

April 24, 2024

Project # RAM-2201

## ENVIRONMENTAL IMPACT STATEMENT

### CANVAS MIXED USE DEVELOPMENT

BLOCK 3801, LOTS 2 & 3  
TOWNSHIP OF LAWRENCE, MERCER COUNTY, NEW JERSEY

PREPARED FOR:  
LAWRENCEVILLE DEVELOPMENT GROUP, LLC.

PREPARED BY:  
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## **I. INTRODUCTION & PROJECT DESCRIPTION**

This Environmental Impact Statement has been prepared in accordance with the requirements of the Lawrence Township Land Development Ordinance Section 812. The purpose of this report is to evaluate the impacts of the proposed Multi-Use Development on the existing lands. This report refers to other specific reports addressing development, hydrology, soil, traffic, etc., which have been prepared and submitted in support of the proposed development.

The proposed development consists of the consolidation of Block 3801, Lots 2 & 32 and the construction of a 204-unit Multi-Family Residential and 17,000 SF retail development with associated parking lighting, landscaping, open space, and stormwater infrastructure.

The site is located on Princeton Pike in Lawrence Township, Mercer County and is known as Block 3801, Lots 2 & 3 as shown. The property has frontages along Executive Park Plaza Road to the south and Princeton Pike to the east. Lawrence Township's Zoning map (2021) depicts the property in an office zoned area where it is bordered on the north and south by office buildings.

The site contains a total of 8.57 acres of existing office buildings and parking. The proposed redevelopment will include 204 residential apartment units and 17,000 square feet of retail space. The proposed redevelopment will include off-street parking, proposed grading, and associated stormwater management. Water service for both buildings will connect to an existing water main that runs along Executive Park Plaza Road.

## **II. DEMOGRAPHICS**

According to the US Census Bureau, the estimated population of Lawrence Township in 2022 was 31,808. The labor force is estimated at approximately 66% of the population. Visitors to the Township yearly are composed of those whose destination are a combination of The Lawrenceville School, Rider University, Lawrenceville Main Street Historic District, the Quakerbridge Mall, or those generally travelling through from New Brunswick to Trenton, or from Philadelphia to New York.

## **III. MASTER PLAN COMPATIBILITY**

Municipal Master Plan Compatibility- The proposed plan is consistent with the land use elements in that it combines a mix of residential housing types and commercial development which is a stated goal. Lawrence Township has created a redevelopment plan for this project and the proposed development is designed to conform to all elements within the plan. Open space is provided via outdoor gathering spaces, dog park areas wide paver sidewalks providing linkage to all site elements and to public streets.

County Master Plan Compatibility- The proposed plan is consistent with the State and County Master Plans in addressing the following goals:

#1 Revitalizing State Cities and Towns.

#3 Promoting Economic Growth and Development.

#4 Protecting the Environment

#6 Providing Housing at Reasonable Cost.

The County Master Plan addresses open space preservation with respect to active recreation (County Parks) and County Open Space that is presently unimproved. The proposed plan is consistent with the Urban Open Space goals that the County has outlined for Municipalities.

#### **IV. SITE DESCRIPTION AND INVENTORY**

The purpose of the proposed project is to construct multi-family residential dwellings and retail space. The development will contribute to the development goals of the Township. Among the benefits are increased quality housing products with goods and services nearby.

The property is deemed suitable for the proposed development. The following elements were considered from a site suitability perspective:

a. Types of Soils

Soils onsite consist of Hydrologic Soil Group (HSG) C/D soils which may exhibit low permeability rates. Soils onsite are mapped as OthA or Othello silt loams, 1-2 percent slopes, northern coastal plain. Soil testing performed onsite for purposes of infiltration testing by ECS in April of 2022 revealed sandy loam soils onsite with low permeability rates ranging from <.3 inches per hour to 2.46 inches per hour.

b. Topography

The existing site is developed with 3 buildings, vehicle parking, access drives, and a stormwater basin along Princeton Turnpike. Higher elevations are on the north and west sides of the property at elevation of 76+/- and lower elevations are to the east at elevation 66+/-.

c. Geology

Surface geology onsite is that of weathered shale, mudstone, and sandstone (Qws). These lands can be characterized as typical of central New Jersey with very gentle slopes. The Piedmont Province is a productive aquifer and contains groundwater reservoirs.

d. Vegetation

The existing site is developed with office buildings and surface parking. There are some mature oak trees located throughout the site and along Princeton Pike. The surface of the existing stormwater is grassed as well as the surface areas of the existing islands within the development. No other significant vegetation is noted onsite.

e. Wildlife

The proposed project site contains various wildlife species common to New Jersey. The figure below presents a list of species that are typical (but not necessarily observed) for the vicinity:

