. Because the new conductor will be installed on the vacant side, the Project will be located on the existing right-of-way (ROW) of the Wagenhals-West Canton 138kV Line Project. This ROW is 100 ft. wide and extends northeast from the West Canton Substation approximately following the Canton/North Canton boundary. The ROW then turns south east until it reaches the Canton/Osnaburg Township line, at which point it turns and runs due south. The ROW then turns south west until it intersects the Wagenhals Substation. The purpose of this report was to assess the presence or absence of wetlands or other waters that may be affected by the proposed Project, and to assess general ecological conditions within the Project area.

1.0 METHODOLOGY

Prior to conducting the site reconnaisance, CH2M HILL reviewed the following resources to identify the potential locations and extent of wetlands and waterbodies within the Project area:

- United States Geological Survey (USGS) topographic map;
- Aerial photographs (Bing maps);
- United States Deparmtent of Agriculture (USDA) Natural Resources Conservation Service (NRCS) Web Soil Survey;
- USGS National Hydrography Dataset (NHD-mapped streams); and
- United States Fish and Wildlife Service (USFWS) National Wetlands Inventory (NWI) maps.

CH2MHILL utilized two methodologies for this field investigation. CH2M HILL ecological staff walked the 10-mile project ROW and conducted a wetland and stream determination. Within a 300 foot by 100 foot area around the eight electric transmission pole replacements, CH2MHILL field-delineated wetland and waterbody boundaries according to the routine onsite methodology described in the 2012 USACE

Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region (Version 2.0). Wetlands and waterbodies were delineated and determined within the Project area to identify potential resource areas that may be impacted, in accordance with applicable federal and state regulations and guidance.

The wetland and waterbody determination conducted within the 10-mile ROW included the collection of general characteristics, approximate location, and conservative boundaries of potential wetlands and streams. Wetlands were not formally delineated as part of this effort; soils were not evaluated and a detailed vegetation analysis was not conducted. The ROW width evaluated was 100-feet. The following data was collected:

- Wetlands: Global positioning system (GPS) data to document the approximate location of the potential wetland within the Project area, photographs, potential hydrologic indicators, and dominant vegetation.
- Streams: GPS data to document the approximate location of the potential stream within the Project area, photographs, and the following stream information: stream class (perennial, intermittent, or ephemeral), substrate, riparian zone, width at the ordinary high water mark, and width at the top of bank.

It is noted that no test pits were advanced within potential wetlands or adjacent upland areas. Further, no U.S. Army Corps of Engineers (USACE) wetland determination data forms or Ohio Environmental Protection Agency (OEPA) Ohio Rapid Assessment Method version 5.0 (ORAM) scoring forms were completed for the potential wetland areas identified within the wetland and waterbody determination areas. Project figures including a USGS topographic map/site overview map (showing relevant boundaries Exhibit 1 of the Letter of Notification) and aerial photography showing determined wetlands and waterbodies (Exhibit 2 of the Letter of Notification)Attachment A contains photographic documentation of the delineated wetlands and waterbodies and those identified during the wetland determination.

2.0 Results

Areas of old field vegetation, maintained lawns and residential lawns occur throughout the Project area. These areas are comprised of upland plants typical of such habitats, including goldenrod (*Solidago* sp.), common teasel (*Dipsacus fullonum*), Queen Anne's lace (*Daucus carota*), fescue (*Festuca* sp.), Indian hemp (*Apocynum cannabinum*), red clover (*Trifolium pratense*), broomsedge (*Andropogon virginicus*), dandelion (*Taraxacum officinale*) and Allegheny blackberry (*Rubus allegheniensis*). Agricultural fields were identified within the eastern portion of the Project area, and most were recently planted with corn (*Zea mays*).

Wetland Delineation

No wetlands were identified at the proposed pole replacement survey areas during the field investigation. One pond (P01) and one perennial stream (S01) were identified in and near the survey area for Pole 36. P01 is a man-made pond located near a residential development. The overflow drain from P01 flows into S01 south of the pole replacement. S01 was classified as a perennial stream with an

approximate two-foot wide ordinary high water mark (OWHM) width. Substrate in S01 is dominated by gravel and cobble.

Wetland Determination

The wetland and stream determinations identified 22 potential wetlands, 4 ponds, and 17 streams within the 10-mile ROW. It is noted that one additional wetland was identified outside of, but adjacent to, the ROW survey corridor. A summary of the waterbodies and wetlands identified within the 100-foot wide survey corridor during the field investigation, feature classifications, and the approximate feature size are summarized in Tables 1 and 2 below. Photograph numbers correspond to the site photographs included as Attachment A.

