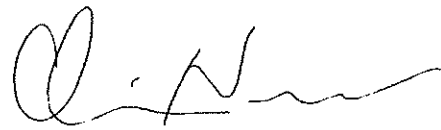


CIVIL ENGINEERING
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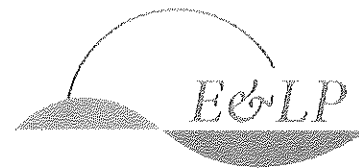
FRESHWATER WETLANDS
REPORT
GENERAL PERMIT 6 AND
TRANSITION AREA WAIVER
248 Stickles Pond Road
Block 151 Lot 21
Andover Township
Sussex County, New Jersey

Prepared For:
BHT Properties Group
5081 SW 48th Street, 10203
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January 20, 2020



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FRESHWATER WETLANDS REPORT

GENERAL PERMIT 6 AND TRANSITION AREA WAIVER

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1. INTRODUCTION

This Freshwater Wetlands Report is being submitted in support of a request for a Freshwater Wetlands delineation, General Permit No. 6, and Transition Area Waivers on behalf of BHT Properties Group for Block 151 Lot 21 in Andover Township, Sussex County, New Jersey. The overall property is a former airport consisting of approximately 100.89 acres. This project proposes disturbance within an isolated wetland and transition areas for the construction of a vehicle storage facility for auction. The boundary line between the uplands and wetlands was delineated at the subject property and is shown on the accompanying NJDEP Permit Plans (Appendix D).

2. PROJECT DESCRIPTION AND REGULATED ACTIVITIES

The project proposed includes the construction of a vehicle storage facility with associated grading activities, which will fill the ordinary wetlands complex on the property and disturb a portion of the transition area on site. The proposed construction will result in the filling of 930 square feet (.021 Acres) of freshwater wetlands under a General Permit No. 6. Transition area disturbance that takes place within previously undisturbed transition area will be compensated for with a transition area averaging plan. Disturbances within transition area that has previously been significantly disturbed will be permitted under a redevelopment transition area waiver. All disturbances are illustrated in the NJDEP Permit Plan (Appendix D).

The proposed regulated activities will require a Soil Erosion and Sediment Control Certification from Sussex County Soil Conservation District.

3. WETLANDS DELINEATION

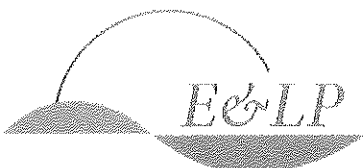
This section serves to summarize the freshwater wetland delineation activities performed on the subject property in accordance with the New Jersey Department of Environmental Protection Act Rules (N.J.A.C. 7:7A).

3.1 Site Characteristics

A review of the NJDEP Freshwater Wetland Inventory Map (2012) indicates the presence of freshwater wetlands in the vicinity of the site (Figure 4). Field investigation discovered the presence of freshwater wetlands on the property, pursuant to our review of the wetland delineation activities.

The USGS Topographic Quad Map indicates that the general topographic relief on the property, which ranges from 597 to 650 feet above MSL, drains outward from the center of the property toward the Pequest River, which flows from northeast to southwest near the northwest property line, the street, and Stickles Pond. The site coordinates have been identified on the USGS map (Figure 1).

The USDA Soil Survey of Sussex County, New Jersey as published by the NRCS Web Soil Survey (WSS 2009) indicates that the majority of the site is comprised of the following major soil series/phases, as referred to in Figure 5:



- FaxC – Farmington-Rock Outcrop Complex 0 to 15 percent slopes
The Farmington series consists of shallow, well drained and somewhat excessively drained soils formed in till. They are nearly level to very steep soils on glaciated uplands. It is not on the hydric soils list.
- HdxpAb – Hazen-Paulins Kill Complex 0 to 3 percent slopes, very stony
Hazen Hero Fredon soils are present surrounding the Paulins Kill and surrounding floodplains. This general soil unit consists of nearly level to very steep, deep, well drained and poorly drained soils, on river terraces, outwash terraces and kames.. It is not on the hydric soils list.
- USFARC – Urban Land-Farmington-Rock Outcrop Complex 0 to 15 percent slopes
Urban Land consists of nearly level to moderately steep areas where the soils have been altered or obscured by urban works and structures.

The project area is located entirely within the above soil series as indicated on the Sussex County Soil Survey (Figure 5).

3.2 Investigation Methods

The focus of this wetlands investigation was to identify the presence of regulated freshwater wetlands utilizing the procedures required by the New Jersey Freshwater Wetlands Protection Rules (N.J.A.C. 7:7a) as delineated in the Federal Manual for Identifying and Delineating Jurisdictional Wetlands (Federal Interagency Committee for Wetland Delineation 1989). The wetland delineation activities included the evaluation of types and extent of vegetation and plant communities, soil conditions and drainage characteristics (i.e. hydrology). The wetland boundaries were delineated in the field utilizing the three-parameter approach to identifying freshwater wetlands, which includes the presence of hydric soils, wetland hydrology, and hydrophytic vegetation as established by the Federal Manual for Identifying and Delineating Jurisdictional Wetlands. The investigation data is summarized on the Wetland Data Sheets contained in Appendix F.

