

**ENVIRONMENTAL IMPACT STATEMENT  
FOR  
BLOCK 42, LOTS 1, 1.01, 1.03, 2, 2.01, 2.02 &  
2.03  
HAINESPORT TOWNSHIP  
BURLINGTON COUNTY, NJ**

**EDA #7615**

**Prepared by:**

**Steven L. Filippone, P.E.**

**October 2021**

## **PROJECT DESCRIPTION**

It is the intent of the applicant to request a site plan approval and subdivision approval to allow the elimination of an existing access driveway currently utilized by the existing Nissan dealership, to allow the construction of a new 36' wide access driveway for the Nissan dealership and allow the construction of a new 40' access driveway for the proposed Hainesport Warehouses project located on adjacent Lot 2.

The project site has an approximate area of 7.51 acres (includes a portion of Lot 2) and is located at 1513 Route 38 in Hainesport Township, Burlington County, New Jersey. Township tax records identify the project area as Block 42 Lots 1.01, 2, and 2.01. The site is located within the 38 MHBP Zoning District- Mount Holly Bypass Redevelopment Area Zoning District Automotive Dealership Component Zoning Standards.

## **PROJECT PURPOSE**

The project purpose is to improve site accessibility and site safety through the relocation of an existing driveway and the construction of a new driveway access for the proposed Hainesport Warehouse project located on adjacent Lot 2. The construction of the new access driveways will help achieve the redevelopment plan goal of encouraging development and improvement of existing commercial, office and business uses along the Route 38 corridor.

## **ENVIRONMENTAL CONDITIONS INVENTORY & IMPACT**

### **a. Soil Types**

As denoted on the Natural Resources Conservation Service (NRCS) soils map the project site consists of the (ThfB) Tinton sand 0 to 5 percent slopes soil type. This soil series consists of well drained, gently sloping to strongly sloping soils. Permeability is moderately rapid and available water capacity is low or very low depending on the depth of the sand. The depth to seasonal high-water table is more than 80 inches.

### **b. Surface Waters**

NJDEP mapping indicates there are wetlands located within the northwest portion of the site. The applicant has received a FWW GP6 Non-Tributary Wetlands Water Quality Certificate from the NJDEP which authorizes the permanent disturbance of 0.64 acres for the filling of an isolated freshwater wetland (permit number 0316-20-0002.1 LUP 200001). There are no flood plains or vernal pool habitats located on the site. The nearest waterway to the site is the South Branch Rancocas Creek located northwest of the site.



c. Groundcover

The project site currently consists of impervious, gravel, wetlands vegetation and grass/landscaping. Wetlands are generally dominated by Common Reed (*Phragmites australis*), Soft Rush (*Juncus effusus*), Roundleaf Greenbriar (*Smilax rotundifolia*), Swamp Aster (*Symphotrichum puniceum*), Narrowleaf Cattail (*Typha angustifolia*), and Wool grass (*Scirpus cyperinus*). The vegetated upland areas generally consist of Black Cherry (*Prunus serotina*), Eastern Red Cedar (*Juniperous virginiana*), Bradford Pear (*Pyrus calleryana*), and Red Pine (*Pinus resinosa*).

The area of impervious surfaces is at approximately 75.30% where a maximum of 75% impervious coverage is permitted by the redevelopment plan.

d. Topography

The site generally drains in a westerly direction from NJ State Highway #38 to an existing area of wetlands located in the northwest portion of the site. Elevations range from elevation 49.00 to elevation 38.00.

e. Groundwater

Groundwater is located approximately 8.8' to 12.1' below the existing ground surface. There are no known portable water wells located within 500' of the project site. Wellhead protection areas are not located at or near the site.

f. Water Supply

The existing building utilized by the Nissan dealership is serviced by an existing water line that is connected to a municipal water main located within the NJ State Highway Route #38 right of way.

g. Sewage System

The existing building utilized by the Nissan dealership is serviced by a recently installed force main and pump station. This system conveys the effluent to the existing pump station located on the Starbuck's property located at the intersection of Mount Holly by-pass and State Highway Route #38. The installed system has been designed to handle flows up to 8,000 gallons per day.

h. Solid Waste

Solid waste and recyclable materials produced by the existing Nissan dealership are collected by a state-licensed private waste hauler. Solid waste is disposed in accordance with all applicable local and state regulations.

i. Air Quality

The most recent readings for the Trenton Monitoring Station has reported “good” monitoring results for the region with pollutant values under the threshold level of 50. An index value of 45 was reported from the station with a pollutant value of 2.5 parts per million.

j. Noise

Project construction may increase noise levels at the site. The noise associated with the construction will be temporary. Noise levels associated with the construction will comply with applicable Township ordinances.

k. Impact of Proposed Actions

- Existing Plant Species

The construction of the proposed driveways will have very little impact on existing plant species as the driveways are to be constructed in areas that have been previously disturbed and improved.

- Existing Animal Species

The areas that are to be improved with the installation of the proposed driveways will have very little impact on existing animal species as these areas do not constitute suitable habitat.

- Existing Wildfowl & other Birds

The majority of the site is currently developed and does not support wildfowl and other bird species. The proposed improvements will not adversely impact local bird populations.



- Drainage & Runoff

There are no proposed drainage improvements proposed as part of this application. The site currently drains to an existing low point located in the northwest portion of the site.

- Groundwater Quality

The installation of the proposed driveways will have little or no impact on groundwater quality as the driveways will be installed in areas that have been previously improved.

- Air Quality

Temporary air quality impacts anticipated during construction of the project are due to construction vehicles and machinery. There will be very little impact to the existing air quality conditions.

- Situation of Surface Waters & Surface Water Quality

There are no surface waters on the project site; therefore, the proposed improvements will not impact surface waters.

- Alternatives to Proposed Development, Consistent with Tract Zoning

The site is located on a property located within the redevelopment plan. The redevelopment plan encourages development and improvement of existing commercial uses in the permitted automobile dealership component of the redevelopment plan. The underlying zoning does not provide a potential alternative that addresses the need for encouraging development and improvement of existing commercial uses.

- Sites of Historic Significance

There are no historic districts or historic structures associated with the project site. There are also no distinctive scenic or historic features on site.