<b>Birds</b>		<b>Mammals</b>	
<u>Scientific Name</u>	<u>Common Name</u>	<u>Scientific Name</u>	<u>Common Name</u>
<i>Cathartes aura</i>	Turkey Vulture	<i>Odocoileus virginiana</i>	White-tailed Deer
<i>Catharus fuscescens</i>	Veery	<i>Sciurus carolinensis</i>	Grey Squirrel
<i>Catharus guttatus</i>	Hermit Thrush	<i>Tamiasciurus striatus</i>	Chipmunk
<i>Centrurus carolinus</i>	Red-bellied Woodpecker	<i>Procyon lotor</i>	Raccoon
<i>Colaptes auratus</i>	Common Flicker	<i>Mephitis mephitis</i>	Striped Skunk
<i>Contopus virens</i>	Eastern Wood Peewee	<i>Didelphis virginiana</i>	Opossum
<i>Corvus brachyrhynchos</i>	American Crow	<i>Sylvilagus kloridans</i>	Common Cottontail
<i>Cyanocitta cristata</i>	Blue Jay	<i>Marmota monax</i>	Woodchuck
<i>Dendroica pinus</i>	Pine Warbler		
<i>Dendroica virens</i>	Black-throated Green Warbler		
<i>Dumetella carolinensis</i>	Catbird		
<i>Hylocichla mustelina</i>	Wood Thrush		
<i>Icteria virens</i>	Yellow-breasted Chat		
<i>Melospiza Georgiana</i>	Swamp Sparrow		
<i>Parus atricapillus</i>	Carolina Chickadee		
<i>Parus bicolor</i>	Tufted Titmouse		
<i>Pipilo erythrophthalmus</i>	Rufous Sided Towhee		
<i>Seiurus aurocapillus</i>	Ovenbird		
<i>Sitta carolinensis</i>	White-breasted Nuthatch		
<i>Thryothorus ludovicianus</i>	Carolina Wren		
<i>Toxostoma rufum</i>	Brown Thrasher		
<i>Turdus migratorius</i>	American Robin		
<i>Vireo olivaceus</i>	Red-eyed Vireo		
<i>Zenaida macroura</i>	Mourning Dove		
<i>Larus delawarensis</i>	Ring-gilled Gull		
<i>Larus argentatus</i>	Herring Gull		
<i>Buteo borealis</i>	Red-tailed Hawk		

In February (winter months), this office performed an in-field inventory log of the site, cataloging observed wildlife in and around the property, as well as evidence of wildlife. The summary findings are below:

In general, there were few individual birds and animals. Birds were observed both through visual sighting and use of listening for common bird songs. Birds observed included the Wood Thrush and Tufted Titmouse, both common to the pine forest.

There were no small mammals such as squirrels or chipmunks observed. There were no signs of deer tracks.

Development of the proposed residential and retail facility will result in the loss of some vegetation which could be considered habitat. Development of these lands should not have a dramatic impact on overall populations of endemic (common) wildlife; however, it is reasonable to assume that there will be some loss in breeding habitat for these common species.

Population and species diversity may be reduced because of this development; however, a new base of species would be present once the project is completed. In addition, it is not unusual for many of the identified species and the species typical of this region to cohabitate in developed suburban lands with humans.

This office has received a letter from the Office of Natural Lands Management dated January 8, 2024, stating that the searches have not encountered any rare wildlife species, habitat, rare plant species or ecological communities on the site.

f. Surface Water

Existing surface water is generally sheet flow across existing paved and unpaved surfaces in a southeasterly direction toward existing low points onsite. Some evidence of shallow concentrated flow is present. Sheet flow is directed to a series of stormwater inlets and pipes which represent the collection system onsite.

g. Subsurface Water

There are no private or community wells proposed onsite. There are no well head protection areas located within 500 feet of the site. Groundwater was observed at depths ranging from 5-8 feet. Perched water was also observed in one test pit (TP-5) at a dept of 1.5 feet.

h. Cultural Resources

According to NJDEP GeoWeb Mapping, there are no cultural properties located within the immediate vicinity of the site, therefore a cultural resources survey was not deemed necessary.

i. Historic Resources

According to NJDEP GeoWeb Mapping, there are no historic properties located within the immediate vicinity of the site, therefore a cultural resources survey was not deemed necessary.

j. Existing Development Features

The site is currently developed as Princeton Pike Office Park with 3 existing buildings and associated parking and landscaped areas. It is proposed to redevelop the property with residential and retail uses which are uses that are currently in greater demand than office buildings.

k. Miscellaneous

Air and noise quality existing at the property are typical of a commercial development visited by employees, customers, delivery vehicles and occasional bus traffic. Most noise emanates from passenger vehicles along adjacent Princeton Turnpike at peak times of travel.

**V. AREA AND REGIONAL DESCRIPTION**

The site is located within the Office District of the Township of Lawrence. The uses surrounding the property in question are largely office buildings or complexes. The property is just south of Rt. 295 along Princeton Pike before reaching Franklin Corner Road. The surrounding region is comprised of Corporate headquarters and commercial to the north, residential and golf course to the west and more office to the east.

**VI. ENVIRONMENTAL PERFORMANCE CONTROLS**

The proposed development will utilize proper measures to ensure public sewer disposal, water supply measures, energy conservation measures and noise and pollution reduction. During construction the air quality will be maintained by implementing dust control and soil erosion and sediment control measures.

**a. Sewage Disposal Techniques.**

Sanitary sewer will be collected via PVC lateral connections from each of the proposed 2 buildings and connected to a public sewer line owned and maintained by Lawrence Township. Sewers are directed to Ewing-Lawrence Sewerage Authority where treatment will take place. The Sewerage Authority has adequate capacity to treat the flows generated by the proposed project.

**b. Water Supply and Water Conservation Proposals.**

Each building will have their own domestic water service and fire service.

**c. Energy conservation measures.**

There will be parking lot and building mounted lights that will utilize energy efficient (LED) light fixtures. There will be EV-ready parking spaces made available to residents.

**d. Noise Reduction techniques.**

Existing noise levels on-site can be characterized as typical of a central New Jersey commercial/office zone. Most noise emanates from passenger vehicles along adjacent roadways at peak times. This should be considered normal for use and temporary in nature. Sound levels are subject to daytime and nighttime limits. Governmental regulations limit the A-weighted sound levels produced when measured at a residential property line to the following levels. Daytime (7:00 AM – 10:00 PM) – 65DB (A) Nighttime (10:00 PM – 7:00 AM) – 50DB (A) The term A-weighted is a standardized frequency weighting which attempts to duplicate the human ear frequency and sensitivity; and, therefore, provides an overall sound level measurement with how people perceive noise. The regulations also provide limits for sound pressures in the preferred octave bands with center frequencies between 31.5 and 8,000 Hz.