3.3 Results

The investigation confirmed the presence of regulated freshwater wetlands in 8 different locations on the property. Wetlands A is an isolated wetland under 5,000 SF surrounded by lawns and impervious surfaces. Wetlands B, C, D, and E are also isolated wetlands, but they are either greater than 5,000 SF (in the case of Wetlands B, C, and E) or not surrounded by lawn or impervious coverage (for Wetlands C and D). Wetlands F is tributary to Stickles Pond and Wetlands G and H are tributary to the Pequest River, both waterbodies are located along the site's property lines. Refer to Photographs in Appendix B.

Wetlands Areas:

Wetlands A: L1 through L6, 930 SF (0.021 Acres);
 Wetlands B: L7 through L20, 5,722 SF (0.131 Acres);
 Wetlands C: L21 through L32, 10,689 SF (0.245 Acres);
 Wetlands D: L33 through L39, 893 SF (0.021 Acres);
 Wetlands E: L40 through L73, 61,594 SF (1.414 Acres);
 Wetlands F: L74 through L95, 110,103 SF (2.527 Acres);
 Wetlands G: L96 through L125, 29,289 SF (0.672 Acres);
 Wetlands H: L126 through L134, 52,639 SF (1.208 Acres).



Wetlands A is an isolated wetland under 5,000 SF located between Stickles Pond Road and the asphalt runway near the southeastern property line. **Wetlands B** is an isolated wetland located in the center of the property near the asphalt runway. **Wetlands C** is an isolated wetland separated from the Pequest river by a ridge in the northern portion of the property. **Wetlands D** is an isolated wetland located near Stickles Pond in the eastern part of the site. **Wetlands E** is the largest of the wetlands complexes on the property and located in the southwest portion of the property near the asphalt runway. **Wetlands F** is a low wet area which is tributary to Stickles Pond. **Wetlands G and H** run along and drain into the Pequest river in the northwest portion of the site. Hydrophytic vegetation is present in the wetlands areas and consists of wetland plant species. The wetland areas generally contain inundation at or near the surface and hydric soils. Wetlands A is considered an ordinary wetland with no transition area as it is an isolated wetland under 5,000 SF that is surrounded by lawn and impervious surfaces. Therefore, it will have no transition area associated with it. All other Wetlands complexes on the property (Wetlands B through H) are classified as Exceptional Resource value for various reasons including the size, location, and threatened and endangered species present in the area. Therefore, they will all have a 150-foot transition area associated with them. The NJDEP Permit Plan (Appendix D) reflects this designation.

4. WETLANDS PERMIT COMPLIANCE

A. Compliance with N.J.A.C. 7:7A-5.7(b) Conditions applicable to an authorization pursuant to a general permit-by-certification or a general permit

1. *Activities performed under a general permit-by-certification or general permit shall be associated with a proposed project. The Department shall not authorize activities under a general permit-by-certification or general permit for the purpose of eliminating a natural resource in order to avoid regulation. For the purposes of this subsection, project shall mean the use and configuration of all buildings, pavements, roadways, storage areas and structures, and all associated activities;*
The activities proposed under the general permit will be associated with the proposed site development activities.
2. *The regulated activities shall not occur in the proximity of a public water supply intake;*
The regulated activity is not proposed to be in the proximity of a public water supply intake.
3. *The activities 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;*
The proposed regulated activities will not destroy, jeopardize, or adversely modify a habitat for threatened or endangered species.
4. *The activities will not occur in a component of either the Federal or State Wild and Scenic River System; nor in a river officially designated by Congress or the State Legislature as a "study river" for possible inclusion in either system while the river is in an official study status; except that the activity may occur in these waters if approved by the National Park Service in accordance with 40 CFR 233*
The proposed activities will not occur in any Federal or State Wild and Scenic River System or in any river designated as a "study river".
5. *The activities shall not adversely affect properties which are listed or are eligible for listing on the New Jersey or National Register of Historic Places unless the applicant demonstrates to the Department that the proposed activity avoids or minimizes impacts to the maximum extent practicable or the Department determines that any impact to the affected property would not impact the property's ability to continue to meet the criteria for listing at N.J.A.C. 7:4-2.3 or otherwise negatively impact the integrity of the*



property or the characteristics of the property that led to the determination of listing or eligibility. The Department shall not issue a conditional permit if it finds that the mitigation proposed is inadequate to compensate for the adverse effect. Any permit for an activity which may adversely affect a property listed or eligible for listing on the New Jersey or National Register of Historic Places shall contain conditions to ensure that any impact to the property is minimized to the maximum extent practicable and any unavoidable impact is mitigated.