## 1. Surface and Groundwater Studies

A stormwater storage facility is not proposed as part of this application. The site currently drains to an existing low point located in the northwest portion of the property. There will be no impact to the surface water and to the groundwater pertaining to pH, nitrates, total suspended solids, turbidity, and chemical makeup of the water.

### Critical Impact Areas

The project site does not contain areas of stream corridors, streams, estuaries, slopes greater than 15 percent, areas of high-water table or FEMA flood hazard areas.

### Unavoidable Adverse Impacts

The installation of the proposed improvements will have short term impacts that will occur during construction. These impacts will be the result of excavation grading, construction, and paving. There will be a temporary increase in truck and construction equipment traffic during construction. Soil erosion and sediment control methods will be implemented to lessen these impacts.

### Environmental Protective Measures for Critical Impact Areas

There are no critical impact areas associated with this application; therefore, there are no impacts to a critical impact area.

### Steps to Minimize Environmental Damage to Site and Region

The application involves the relocation of the existing dealership access driveway for the Nissan dealership and the construction of a new access driveway for the proposed Hainesport Warehouse project. These improvements will have minimal environmental impacts to the site and surrounding region. Soil erosion and sediment control measures will be implemented to lessen these impacts.

### Permits, Licenses, & other Approvals

- Hainesport Township Planning Board site plan approval – pending
- Burlington County approval – pending
- Burlington County Soil Conservation District Certificate – pending
- New Jersey Department of Transportation approval – pending

## FIGURES





AERIAL MAP  
BLOCK 42, LOTS 1, 1.01, 1.03, 2, 2.01 & 2.02  
HAINESPORT TOWNSHIP, BURLINGTON COUNTY, NJ

DATE: 10/18/2021  
SCALE: 1"=500'

DRAWN BY: MAJ  
PROJECT #: 7615

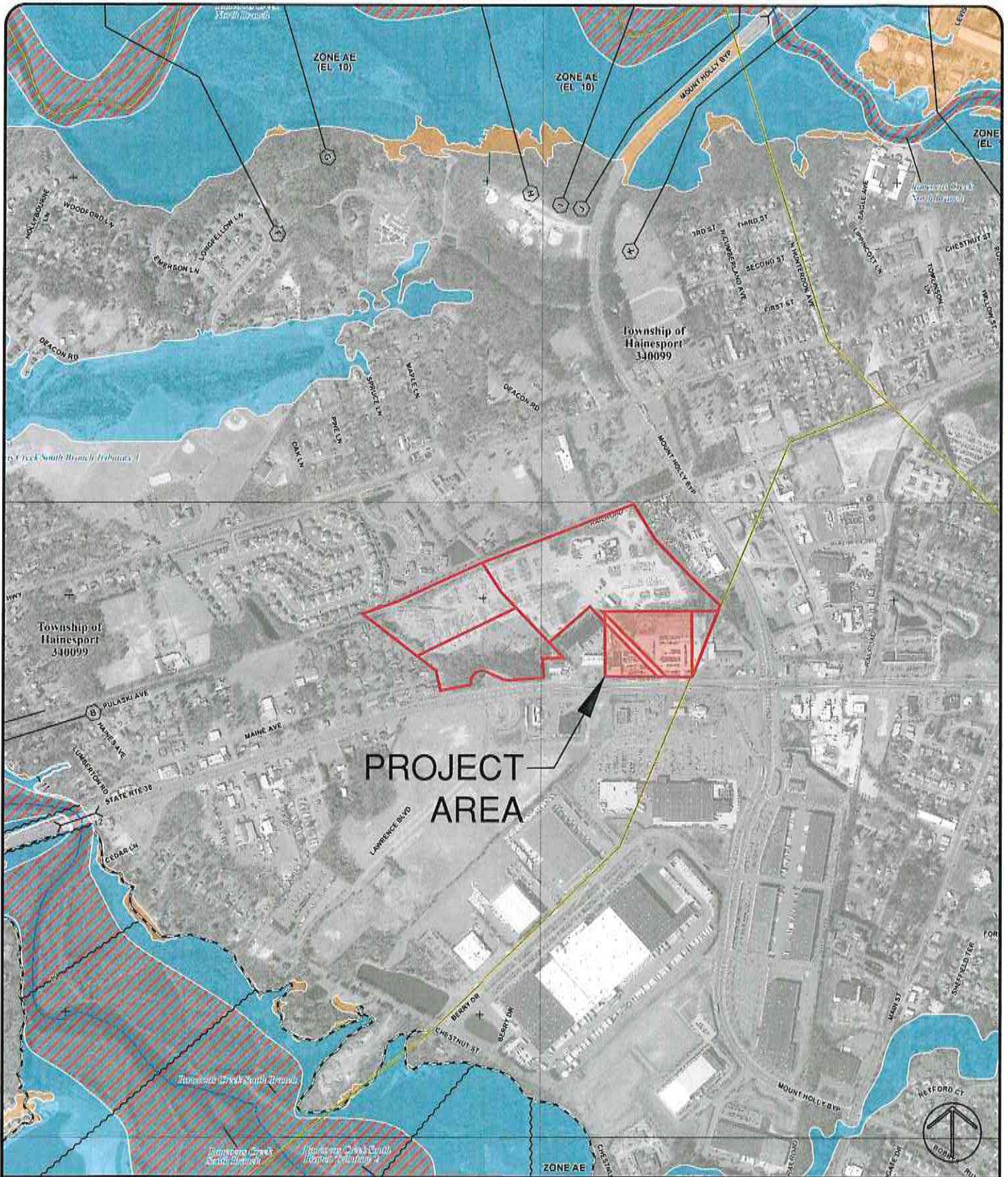
**EDA**

Engineering  
Design  
Associates, P.A.