**VII. IMPACTS****a. Flooding and Flood Plain Impact.**

The property in question lies outside of any Flood Hazard Area or Flood Plain. As such the development will have no negative impact on flooding or flood plains.

b. Impact on surface water and groundwater quality.

Impacts to surface water quality have been mitigated by providing water quality measures as described in the Stormwater Management Report submitted with this application.

c. Impact on the capacity to supply groundwater.

The proposed development is located within the Metropolitan State Planning Area and was previously developed, therefore does not have to meet the groundwater recharge requirements set forth in NJAC 7.8.

d. Sewage Disposal Impacts.

Proposed public sanitary sewer design and connections meet the municipal and state standards for sanitary sewer design. The plans will be submitted and reviewed by all applicable agencies prior to final approval and issuance of Building Permits.

e. Alteration to Existing Vegetation and its Impact on Wildlife and Wildlife Habitats.

The existing vegetation onsite is a combination of trees planted for the previous development and greased areas in-between. There is very little 'native vegetation' onsite. As such, the removal and replacement of landscaping will result in a greater amount of landscaping in that native species will be planted in addition to ornamental varieties. Impact to wildlife and wildlife habitats will be positive once plants are established.

f. Destruction or Disturbance of Cultural Resources.

No disturbance of cultural resources are anticipated due to the non-presence of any documented cultural resources.

g. Noise Level Impacts.

Construction of the proposed development will occur over an approximate 2-3-year timeframe, including the site improvements and infrastructure, as well as the building construction. While site work and building construction activities will be in keeping with typical industry standards, construction activity in general has several environmental impacts outside of those other long-term impacts reviewed within this document.

Construction activities can create dust and noise through the operation of equipment and the moving of materials. Procedures will be followed in accordance with a permit from Freehold Soil Conservation district that will limit dust and soil erosion. Dust control measures include watering of exposed, dry soils, seeding or stabilizing open lawn areas as quickly as possible and completing site work in a timely fashion. Noise control measures are also followed in accordance with Township limitations on allowable work hours.

h. Energy Utilization.

Energy utilization by the proposed development will be comparable or less than the existing due to the implementation of energy saving devices such as lights and EV parking onsite.



i. Blighting or improving effects on neighborhoods.

There are no existing residential neighborhoods. The proposed development has planned amenity areas, public gathering spaces, pet friendly areas and all coordinated with lighting, landscaping, and wayfinding to increase public gathering and safety.

Parameter	Potential Impact	Proposed Mitigation Measure
Geology	No impacts anticipated.	No mitigation required.
Topography	Excavation and alteration of the ground surface.	Minimize the need to import or export soils. Plan the development grading to closely simulate existing conditions.
Soils	Capacity to accept recharge or stormwater for water quality.	Design infiltration areas to match (location and soil horizon) with the most permeable soil strata.
	Soil erosion from construction activity.	Implement and follow an approved Soil Erosion Control Plan.
Wetlands & State Open Waters	No impacts are anticipated.	No mitigation is required.
Surface Water & Hydrology	Existing runoff is primarily recharged into the soils onsite.	Design of proposed stormwater system to continue pattern of ground water recharge.
Groundwater	Impacts to shallow groundwater regions.	The site has no areas with shallower groundwater elevations.
Water Quality	Point source and non-point source pollution.	No point sources of pollution are proposed. Non-point source pollution addressed through site management, removal of solid wastes, and stormwater system water quality initiatives.
Floodplains	No impacts anticipated.	No mitigation required.
Vegetation	Clearing of forested areas.	Maximize areas of preserved trees. Landscape developed areas with native plantings.
Wildlife Habitat	Clearing of forested areas.	Maximize areas of preserved woodlands. Landscape the community with native plantings that promote wildlife foraging and habitat.
Threatened & Endangered Species	No Threatened or Endangered Species	None Required
Air Quality	Fugitive dust from construction activities may temporarily increase levels of total suspended particulates in the short term. Production of carbon monoxide as the cars idle.	Dust control in accordance with Freehold Soil Conservation District standards, including: the use of properly maintained construction equipment; the use of trap covers on trucks transporting materials to and from the site; the dampening and weekly cleaning of all onsite roadway surfaces and excavated areas; and the maintenance of all construction entrances to the site. Therefore, no qualitative carbon monoxide mitigation measures are necessary for motor vehicles.
Noise and Light Pollution	Construction activities are expected to cause temporary impacts to noise levels.	Limit construction activities to daytime hours. Design site layout to form perimeter of preserved trees and then buildings as an effort at noise abatement.
Cultural, Historic, and Archaeological Resources	No impacts anticipated.	No mitigation required.
Solid Waste	Creation of solid waste stream.	Manage site to control means and location of storage and disposal. Utilize compactors and automated system of pickup.
Natural & Depletable Resources	No impacts anticipated.	No mitigation required.
Energy Consumption	No impacts anticipated.	No mitigation required.

Parameter	Potential Impact	Proposed Mitigation Measure
The Built Environment	Changes to architectural or aesthetic value of the area.	Construct aesthetically pleasing building. Install and maintain property landscaping. Maintain ordinance required setbacks and forested perimeter of site.

## VII. ALTERNATIVES

The “No Project” or no-action alternative would result in leaving the existing property as is. No long-term economic or environmental benefit would result in leaving the property for its current use.

