

## ATTACHMENT D

PARCELID	Site Address	Site City	Site Zip Code	Owner Name 1	Owner Name 2	Owner Address 1	Owner Address 2
070-000779	2692 WELSFORD RD	UPPER ARLINGTON	43221	KLOOS ROBERT G TTEE	KLOOS ANNE D TTEE	2692 WELSFORD RD	COLUMBUS OH 43221
070-001089	2663 NORTHWEST BL	UPPER ARLINGTON	43221	URITUS MATTHEW T	URITUS ERIN F	2663 NORTHWEST BLVD	COLUMBUS OH 43221
070-001110	2673 NORTHWEST BL	UPPER ARLINGTON	43221	BLACK III WILLIAM J	BLACK SUZANNE	2673 NORTHWEST BLVD	COLUMBUS OH 43221-3344
070-001114	2685 NORTHWEST BL	UPPER ARLINGTON	43221	BOUCHARD DAVID J	BOUCHARD KAREN M	2685 NORTHWEST BLVD	COLUMBUS OH 43221
070-002686	2662 NORTHWEST BL	UPPER ARLINGTON	43221	MCDOWELL PAM		5699 ZETLAND CT	DUBLIN OH 43017
070-002687	2670 NORTHWEST BL	UPPER ARLINGTON	43221	VARVAS CRISTIAN FLORIN	VARVAS ANCA IULIANA	2670 NORTHWEST BLVD	COLUMBUS OH 43221
070-002688	2678 NORTHWEST BL	UPPER ARLINGTON	43221	WALNUT MANAGEMENT LLC		1585 BETHEL RD STE 200	COLUMBUS OH 43220
070-002689	2688 NORTHWEST BL	UPPER ARLINGTON	43221	WHITMAN ROBERT L	WHITMAN TERESA F	2688 NORTHWEST BLVD	COLUMBUS OH 43221-3345
070-002690	2681 BRANDON RD	UPPER ARLINGTON	43221	WEHDER JULIA	WEHDER ERIC	2681 BRANDON RD	UPPER ARLINGTON OH 43221
070-002692	2665 BRANDON RD	UPPER ARLINGTON	43221	RICKETTS RYAN	RICKETTS ROXANNE	2665 BRANDON RD	COLUMBUS OH 43221
070-002693	2657 BRANDON RD	UPPER ARLINGTON	43221	DAHLGREN BRET G	BYRKET LINDA L	2657 BRANDON RD	COLUMBUS OH 43221
070-002731	2662 BRANDON RD	UPPER ARLINGTON	43221	JACKSON BRIAN C	JACKSON KERRY K	2662 BRANDON RD	COLUMBUS OH 43221
070-002732	2670 BRANDON RD	UPPER ARLINGTON	43221	MUTLU TYLER D	MUTLU MICHELLE L	2670 BRANDON RD	COLUMBUS OH 43221
070-002733	1695 NORTHAM RD	UPPER ARLINGTON	43221	HACKETT THOMAS B		1695 NORTHAM ROAD	UPPER ARLINGTON OH 43221
070-003586	2716 WELSFORD RD	UPPER ARLINGTON	43221	ERIKSSON LINDA		2716 WELSFORD RD	COLUMBUS OH 43221
070-003624	2712 BRANDON RD	UPPER ARLINGTON	43221	LEWIS STEPHANIE A	LEWIS ROY E	2712 BRANDON RD	COLUMBUS OH 43221
070-003625	2704 BRANDON RD	UPPER ARLINGTON	43221	ACKMAN SARAH V	ACKMAN WILLIAM E	2704 BRANDON RD	COLUMBUS OH 43221
070-003626	2700 BRANDON RD	UPPER ARLINGTON	43221	DUNN ROBERT R		2700 BRANDON RD	COLUMBUS OH 43221-3347
070-003627	2693 BRANDON RD	UPPER ARLINGTON	43221	ANTHONY PENNY B		2693 BRANDON RD	COLUMBUS OH 43221
070-003628	2701 BRANDON RD	UPPER ARLINGTON	43221	COCKRELL THOMAS M	COCKRELL CHERYL A	2701 BRANDON RD	COLUMBUS OH 43221-3336
070-003650	2740 NORTHWEST BL	UPPER ARLINGTON	43221	CLARK DONALD EDWARD	CLARK LEISEL WILLIS	2740 NORTHWEST BLVD	COLUMBUS OH 43221
070-003651	2732 NORTHWEST BL	UPPER ARLINGTON	43221	ANDERSON KURT L		2732 NORTHWEST BLVD	COLUMBUS OH 43221
070-003652	2720 NORTHWEST BL	UPPER ARLINGTON	43221	MROZEK KRZYSZTOF	MROZEK EWA	2720 NORTHWEST BLVD	COLUMBUS OH 43221
070-003653	2710 NORTHWEST BL	UPPER ARLINGTON	43221	KNIGHT DAVIS JENNIFER CHRISTINE		2710 NORTHWEST BLVD	COLUMBUS OH 43221
070-003654	2700 NORTHWEST BL	UPPER ARLINGTON	43221	MILLER TYLER		2700 NORTHWEST BLVD	UPPER ARLINGTON OH 43221
070-003655	2705 NORTHWEST BL	UPPER ARLINGTON	43221	STOLLER SANDRA B	STOLLER JACK	2705 NORTHWEST BLVD	COLUMBUS OH 43221
070-003656	NORTHWEST BL	UPPER ARLINGTON	43221	HURLEY PATRICK S	HURLEY ANDREA L	2727 NORTHWEST BLVD	COLUMBUS OH 43221
070-003657	2727 NORTHWEST BL	UPPER ARLINGTON	43221	HURLEY PATRICK S	HURLEY ANDREA L	2727 NORTHWEST BLVD	COLUMBUS OH 43221
070-003658	2737 NORTHWEST BL	UPPER ARLINGTON	43221	SCHOOLEY GEORGE		2737 NORTHWEST BLVD	COLUMBUS OH 43221
070-003659	2745 NORTHWEST BL	UPPER ARLINGTON	43221	MOSKAL BRANDON T	MOSKAL MARGARET T	2745 NW BLVD	COLUMBUS OH 43221
070-003681	2728 WELSFORD RD	UPPER ARLINGTON	43221	ADAMS WILLIAM H JR	ADAMS JULIA D	2728 WELSFORD RD	COLUMBUS OH 43221-3323
070-003683	2708 WELSFORD RD	UPPER ARLINGTON	43221	WEAVER LAWRENCE G	WEAVER GRETCHEN I	2708 WELSFORD RD	COLUMBUS OH 43221-3323
070-002734	2671 CHESTER RD	UPPER ARLINGTON	43221	SCHOENY STEVEN R TR	DABELKO-SCHOENY HOLLY IONE TR	2671 CHESTER RD	COLUMBUS OH 43221
070-002735	2663 CHESTER RD	UPPER ARLINGTON	43221	SCHOEDINGER JACK		2663 CHESTER ROAD	COLUMBUS OH 43221
070-003391	1680 NORTHAM RD	UPPER ARLINGTON	43221	1680 NORTHAM LLC		3763 ATTUCKS DR	POWELL OH 43065
070-003600	2693 CHESTER RD	UPPER ARLINGTON	43221	HUBER STEPHEN H JR	HUBER ASHLEY F	2693 CHESTER RD	COLUMBUS OH 43221
070-003732	1435 RIDGEVIEW RD	UPPER ARLINGTON	43221	MAHERAS STEVEN J	FRANCIS SALLY J	1435 RIDGEVIEW RD	COLUMBUS OH 43221
070-009517	2754 NORTH STAR RD	UPPER ARLINGTON	43221	WENDORFF DANIEL J TR	WENDORFF JILL A TR	2754 N STAR RD	COLUMBUS OH 43221-2960
070-009518	2770 NORTH STAR RD	UPPER ARLINGTON	43221	KING CRAIG S		2770 NORTH STAR RD	COLUMBUS OH 43221
070-009519	2786 NORTH STAR RD	UPPER ARLINGTON	43221	MCCREARY NELSON THOMAS	DAVIS JILL ELIZABETH	2786 N STAR ROAD	COLUMBUS OH 43221
070-009548	2789 NORTH STAR RD	UPPER ARLINGTON	43221	SU CHENG MING TR	SU JUDY HSIAO-JU TR	2789 NORTH STAR RD	COLUMBUS OHIO 43221
070-009549	2773 NORTH STAR RD	UPPER ARLINGTON	43221	DAME CRAIG L	DAME TERESA L	2773 N STAR RD	COLUMBUS OH 43221-2919
070-009550	2757 NORTH STAR RD	UPPER ARLINGTON	43221	BUEHLER GARY		2757 N STAR RD	COLUMBUS OH 43221
070-009678	2778 PICKWICK DR	UPPER ARLINGTON	43221	ERWIN LOGAN	AUGOSTINI ROSEMARY	2778 PICKWICK DR	COLUMBUS OH 43221
070-009679	1426 RIDGEVIEW RD	UPPER ARLINGTON	43221	ROLLINS BRANDON C	KERR MELANIE R	1426 RIDGEVIEW RD	UPPER ARLINGTON OH 43221
070-010242	2723 NORTH STAR RD	UPPER ARLINGTON	43221	LANCASTER STEPHANIE D	LANCASTER TIFFANY C	2723 N STAR RD	COLUMBUS OH 43221
070-010243	2731 NORTH STAR RD	UPPER ARLINGTON	43221	BALLANTYNE RYAN W		2731 NORTH STAR RD	COLUMBUS OH 43221
070-010244	1385 RIDGEVIEW RD	UPPER ARLINGTON	43221	ENSIGN DEREK JASON	ENSIGN MARGARET	1385 RIDGEVIEW RD	COLUMBUS OH 43221
070-010245	2730 MONTCALM RD	UPPER ARLINGTON	43221	HORAVA KATHY A		2730 MONTCALM RD	COLUMBUS OH 43221
070-010270	2721 MONTCALM RD	UPPER ARLINGTON	43221	BOHRER GIL	BOHREROVA ZUZANA	2721 MONTCALM RD	COLUMBUS OH 43221
070-010271	2731 MONTCALM RD	UPPER ARLINGTON	43221	SOKOLOV ALEXANDER	SOKOLOVA VICTORIA	2731 MONTCALM RD	COLUMBUS OH 43221
070-010272	1415 RIDGEVIEW RD	UPPER ARLINGTON	43221	FEINBERG RUSSELL S	FEINBERG TRINA S	1415 RIDGEVIEW RD	COLUMBUS OH 43221
070-004271	1425 RIDGEVIEW RD	UPPER ARLINGTON	43221	SHIPENGROVER JOANNA D	DAVISON JOHN R	1425 RIDGEVIEW RD	COLUMBUS OH 43221
010-203996	2548 CARMACK RD	COLUMBUS	43221	STATE OF OHIO		1534 N HIGH ST	COLUMBUS OH 43201



# Ohio Department of Natural Resources

ATTACHMENT E

MIKE DeWINE, GOVERNOR

MARY MERTZ, DIRECTOR

**Office of Real Estate**

*Tara Paciorek, Chief*

2045 Morse Road – Bldg. E-2

Columbus, OH 43229

Phone: (614) 265-6661

Fax: (614) 267-4764

June 28, 2023

Jacqueline McCort  
Colliers Engineering & Design  
5275 Parkway Plaza Boulevard, Suite 100  
Charlotte, North Carolina 28217

**Re:** 23-0629; University Project

**Project:** The proposed project involves the installation of 20-inch-high pressure steel pipelines.

**Location:** The proposed project is located in Clinton Township, Franklin County, Ohio.

The Ohio Department of Natural Resources (ODNR) has completed a review of the above referenced project. These comments were generated by an inter-disciplinary review within the Department. 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 National Environmental Policy Act, the Coastal Zone Management Act, Ohio Revised Code and other applicable laws and regulations. These comments are also based on ODNR's experience as the state natural resource management agency and do not supersede or replace the regulatory authority of any local, state, or federal agency nor relieve the applicant of the obligation to comply with any local, state or federal laws or regulations.