The activities will not adversely affect any properties which are listed or eligible for listing on the New Jersey or National Register of Historic Places.

6. Any discharge of dredged or fill material shall consist of clean, suitable material free from toxic pollutants (see 40 CFR 401) in toxic amounts, and shall comply with all applicable Department rules regarding use of dredged or fill material

There is fill material proposed for the project that will consist of clean, suitable material free from toxic pollutants and will comply with all applicable Department rules.

7. Any structure or fill authorized shall be maintained as specified in the construction plans; The proposed regulated activities will be maintained as depicted on the NJDEP Permit Plan.
8. The activities will not result in a violation of the Flood Hazard Area Control Act, N.J.S.A. 58:16A-50, or implementing rules at N.J.A.C. 7:13

A Flood Hazard Area Individual Permit has been submitted along with this application to exhibit compliance with the Flood Hazard Area Control Act at N.J.A.C. 7:13.

9. If activities under the general permit meet the definition of "major development" at N.J.A.C. 7:8-1.2, then the project of which the activities are a part shall comply in its entirety with the Stormwater Management Rules at N.J.A.C. 7:8.

The proposed regulated activity is defined as a "major development". A Stormwater Management Plan and Report has been submitted along with this report which shows compliance with the Stormwater Management Rules at N.J.A.C. 7:8.

10. If activities under the general permit-by-certification or general permit involve excavation or dredging, the applicant shall use an acceptable disposal site for the excavated or dredged material. No material shall be deposited or dewatered in freshwater wetlands, transition areas, State open waters or other environmentally sensitive areas. The Department may require testing of dredged material if there is reason to suspect that the material is contaminated. If any dredged material is contaminated with toxic substances, the dredged material shall be removed and disposed of in accordance with Department-approved procedures;

The proposed regulated activity does not include dredging, but does include excavation. All excavated material will be removed and sent to an acceptable disposal site. No material will be deposited or dewatered in freshwater wetlands, transition areas, State open waters, or other environmentally sensitive areas.

11. The amount of rip-rap or other energy dissipating material shall not exceed the minimum necessary to prevent erosion, as calculated under the Standards for Soil Erosion and Sediment Control in New Jersey at N.J.A.C. 2:90;

There is no rip-rap proposed for this regulated activity.

12. Best management practices, shall be followed whenever applicable;

The proposed activities have utilized best management practices where applicable.

13. If the general permit activities are subject to the Department's Water Quality Management Planning rules at N.J.A.C. 7:15, the activities shall be consistent with those rules and with the applicable approved Water Quality Management Plan (208 Plan) adopted under the New Jersey Water Quality Planning Act, N.J.S.A. 58:11A-1 et seq.;

The proposed activities are subject to the Department's Water Quality Management Planning rules. The site's Stormwater Management Report shows compliance with N.J.A.C. 7:15.

14. The timing requirements at (c) below shall be met;

The timing requirements at N.J.A.C. 7:7A-5.7(c) will be met.



15. *Activities authorized under a general permit-by-certification or general permit shall not take place in a vernal habitat, or in a transition area adjacent to a vernal habitat, with the exception of activities associated with general permits 1, 6, 6A, and 16, which shall be reviewed on a case-by-case basis in accordance with N.J.A.C. 7:7A-5.3(e).*

Wetlands E has been classified as a vernal habitat. There are no activities under the general permit associated with this wetland and the transition area activities are being done under a redevelopment waiver because the area being disturbed is not currently functioning as a transition area. Therefore, there will be no harmful effects to the vernal habitat as a result of the proposed work.

B. Compliance with N.J.A.C. 7:7A-7.6 General Permit 6 – Non-tributary wetlands

- a) *General permit 6 authorizes regulated activities in freshwater wetlands and/or State open waters, if the freshwater wetlands and/or State open waters are not part of a surface water tributary system discharging into an inland lake or pond, or a river or stream.*

Wetlands A is an isolated wetland and not part of a surface water tributary system discharging into an inland lake or pond, or a river or stream.

1. *The activities disturb no more than one acre of a freshwater wetland and/or State open water that is not a water of the United States; and*
The proposed regulated activities disturb 930 SF (0.021 acres) of freshwater wetlands.
2. *The activities disturb no more than one-half acre of a freshwater wetland and/or State open water that is a water of the United States; and*
The freshwater wetlands to be disturbed are not associated with a water of the United States.
3. *The activities do not take place in any of the following:*
 - i. *An exceptional resource value wetland, as described at N.J.A.C. 7:7A-3.2*
Wetland A is an ordinary wetland
 - ii. *A State open water that is a special aquatic site*
Wetland A is an ordinary wetland
 - iii. *USEPA priority wetlands*
Wetland A is an ordinary wetland
 - iv. *A State open water that is larger than one acre*
Wetland A is an ordinary wetland

C. Compliance with N.J.A.C. 7:7A-8.2– Transition area averaging plan waiver

- b) *The Department shall issue a transition area averaging plan waiver only if the transition area, as modified, will continue to serve the purposes of a transition area set forth in N.J.A.C. 7:7A-3.3. The Department shall presume that the following will result in a transition area that will not serve the purposes set forth in N.J.A.C. 7:7A-3.3, and shall not issue a transition area averaging plan waiver.*

Wetlands A is an isolated wetland and not part of a surface water tributary system discharging into an inland lake or pond, or a river or stream.