*Alternatives are a no-build condition which negates any positive improvements to the property.*

## VIII. LIST OF AGENCIES & REQUIRED APPROVALS

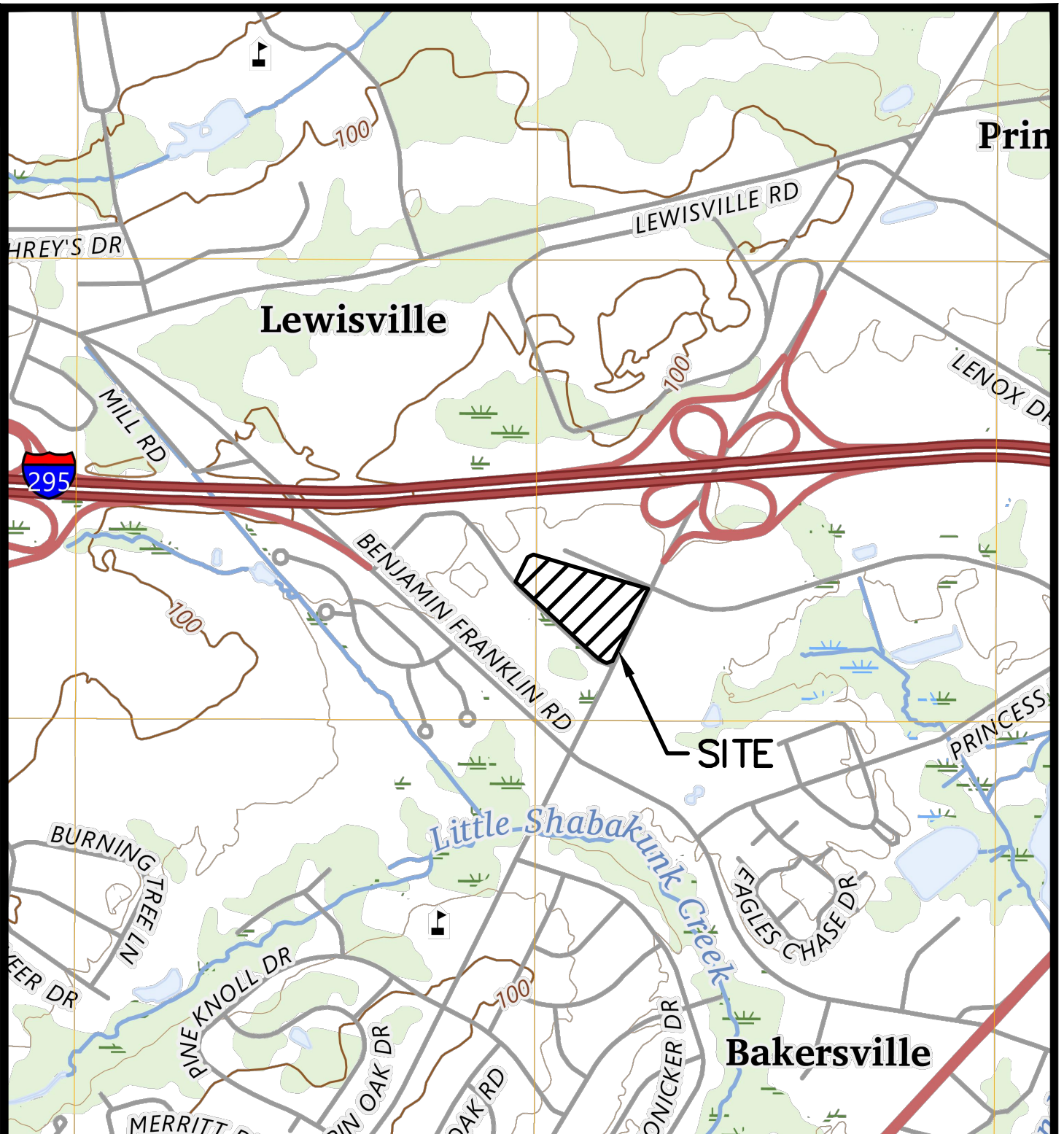
- Lawrence Township Planning Board
- Mercer County Planning Board
- Lawrence Township Soil Conservation Approval

## IX. REFERENCES

- ❖ Township of Lawrence Land Use Ordinance,
- ❖ Council on Environmental Quality (CEQ) Regulations, PART 1502 – Environmental Impact Statement[s].
- ❖ Nation Heritage Data Base Correspondence- New Jersey Department of Environmental Protection, Division of Parks and Forestry, Natural Heritage Program.
- ❖ New Jersey and National Registers of Historic Places website,
- ❖ <http://www.state.nj.us/dep/hpo/1identify/lists/ocean.pdf>
- ❖ United States Department of Agriculture, Soil Conservation Service.
- ❖ Soil Survey of Monmouth County.
- ❖ Beans, B. E and Larry Niles, *Endangered and Threatened Wildlife of New Jersey*. Rutgers University Press. New Brunswick, NJ, 2003
- ❖ Bent, A.C. *Life Histories of North American Birds*, 1939; and [www.birdsbybent.com](http://www.birdsbybent.com)
- ❖ U.S. Forest Service, *Wildlife Habitat Management Handbook*, U.S.D.A. FSH 2609.23R. 1971.
- ❖ U.S. Fish and Wildlife Service, *Estimating Wildlife Habitat*, variables FWS/OBS – 81/47. 1971.
- ❖ New Jersey Department of Environmental Protection, Division of Parks and Forestry, *Geological Map of New Jersey*.
- ❖ *Petersons Birds of North America*, iPhone application