**Natural Heritage Database:** The Natural Heritage Database has the following data within one mile of the project area:

Lark Sparrow (*Chondestes grammacus*), E  
Yellow-crowned Night-heron (*Nyctanassa violacea*), SI  
Elktoe (*Alasmidonta marginata*), SC  
Purple Wartyback (*Cyclonaias tuberculata*), SC  
Wavy-rayed Lampmussel (*Lampsilis fasciola*), SC  
Black Sandshell (*Ligumia recta*), SC  
Round Pigtoe (*Pleurobema sintoxia*), SC  
Kidneyshell (*Ptychobranhus fasciolaris*), SC  
Rayed Bean (*Villosa fabalis*), E, FE  
Waterfall

The review was performed on the specified project area as well as an additional one-mile radius. Records searched date from 1980. Conservation status abbreviations are as follows: E = state endangered; T = state threatened; P = state potentially threatened; SC = state species of concern; SI = state special interest; U = state status under review; X = presumed extirpated in Ohio; FE = federally endangered, and FT = federally threatened. The species and features listed above are not recorded within the specified project area boundaries.

Please note that Ohio has not been completely surveyed and we rely on receiving information from many sources. Therefore, a lack of records for an area is not a statement that rare species or unique features are absent from that area.

**Fish and Wildlife:** The Division of Wildlife (DOW) has the following comments.

The DOW recommends that impacts to streams, wetlands and other water resources be avoided and minimized to the fullest extent possible, and that Best Management Practices be utilized to minimize erosion and sedimentation.

The project is within the vicinity of records for the little brown bat (*Myotis lucifugus*), a state endangered species. Because presence of state endangered bat species has been established in the area, summer tree cutting is not recommended, and additional summer surveys would not constitute presence/absence in the area. However, limited summer tree cutting inside this buffer may be acceptable after further consultation with DOW (contact Eileen Wyza at [Eileen.Wyza@dnr.ohio.gov](mailto:Eileen.Wyza@dnr.ohio.gov)).

In addition, the entire state of Ohio is within the range of the Indiana bat (*Myotis sodalis*), a state endangered and federally endangered species, the northern long-eared bat (*Myotis septentrionalis*), a state endangered and federally endangered species, the little brown bat (*Myotis lucifugus*), a state endangered species, and the tricolored bat (*Perimyotis subflavus*), a state endangered species. During the spring and summer (April 1 through September 30), these bat species predominately roost in trees behind loose, exfoliating bark, in crevices and cavities, or in the leaves. However, these species are also dependent on the forest structure surrounding roost trees. The DOW recommends tree cutting only occur from October 1 through March 31, conserving trees with loose, shaggy bark and/or crevices, holes, or cavities, as well as trees with DBH  $\geq 20$  if possible.

The DOW also recommends that a desktop habitat assessment is conducted, followed by a field assessment if needed, to determine if a potential hibernaculum is present within the project area. Direction on how to conduct habitat assessments can be found in the current USFWS “[RANGE-WIDE INDIANA BAT & NORTHERN LONG-EARED BAT SURVEY GUIDELINES](#).” If a habitat assessment finds that a potential hibernaculum is present within 0.25 miles of the project area, please send this information to Eileen Wyza for project recommendations. If a potential or known hibernaculum is found, the DOW recommends a 0.25-mile tree cutting and subsurface disturbance buffer around the hibernaculum entrance, however, limited summer or winter tree cutting may be acceptable after consultation with the DOW. If no tree cutting or subsurface impacts to a hibernaculum are proposed, this project is not likely to impact these species.

The project is within the range of the following listed mussel species.

Federally Endangered

clubshell (*Pleurobema clava*)  
 rayed bean (*Villosa fabalis*)  
 northern riffleshell (*Epioblasma torulosa rangiana*)  
 snuffbox (*Epioblasma triquetra*)  
 purple cat's paw (*Epioblasma o. obliquata*)

Federally Threatened

rabbitsfoot (*Quadrula cylindrica cylindrica*)

State Endangered

elephant-ear (*Elliptio crassidens crassidens*)  
pocketbook (*Lampsilis ovata*)  
long solid (*Fusconaia maculata maculate*)  
washboard (*Megaloniaias nervosa*)  
Ohio pigtoe (*Pleurobema cordatum*)

State Threatened

pondhorn (*Unio merus tetralasmus*)  
Salamander Mussel (*Simpsoniaias ambigua*)

Due to the location, and that there is no in-water work proposed in a perennial stream of sufficient size, this project is not likely to impact these species.

The project is within the range of the following listed fish species.

State Endangered

goldeye (*Hiodon alosoides*)  
shortnose gar (*Lepisosteus platostomus*)  
Iowa darter (*Etheostoma exile*)  
spotted darter (*Etheostoma maculatum*)  
northern brook lamprey (*Ichthyomyzon fossor*)  
tonguetied minnow (*Exoglossum laurae*)  
popeye shiner (*Notropis ariommus*)

State Threatened

lake chubsucker (*Erimyzon sucetta*)  
paddlefish (*Polyodon spathula*)

The DOW recommends no in-water work in perennial streams from March 15 through June 30 to reduce impacts to indigenous aquatic species and their habitat. If no in-water work is proposed in a perennial stream, this project is not likely to impact these or other aquatic species.

Due to the potential of impacts to federally listed species, as well as to state listed species, we recommend that this project be coordinated with the US Fish & Wildlife Service.

**Water Resources:** The Division of Water Resources has the following comment.

The [local floodplain administrator](#) should be contacted concerning the possible need for any floodplain permits or approvals for this project.

ODNR appreciates the opportunity to provide these comments. Please contact Mike Pettegrew at [mike.pettegrew@dnr.ohio.gov](mailto:mike.pettegrew@dnr.ohio.gov) if you have questions about these comments or need additional information.

Mike Pettegrew  
Environmental Services Administrator



1501 Reedsdale Street  
Suite 302  
Pittsburgh, Pennsylvania 15233  
Main: 412 618 5390

<http://colliersengineering.com/>



December 18, 2023

John Navarro  
Ohio Department of Natural Resources  
Division of Wildlife  
2045 Morse Road, G-3  
Columbus, OH 43229

North Columbus High Pressure (NCHP) Pipeline Project – University /2023-0084418  
Colliers Engineering & Design Project No.: 21004202A

Dear John Navarro,

Colliers Engineering & Design (CED) has conducted a threatened and endangered species assessment on a proposed NiSource, Inc. pipeline installation (NCHP Pipeline Project - University /2023-0084418) within Franklin County, Ohio. At this time, CED is anticipating *no effects* to federally listed species, their habitats, or designated critical habitat as a result of the Project. Additionally, there will be no anticipated impacts to state-listed species. Although initial informal consultation with the USFWS was initiated on 21 July 2023, the scope of the Project activities has since been altered. As such, we are providing this correspondence to detail the Project alterations and to request concurrence for our determinations.

Details associated with our initial 21 July 2023 correspondence and project design are provided in **Attachment A**. As previously planned, all waterbodies and wetlands would be subject to horizontal directionally drilling (HDD) to avoid disturbance to aquatic habitats. However, NiSource is now proposing the trenching of one (1) ephemeral drainage located at 40.017659 N, -83.038120 W. This drainage is adjacent to two (2) agricultural fields, is not a tributary to any named waterbody, and is not within the floodplain of any named waterbody. Moreover, through desktop and literature review, this drainage is not likely to be considered habitat for the federally endangered Rayed Bean (*Villosa fabalis*). All other state-listed species within correspondence with ODNR on 28 July 2023 (**Attachment B**) are also unlikely to inhabit the aforementioned stream.

All other wetlands and waterbodies associated with the Project will be subject to HDD. NiSource has developed an inadvertent release (IR) plan in accordance with USFWS and ODNR guidelines to minimize potential impacts to freshwater mussel habitats.

Based on the above analysis, we conclude that the proposed Project activities will have no effects on State listed species, their habitats, or designated critical habitat. Appropriate best management practices (BMPs) to minimize construction phase erosion and sedimentation impacts will be incorporated into the Project activities.

Should you have any questions or concerns, please do not hesitate to contact me via email or my mobile number below.

Sincerely,



Jacqueline M. McCort  
Geographic Discipline Leader, Natural Resources

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## ATTACHMENT A

1501 Reedsdale Street  
Suite 302  
Pittsburgh, Pennsylvania 15233  
Main: 412 618 5390  
<http://colliersengineering.com/>



July 21, 2023

U.S. Fish and Wildlife Service  
Ohio Ecological Services Field Office  
4625 Morse Road, Suite 104  
Columbus, OH 43230-8355

Re: **Project Name/Code:** North Columbus High Pressure (NCHP) Pipeline Project –  
University /2023-0084418  
Franklin County, OH  
Colliers Engineering & Design Project No.: 21004202A

To Whom It May Concern:

The intent of this letter is to initiate informal consultation with the United States Fish and Wildlife Service (USFWS) in regard to the potential impacts the above-mentioned project may have on Federally Listed Threatened and Endangered Species, and fulfill the requirements set forth under 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 et seq.).

NiSource Inc., owns and operates a natural gas distribution system that serves both the city and surrounding Franklin County. The Project Study Area includes the installation of 20-inch-high pressure steel pipelines within a 100-foot-wide survey corridor centered on the proposed pipeline alignment for a combined total of 3.7 miles. The Project Study Area or "Survey Corridor" is located at latitudinal coordinates 40.010514 N and longitudinal coordinates -83.014027 W. The majority of the pipeline will be installed by trenching. It is anticipated that waterbodies and wetlands will be horizontally directionally drilled (HDD) and have no disturbance. It is presently presumed that the Project will meet the requirements for a Nationwide Permit No. 12, but that a Pre-Construction Notification (PCN) is not required. A Project Location Map is (Figure 1) and a detailed Project Wetland Delineation Map (Figure 5) are enclosed for your reference to depict the location of the proposed project activities more clearly.

On May 22, 2023, an Information for Planning and Consultation (IPaC) Project Review was conducted to initiate the informal consultation process. The IPaC identified potential threatened, endangered, and candidate species that may occur within the boundary of the proposed project and/or may be affected by the proposed project. A copy of the IPaC review is enclosed for your reference.

Following are descriptions of the habitat of the species listed in the IPaC review:

**Tricolored Bat (*Perimyotis subflavus*):** This bat species is often found in caves and abandoned mines in winter, although in the southern United States, where caves are sparse, tricolored bats are often found roosting in roadside culverts where they exhibit shorter torpor periods and forage during warm nights. During the spring, summer, and fall, tricolored bats are found in forested

Maser Consulting is now Colliers Engineering & Design

habitats where they roost in trees, primarily among leaves of live or recently dead deciduous hardwood trees, but may also be found in Spanish moss, pine trees, and occasionally human structures.

**Indiana Bat (*Myotis sodalis*):** During winter, Indiana bats are restricted to suitable underground hibernacula. Most of these sites are caves located in karst areas of the east-central United States; however, Indiana bats also hibernate in other cave-like locations, especially abandoned mines. In summer, most reproductive females occupy roost sites in forested areas under the exfoliating bark of dead or dying trees that retain large, thick slabs of peeling bark. Primary roosts usually receive direct sunlight for more than half the day. Roost trees are often within canopy gaps in a forest, in a fenceline, or along a wooded edge. Habitats in which maternity roosts occur include riparian zones, bottomland and floodplain habitats, wooded wetlands and upland communities.