Engineers Environmental Planners Landscape Architects

CAMBRIDGE PROFESSIONAL OFFICES  
5 Cambridge Drive Ocean View, NJ 08230  
(609) 390-0332 FAX (609) 390-9204





NJ GEOWEB LANDSCAPE PROJECT MAP  
 BLOCK 42, LOTS 1, 1.01, 1.03, 2, 2.01 & 2.02  
 HAINESPORT TOWNSHIP, BURLINGTON COUNTY, NJ

DATE: 10/18/2021  
 SCALE: 1"=1000'

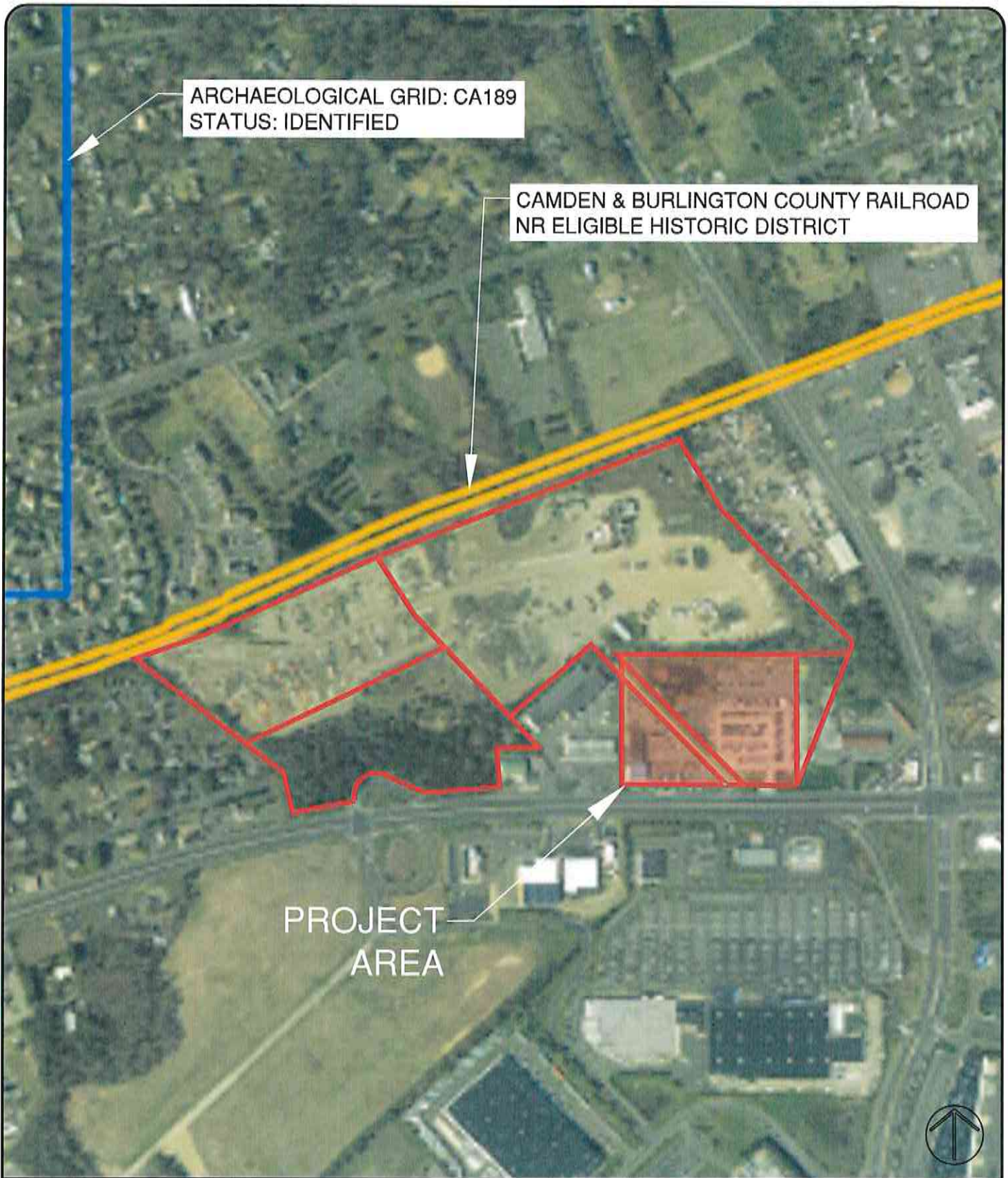
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ARCHAEOLOGICAL GRID: CA189  
STATUS: IDENTIFIED

CAMDEN & BURLINGTON COUNTY RAILROAD  
NR ELIGIBLE HISTORIC DISTRICT

PROJECT  
AREA

NJ GEOWEB HISTORIC RESOURCES MAP  
BLOCK 42, LOTS 1, 1.01, 1.03, 2, 2.01 & 2.02  
HAINESPORT TOWNSHIP, BURLINGTON COUNTY, NJ