1. *The portion of the existing, pre-activity transition area that will be reduced has a slope greater than 25 percent;*
The existing, pre-activity transition area that will be reduced does not have a slope greater than 25 percent.
2. *A new individual subsurface sewage disposal (septic) system that discharges onsite will be placed within the existing, pre-activity transition area;*
There is no septic system proposed to be placed within the existing pre-activity transition area.



3. *An outfall structure that will discharge unfiltered or untreated stormwater into wetlands will be placed within the existing, pre-activity transition area; There is no outfall structure or stormwater discharge proposed to be within the existing, pre-activity transition.*
 4. *The proposed averaging compensation area is separated from the wetland by an intervening structure.*
The proposed compensation area will not be separated from the associated wetland.
- d) *In addition to the presumptions at (b) and (c) above, the Department shall also presume that, for a transition area adjacent to an exceptional resource value wetland, the following will result in a substantial impact on the adjacent freshwater wetlands, and the Department shall not issue a transition area averaging plan waiver*
1. *The freshwater wetland adjacent to the transition area is a breeding or nesting habitat for a threatened or endangered species;*
The freshwater wetlands associated the transition areas to be adjusted are not breeding or nesting habitats for threatened or endangered species.
 2. *The freshwater wetland adjacent to the transition area discharges directly to a trout production water or a tributary thereof*
The freshwater wetlands in question do not discharge directly to a trout production water or its tributary.
 3. *The transition area averaging plan proposes to:*
 - i. *Reduce any portion of the transition area to less than 75 feet wide*
The transition area will not be reduced to less than 75 feet wide in any areas.
 - ii. *Compensate for a transition area reduction by increasing the width of any portion of the transition area to more than 225 feet.*
No portion of the transition will be increased to a width of more than 225 feet in any areas.
- e) *Each transition area averaging plan shall be specific to a particular freshwater wetland and its associated transition area. To determine whether a freshwater wetland area is all one wetland or made up of multiple separate wetlands, the Department shall consider the factors listed at N.J.A.C. 7:7A-8.1(c). If an applicant proposes to expand a transition area to compensate for a reduction elsewhere, the expanded portion of the transition area shall:*
1. *Be an extension of the same transition area that is being reduced, located adjacent to the same freshwater wetlands as the reduced transition area;*
All expanded portions of transition area are located adjacent to the same freshwater wetlands as the areas of reduction they are compensating for.
 2. *Be located on the same site as the reduction*
All expanded and reduced portions of transition area are located within Block 151 Lot 21.
 3. *Be owned in fee simple by the applicant, unless the applicant demonstrates sufficient legal authority over the site to carry out all requirements of this chapter. For example, the expanded portion of the transition area shall not be subject to a utility easement or other encumbrance;*
All expanded portions of transition area are owned in fee simple by the applicant.
 4. *Have the same ecological characteristics as the reduced portion of the transition area, including the vegetation types, or have characteristics that are equivalent or better than the characteristics of the reduced portion of the transition area in regards to the transition area's ability to serve the functions listed at N.J.A.C. 7:7A-3.3.*
All expanded portions of transition area will have the same ecological characteristics as the associated reduction areas.



D. Compliance with N.J.A.C. 7:7A-8.3– Special activity transition area waiver

f) *The Department shall issue a special activity transition area waiver for redevelopment of a significantly disturbed area if all of the following conditions are met:*

1. *The area of proposed activity is significantly disturbed, so that it is not functioning as a transition area at the time of application, for example, the area is covered by an impervious surface such as pavement, by gravel or paver blocks, or by a deck that is less than five feet off the ground;*
The areas of transition area disturbance to be permitted under this waiver are not currently functioning as transition areas. The area previously served as a runway for the airport and is paved.
2. *The significant disturbance in the area of proposed activity was legally existing in the transition area prior to July 1, 1989, or has been permitted under this chapter;*
The disturbance areas under this section have been paved and acted as a runway for the old airport since at least 1970.
3. *No additional disturbance is proposed that would expand the disturbed area;*
The limits of disturbance under this section will not extend to areas that are currently functioning as transition areas.

E. Known or Suspected Contaminated Site

The site is neither known nor suspected to be contaminated.

F. Required Outside Agency Approval

The proposed regulated activity requires certification by the Sussex County Soil Conservation District.

G. Presence of Endangered or Threatened Species Habitats, Historic or Archeological Resources

There are no anticipated impacts to any Threatened or Endangered habitats as a result of the proposed regulated activities (Appendix E).