**Northern Long-eared Bat (*Myotis septentrionalis*):** Northern long-eared bats spend winter hibernating in caves and mines, called hibernacula. They use areas in various sized caves or mines with constant temperatures, high humidity and no air currents. During the summer and portions of the fall and spring, northern long-eared bats may be found roosting singly or in colonies underneath bark, in cavities or in crevices of both live trees and snags, or dead trees. Males and non-reproductive females may also roost in cooler places, like caves and mines. Northern long-eared bats seem to be flexible in selecting roosts, choosing roost trees based on suitability to retain bark or provide cavities or crevices. The species has also been found, although less commonly, roosting in structures, such as barns and sheds. Northern long-eared bats use forested areas not only for roosting, but also for foraging and commuting between summer and winter habitat.

The project location has a combination forests, stream crossings, and residential and commercial development. As it pertains to listed bat species and wooded habitat, the proposed 20-inch-high pressure distribution main is proposed to be constructed entirely within the roadway right-of-way where possible, and more specifically, most of this main will be constructed within the limits of the paved road. Near the eastern end of the project limits, the pipeline is proposed to cross the northern edge of a patch of forest on Ohio State University property, where trees will have to be cleared to install and maintain the pipeline. Within city road rights-of-way, no trees are to be taken down unless it is necessary to do so. For all tree clearing, NiSource Inc. will adhere to the seasonal tree clearing restrictions recommended by federal and state agencies (October 1 to March 31).

**Monarch Butterfly (*Danaus plexippus*):** In the spring and summer, the monarch butterfly's habitat is open fields and meadows with milkweed. In winter it can be found on the coast of southern California and at high altitudes in central Mexico. Adult monarchs feed on the nectar of many flowers during breeding and migration, but they can only lay eggs on milkweed plants.

Regarding Monarch Butterfly, we understand that since the Monarch butterfly is a candidate species, this species is not subject to section 7 consultation, and an effects determination is not necessary.

**Rayed Bean (*Villosa fabalis*):** The rayed bean generally lives in smaller, headwater creeks, but it is sometimes found in large rivers and wave-washed areas of glacial lakes. It prefers gravel or sand substrates, and is often found in and around roots of aquatic vegetation.



The project location has a combination forests, stream crossings, and residential and commercial development. All stream wetland crossings will be made via HDD.

If there are any questions or should you require further information, please feel free to contact me at (609) 618-2042 or via email at [jacqueline.mccort@collierseng.com](mailto:jacqueline.mccort@collierseng.com).

Sincerely,

Colliers Engineering & Design, Inc.  
(DBA Maser Consulting)

A handwritten signature in blue ink, appearing to read "Jacqueline M. McCort". The signature is fluid and cursive, with the first name being the most prominent.

Jacqueline M. McCort  
Geographic Discipline Leader, Natural Resources

JMM/td

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## United States Department of the Interior

### FISH AND WILDLIFE SERVICE

Ohio Ecological Services Field Office

4625 Morse Road, Suite 104

Columbus, OH 43230-8355

Phone: (614) 416-8993 Fax: (614) 416-8994



In Reply Refer To:

Project Code: 2023-0084418

Project Name: NCHP Phase 2 - University Project

May 22, 2023

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2) (c)). For projects other than major construction activities, the Service suggests that a biological

evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>

**Migratory Birds:** In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts see <https://www.fws.gov/birds/policies-and-regulations.php>.

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures see <https://www.fws.gov/birds/bird-enthusiasts/threats-to-birds.php>.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both migratory birds and migratory bird habitat. For information regarding the implementation of Executive Order 13186, please visit <https://www.fws.gov/birds/policies-and-regulations/executive-orders/e0-13186.php>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Code in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

---

Attachment(s):

- Official Species List

## OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

**Ohio Ecological Services Field Office**

4625 Morse Road, Suite 104

Columbus, OH 43230-8355

(614) 416-8993

---

## PROJECT SUMMARY

Project Code: 2023-0084418  
Project Name: NCHP Phase 2 - University Project  
Project Type: Natural Gas Distribution  
Project Description: Installation of new utility gas line  
Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@40.01450135,-83.05226748890951,14z>



Counties: Franklin County, Ohio

---

## ENDANGERED SPECIES ACT SPECIES

There is a total of 5 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries<sup>1</sup>, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

- 
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

## MAMMALS

NAME	STATUS
Indiana Bat <i>Myotis sodalis</i> There is <b>final</b> critical habitat for this species. Your location does not overlap the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/5949">https://ecos.fws.gov/ecp/species/5949</a>	Endangered
Northern Long-eared Bat <i>Myotis septentrionalis</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/9045">https://ecos.fws.gov/ecp/species/9045</a>	Endangered
Tricolored Bat <i>Perimyotis subflavus</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/10515">https://ecos.fws.gov/ecp/species/10515</a>	Proposed Endangered

## CLAMS

NAME	STATUS
Rayed Bean <i>Villosa fabalis</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/5862">https://ecos.fws.gov/ecp/species/5862</a>	Endangered

## INSECTS

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/9743">https://ecos.fws.gov/ecp/species/9743</a>	Candidate

---



## **CRITICAL HABITATS**

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

## **IPAC USER CONTACT INFORMATION**

Agency: Colliers Engineering & Design

Name: Tanner Dickson

Address: 5275 Parway Plaza Blvd, Suite 100

City: Charlotte

State: NC

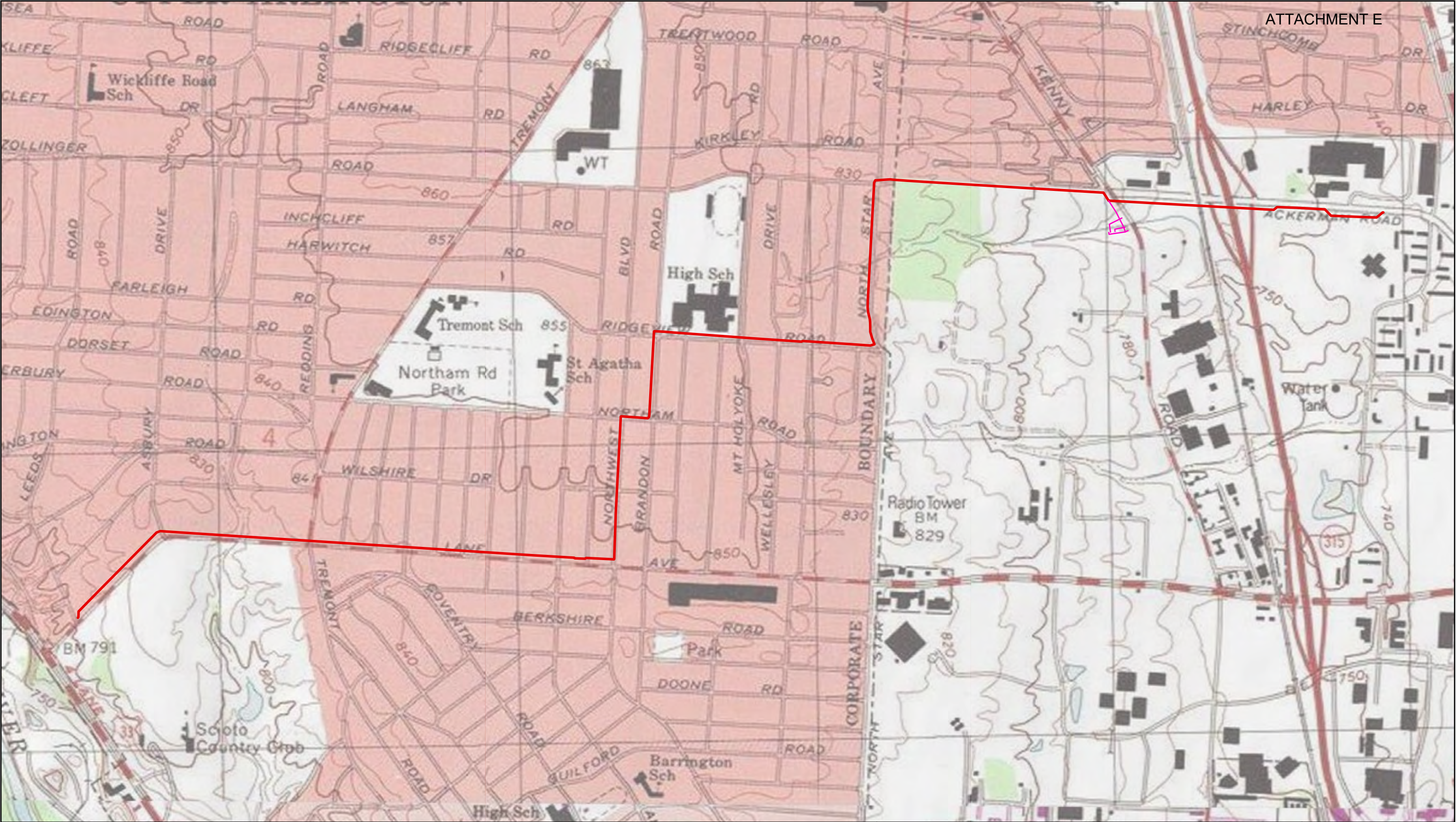
Zip: 28217

Email: [tanner.dickson@colliersengineering.com](mailto:tanner.dickson@colliersengineering.com)

Phone: 8909803033

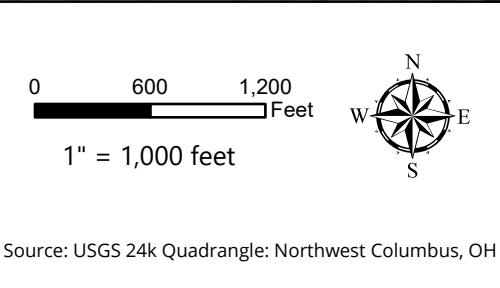
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Prepared For:  
NiSource Inc.  
801 E. 86th Avenue  
Merrillville, IN 46410

Prepared By:  
Raleigh Office  
2000 Regency Parkway Ste 295  
Cary, NC 27518  
T: 919.439.8461  
www.colliersengineering.com



**Figure 1 - Project Location Map**  
**University**  
Franklin County, Ohio

Date:	MC Project #:	Drawn By:
5/25/2023	21004202A	KHY

— Lateral  
— Main Line





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0 100 200 Feet  
1" = 200 feet