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NJ GEOWEB LANDSCAPE PROJECT MAP  
BLOCK 42, LOTS 1, 1.01, 1.03, 2, 2.01 & 2.02  
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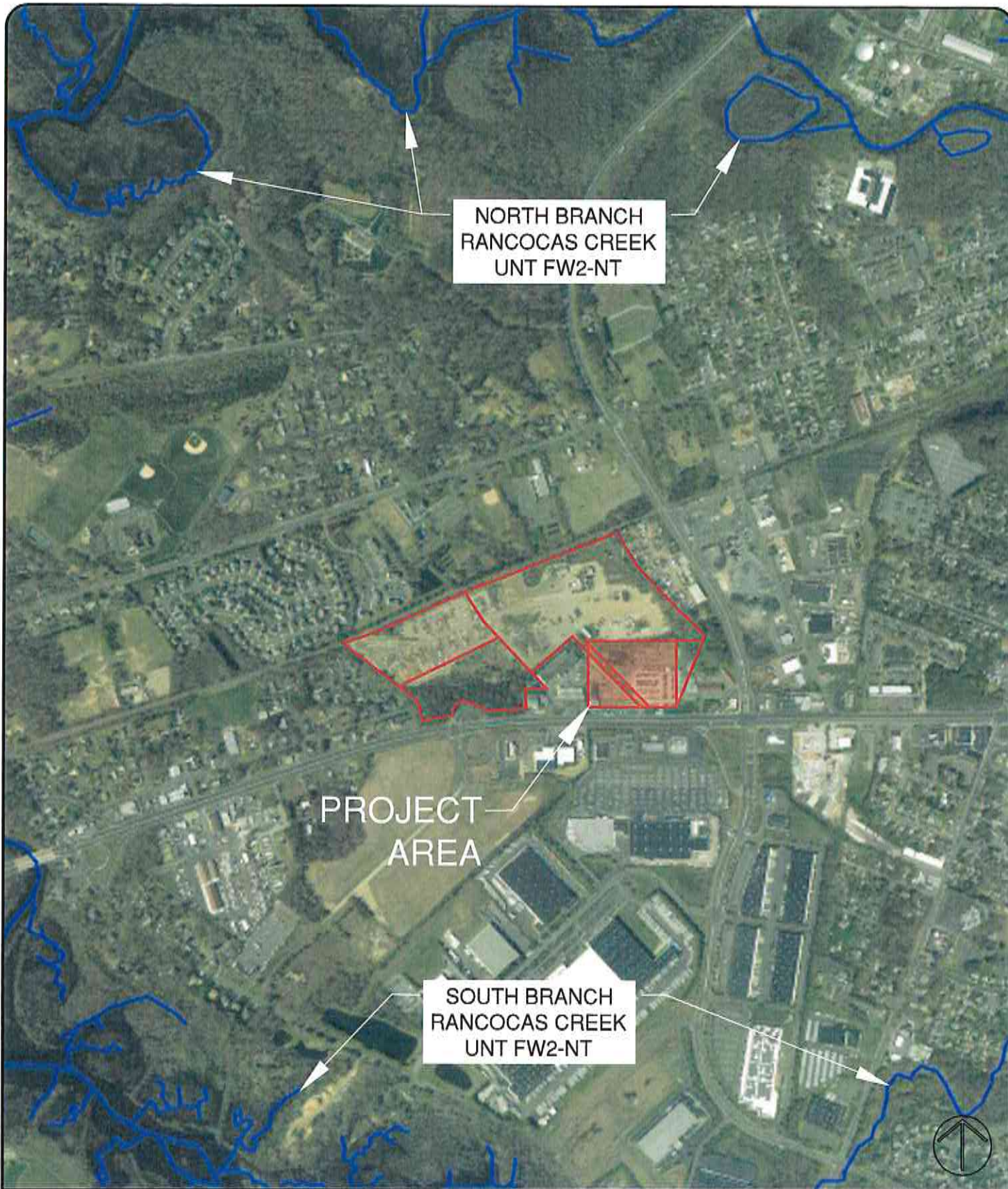


SOILS MAP  
 BLOCK 42, LOTS 1, 1.01, 1.03, 2, 2.01 & 2.02  
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NORTH BRANCH  
RANCOCAS CREEK  
UNT FW2-NT

PROJECT  
AREA

SOUTH BRANCH  
RANCOCAS CREEK  
UNT FW2-NT

NJ GEOWEB SURFACE WATER MAP  
BLOCK 42, LOTS 1, 1.01, 1.03, 2, 2.01 & 2.02  
HAINESPORT TOWNSHIP, BURLINGTON COUNTY, NJ

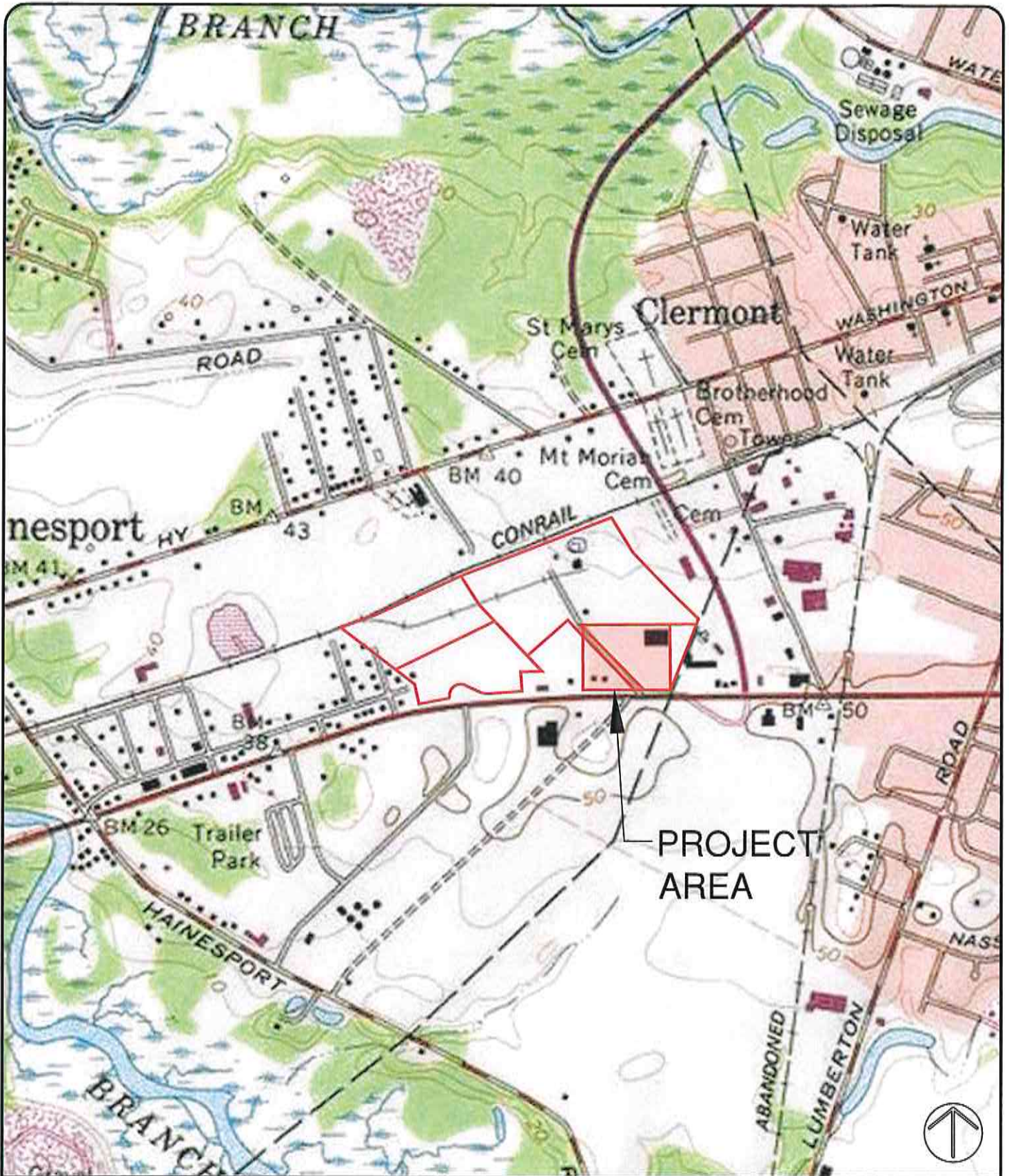
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U.S.G.S. MAP  
 BLOCK 42, LOTS 1, 1.01, 1.03, 2, 2.01 & 2.02  
 HAINESPORT TOWNSHIP, BURLINGTON COUNTY, NJ