# APPENDIX A

## USGS QUAD MAP



**MidAtlantic**  
Engineering Partners, LLC

3131 PRINCETON PIKE  
BLOCK 3801, LOTS 2 & 3  
LAWRENCE REDEVELOPMENT  
PRINCETON, NJ QUADRANGLE

SITUATED IN

TOWNSHIP OF LAWRENCE, MERCER COUNTY, NEW JERSEY

DRAWN BY: SMG	CHECKED BY:	RELEASED BY:	PROJECT No.: RAM-2201
DATE: 12/11/23	HORIZONTAL SCALE: 1"=1000'	VERTICAL SCALE: N/A	DRAWING NAME: 99-Quad Map Exhibit.dwg

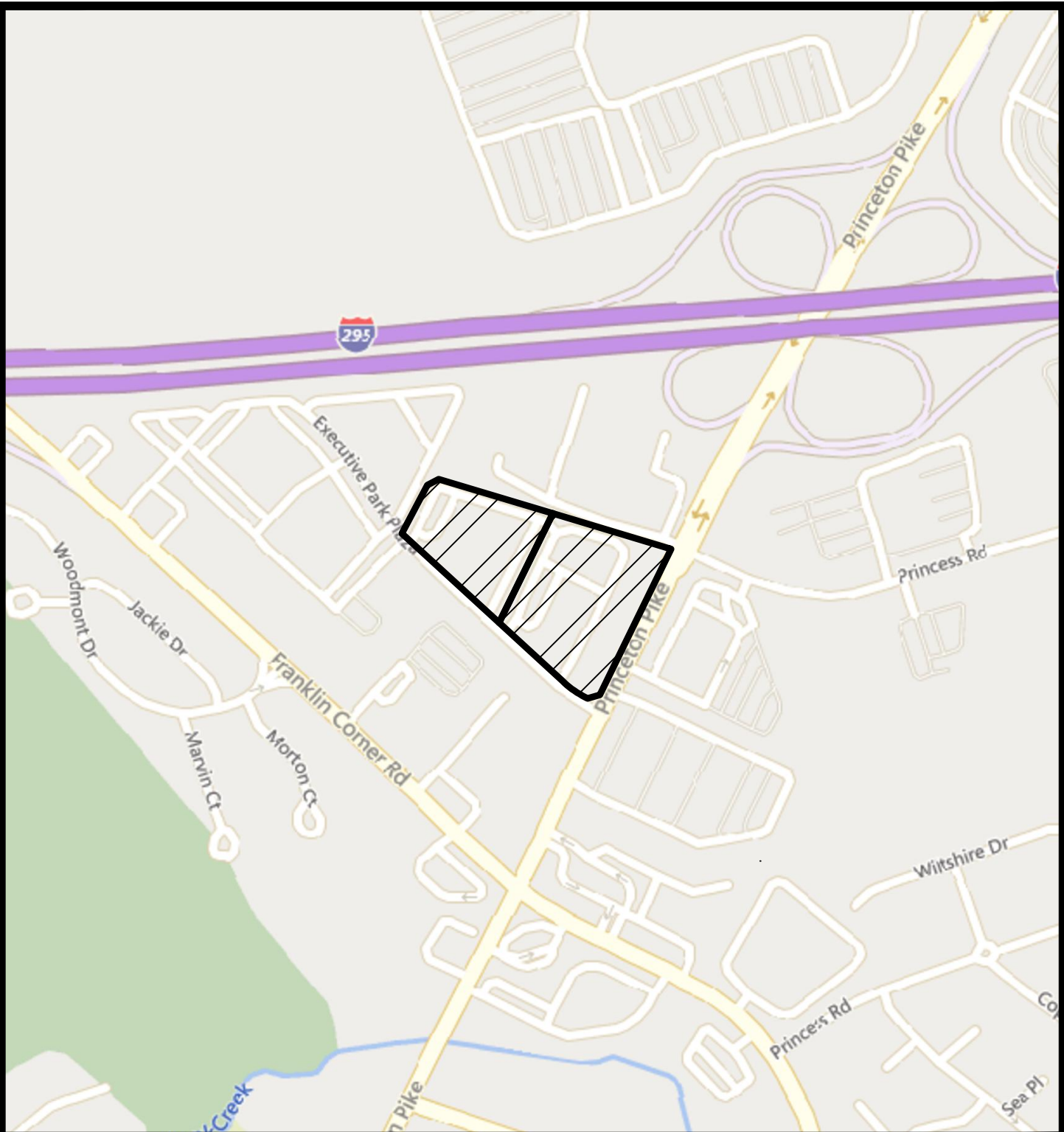
Certificate of Authorization No. 24GA28184000

Louis L. Zuegner IV P.E. PE No. GE04226500  
William J. Parkhill II P.E. PE No. GE04753800

2026 B Briggs Road, Suite 300  
Mount Laurel, NJ 08054  
609-910-4450

# APPENDIX B

## ROAD MAP



# MidAtlantic

## Engineering Partners

### ROAD MAP

#### BLOCK 8301 LOTS 2 & 3

#### LAWRENCE DEVELOPMENT

SITUATED IN  
TOWNSHIP OF LAWNECE, MERCER COUNTY, NEW JERSEY

DRAWN BY: DJS	CHECKED BY: IAB	DATE: 03/18/24
HORIZONTAL SCALE: 1"=500'	VERTICAL SCALE: N/A	PROJECT No.: RAM-2201

2026B Briggs Rd, Suite 300  
Mt. Laurel Twp, NJ 08054  
609-910-4450  
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1971 Highway 34, Suite 201  
Wall Township, NJ 07719  
732-722-5899