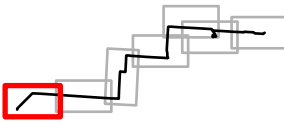
Source: Colliers Engineering & Design

**Figure 5 - Delineation Results**  
*University*  
Franklin County, Ohio

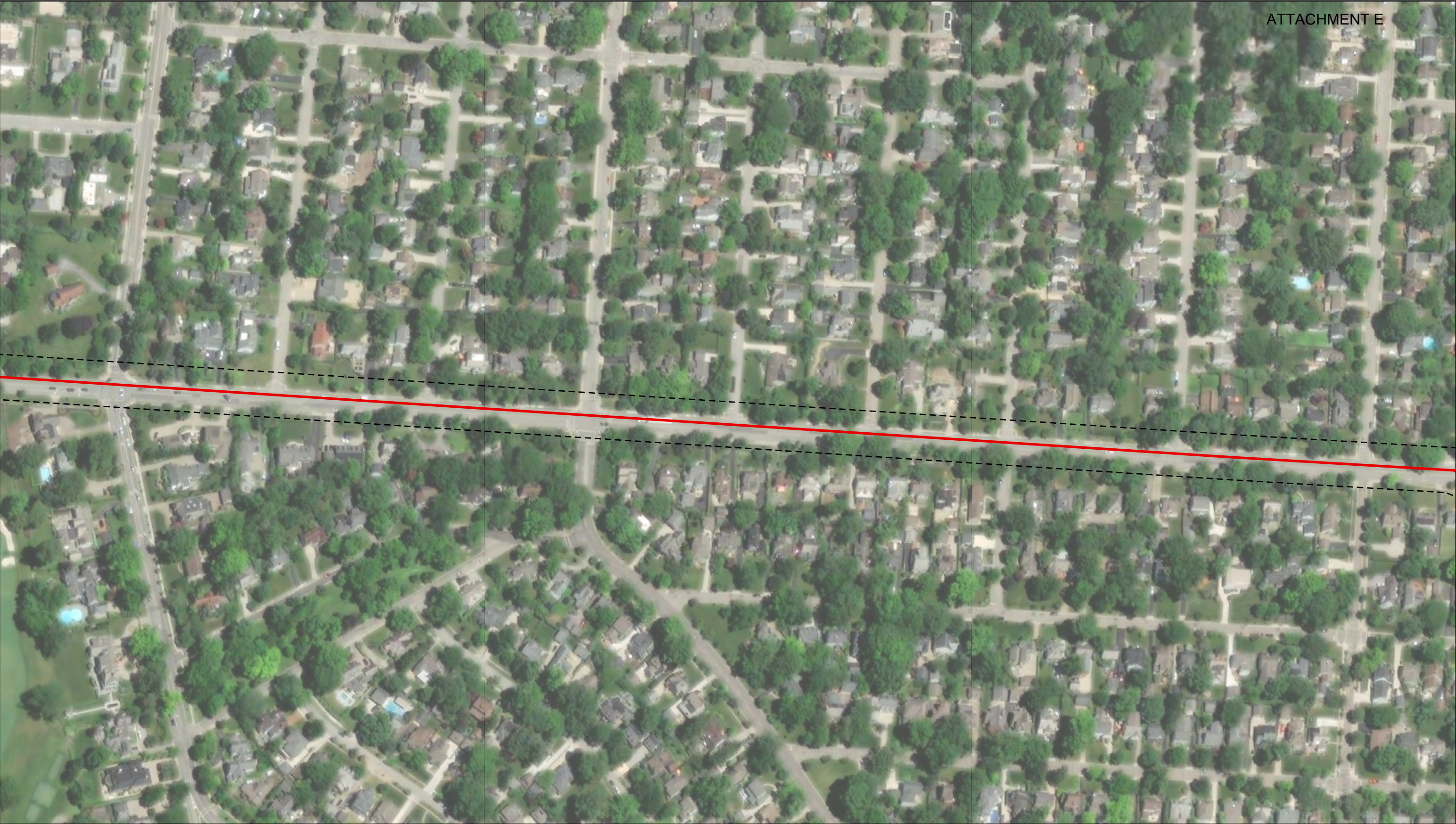
Date:	MC Project #:	Drawn By:
5/25/2023	21004202A	KHY

- Lateral
- Main Line
- - - Study Corridor

- ▲ Culvert
- Stream Type
- Perennial Stream
- ... Stormwater Erosions
- PEM Wetland

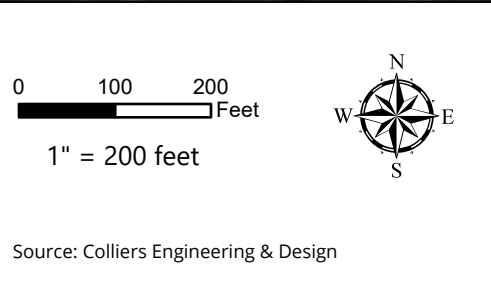






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**Figure 5 - Delineation Results**  
*University*  
Franklin County, Ohio

Date:	MC Project #:	Drawn By:
5/25/2023	21004202A	KHY

Lateral

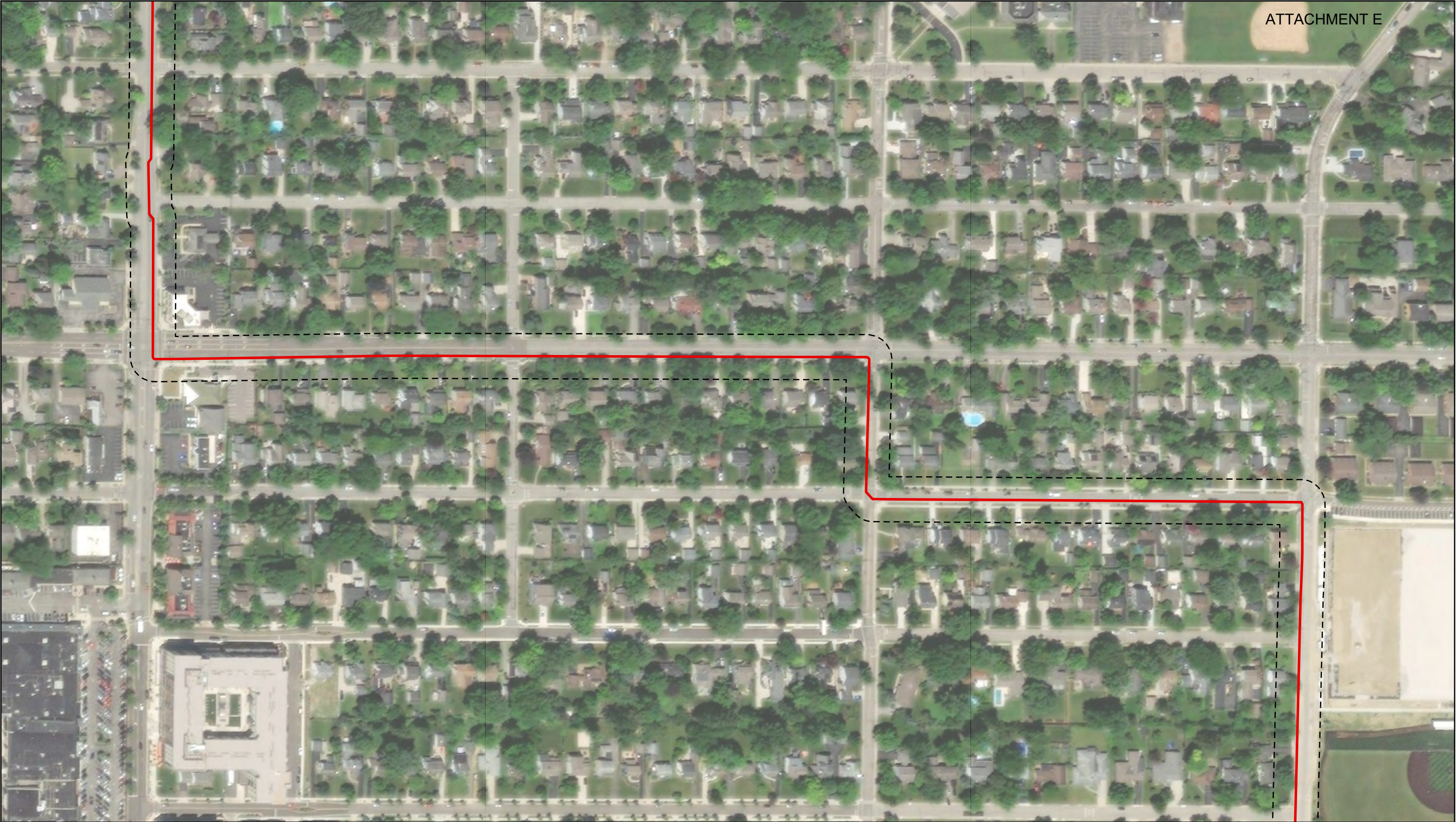
Main Line

Study Corridor

Stormwater Erosions

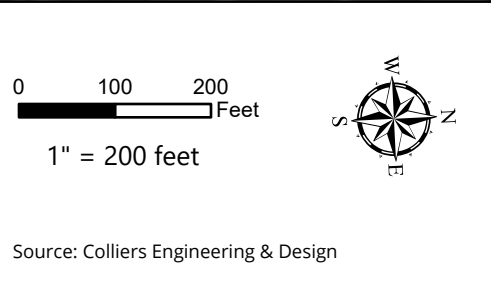
PEM Wetland





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**Figure 5 - Delineation Results**  
*University*  
Franklin County, Ohio

Date:	MC Project #:	Drawn By:
5/25/2023	21004202A	KHY

Lateral

Main Line

Study Corridor

Stormwater Erosions

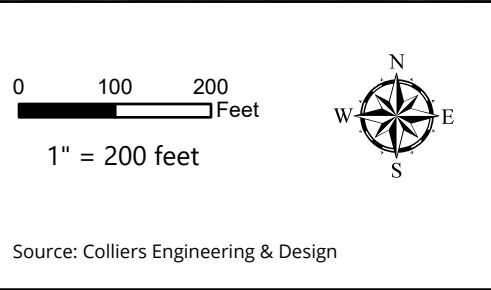
PEM Wetland





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**Figure 5 - Delineation Results**