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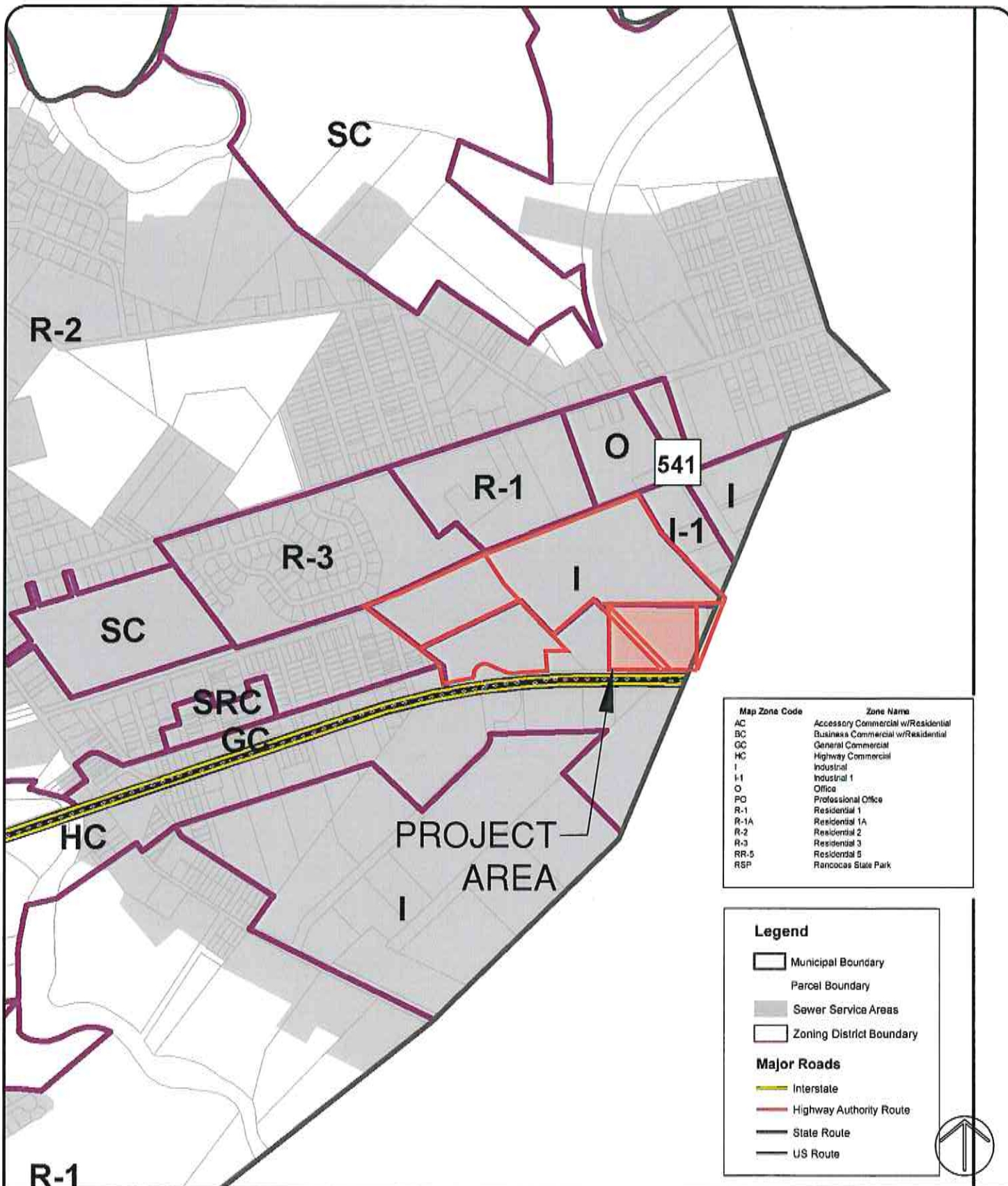


NJ GEOWEB WETLANDS MAP  
BLOCK 42, LOTS 1, 1.01, 1.03, 2, 2.01 & 2.02  
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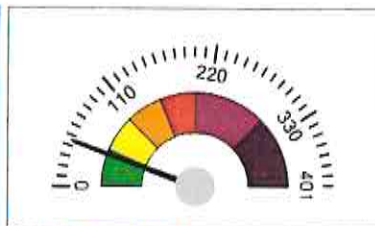
HAINESPORT TOWNSHIP MAP  
BLOCK 42, LOTS 1, 1.01, 1.03, 2, 2.01 & 2.02  
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## Station Information

## Trenton PM


[Download API](#)
**Index Value :** 45

**Pollutants :** PM 2.5

**Dominant Pollution :** PM 2.5

<b>Last Received</b>	PM2.5
	ppm3
<b>10/15/2021 7:00 AM</b>	10.4

Click on a station to see the latest hourly readings. (MAP ONLY)

The monitoring system is on Eastern Standard Time (EST) year-round.

If you are viewing it during Eastern Daylight Savings Time (EDST), the data will appear to lag by 1 hour. For example, 2:00 EDST is 1:00 EST.

All data shown here is preliminary and subject to change. It has not been reviewed or edited.