The site does not contain historic or archeological resources that are relevant to compliance with this chapter.

H. Project Effects upon Swamp Pink (*Helonias Bullata*)

This site is not located within a municipality listed to have swamp pink.

I. Project Effects upon Bog Turtle

This site is located within a municipality listed to have bog turtles and while there are areas of the property which may be suitable for bog turtle habitats, none of the site activities will destroy these areas and be harmful to any bog turtles.



J. Compliance with the Stormwater Management Rules at N.J.A.C. 7:8

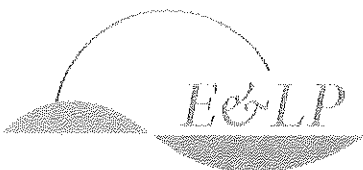
The proposed regulated activity will disturb greater than the one (1) acre of wetlands and transition areas trigger for a major project. The proposed regulated activity also includes the placement, within the wetlands, of more than the one-quarter (1/4) acre of impervious area threshold for water quality analysis. Therefore, this regulated activity is considered a "major project" under the Stormwater Management Rules, N.J.A.C. 7:8. This is addressed in the Stormwater Management report submitted along with this report.

K. Compliance with the Flood Hazard Area Control Act Rules at N.J.A.C. 7:13

The proposed regulated activities require a Flood Hazard Area Verification to show that there are no regulated activities within the Riparian zone or floodplain in order to proceed with activities. The application for this verification has been submitted along with this one and shows compliance with the Flood Hazard Area Control Act rules at N.J.A.C. 7:13.

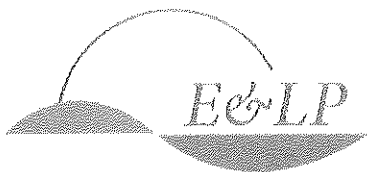
5. CONCLUSION

The regulated activity consists of the construction of a vehicle storage facility and the grading necessary for the project. The ordinary wetland (Wetlands A) on the property will be filled under a General Permit No. 6, previously disturbed wetlands on the property will be redeveloped under a Special Activity Redevelopment Transition Area Waiver, and the transition areas to be newly disturbed on the subject property will be compensated for under a Transition Area Averaging Plan Waiver. The proposed activities comply with the regulations set forth in N.J.A.C 7:7A-7.6, 8.2, and 8.3 for non-tributary wetlands and transition area waivers.



APPENDIX A --

NJDEP DLUR APPLICATION & WETLANDS CHECKLISTS





State of New Jersey
Department of Environmental Protection
 Revised: April 15, 2019 Website: www.nj.gov/dep/landuse



FRESHWATER WETLANDS APPLICATION CHECKLIST
General Permit 6—Non-tributary wetlands

CALL NJDEP AT (609) 777-0454 IF YOU HAVE ANY QUESTIONS

To apply for an authorization under general permit 6, please submit the information below to:

Postal Mailing Address

NJ Department of Environmental Protection
 Division of Land Use Regulation
 P.O. Box 420, Code 501-02A
 Trenton, New Jersey 08625-0420
Attn: Application Support

Street Address (Courier & Hand Carry Only)

NJ Department of Environmental Protection
 Division of Land Use Regulation
 501 East State Street
 Station Plaza 5, 2nd Floor
 Trenton, New Jersey 08609
Attn: Application Support

Electronic Submission

Access the submission system at <https://njdeponline.com>. Follow the registration process and create an account. To submit an application, select the service "Apply for a Land Use Permit or Authorization."

CALL NJDEP AT (609) 777-0454 IF YOU HAVE ANY QUESTIONS

1. A completed application form (Paper submissions ONLY)

2. A completed Property Owner Certification form (Electronic submissions ONLY)
 - Acceptable file formats include pdf, jpg, and png.

3. Public notice:
 - **Electronic Submissions:** A completed Public Notice form. Documentation that notice of the application has been provided in accordance with N.J.A.C. 7:7A-17 must be attached to the form (see below for details). Acceptable file formats include pdf, jpg, and png.
 - **Paper Submissions:** Documentation that notice of the application has been provided in accordance with N.J.A.C. 7:7A-17 (see below for details).

Both electronic and paper submissions require documentation of public notice as follows:

i. Notice to municipal clerk (N.J.A.C. 7:7A-17.3(a))

A copy of the entire application, as submitted to the Department, must be provided to the municipal clerk in each municipality in which the site is located. For electronic submissions, the application consists of a description of the project, the specific permit(s)/authorization(s) being sought, and all items that will be uploaded to the online service, including all required items on this checklist.