**University**

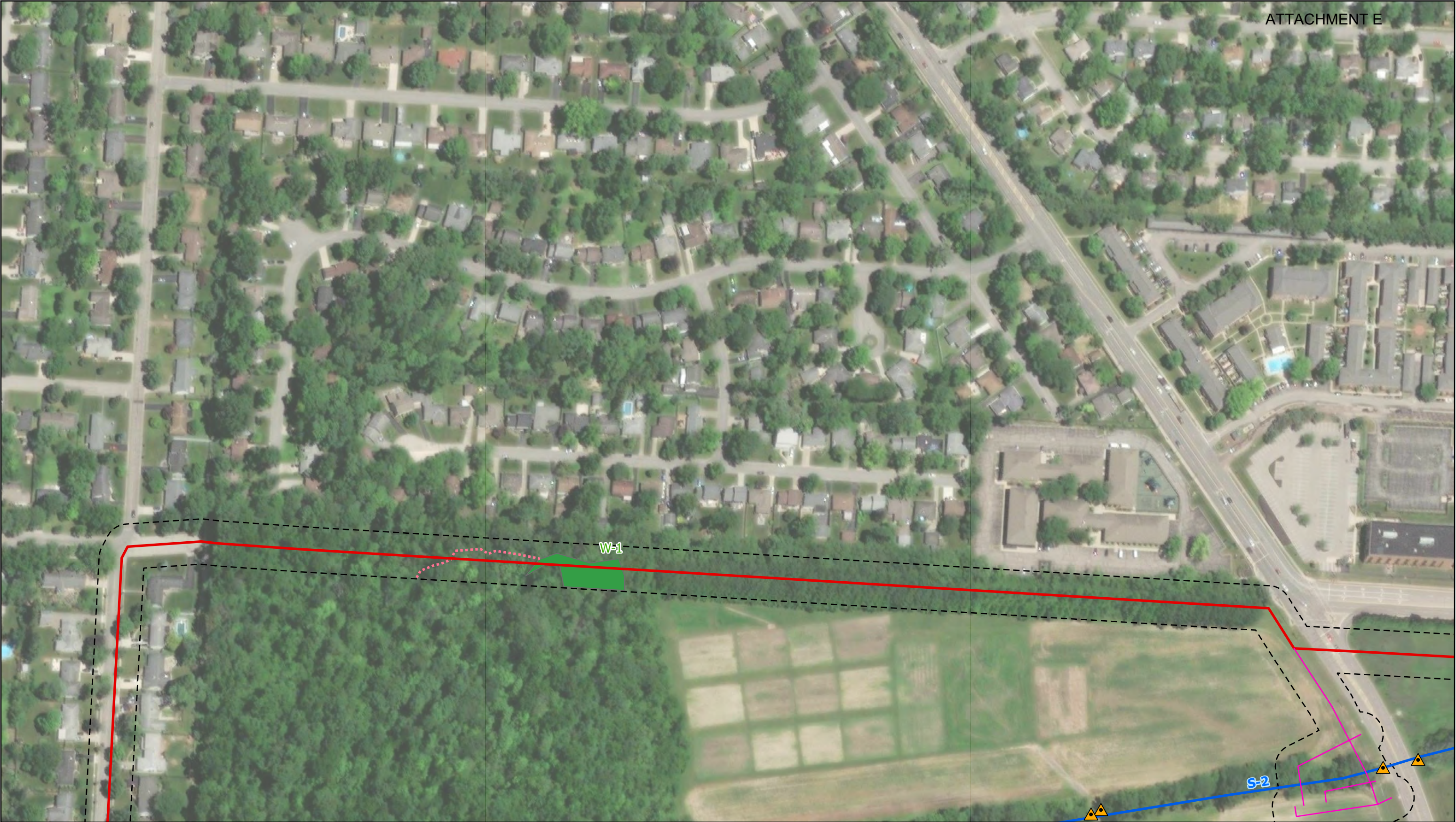
Franklin County, Ohio

Date:	MC Project #:	Drawn By:
5/25/2023	21004202A	KHY

- Lateral
- Main Line
- Study Corridor

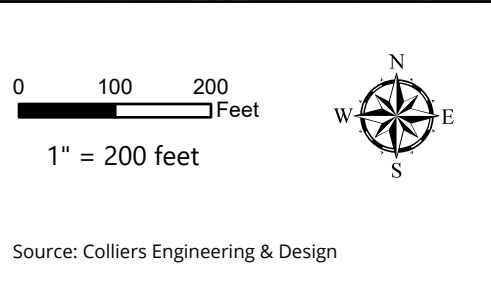
- Stream Type
- Perennial Stream
  - Intermittent Stream
  - Stormwater Erosions
  - PEM Wetland





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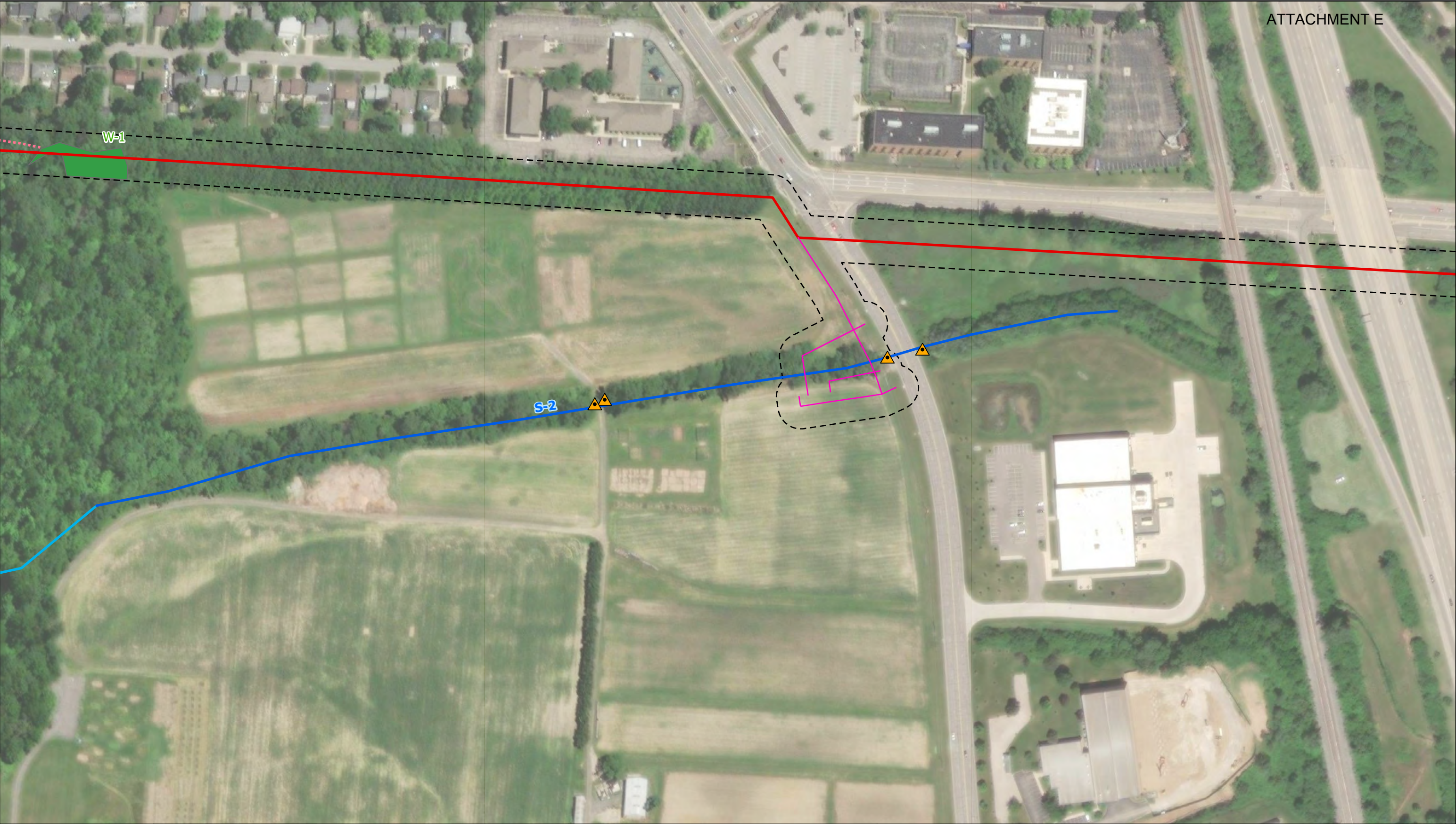


**Figure 5 - Delineation Results**  
**University**  
Franklin County, Ohio

Date:	MC Project #:	Drawn By:
5/25/2023	21004202A	KHY

- Lateral
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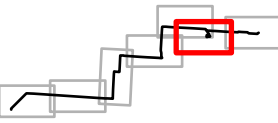
Source: Colliers Engineering & Design

**Figure 5 - Delineation Results**  
**University**  
Franklin County, Ohio

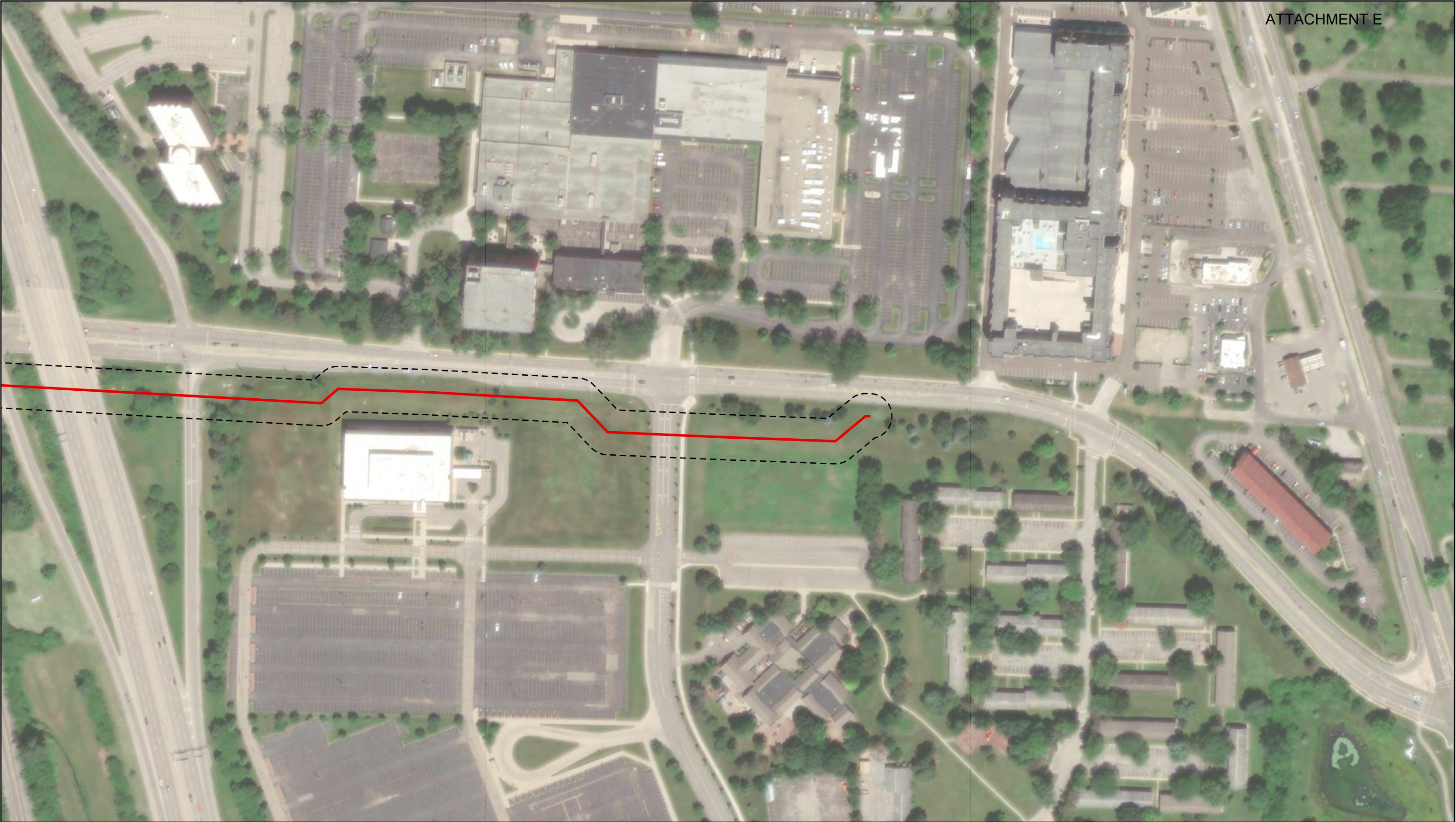
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5/25/2023	21004202A	KHY

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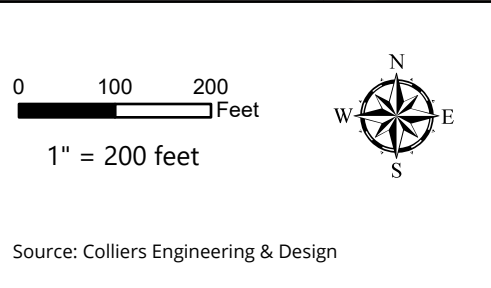






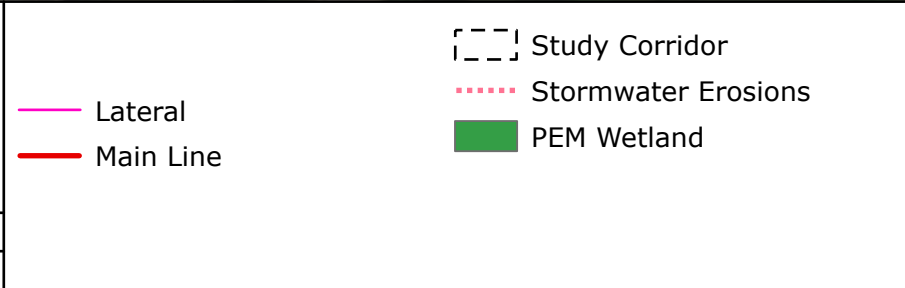
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**Figure 5 - Delineation Results**  
**University**  
Franklin County, Ohio

Date:	MC Project #:	Drawn By:
5/25/2023	21004202A	KHY





## United States Department of the Interior



### FISH AND WILDLIFE SERVICE

Ecological Services  
4625 Morse Road, Suite 104  
Columbus, Ohio 43230  
(614) 416-8993 / FAX (614) 416-8994



August 15, 2023

Project Code: 2023-0084418

Dear Tanner Dickson:

The U.S. Fish and Wildlife Service (Service) has received your recent correspondence requesting information about the subject proposal. We offer the following comments and recommendations to assist you in minimizing and avoiding adverse impacts to threatened and endangered species pursuant to the Endangered Species Act of 1973 (16 U.S.C. 1531 et seq), as amended (ESA).