## Air Quality Index Legend

GOOD

MODERATE

UNHEALTHY FOR SENSITIVE GROUPS

UNHEALTHY

VERY UNHEALTHY

HAZAROUS

NO DATA

## KEY

O <sub>3</sub>	Ozone
SO <sub>2</sub>	Sulfur Dioxide
NO <sub>2</sub>	Nitrogen Dioxide
PM <sub>2.5</sub>	Particle Matter
CO	Carbon Monoxide
ppm	Parts per Million
ug/m <sup>3</sup>	Micrograms per Cubic Meter

The following ozone monitoring stations operate only during ozone season (March 1 through October 31);

Ancora,  
Clarksboro,  
Colliers Mills,  
Leonla,  
Monmouth University,  
Ramapo

[Close](#)

TODAY'S FORECAST

SIGN UP FOR AIR QUALITY F





## **PHOTOGRAPHS**





**View of Existing Nissan Dealership Driveway to Remain**





**View of Existing Nissan Dealership Driveway to be Relocated**





**View of Existing Nissan Dealership**





**View of Existing Nissan Dealership**



**View of Existing Nissan Dealership**



**FWW GP6 NON-TRIBUTORY WETLANDS  
WATER QUALITY CERTIFICATE**



STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF LAND RESOURCE PROTECTION  
Mail Code 501-02A, P.O. Box 420, Trenton, New Jersey 08625-0420  
Telephone: (609) 777-0454 or Fax: (609) 777-3656  
www.nj.gov/dep/landuse



PERMIT

7615

<p>In accordance with the laws and regulations of the State of New Jersey, the Department of Environmental Protection hereby grants this permit to perform the activities described below. This permit is revocable with due cause and is subject to the terms, conditions, and limitations listed below and on the attached pages. For the purpose of this document, "permit" means "approval, certification, registration, authorization, waiver, etc." Violation of any term, condition, or limitation of this permit is a violation of the implementing rules and may subject the permittee to enforcement action.</p>		Approval Date <b>May 18, 2021</b>
		Expiration Date <b>May 17, 2026</b>
Permit Number(s): 0316-20-0002.1 LUP200001	Type of Approval(s): FWW GP6 Non-Tributary Wetlands Water Quality Certificate	Governing Rule(s): N.J.S.A. 13:9B-1 et seq. N.J.S.A. 58:10A-1 et seq.
Permittee: Tina Wright Seagull Holdings, LLC 439 Mantua Ave. Woodbury, NJ 08086	Site Location: Block(s) & Lot(s): [42, 2.01] Municipality: Hainesport Twp. County: Burlington	
<p><b>Description of Authorized Activities:</b></p> <p>This permit authorizes the <b>permanent disturbance of 0.64 acres (27,655 square feet) for the filling of an isolated freshwater wetland</b> for a stormwater basin and parking lot for the construction of a building under a Freshwater General Permit 6, as shown on the plans referenced on the last page of this permit. <b>This authorization to conduct activities in freshwater wetlands includes the issuance of a Water Quality Certificate.</b></p> <p>The Division of Land Use Regulation has reviewed the referenced application for a General Permit authorization pursuant to the requirements of the Freshwater Wetlands Protection Act Rules at N.J.A.C. 7:7A-7. The activities allowed by this authorization shall comply with applicable conditions noted at N.J.A.C. 7:7-5.7, 7.10A, and 20.2. Failure to comply with these conditions shall constitute a violation of the Freshwater Wetland Protection Act (N.J.S.A. 13:9B-1 et. seq.).</p> <p>Any additional un-permitted disturbance of freshwater wetlands, State Open Waters and/or transition areas besides that shown on the approved plans shall be considered a violation of the Freshwater Wetlands Protection Act rules unless the activity is exempt or a permit is obtained from the Department prior to the start of the proposed disturbance.</p>		
Prepared by:  <i>Grace Weiss</i>	Received and/or Recorded by County Clerk:	
<p>If the permittee undertakes any regulated activity, project, or development authorized under this permit, such action shall constitute the permittee's acceptance of the permit in its entirety as well as the permittee's agreement to abide by the requirements of the permit and all conditions therein.</p>		
<p><b>This permit is not valid unless authorizing signature appears on the last page.</b></p>		



### FRESHWATER WETLAND SPECIAL CONDITIONS:

1. The total amount of disturbance associated with this authorization shall not exceed **0.64 acres (27,655 SF) of transition area** for the filling of an isolated wetland for a stormwater basin under a Freshwater Wetlands General Permit No. 6.
2. The wetlands affected by this permit authorization are of **intermediate** resource value and the standard transition area or buffer required adjacent to these wetlands is 50 feet. This general permit includes a transition area waiver, which allows encroachment only in that portion of the transition area, which has been determined by the Department to be necessary to accomplish the regulated activities. Any additional regulated activities conducted within the standard transition area on-site shall require a separate transition area waiver from the Division. Regulated activities within a transition area are defined at N.J.A.C. 7:7A-2.3.
3. This authorization for a General Permit is valid for a term not to exceed five years from the date of this permit. If the permittee wishes to continue an activity covered by the permit after the expiration date of the permit, the permittee must apply for and obtain a permit extension or a new permit, prior to the permit's expiration. If the term of the authorization exceeds the expiration date of the general permit issued by rule, and the permit upon which the authorization is based is modified by rule to include more stringent standards or conditions, or is not reissued, the applicant must comply with the requirements of the new regulations by applying for a new GP authorization or an Individual permit.

### STANDARD CONDITIONS:

1. The issuance of a permit shall in no way expose the State of New Jersey or the Department to liability for the sufficiency or correctness of the design of any construction or structure(s). Neither the State nor the Department shall, in any way, be liable for any loss of life or property that may occur by virtue of the activity or project conducted as authorized under a permit.
2. The issuance of a permit does not convey any property rights or any exclusive privilege.
3. The permittee shall obtain all applicable Federal, State, and local approvals prior to commencement of regulated activities authorized under a permit.
4. The permittee will be responsible for the installation of a sediment barrier around all disturbed soils, which is sufficient to prevent the sedimentation of the remaining wetlands and transition area. In addition, a permittee conducting an activity involving soil disturbance, the creation of drainage structures, or changes in natural contours shall obtain any required approvals from the Soil Conservation District having jurisdiction over the site.
5. The permittee shall take all reasonable steps to prevent, minimize, or correct any adverse impact on the environment resulting from activities conducted pursuant to the permit, or from noncompliance with the permit.