- Documentation of compliance with this requirement shall consist of a copy of the certified United States Postal Service white mailing receipt, or other written receipt, for each copy of the application sent.

ii. Notice to governmental entities and property owners (N.J.A.C. 7:7A-17.3(b) and (c))

A brief description of the proposed project, a legible copy of the site plan, and the form notice letter described at N.J.A.C. 7:7A-17.3(e)1iii must be sent to the following recipients:

- A. The construction official of each municipality in which the site is located;
- B. The environmental commission, or other government agency with similar responsibilities, of each municipality in which the site is located;
- C. The planning board of each municipality in which the site is located;
- D. The planning board of each county in which the site is located;
- E. The local Soil Conservation District if the regulated activity or project will disturb 5,000 square feet or more of land; and

F. Adjacent property owners:

If the application is for one of the following projects (listed at N.J.A.C 7:7A-17.3(c)1-5), notice shall be sent to all owners of real property, including easements, located within 200 feet of any proposed above-ground structure, except for any conveyance lines suspended above the ground or small utility support structures (e.g. telephone poles):

- A linear project of one-half mile or longer
- A trail or boardwalk of one-half mile or longer
- A public project on a site of 50 acres or more
- An industrial or commercial project on a site of 100 acres or more
- A project to remove sediment or debris from a channel of one-half mile or longer

For any other project, notice shall be sent to all owners of real property, including easements, located within 200 feet of the site of the proposed regulated activity.

The owners of real property, including easements, shall be those on a list that was certified by the municipality, with a date of certification no more than one year prior to the date the application is submitted.

- Documentation of compliance with this requirement shall consist of:
 1. A copy of the certified United States Postal Service white mailing receipt for each public notice that was mailed, or other written receipt;
 2. A certified list of all owners of real property, including easements, located within 200 feet of the property boundary of the site (including name, mailing address, lot, and block) prepared by the municipality for each municipality in which the project is located. The date of certification of the list shall be no earlier than one year prior to the date the application is submitted to the Department; and
 3. A copy of the form notice letter.
- The form notice letter required under N.J.A.C. 7:7A-17.3(e)1iii shall read as follows:

"This letter is to provide you with legal notification that an application for an authorization under freshwater wetlands general permit 6 <<has been/will be>> submitted to the New Jersey Department of Environmental Protection, Division of Land Use Regulation for the development shown on the enclosed plan(s). A brief description of the proposed project follows: <<INSERT DESCRIPTION OF THE PROPOSED PROJECT>>

The complete permit application package can be reviewed at either the municipal clerk's office in the municipality in which the site subject to the application is located, or by appointment at the Department's Trenton Office. The Department of Environmental Protection welcomes comments and any information that you may provide concerning the proposed development and site. Please submit your written comments within 15 calendar days of receiving this letter to:

New Jersey Department of Environmental Protection
Division of Land Use Regulation
P.O. Box 420, Code 501-02A
Trenton, New Jersey 08625
Attn: (Municipality in which the property is located) Supervisor"

iii. Newspaper notice (N.J.A.C. 7:7A-17.4)

Newspaper notice, in the form of a legal notice or display advertisement in the official newspaper of the municipality(ies) in which the project site is located, or if no official newspaper exists, in a newspaper with general circulation in the municipality(ies), is required for the following projects:

- A. A linear project of one-half mile or longer
- B. A shore protection development, including beach nourishment, beach and dune maintenance, or dune creation of one-half mile or longer
- C. A public project on a site of 50 acres or more
- D. An industrial or commercial project on a site of 100 acres or more
- E. Maintenance dredging of a State navigation channel of one-half mile or longer

If your project is not one listed above, newspaper notice is not required.

- Documentation of newspaper notice shall consist of:
 - 1. A copy of the published newspaper notice; and
 - 2. The date and name of the newspaper in which notice was published.
- The newspaper notice may be either a legal notice or display advertisement and must read as follows:

"Take notice that an application for an authorization under freshwater wetlands general permit 6 <<has been/ will be>> submitted to the New Jersey Department of Environmental Protection, Division of Land Use Regulation for the development described below:

APPLICANT:

PROJECT NAME:

PROJECT DESCRIPTION:

PROJECT STREET ADDRESS:

BLOCK: LOT:

MUNICIPALITY: COUNTY:

The complete permit application package can be reviewed at either the municipal clerk's office in the municipality in which the site subject to the application is located, or by appointment at the Department's Trenton Office. The Department of Environmental Protection welcomes comments and any information that you may provide concerning the proposed development and site. Please submit your written comments within 15 calendar days of the date of this notice to:

New Jersey Department of Environmental Protection
Division of Land Use Regulation
P.O. Box 420, Code 501-02A
501 East State Street
Trenton, New Jersey 08625
Attn: (Municipality in which the property is located) Supervisor"

4. Application fees:

- **Electronic Submissions:** The appropriate application fee, as specified in N.J.A.C. 7:7A-18.1, payable through the online service via credit card or e-check, or to receive a bill, select "Bill Me" on the payment screen. Bills will be sent to the Fee Billing Contact identified in the service and must be paid directly to the Department of Treasury.
- **Paper Submissions:** The appropriate application fee, as specified in N.J.A.C. 7:7A-18.1, in the form of a check (personal, bank, certified, or attorney), money order, or government purchase order made payable to "Treasurer State of New Jersey."