Federally Threatened and Endangered Species: Due to the project type, size, location, and the proposed implementation of seasonal tree cutting (clearing of trees  $\geq 3$  inches diameter at breast height between October 1 and March 31) to avoid impacts to the endangered Indiana bat (*Myotis sodalis*) and northern long-eared bat (*Myotis septentrionalis*), and the proposed endangered tri-colored bat (*Perimyotis subflavus*) we do not anticipate adverse effects to any other federally endangered, threatened, or proposed species, or proposed or designated critical habitat. Should the project design change, or additional information on listed or proposed species or their critical habitat become available, or if new information reveals effects of the action that were not previously considered, coordination with the Service should be initiated to assess any potential impacts.

Section 7 Coordination: If there is a federal nexus for the project (e.g., federal funding provided, federal permits required to construct), then no tree clearing should occur on any portion of the project area until consultation under section 7 of the ESA, between the Service and the federal action agency, is completed. We recommend the federal action agency submit a determination of effects to this office, relative to the Indiana bat and northern long-eared bat, for our review and concurrence. This letter provides technical assistance only and does not serve as a completed section 7 consultation document.

Stream and Wetland Avoidance: Over 90% of the wetlands in Ohio have been drained, filled, or modified by human activities, thus is it important to conserve the functions and values of the remaining wetlands in Ohio ([https://epa.ohio.gov/portals/47/facts/ohio\\_wetlands.pdf](https://epa.ohio.gov/portals/47/facts/ohio_wetlands.pdf)). We recommend avoiding and minimizing project impacts to all wetland habitats (e.g., forests, streams, vernal pools) to the maximum extent possible in order to benefit water quality and fish and wildlife habitat. Additionally, natural buffers around streams and wetlands should be preserved to enhance beneficial functions. If streams or wetlands will be impacted, the U.S. Army Corps of Engineers should be contacted to determine whether a Clean Water Act section 404 permit is required. Best management practices should be used to minimize erosion, especially on slopes. Disturbed areas should be mulched and revegetated with native plant

species. In addition, prevention of non-native, invasive plant establishment is critical in maintaining high quality habitats.

Thank you for your efforts to conserve listed species and sensitive habitats in Ohio. We recommend coordinating with the Ohio Department of Natural Resources due to the potential for the proposed project to affect state listed species and/or state lands. Contact Mike Pettegrew, Environmental Services Administrator, at (614) 265-6387 or at [mike.pettegrew@dnr.ohio.gov](mailto:mike.pettegrew@dnr.ohio.gov).

If you have questions, or if we can be of further assistance in this matter, please contact our office at (614) 416-8993 or [ohio@fws.gov](mailto:ohio@fws.gov).

Sincerely,

A handwritten signature in blue ink, appearing to read "Keith Lott", with a long horizontal flourish extending to the right.

Keith Lott  
Acting Field Office Supervisor



## ATTACHMENT B



# Ohio Department of Natural Resources

ATTACHMENT E

MIKE DeWINE, GOVERNOR

MARY MERTZ, DIRECTOR

**Office of Real Estate**  
*Tara Paciorek, Chief*  
2045 Morse Road – Bldg. E-2  
Columbus, OH 43229  
Phone: (614) 265-6661  
Fax: (614) 267-4764

June 28, 2023

Jacqueline McCort  
Colliers Engineering & Design  
5275 Parkway Plaza Boulevard, Suite 100  
Charlotte, North Carolina 28217

**Re:** 23-0629; University Project

**Project:** The proposed project involves the installation of 20-inch-high pressure steel pipelines.

**Location:** The proposed project is located in Clinton Township, Franklin County, Ohio.

The Ohio Department of Natural Resources (ODNR) has completed a review of the above referenced project. These comments were generated by an inter-disciplinary review within the Department. 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 National Environmental Policy Act, the Coastal Zone Management Act, Ohio Revised Code and other applicable laws and regulations. These comments are also based on ODNR's experience as the state natural resource management agency and do not supersede or replace the regulatory authority of any local, state, or federal agency nor relieve the applicant of the obligation to comply with any local, state or federal laws or regulations.

**Natural Heritage Database:** The Natural Heritage Database has the following data within one mile of the project area:

Lark Sparrow (*Chondestes grammacus*), E  
Yellow-crowned Night-heron (*Nyctanassa violacea*), SI  
Elktoe (*Alasmidonta marginata*), SC  
Purple Wartyback (*Cyclonaias tuberculata*), SC  
Wavy-rayed Lampmussel (*Lampsilis fasciola*), SC  
Black Sandshell (*Ligumia recta*), SC  
Round Pigtoe (*Pleurobema sintoxia*), SC  
Kidneyshell (*Ptychobranhus fasciolaris*), SC  
Rayed Bean (*Villosa fabalis*), E, FE  
Waterfall

The review was performed on the specified project area as well as an additional one-mile radius. Records searched date from 1980. Conservation status abbreviations are as follows: E = state endangered; T = state threatened; P = state potentially threatened; SC = state species of concern; SI = state special interest; U = state status under review; X = presumed extirpated in Ohio; FE = federally endangered, and FT = federally threatened. The species and features listed above are not recorded within the specified project area boundaries.

Please note that Ohio has not been completely surveyed and we rely on receiving information from many sources. Therefore, a lack of records for an area is not a statement that rare species or unique features are absent from that area.

**Fish and Wildlife:** The Division of Wildlife (DOW) has the following comments.

The DOW recommends that impacts to streams, wetlands and other water resources be avoided and minimized to the fullest extent possible, and that Best Management Practices be utilized to minimize erosion and sedimentation.

The project is within the vicinity of records for the little brown bat (*Myotis lucifugus*), a state endangered species. Because presence of state endangered bat species has been established in the area, summer tree cutting is not recommended, and additional summer surveys would not constitute presence/absence in the area. However, limited summer tree cutting inside this buffer may be acceptable after further consultation with DOW (contact Eileen Wyza at [Eileen.Wyza@dnr.ohio.gov](mailto:Eileen.Wyza@dnr.ohio.gov)).

In addition, the entire state of Ohio is within the range of the Indiana bat (*Myotis sodalis*), a state endangered and federally endangered species, the northern long-eared bat (*Myotis septentrionalis*), a state endangered and federally endangered species, the little brown bat (*Myotis lucifugus*), a state endangered species, and the tricolored bat (*Perimyotis subflavus*), a state endangered species. During the spring and summer (April 1 through September 30), these bat species predominately roost in trees behind loose, exfoliating bark, in crevices and cavities, or in the leaves. However, these species are also dependent on the forest structure surrounding roost trees. The DOW recommends tree cutting only occur from October 1 through March 31, conserving trees with loose, shaggy bark and/or crevices, holes, or cavities, as well as trees with DBH  $\geq 20$  if possible.

The DOW also recommends that a desktop habitat assessment is conducted, followed by a field assessment if needed, to determine if a potential hibernaculum is present within the project area. Direction on how to conduct habitat assessments can be found in the current USFWS “[RANGE-WIDE INDIANA BAT & NORTHERN LONG-EARED BAT SURVEY GUIDELINES](#).” If a habitat assessment finds that a potential hibernaculum is present within 0.25 miles of the project area, please send this information to Eileen Wyza for project recommendations. If a potential or known hibernaculum is found, the DOW recommends a 0.25-mile tree cutting and subsurface disturbance buffer around the hibernaculum entrance, however, limited summer or winter tree cutting may be acceptable after consultation with the DOW. If no tree cutting or subsurface impacts to a hibernaculum are proposed, this project is not likely to impact these species.

The project is within the range of the following listed mussel species.

Federally Endangered

clubshell (*Pleurobema clava*)  
 rayed bean (*Villosa fabalis*)  
 northern riffleshell (*Epioblasma torulosa rangiana*)  
 snuffbox (*Epioblasma triquetra*)  
 purple cat's paw (*Epioblasma o. obliquata*)

Federally Threatened

rabbitsfoot (*Quadrula cylindrica cylindrica*)

State Endangered

elephant-ear (*Elliptio crassidens crassidens*)  
pocketbook (*Lampsilis ovata*)  
long solid (*Fusconaia maculata maculate*)  
washboard (*Megaloniaias nervosa*)  
Ohio pigtoe (*Pleurobema cordatum*)

State Threatened

pondhorn (*Unio merus tetralasmus*)  
Salamander Mussel (*Simpsonia ambigua*)

Due to the location, and that there is no in-water work proposed in a perennial stream of sufficient size, this project is not likely to impact these species.

The project is within the range of the following listed fish species.

State Endangered

goldeye (*Hiodon alosoides*)  
shortnose gar (*Lepisosteus platostomus*)  
Iowa darter (*Etheostoma exile*)  
spotted darter (*Etheostoma maculatum*)  
northern brook lamprey (*Ichthyomyzon fossor*)  
tonguetied minnow (*Exoglossum laurae*)  
popeye shiner (*Notropis ariommus*)

State Threatened

lake chubsucker (*Erimyzon sucetta*)  
paddlefish (*Polyodon spathula*)

The DOW recommends no in-water work in perennial streams from March 15 through June 30 to reduce impacts to indigenous aquatic species and their habitat. If no in-water work is proposed in a perennial stream, this project is not likely to impact these or other aquatic species.

Due to the potential of impacts to federally listed species, as well as to state listed species, we recommend that this project be coordinated with the US Fish & Wildlife Service.

**Water Resources:** The Division of Water Resources has the following comment.

The [local floodplain administrator](#) should be contacted concerning the possible need for any floodplain permits or approvals for this project.

ODNR appreciates the opportunity to provide these comments. Please contact Mike Pettegrew at [mike.pettegrew@dnr.ohio.gov](mailto:mike.pettegrew@dnr.ohio.gov) if you have questions about these comments or need additional information.

Mike Pettegrew  
Environmental Services Administrator



In replies, please use  
2024-FRA-61640

July 11, 2024

Jacob Spuck  
Principal Investigator  
Colliers Engineering and Design  
1501 Reedsdale Street Suite 302,  
Pittsburgh, PA 15233

**RE: Section 106—North Columbus High Pressure University Phase II Project, Columbus, Franklin County, Ohio**

Dear Mr. Spuck:

This is in response to the receipt, on June 18, 2024, of the submissions related to the **North Columbus High Pressure University Phase II Project**. We appreciate the opportunity to comment on this project. The comments of Ohio's State Historic Preservation Office (SHPO) are made pursuant to Section 106 of the National Historic Preservation Act of 1966, as amended, and the associated regulations at 36 CFR Part 800 and Ohio Revised Code 149.53.

The proposed undertaking is for the new construction of approximately 2.2 miles (3.5 kilometers [km]) of 20-inch below ground high pressure natural gas pipeline.