6. The permittee shall immediately inform the Department by telephone at (877) 927-6337 (Warn DEP Hotline) of any noncompliance that may endanger the public health, safety, and welfare, or the environment. In addition, the permittee shall inform the Division of Land Use Regulation by telephone at (609) 777-0454 of any noncompliance within twelve hours of the time the permittee becomes aware of the noncompliance, and in writing within five working days of the time the permittee becomes aware of the noncompliance. Such notice shall not, however, serve as a defense to enforcement action if the project is found to be in violation of this chapter. The written notice shall include:
  - a. A description of the noncompliance and its cause;
  - b. The period of noncompliance, including exact dates and times;
  - c. If the noncompliance has not been corrected, the anticipated length of time it is expected to continue; and
  - d. The steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.
7. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the authorized activity in order to maintain compliance with the conditions of the permit.
8. The permittee shall allow an authorized representative of the Department, upon the presentation of credentials, to:
  - a. Enter upon the permittee's premises where a regulated activity is located or conducted, or where records must be kept under the conditions of the permit;
  - b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit; and
  - c. Inspect at reasonable times any facilities, equipment, practices, or operations regulated or required under the permit. Failure to allow reasonable access under this paragraph shall be considered a violation of this chapter and subject the permittee to enforcement action.
9. The permittee and its contractors and subcontractors shall comply with all conditions, site plans, and supporting documents approved by the permit. Any noncompliance with a permit constitutes a violation of this chapter and is grounds for enforcement action under, as well as, in the appropriate case, suspension and/or termination of the permit.
10. All conditions, site plans, and supporting documents approved by a permit shall remain in full force and effect so long as the regulated activity or project, or any portion thereof, is in existence, unless the permit is modified.
11. If any condition or permit is determined to be legally unenforceable, modifications and additional conditions may be imposed by the Department as necessary to protect public health, safety, and welfare, or the environment.
12. A copy of the permit and all approved site plans and supporting documents shall be maintained at the site at all times and made available to Department representatives or their designated agents immediately upon request.



13. A permit shall be transferred to another person only in accordance with the regulations N.J.A.C. 7:7A-20.5.
14. A permit can be suspended or terminated by the Department for cause as specified at N.J.A.C. 7:7A-20.8 and 20.9.
15. The submittal of a request to modify a permit by the permittee, or a notification of planned changes or anticipated noncompliance, does not stay any condition of a permit.
16. Where the permittee becomes aware that it failed to submit any relevant facts in an application, or submitted incorrect information in an application or in any report to the Department, it shall promptly submit such facts or information.
17. The permittee shall submit written notification to the Bureau of Coastal and Land Use Compliance and Enforcement, 401 East State Street, 4th Floor, P.O. Box 420, Mail Code 401-04C, Trenton, NJ 08625, seven days prior to the commencement of site preparation or of regulated activities, whichever comes first. The notification shall contain proof of recording of a conservation restriction or easement, if one was required as part of the permit.
18. The permittee shall not cause or allow any unreasonable interference with the free flow of a regulated water by placing or dumping any materials, equipment, debris, or structures within or adjacent to the channel while the regulated activity(ies) is being undertaken. Upon completion of the regulated activity(ies), the permittee shall remove and dispose of in a lawful manner, all excess materials, debris, equipment, and silt fences and other temporary soil erosion and sediment control devices from all regulated areas.
19. The regulated activity shall not destroy, jeopardize, or adversely modify a present or documented habitat for threatened or endangered species, and shall not jeopardize the continued existence of any local population of a threatened or endangered species.
20. Best management practices as defined at N.J.A.C. 7:7A-1.3, shall be followed whenever applicable.
21. If the permittee, before or during the work authorizes, encounters a possible historic property, as described at N.J.A.C. 7:7A-19.5(l), that is or may be eligible for listing in the New Jersey or National Register, the permittee shall preserve the resource and immediately notify the Department and proceed as directed.
22. The permittee shall record the permit, including all conditions listed therein, with the Office of the County Clerk (the Registrar of Deeds and Mortgages, if applicable) of each county in which the site is located. The permit shall be recorded within 30 calendar days of receipt by the permittee, unless the permit authorizes activities within two or more counties, in which case the permit shall be recorded within 90 calendar days of receipt. Upon completion of all recording, a copy of the recorded permit shall be forwarded to the Division of Land Use Regulation at the address set forth at N.J.A.C. 7:7A-1.4.

**APPROVED PLAN(S):**

The drawing(s) hereby approved consist of 1 sheet prepared by Steven L. Filippone, P.E. of Engineering Design Associates, P.A., dated 2/7/2020, last revised 9/15/2020, unless otherwise noted, and entitled: "NJDEP PERMIT PLAN BLOCK 42, LOT 2.01 HAINESPORT TOWNSHIP BURLINGTON COUNTY, NEW JERSEY".

**APPEAL OF DECISION:**

Any person who is aggrieved by this decision may submit an adjudicatory hearing request within 30 calendar days after public notice of the decision is published in the DEP Bulletin (available at [www.nj.gov/dep/bulletin](http://www.nj.gov/dep/bulletin)). If a person submits the hearing request after this time, the Department shall deny the request. The hearing request must include a completed copy of the Administrative Hearing Request Checklist (available at [www.nj.gov/dep/landuse/forms.html](http://www.nj.gov/dep/landuse/forms.html)). A person requesting an adjudicatory hearing shall submit the original hearing request to: NJDEP Office of Legal Affairs, Attention: Adjudicatory Hearing Requests, Mail Code 401-04L, P.O. Box 402, 401 East State Street, 7th Floor, Trenton, NJ 08625-0402. Additionally, a copy of the hearing request shall be submitted to the Director of the Division of Land Resource Protection at the address listed on page one of this permit. In addition to your hearing request, you may file a request with the Office of Dispute Resolution to engage in alternative dispute resolution. Please see [www.nj.gov/dep/odr](http://www.nj.gov/dep/odr) for more information on this process.

If you need clarification on any section of this permit or conditions, please contact the Division of Land Resource Protection's Technical Support Call Center at (609) 777-0454.