5. Site plans:

All site plans must include the scale of the site plans, a north arrow, the name of the person who prepared the plans, date the site plans were prepared, and the applicant's name and the block, lot, and municipality in which the site is located. In addition, the site plans shall include the following information, both on and adjacent to the site, in accordance with N.J.A.C. 7:7A-16.7(a)4:

- i. Existing features:
 - A. Lot lines and right of-way lines;
 - B. Delineation of wetlands, transition areas, and State open waters;
 - C. Land cover and vegetation.
 - ii. Proposed regulated activities:
 - A. Changes in lot lines;
 - B. Size, location, and detail of non-tributary wetlands disturbance (temporary and permanent);
 - C. Size, location, and detail of any other proposed activities;
 - D. Details of any planting to restore temporarily disturbed areas in accordance with N.J.A.C. 7:7A-11.8.
 - iii. Topography:
 - A. Existing and proposed topography. All topography must reference NGVD or include the appropriate conversion factor to NGVD.
 - iv. Soil erosion and sediment control:
 - A. Details of any proposed soil erosion and sediment control measures.
- **Electronic Submissions:** Acceptable file formats include pdf and zip. Site plans must be certified in accordance with N.J.A.C. 7:7A-16.2(j) and prepared according to the Department's site plan specifications for electronic site plans. All plans must be digitally signed and sealed by a New Jersey licensed professional engineer, surveyor, or architect, as appropriate, pursuant to N.J.A.C. 13:40-7.2 through 7.4, with signatures and seals that meet the requirements of N.J.A.C. 13:40-8.1A. Site plans with electronic signatures, such as scans of site plans with a handwritten signature, will not be accepted.
 - **Paper Submissions:** Three sets of site plans, certified in accordance with N.J.A.C. 7:7A-16.2(j). Prior to issuance of any permit, the Department will require four to five sets of final site plans. The site plans must be signed and sealed by a New Jersey licensed professional engineer, surveyor, or architect, as appropriate, pursuant to N.J.A.C. 13:40-7.2 through 7.4.

6. Photographs:

- i. Color photographs depicting:
 - A. The existing site conditions; and

B. The location of the proposed disturbance.

ii. A photo location map showing the location and direction from which each photograph was taken.

- **Electronic Submissions:** Acceptable file formats include pdf, doc, docx, jpg, zip, ppt, and pptx.
- **Paper Submissions:** One set of photographs mounted on 8½-inch by 11-inch paper. Copies of photographs are acceptable provided they are color copies. Black and white copies of photographs are not acceptable.

7. A compliance statement that includes the following:

- A description of the characteristics of the site and the location of all proposed regulated activities, potential impacts from the construction process, and, as applicable, any monitoring or reporting methods that will be used;
- The total area, in acres, of wetlands and State open waters on the site before the regulated activity is performed, and the total area, in acres, of wetlands and State open waters, on the site that will remain after the regulated activity is performed;
- A list of all limits and requirements of general permit 6 at N.J.A.C. 7:7A-7.6 that apply to the proposed activities and an explanation of how the activities comply with each requirement;
- A list of all limits and requirements at N.J.A.C. 7:7A-5.7, Conditions applicable to an authorization pursuant to a general permit-by-certification or a general permit, that apply to the proposed activities and an explanation of how the activities comply with each requirement;
- If a site is known or suspected to be contaminated with toxic substances, and if the Department requests it, a laboratory analysis of representative samples of the soil or sediment on the site;
- Documentation regarding when the lot that is the subject of the general permit was created by subdivision;
- A history of the ownership of the property beginning June 30, 1988 to present;
- A listing of contiguous lots that were in common ownership with the lot on which the activities are proposed and the ownership history of each lot beginning June 30, 1988 to present;
- If the site is located in a municipality with the endangered plant known as swamp pink (*Helonias bullata*), which are listed in Known Locations of Swamp Pink in NJ, a signed statement from the applicant certifying that the proposed activities will not result in any direct or indirect adverse impacts to swamp pink or its documented habitat;
- If the site is located in a municipality with the endangered bog turtle (these municipalities are listed in Known Locations of Bog Turtles in NJ), a signed statement from the applicant, certifying that the proposed activities will not result in any direct or indirect adverse impacts to bog turtles or to their documented habitat; and
- If the site is located in an area designated a Wild and Scenic River, or under study for such designation, a letter from the National Park Service approving the proposed activities.

- **Electronic Submissions:** The compliance statement should be uploaded under the attachment type "Environmental Report with Site Location Maps." Acceptable file formats include pdf, doc, docx, rtf, and zip.

8. Color copies of the following maps:

- The tax map for the property;
- A copy of the portion of the county road map showing the property location; and
- A copy of the USGS quad map(s) that includes the site, with the site clearly outlined to scale.