The report, North Columbus High Pressure University Phase II Project Columbus, Franklin County, Ohio (Intensive Phase I Cultural Resources Investigation Columbus, Franklin County, Ohio) [Colliers Engineering & Design.; Spuck and Thomas 2024] was submitted to the SHPO office for review. The APE for the undertaking includes approximately 15.2 acres (6.2 hectares).

The survey documented a heavily disturbed setting dominated by agricultural activity and urban construction fill. Based on the results of the survey and the extent of the proposed Project activities, no intact, significant cultural resources will be affected by construction within the Project APE. In accordance with Section 106 of the NHPA, and the guidelines set forth by OHC, CED recommends a finding of NO HISTORIC PROPERTIES AFFECTED within the Project APE.

Based on the information submitted, it is the opinion of SHPO that the proposed undertaking will have no effect on historic properties listed in or eligible for listing in the National Register of Historic Places. No further coordination is necessary unless the project changes or new or additional historic properties are discovered during the implementation of the project. In such a situation, the SHPO should be contacted as per 36 CFR 800.13. Please be advised that this is a Section 106 decision. This review decision may not extend to other SHPO programs.



If you have any questions, please contact me by email at [dgagliano@ohiohistory.org](mailto:dgagliano@ohiohistory.org). Thank you for your cooperation.

Sincerely,

A handwritten signature in black ink that reads "Dawn Walter Gagliano".

Dawn Walter Gagliano, Project Reviews Manager  
Resource Protection and Review  
State Historic Preservation Department

Ser. No. 1103679



Engineering  
& Design

## Cultural Resource Desktop Review

---

### University Project

Colliers Engineering & Design Project Number: 21004202A

May 31, 2023

Prepared for:

NiSource Inc.  
801 E. 86th Avenue  
Merrillville, IN 46410

Prepared by:

Colliers Engineering & Design, Inc. (DBA Maser Consulting)  
1501 Reedsdale St Suite 302, Pittsburgh, PA 15233  
Main: 281 674 7560  
[Colliersengineering.com](http://Colliersengineering.com)

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## 1.0 PURPOSE OF DOCUMENT

Colliers Engineering & Design (CED) was contracted by NiSource Inc. (NiSource) to perform a cultural resource background review for the University Project (Project) in Columbus, Franklin County, Ohio. This background review and desktop assessment has been prepared in accordance with Section 106 of the National Historic Preservation Act (NHPA) of 1966. This regulation requires project proponents to consider a project's effects on historic properties depending on potential permitting requirements and/or funding sources. The purpose of the document is to outline any previously recorded cultural resources that may be impacted by the proposed Project in support of NiSource's compliance with Section 106 of the NHPA. The goal is also to provide information for project planning and development, as well as estimates on possible future work that may be required for regulatory compliance. A cultural resources survey was not conducted as an element of this research.

## 2.0 INTRODUCTION

### 2.1 PROJECT DESCRIPTION

The University Project (Project) proposes to install a 3.7-mile (5.95-kilometer [km]) 20-inch high pressure steel main line pipeline.

### 2.2 PROJECT LOCATION

The Project area originates approximately 0.10 miles (0.16 km) west of the intersection of Ackerman Rd and Defiance Dr and terminates at the intersection of W Lane Ave and Leeds Rd in Columbus, Franklin County, Ohio. The Project is depicted on the *Northwest Columbus, Ohio* US Geological Survey (USGS) 7.5-minute topographic map quadrangle.

### 2.3 EXISTING CONDITIONS AND VICINITY CHARACTERISTICS

The Project area consists mostly of suburban neighborhoods with a few commercial buildings, a large golf course on the westernmost side, and open fields on the easternmost side. The Project area has been subjected to heavy disturbance from residential and commercial construction activities for many years. The Project area is bordered on all sides by further residential and commercial development.

## 3.0 ENVIRONMENTAL BACKGROUND

### 3.1 PHYSIOGRAPHY AND GEOLOGY

The Project area is in the Loamy, High Lime Till Plains ecoregion of the Eastern Corn Belt Plains physiographic province of Ohio. The Loamy, High Lime Till Plains ecoregion covers most of southwestern Ohio all the way through central Indiana. This ecoregion is flat to rolling and has outwash plains and terminal moraines glacial features. Soils are loamy on lime-rich glacial till. The Project area is underlain by Wisconsin glacial deposits consisting of mostly loam. Most of the forests have been cleared for agriculture and now the area is utilized mostly for soybean, corn, and livestock production (Woods, et al. 1998).

The Project is underlain by the Columbus limestone geological formation. The Columbus limestone geological formation consists of limestone and dolomite that ranges from dark grey to brown. The far eastern portion of the project area is bordered by the Ohio Shale geological formation. There are also sand filled burrows two to five meters thick bordering the formation. Shale and sandstone also make up a majority of the valley's lowlands and ridges. Dolostone layers underline the main formation of the region (Slucher et. al 2006).

### 3.2 TOPOGRAPHY AND SOILS

The Natural Resources Conservation Service (NRCS) Soil Survey for Franklin County, Ohio available on the Web Soil Survey, identifies six (6) soil types underlying the Project area (**Table 1**). Soils range from very poorly drained to moderately well drained (NRCS 2022).

**Table 1. Soil Types in the Project Area**

Soil Symbol	Soil Name	Slope %	Drainage	Landform
CfB	Cardington-Urban land complex	6-12	Moderately well drained	Ground moraines, end moraines
CrB	Crosby silt loam	2-6	Somewhat poorly drained	Recessionial moraines, ground moraines, water-lain moraines
CsA	Crosby-Urban land complex	0-2	Somewhat Poorly Drained	Recessionial moraines, ground moraines, water-lain moraines
CsB	Crosby-Urban land complex	2-6	Somewhat Poorly Drained	Till plains
Ko	Kokomo silty clay loam	0-2	Very Poorly Drained	Depressions on till plains
Ut	Udorthents-Urban land complex	2-12	--	--

## 4.0 CULTURAL RESOURCE DESKTOP REVIEW

The following information was gathered as part of the desktop review to identify previously recorded cultural resources within a 0.5-mile (0.80-km) radius of the Project area. The background review consisted of a cultural resources and literature review of the Project area. A CED archaeologist reviewed the online database hosted by the Ohio History Connection (OHC), the State Historic Preservation Office (SHPO) of Ohio, for any previously recorded surveys, historic or prehistoric sites, and cemeteries located in or near the Project. Site files, relevant maps, and National Register of Historic Places (NRHP) locations were also examined. Aerial photographs, topographic maps, and the NRCS Web Soil Survey were also examined for historical and environmental information related to the Project area.

### 4.1 PREVIOUSLY CONDUCTED CULTURAL RESOURCE SURVEYS

The background review revealed that two (2) previous archaeological surveys have been conducted along portions of the Project area. One was a "Phase I Cultural Resources Survey of the American Electric Power's Roberts-OSU Transmission Line Project in Columbus Township, Franklin County, Ohio" conducted in 2010, and the second one was a "Phase I Cultural Resources Survey of NiSource's Proposed Ackerman Road 20-inch Natural Gas Pipeline Project in the City of Columbus, Franklin County, Ohio" conducted in 2012. One additional survey has been conducted within a 0.5-mile (0.80-km) radius of the Project area which was an "Archaeological Survey of Proposed Interstate 315 - (Columbus & Worthington) Franklin County, Ohio" conducted in 1976 (OHC 2023).

### 4.2 PREVIOUSLY RECORDED CULTURAL RESOURCES

Based on the review, there are no archaeological sites documented within the Project area; however, there is one historic district that intersects the Project area, which is the Upper Arlington Historic District. There are also multiple cultural resources documented within a 0.5-mile (0.8-km) radius of the Project area (OHC 2023) (**Table 2**).

**Table 2. Previously Recorded Cultural Resources Within 0.5 mile (0.8 km) of the Project Area**

OHI/OAI Number	Name of Resource	Date of Significance/ Temporal	Address
FR0408	Archaeological Site	Prehistoric	N/A
FR0409	Archaeological Site	Prehistoric	N/A
FR0410	Archaeological Site	Prehistoric	N/A
FR2892	Archaeological Site	Prehistoric	N/A
FR2891	Archaeological Site	Prehistoric	N/A
FR0407	Archaeological Site	Prehistoric	N/A
FR0406	Archaeological Site	Prehistoric	N/A
FR0094	Archaeological Site	Prehistoric	N/A
FR0404	Archaeological Site	Prehistoric	N/A
FR0403	Archaeological Site	Prehistoric	N/A
FR0405	Archaeological Site	Prehistoric	N/A
FR0205	Archaeological Site	Prehistoric	N/A
FR0204	Archaeological Site	Prehistoric	N/A

OHI/OAI Number	Name of Resource	Date of Significance/ Temporal	Address
FRA0168109	William Greives House	1925	2489 Tremont Rd Upper Arlington, OH
FRA0161709	Scioto Country Club	1916	2196 Riverside Dr Upper Arlington, OH
FRA0162609	Charles Harrop House	1928	2459 Tremont Rd Upper Arlington, OH
FRA0161809	Chennell House	1931	2427 Tremont Rd Columbus, OH
FRA0409009	Bricker House	1930	2407 Tremont Rd Upper Arlington, OH
FRA0162509	Hugh Newbitt House	1928	2321 Yorkshire Rd Upper Arlington, OH
FRA0346309	Marion Devos House	1928	2270 Arlington Ave Upper Arlington, OH
FRA0347509	Historic Structure	1928	1928 Beverly Rd Upper Arlington, OH
FRA0711509	Jones House	1927	1942-1948 Guilford Rd Upper Arlington, OH
FRA0346409	Maidens House	1925	2194 Coventry Rd Upper Arlington, OH
FRA0162309	Barrington Road School	1939	1780 Barrington Rd Upper Arlington, OH
FRA0348709	Historic Structure	1950	1923 Tewksbury Rd Upper Arlington, OH
FRA0347209	De Margan House	1935	1963 Wickford Rd Upper Arlington, OH
FRA0346609	Daly House	1930	1987 Chatfield Rd Columbus, OH
FRA0347309	Historic Structure	1935	2376 Andover Rd Upper Arlington, OH
FRA0346509	Fullen House	1931	1991 Berkshire Rd Upper Arlington, OH
FRA0347409	Historic Structure	1936	1904 Berkshire Rd Upper Arlington, OH
FRA0346909	De Long House	1931	1967 Collingswood Rd Upper Arlington, OH
FRA0346809	Hansel House	1929	1964 Collingswood Rd Upper Arlington, OH

OHI/OAI Number	Name of Resource	Date of Significance/ Temporal	Address
FRA0347109	Helen Huntington House	1920	2500 Henthorn Rd Upper Arlington, OH
FRA0346709	Baird House	1936	1874 Collingswood Rd Upper Arlington, OH
FRA0982809	St Mark's Episcopal Church	1958	2151 Dorset Rd Upper Arlington, OH
NR - 12000392	Kilgour, Frederick G, House	1967-1980	1415 Kirkley Rd Upper Arlington, OH 43221
FRA0209109	Industrial Nucleonics Corp.	N/A	650 Ackerman Rd Columbus, OH
FRA0209609	Clinton Predestinarian Baptist	1870	2781 Olentangy River Rd Columbus, OH
FRA0208409	Amaranth Abbey	1925	316 W Dodridge Ave Columbus, OH
FRA1010609	Union Cemetery Dam	1971-1972	Olentangy River Clinton (Township of), OH
FRA0167110	Nogle Prop	1939	129-131 W Weber Rd Columbus, OH
FRA0167210	Historic Structure	1910	91 W Longview Ave Columbus, OH
N/A	Litchford Cemetery	1835	0.3 mile east of Tremont. 595 feet north of Ridgeview
N/A	Amrath/Amrath Abby Cemetery	1925	In UNION. Northeast of Ackerman and Olentangy. Building erected (1827)
N/A	White-Britton Cemetery	1811	0.9 mile North Trabue Road and west Scioto River. On quarry site
N/A	Old Union-Union Cemetery	1806	East of Ackerman and Olentangy River Road

#### 4.3 HISTORIC TOPOGRAPHIC MAPS AND AERIAL IMAGERY

Historical topographic maps and aerial photography revealed existing suburban housing near the Project area since approximately the mid-twentieth century (USGS 1954, 1955, 1964, 1965a, 1965b, 1995a, 1995b, 2010a, 2010b; Nationwide Environmental Title Research [NETR] 2022a, b, c, and d). The vicinity has remained mainly developed land with large areas of gridded residential structures that gradually increased over time from the 1960s to the present (NETR 2022a-d).