Approved By:



Digitally signed by  
April R. Grabowski  
Date: 2021.05.18  
12:01:19 -04'00'

---

April R. Grabowski  
Environmental Specialist 3  
Division of Land Resource Protection

- c: Municipal Clerk, Hainesport Twp.  
Municipal Construction Official, Hainesport Twp.  
Agent (original) – Christopher Carey, Lla



**NATURAL HERITAGE DATABASE  
AND LANDSCAPE PROJECT**



State of New Jersey

MAIL CODE 501-04  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF PARKS & FORESTRY  
NEW JERSEY FOREST SERVICE  
OFFICE OF NATURAL LANDS MANAGEMENT  
P.O. BOX 420  
TRENTON, NJ 08625-0420  
Tel. (609) 984-1339 Fax (609) 984-0427

PHILIP D. MURPHY  
*Governor*

SHEILA Y. OLIVER  
*Lt. Governor*

CATHERINE R. McCABE  
*Commissioner*

January 13, 2021

Sarah Parks  
Langan Engineering and Environmental Services, Inc.  
300 Kimball Drive, 4th Floor  
Parsippany, NJ 07054

Re: Block 42, Lots 1, 1.03, 2 & 2.01  
Block(s) - 42, Lot(s) - 1, 1.03, 2 & 2.01  
Hainesport Township, Burlington County

Dear Ms. Parks:

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 topographic map(s) submitted with the Natural Heritage Data Request Form into our Geographic Information System. 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 are 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 precisely located rare wetland plant species covered by the FHACA rules have been documented. Detailed reports are

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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 <http://www.state.nj.us/dep/parksandforests/natural/heritage/countylist.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 [http://www.state.nj.us/dep/parksandforests/natural/heritage/nhpcodes\\_2010.pdf](http://www.state.nj.us/dep/parksandforests/natural/heritage/nhpcodes_2010.pdf).

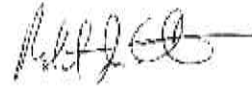
Beginning May 9, 2017, the Natural Heritage Program reports for wildlife species will utilize data from Landscape Project Version 3.3. If you have questions concerning the wildlife records or wildlife species mentioned in this response, we recommend that you visit the interactive web application at the 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>.

PLEASE SEE 'CAUTIONS AND RESTRICTIONS ON NHP DATA', which can be downloaded from <http://www.state.nj.us/dep/parksandforests/natural/heritage/newcaution2008.pdf>.

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

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***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	Yes	1 page(s) included



**Other Animal Species  
On the Project Site Based on  
Additional Species Tracked by  
Endangered and Nongame Species Program**

Scientific Name	Common Name	Federal Protection Status	State Protection Status	Grank	Strank
<i>Invertebrate Animals</i>					
<i>Datana ranunculus</i>	A Hand-maid Moth			G3G4	S3S4
Total number of records: 1					

***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	Yes	1 page(s) 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
<i>Aves</i>								
	American Kestrel	Falco sparverius	Non-breeding Sighting	3	NA	State Threatened	G5	S2B,S2N
	Barred Owl	Strix varia	Breeding Sighting	3	NA	State Threatened	G5	S2B,S2N
	Great Blue Heron	Ardea herodias	Foraging	2	NA	Special Concern	G5	S3B,S4N

**Other Animal Species  
In the Immediate Vicinity of the Project Site Based on  
Additional Species Tracked by  
Endangered and Nongame Species Program**

Scientific Name	Common Name	Federal Protection Status	State Protection Status	Grank	Strank
<b><i>Invertebrate Animals</i></b>					
<i>Datana ranaceps</i>	A Hand-maid Moth			G3G4	S3S4
Total number of records: 1					



***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	No	0 pages 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	Yes	1 page(s) 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
<i>Aves</i>								
	American Kestrel	Falco sparverius	Non-breeding Sighting	3	NA	State Threatened	G5	S2B,S2N
	Bald Eagle	Haliaeetus leucocephalus	Foraging	4	NA	State Endangered	G5	S1B,S2N
	Barred Owl	Strix varia	Breeding Sighting	3	NA	State Threatened	G5	S2B,S2N
	Barred Owl	Strix varia	Non-breeding Sighting	3	NA	State Threatened	G5	S2B,S2N
	Cooper's Hawk	Accipiter cooperii	Nest	2	NA	Special Concern	G5	S3B,S4N
	Great Blue Heron	Ardea herodias	Foraging	2	NA	Special Concern	G5	S3B,S4N
	Red-headed Woodpecker	Melanerpes erythrocephalus	Non-breeding Sighting	3	NA	State Threatened	G5	S2B,S2N



**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**

Scientific Name	Common Name	Federal Protection Status	State Protection Status	Grank	Srank
<i>Invertebrate Animals</i>					
<i>Datana ranaeceph</i>	A Hand-maid Moth			G3G4	S3S4
Total number of records: 1					

# Engineering Design Associates

**Steven L. Filippone, P.E., P.P., C.M.E.**

*General Partner*

*President*

*Founding Partner of Engineering Design Associates - 1986*

## **Education**

B.S. Civil Engineering, Rutgers University, New Brunswick, NJ

M.S. Civil Engineering, Drexel University, Philadelphia, PA

## **Professional Affiliations**

- Professional Engineer, State of New Jersey License No. 29230
- Certified Municipal Engineer, State of New Jersey License No. 601
- Professional Planner, State of New Jersey License No. 3328
- American Society of Civil Engineers, Associate Member
- New Jersey Society of Professional Engineers
- New Jersey D.E.P. Underground Storage Tank Certified
- Oakcrest High School Principal Advisory Committee (Previous Member)

## **Experience Summary**

- 42 Years' Experience in Civil Engineering, Land Use Planning and Environmental Engineering
- Municipal Engineer, Township of Hamilton, Atlantic County, NJ (2016) (2018-Present)
- Planning Board Engineer, Township of Hamilton, Atlantic County, N. J. (2010 - Present)
- Extensive Environmental Evaluation regarding freshwater wetlands, NJDEP permitting, NJ Pinelands Commission approval and U. S. Army Corps of Engineers approval
- Pinelands Local Review Officer (L.R.O.) for Borough of Woodbine (1998-2000)
- Municipal Engineer, Borough of Woodbine, Cape May County, NJ (1995-2000)
- Certified Municipal Engineer (1997-Present)
- New Jersey Department of Environmental Protection Underground Storage Tank Certified