321 W. State Street  
Media, PA 19063  
610-565-0020  
Certificate of Authorization No. 24GA28184000

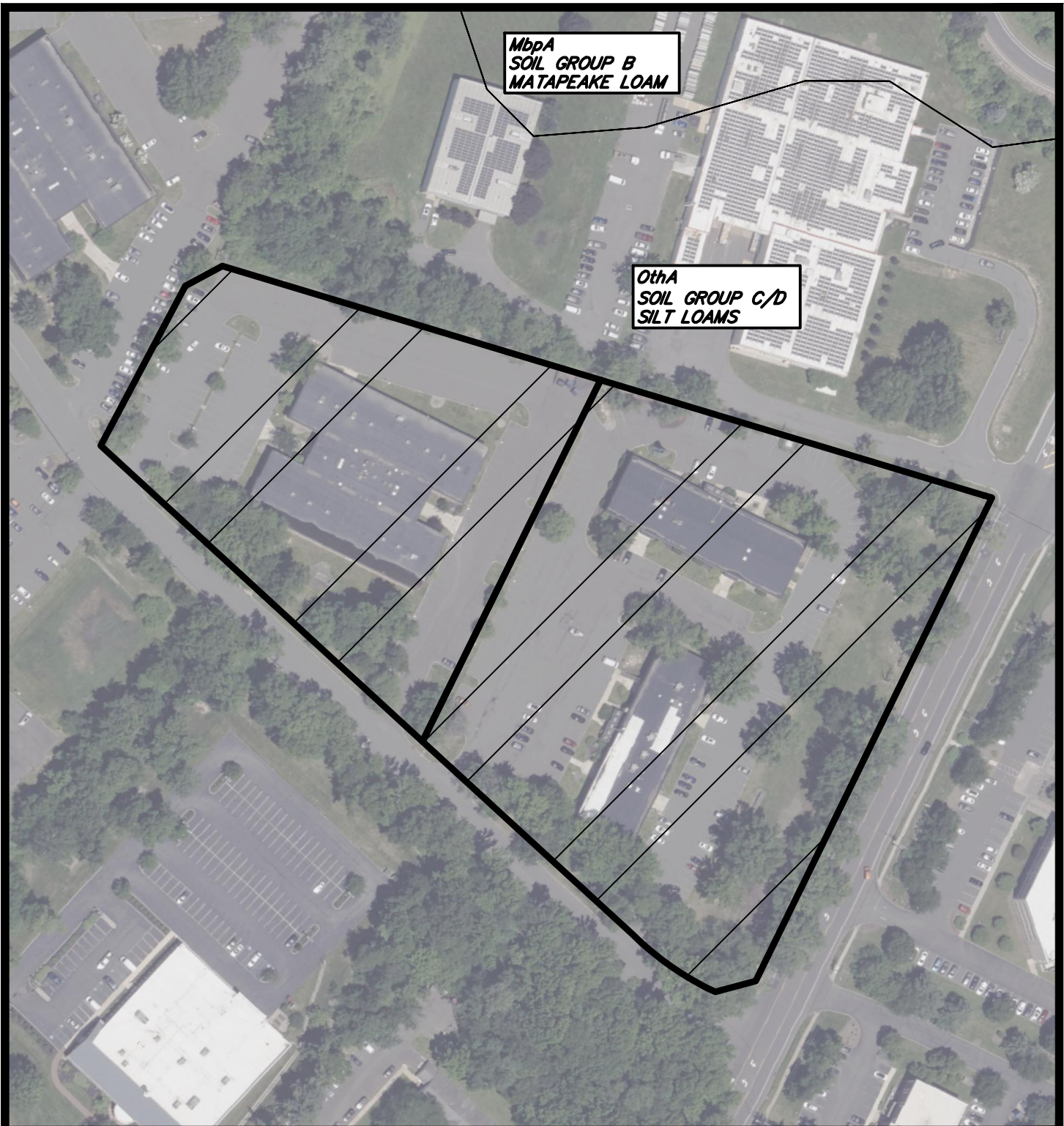
26 Washington St, 3rd Floor  
Morristown, NJ 07960  
973-715-8652

Name: G:\Reynolds Asset Management\JOBS\RAM-2201 Lawrence Redevelopment\DWG\98-Exhibits.dwg  
Plot time: Apr 24, 2024 - 1:37pm

# APPENDIX C

## USDA SOILS MAP





# MidAtlantic

## Engineering Partners

### SOIL MAP

#### BLOCK 8301 LOTS 2 & 3

#### LAWRENCE DEVELOPMENT

SITUATED IN  
TOWNSHIP OF LAWNECE, MERCER COUNTY, NEW JERSEY

DRAWN BY: JRN	CHECKED BY: IAB	DATE: 03/18/24
HORIZONTAL SCALE: 1"=150'	VERTICAL SCALE: N/A	PROJECT No.: RAM-2201

2026B Briggs Rd, Suite 300  
Mt. Laurel Twp, NJ 08054  
609-910-4450  
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1971 Highway 34, Suite 201  
Wall Township, NJ 07719  
732-722-5899

321 W. State Street  
Media, PA 19063  
610-565-0020  
Certificate of Authorization No. 24GA28184000

26 Washington St, 3rd Floor  
Morristown, NJ 07960  
973-715-8652



# APPENDIX D

# NHP LETTER

Department of Environmental Protection  
**Office of Natural Lands Management**  
 Mail Code 501-04, P.O. Box 420  
 Trenton, New Jersey 08625-0420  
 Tel. (609) 984-1339; Fax. (609) 984-1427



# ***Invoice***

	Date	Invoice #
	1/8/2024	29461

Bill to:  
 MidAtlantic Engineering Partners, LLC  
 1971 Highway 34, Suite 201  
 Wall, NJ 07719