Table 1
American Electric Power Wagenhals-West Canton 138kV Line Project
Summary of Waterbodies Identified

Name	Classification	Length (ft)/Area (ac)	Photo #
S01	Perennial	184	1, 2
S02	Perennial	160	4, 5
S03	Perennial	100	6, 7
S04	Perennial	87	8, 9
S05	Perennial	540	10, 11
S09	Perennial	101	12, 13, 14
S10	Ephemeral	133	15, 16, 17
S11	Perennial	102	18, 19, 20
S12	Perennial	108	21, 22, 23
S13	Perennial	680	24, 25, 26
S14	Perennial	104	27, 28, 29
S15	Ephemeral	114	30, 31
S16	Perennial	159	32, 33, 34
S17	Intermittent	154	35, 36
S18	Perennial	158	37, 38
S19	Perennial	104	39, 40, 41
S20	Ephemeral	167	42, 43
P01	Open Water	0.07	3
P02	Open Water	0.21	46
P03	Open Water	0.12	47
P04	Open Water	2.03	44, 45

Table 2
American Electric Power
Wagenhals-West Canton 138kV Line Project
Summary of Wetlands Identified

Name	Classification	Area (ac)	Photo #
W01	PEM	1.91	48, 49
W02	PEM	2.59	50, 51
W03	PEM	0.24	52, 53
W04	PEM	0.04	89
W06	PSS	0.04	54, 55
W07	PSS	0.12	56
W08	PEM	0.12	57, 58
W09	PEM/PSS	0.10	59
W10	PEM/PSS	0.02	60
W11	PEM/PSS	0.08	61
W12	PEM	0.01	62, 63
W13	PEM	0.03	64, 65
W14	PEM	1.92	66, 67, 68, 69, 70
W15	PSS	0.23	71, 72
W16	PSS	0.16	73, 74
W17	PEM	0.03	75, 76
W18	PEM	0.40	77, 78
W19	PSS	0.06	79, 80
W20	PSS	2.08	81, 82, 83
W21	PEM	0.32	84, 85, 86
W22	PSS	0.09	87, 88

PEM – Palustrine Emergent
PSS – Palustrine Scrub Shrub

3.0 CONCLUSION

This letter report summarizes the results of a wetland and waterbody delineation and determination conducted by CH2M HILL within the Wagenhals-West Canton 138kV Line Project (Project) in Stark County, Ohio from January 14-17, 2013. In total, CH2M HILL identified one stream and one pond during the wetland and waterbody delineation survey, and 22 potential wetlands, 4 ponds, and 17 streams within the Project area during the wetland and waterbody determination surveys.

We appreciate the opportunity to assist AEP with this Project. If you have questions, please feel free to call John Hurd at (513) 587-7158.

Sincerely,

CH2M HILL

Ron Johnson, PWS
Environmental Scientist

John Hurd
Project Manager

Attachments: Appendix A – Site Photographs

4.0 REFERENCES

Cowardin, L. M., V. Carter, and F. C. Golet. 1979. Classification of Wetlands and Deep Water Habitats of the United States. U.S. Department of the Interior, Fish and Wildlife Service. Washington D. C. FWS/OBS-79/31.

Ohio Environmental Protection Agency (OEPA). 2000. *ORAM v. 5.0 Quantitative Score Calibration.* Columbus, Ohio.

Ohio Environmental Protection Agency (OEPA). 2002. *Field Evaluation Manual for Ohio's Primary Headwater Habitat Streams.* Final Version 1.0. September 2002.

Ohio Environmental Protection Agency (OEPA). 2009. *Field Evaluation Manual for Ohio's Primary Headwater Habitat Streams.* Review Version 2.3. October 2009.

United States Army Corps of Engineers (USACE). 2010. U.S. Army Corps of Engineers (2010). "Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Midwest Region (Version 2.0)," ERDC/EL TR-10-16, U.S. Army Engineer Research and Development Center, Vicksburg, MS.

Attachment A

Site Photographs

Photo 1: Stream S01, upstream view, facing north.

Photo 2: Stream S01, downstream view, facing east.

Photo 3: Pond P01, facing east. Photo 3: Pond P01, facing east.

Photo 4: Stream S02, upstream view, facing east.

Photo 5: Stream S02, upstream view, facing west.

Photo 6: Stream S03, upstream view, facing north.

Photo 7: Stream S03, downstream view, facing south.

Photo 8: Stream S04, upstream view, facing west.

This foregoing document was electronically filed with the Public Utilities

Commission of Ohio Docketing Information System on

1/28/2013 2:34:38 PM

in

Case No(s). 13-0170-EL-BLN

Summary: Letter of Notification Wagenhals-West Canton 138kV Line Improvement Project (Part 1) electronically filed by Mr. Yazen Alami on behalf of AEP Ohio Transmission Company