## 5.0 SUMMARY AND RECOMMENDATIONS

The Project proposes to install a 3.7-mile (5.95-km) 20-inch high pressure steel main line pipeline. The Project area originates approximately 0.10 mile (0.16 km) west of the intersection of Ackerman Rd and Defiance Dr and terminates at the intersection of W Lane Ave and Leeds Rd in Columbus, Franklin County, Ohio. The Project is depicted on the Northwest Columbus, Ohio US Geological Survey (USGS) 7.5-minute topographic map quadrangle.

A Cultural Resource desktop review was conducted for the Project, consisting of a compilation of known above-ground historic resources, archaeological sites, and previously conducted cultural resources surveys. There are no above-ground historic resources or subsurface archaeological sites within the Project area; however, there are numerous recorded cultural resources within a 0.5-mile (0.8-km) radius. These results are depicted in **Appendix B**.

Based on the information provided and the results of this desktop assessment, CED would recommend a cultural resources survey should the Project proceed. Previously documented resources in the immediate vicinity indicate a moderate to high probability for encountering archaeological sites within or adjacent to the Project area. This background review and assessment was conducted in support of NiSource's compliance with Section 106 of the NHPA.

## 6.0 REFERENCES

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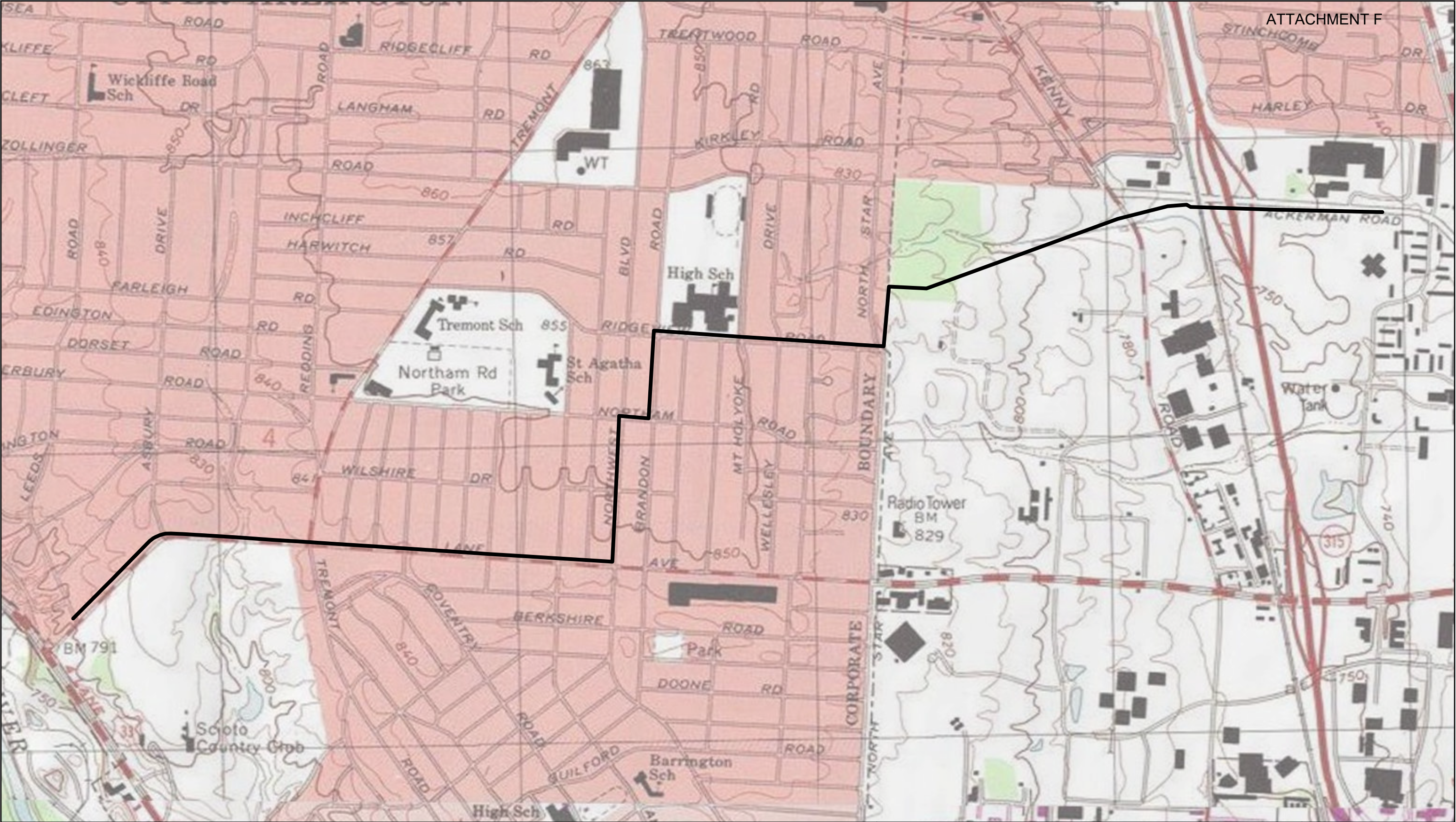
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# Appendix

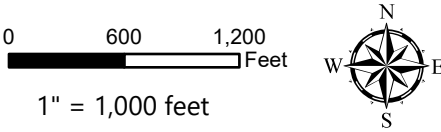
## Appendix A | Project Location Map





Prepared For:  
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Source: USGS 24k Quadrangle: Northwest Columbus, OH

**Figure 1 - Project Location Map**  
**University**  
Franklin County, Ohio

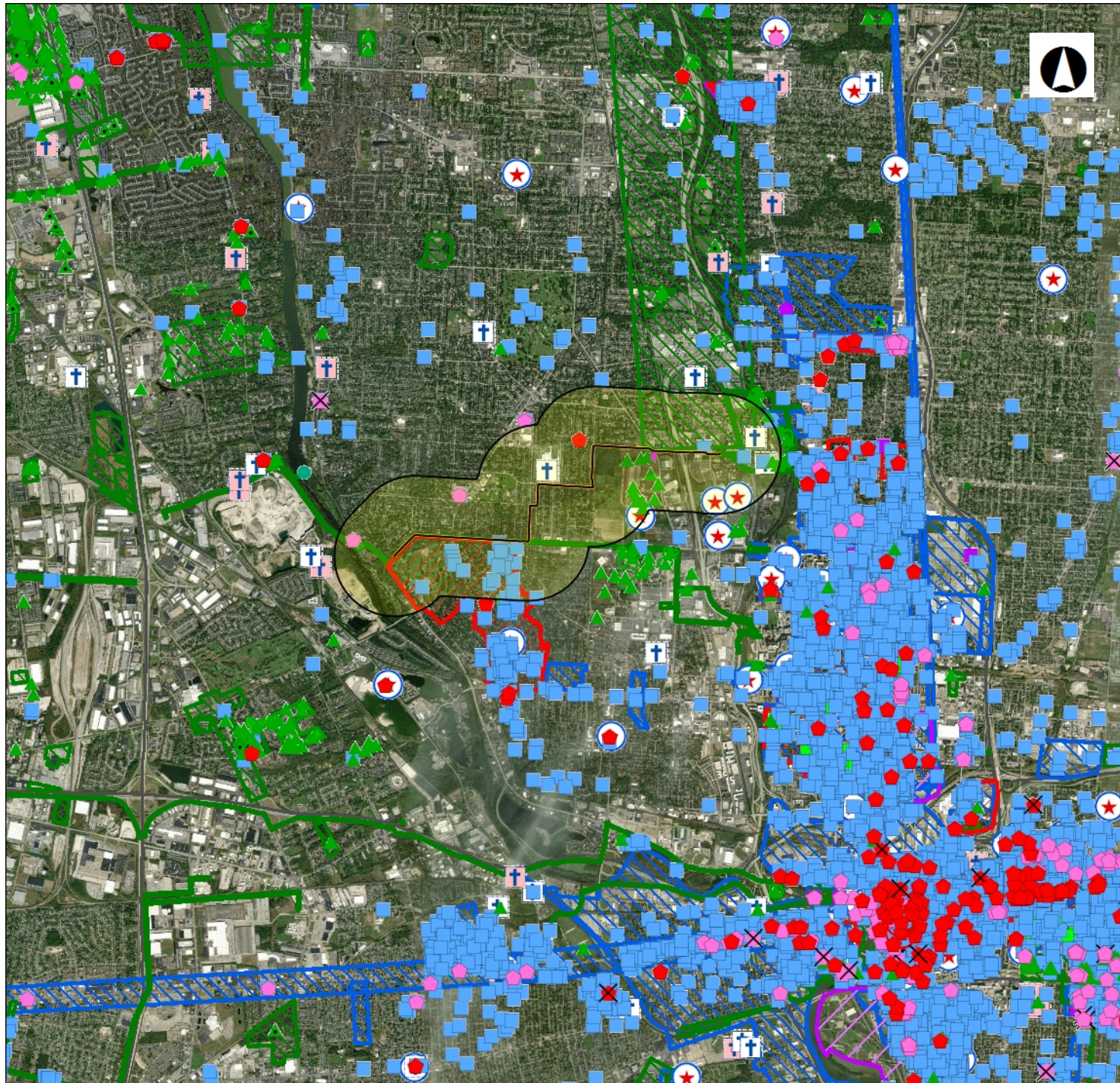
Date:	MC Project #:	Drawn By:
9/7/2022	21004202A	KHY

 Phase 2 Main Line



## Appendix B | Cultural Resources Background Map





## ATTACHMENT F



State Historic  
Preservation Office

### Legend

#### NR Listings

- Listed
- ⊙ National Historic Landmark
- ✕ Delisted

#### Determinations of Eligibility

- ◆ DOE
- ✕ Demolished

#### Archaeological Sites

- ▲ Site
- ▲ Isolated Find

#### Historic Structures

- Historic Structures
- Historic Bridges
- Historic Tax Credit Projects
- ◆ Local Designations

#### OGS Cemeteries

- ⊕ Confident
- ⊕ Not Confident

#### Historic Markers

0 1.28 2.56 Miles

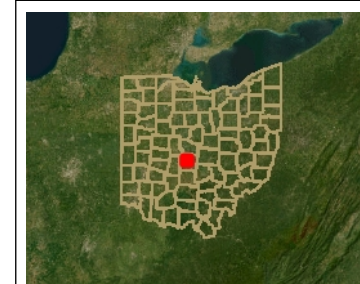
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Datum: [Datum]

Projection: WGS\_1984\_Web\_Mercator\_Auxiliary\_Sphere







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