**Make check payable to:**  
*DEP - Office of Natural Lands Management*

**Include this invoice with payment & send to:**  
*NJDEP Office of Natural Lands Management  
 Mail Code 501-04, P.O. Box 420  
 Trenton, New Jersey 08625-0420*

Quantity (hrs.)	Description	Rate (per hr.)	Amount
1	Natural Heritage Database search for locational information of rare species and ecological communities. Project: 24-4007436-29461	\$ 70.00	\$ 70.00
Jenna C. Apgar Project Name: Lawrence Redevelopment		<b>Total</b>	\$ 70.00



# State of New Jersey

## DEPARTMENT OF ENVIRONMENTAL PROTECTION

STATE PARKS, FORESTS & HISTORIC SITES

OFFICE OF NATURAL LANDS MANAGEMENT

501 East State Street

P.O. Box 420, Mail Code 501-04

Trenton, New Jersey 08625-0420

Tel. (609) 984-1339 \* Fax (609) 984-1427

<https://www.nj.gov/dep/parksandforests/natural/index.html>

**PHILIP D. MURPHY**

*Governor*

**TAHESHA L. WAY**

*Lt. Governor*

**SHAWN M. LATOURETTE**

*Commissioner*

January 8, 2024

Jenna C. Apgar  
MidAtlantic Engineering Partners, LLC  
1971 Highway 34, Suite 201  
Wall, NJ 07719

Re: Lawrence Redevelopment  
Block(s) - 3801, Lot(s) - 2 & 3  
Lawrence Township, Mercer County

Dear Ms. Apgar:

Thank you for your data request regarding rare species information for the above referenced project site.

Searches of the Natural Heritage Database and the Landscape Project (Version 3.3) are based on a representation of the boundaries of your project site in our Geographic Information System (GIS). We make every effort to accurately transfer your project bounds from the map(s) submitted with the Natural Heritage Data Request Form into our GIS. We do not typically verify that your project bounds are accurate, or check them against other sources.

We have checked the Landscape Project habitat mapping and the Biotics Database for occurrences of any rare wildlife species or wildlife habitat on the referenced site. The Natural Heritage Database was searched for occurrences of rare plant species or ecological communities that may be on the project site. Please refer to Table 1 (attached) to determine if any rare plant species, ecological communities, or rare wildlife species or wildlife habitat are documented on site. A detailed report is provided for each category coded as 'Yes' in Table 1.

We have also checked the Landscape Project habitat mapping and Biotics Database for occurrences of rare wildlife species or wildlife habitat in the immediate vicinity (within ¼ mile) of the referenced site. Additionally, the Natural Heritage Database was checked for occurrences of rare plant species or ecological communities within ¼ mile of the site. Please refer to Table 2 (attached) to determine if any rare plant species, ecological communities, or rare wildlife species or wildlife habitat are documented within the immediate vicinity of the site. Detailed reports are provided for all categories coded as 'Yes' in Table 2. These reports may include species that have also been documented on the project site.

We have also checked the Landscape Project habitat mapping and Biotics Database for all occurrences of rare wildlife species or wildlife habitat within one mile of the referenced site. Please refer to Table 3 (attached) to determine if any rare wildlife species or wildlife habitat is documented within one mile of the project site. Detailed reports are provided for each category coded as 'Yes' in Table 3. These reports may include species that have also been documented on the project site.

For requests submitted in order to make a riparian zone width determination as part of a Flood Hazard Area Control Act (FHACA) rule application, we report records for all rare plant species and ecological communities tracked by the Natural Heritage Program that may be on, or in the immediate vicinity of, your project site. A subset of these plant species is also covered by the FHACA rules when the records are located within one mile of the project site. One-mile searches for FHACA plant species will only report precisely located occurrences for those wetland plant species identified under the FHACA regulations as being critically dependent on the watercourse. Please refer to Table 3 (attached) to determine if any

NHP File No. 24-4007436-29461

precisely located rare wetland plant species covered by the FHACA rules have been documented. Detailed reports are provided for each category coded as 'Yes' in Table 3. These reports may include species that have also been documented on, or in the immediate vicinity of, the project site.

The Natural Heritage Program reviews its data periodically to identify priority sites for natural diversity in the State. Included as priority sites are some of the State's best habitats for rare and endangered species and ecological communities. Please refer to Tables 1, 2 and 3 (attached) to determine if any priority sites are located on, in the immediate vicinity, or within one mile of the project site.

A list of rare plant species and ecological communities that have been documented from the county (or counties), referenced above, can be downloaded from <https://nj.gov/dep/parksandforests/natural/heritage/database.html>. If suitable habitat is present at the project site, the species in that list have potential to be present.

Status and rank codes used in the tables and lists are defined in EXPLANATION OF CODES USED IN NATURAL HERITAGE REPORTS, which can be downloaded from [https://nj.gov/dep/parksandforests/natural/docs/nhpcodes\\_2010.pdf](https://nj.gov/dep/parksandforests/natural/docs/nhpcodes_2010.pdf).

Beginning May 9, 2017, the Natural Heritage Program reports for wildlife species will utilize data from Landscape Project Version 3.3. If you have questions concerning the wildlife records or wildlife species mentioned in this response, we recommend that you visit the interactive web application at the following URL, <https://njdep.maps.arcgis.com/apps/webappviewer/index.html?id=0e6a44098c524ed99bf739953cb4d4c7>, or contact the Division of Fish and Wildlife, Endangered and Nongame Species Program at (609) 292-9400.

For additional information regarding any Federally listed plant or animal species, please contact the U.S. Fish & Wildlife Service, New Jersey Field Office at <http://www.fws.gov/northeast/njfieldoffice/endangered/consultation.html>.

Information supplied by the Natural Heritage Program summarizes existing data known to the program at the time of the request regarding the biological elements (species and/or ecological communities) or their locations. They should never be regarded as final statements on the elements or areas being considered, nor should they be substituted for on-site surveys required for environmental assessments.

Thank you for consulting the Natural Heritage Program. The attached invoice details the payment due for processing this data request. Feel free to contact us again regarding any future data requests.

Sincerely,



Robert J. Cartica  
Administrator

c: NHP File No. 24-4007436-29461

***Table 1: On Site Data Request Search Results (6 Possible Reports)***

<b><u>Report Name</u></b>	<b><u>Included</u></b>	<b><u>Number of Pages</u></b>
1. Possibly on Project Site Based on Search of Natural Heritage Database: Rare Plant Species and Ecological Communities Currently Recorded in the New Jersey Natural Heritage Database	No	0 pages included
2. Natural Heritage Priority Sites On Site	No	0 pages included
3. Rare Wildlife Species or Wildlife Habitat on the Project Site Based on Search of Landscape Project 3.3 Species Based Patches	No	0 pages included
4. Vernal Pool Habitat on the Project Site Based on Search of Landscape Project 3.3	No	0 pages included
5. Rare Wildlife Species or Wildlife Habitat on the Project Site Based on Search of Landscape Project 3.3 Stream Habitat File	No	0 pages included
6. Other Animal Species On the Project Site Based on Additional Species Tracked by Endangered and Nongame Species Program	No	0 pages included

***Table 2: Vicinity Data Request Search Results (6 possible reports)***

<b><u>Report Name</u></b>	<b><u>Included</u></b>	<b><u>Number of Pages</u></b>
1. Immediate Vicinity of the Project Site Based on Search of Natural Heritage Database: Rare Plant Species and Ecological Communities Currently Recorded in the New Jersey Natural Heritage Database	No	0 pages included
2. Natural Heritage Priority Sites within the Immediate Vicinity	No	0 pages included
3. Rare Wildlife Species or Wildlife Habitat Within the Immediate Vicinity of the Project Site Based on Search of Landscape Project 3.3 Species Based Patches	Yes	1 page(s) included
4. Vernal Pool Habitat In the Immediate Vicinity of Project Site Based on Search of Landscape Project 3.3	No	0 pages included
5. Rare Wildlife Species or Wildlife Habitat In the Immediate Vicinity of the Project Site Based on Search of Landscape Project 3.3 Stream Habitat File	No	0 pages included
6. Other Animal Species In the Immediate Vicinity of the Project Site Based on Additional Species Tracked by Endangered and Nongame Species Program	No	0 pages included

**Rare Wildlife Species or Wildlife Habitat Within the  
Immediate Vicinity of the Project Site Based on Search of  
Landscape Project 3.3 Species Based Patches**

Class	Common Name	Scientific Name	Feature Type	Rank	Federal Protection Status	State Protection Status	Grank	Srank
<hr/>								
<i>Aves</i>	Great Blue Heron	Ardea herodias	Foraging	2	NA	Special Concern	G5	S3B,S4N
	Sharp-shinned Hawk	Accipiter striatus	Breeding Sighting	2	NA	Special Concern	G5	S3B,S3N

***Table 3: Within 1 Mile for Riparian Zone Width Determination  
(6 possible reports)***

<b><u>Report Name</u></b>	<b><u>Included</u></b>	<b><u>Number of Pages</u></b>
1. Rare Plant Species Occurrences for Riparian Zone Width Determination (Flood Hazard Area Control Act Rule Application) - Within One Mile of the Project Site Based on Search of Natural Heritage Database	No	0 pages included
2. Natural Heritage Priority Sites for Riparian Zone Width Determination - Within One Mile of the Project Site	No	0 pages included
3. Rare Wildlife Species or Wildlife Habitat for Riparian Zone Width Determination - Within One Mile of the Project Site Based on Search of Landscape Project 3.3 Species Based Patches	Yes	1 page(s) included
4. Vernal Pool Habitat for Riparian Zone Width Determination - Within One Mile of the Project Site Based on Search of Landscape Project 3.3	Yes	1 page(s) included
5. Rare Wildlife Species or Wildlife Habitat for Riparian Zone Width Determination - Within One Mile of the Project Site Based on Search of Landscape Project 3.3 Stream Habitat File	No	0 pages included
6. Other Animal Species for Riparian Zone Width Determination - Within One Mile of the Project Site Based on Additional Species Tracked by Endangered and Nongame Species Program	No	0 pages included



**Rare Wildlife Species or Wildlife Habitat for Riparian Zone Width Determination**  
**Within One Mile of the Project Site**  
**Based on Search of Landscape Project 3.3 Species Based Patches**

Class	Common Name	Scientific Name	Feature Type	Rank	Federal Protection Status	State Protection Status	Grank	Srank
Aves	Bald Eagle	Haliaeetus leucocephalus	Foraging	4	NA	State Endangered	G5	S1B,S2N
	Cooper's Hawk	Accipiter cooperii	Breeding Sighting	2	NA	Special Concern	G5	S3B,S4N
	Great Blue Heron	Ardea herodias	Foraging	2	NA	Special Concern	G5	S3B,S4N
	Sharp-shinned Hawk	Accipiter striatus	Breeding Sighting	2	NA	Special Concern	G5	S3B,S3N

**Vernal Pool Habitat for Riparian Zone Width Determination  
Within One Mile of the Project Site  
Based on Search of Landscape Project 3.3**

<b>Vernal Pool Habitat Type</b>	<b>Vernal Pool Habitat ID</b>
Potential vernal habitat area	1549
Potential vernal habitat area	1560
Total number of records:	2