- **Electronic Submissions:** The required maps should be uploaded with the compliance statement under the attachment type "Environmental Report with Site Location Maps." Acceptable file formats include pdf, doc, docx, rtf, and zip.

9. Location of wetlands:

The location of wetlands must be provided through one of the following:

- i. Documentation that a line delineation or line verification Letter of Interpretation (LOI) has been issued for the site; or
 - ii. All information necessary for a line delineation or line verification LOI as required by the appropriate LOI checklist, covering the portion of the site that will be affected by the general permit activity.
- **Electronic Submissions:** Acceptable file formats for an LOI include pdf, jpg, and png. If an appropriate LOI has not been issued for the site, the information required for a line delineation or line verification LOI should be included with the compliance statement under the attachment type "Environmental Report with Site Location Maps."

10. Calculations and analyses:

- i. If the project is a major development as defined by N.J.A.C. 7:8-1.2, a demonstration of compliance with the requirements of the Stormwater Management Rules, N.J.A.C. 7:8.

All calculations or analyses submitted as part of an application must include the certification set forth at N.J.A.C. 7:7-23.2(j). Any necessary stormwater calculations must be signed and sealed by a New Jersey licensed professional engineer.

- **Electronic Submissions:** Acceptable file formats include pdf, doc, docx, rtf, and zip unless stormwater calculations are necessary. Stormwater calculations must be digitally signed and sealed in accordance with N.J.A.C. 13:40-8.1A. Stormwater calculations with electronic signatures, such as scans of calculations with a handwritten signature, will not be accepted. Therefore, when calculations are necessary, the acceptable file formats are limited to pdf and zip.

11. Natural Heritage Program Letter:

A copy of an NJDEP, Office of Natural Lands Management Natural Heritage Database data request response for endangered or threatened species of flora or fauna, including a Landscape Map report, if available

- **Electronic Submissions:** Acceptable file formats include pdf, jpg, and png.

12. Mitigation:

- i. For permanent disturbance of freshwater wetlands and of State open waters, which are also waters of the United States, of less than 0.1 acres, a demonstration that all activities have been designed to avoid and minimize impacts to wetlands. If this demonstration is not provided, a mitigation plan that meets the requirements of N.J.A.C. 7:7A-11 must be submitted at least 90 calendar days before commencing any approved activities.
 - ii. For permanent disturbance of freshwater wetlands and of State open waters, which are also waters of the United States, of 0.1 acres or greater, a mitigation plan that meets the requirements of N.J.A.C. 7:7A-11 must be submitted at least 90 calendar days before commencing any approved activities.
- **Electronic Submissions:** If a mitigation plan is necessary and is available at the time of submission, the service will provide an attachment type for "Mitigation Proposal." Alternatively, it may be uploaded

separately at a later time through the service "Submit Additional Information for a Land Use Permit or Authorization." Acceptable file formats include pdf, doc, docx, rtf, and zip. If the demonstration that all activities have been designed to avoid and minimize impacts to wetlands is applicable, it should be included with the compliance statement and uploaded under the attachment type "Environmental Report with Site Location Maps."

13. Additional requirements:

- i. Correspondence from the United States Army Corps of Engineers (USEPA) designating the freshwater wetland or State open water as a water of the United States, if available – applies only if the proposed project will disturb freshwater wetlands and/or State open waters that are classified as a water of the United States
 - **Electronic Submissions:** Acceptable file formats include pdf, jpg, and png.
- ii. Proof of ownership, such as a deed, if available – applies only if the current owner purchased the property before June 30, 1988
 - **Electronic Submissions:** Acceptable file formats include pdf, jpg, and png.
- iii. A Phase IA historical and archaeological survey, and an architectural survey, defined at N.J.A.C. 7:7A-1.3 – applies only if the application reflects any of the characteristics at N.J.A.C. 7:7A-19.5(l)
 - **Electronic Submissions:** Acceptable file formats include pdf, doc, docx, rtf, and zip.
- iv. Highlands applicability determination (highlands exemption) – applies only if the project is located within the Highlands Preservation Area
 - **Electronic Submissions:** Acceptable file formats include pdf, jpg, and png.
- v. Conservation restriction – applies only if the proposed project is subject to an existing conservation restriction
 - **Electronic Submissions:** Acceptable file formats include pdf, jpg, and png.
- vi. Written consent from municipality – applies only if the project includes a gas pipeline and any section of that pipeline is located within a municipally-owned right-of-way. Written consent shall consist of one of the following:
 - A. Written consent from the municipality in the form of a resolution of the governing body or an ordinance
 - B. A municipal designation of the route pursuant to N.J.S.A. 48:9-25.4
 - C. A Board of Public Utilities designation of route pursuant to N.J.S.A. 48:9-25.4
 - **Electronic Submissions:** Acceptable file formats include pdf, jpg, and png.

14. A computer disk containing a copy of the entire application (Paper submissions ONLY)



FRESHWATER WETLANDS APPLICATION CHECKLIST

Transition area waiver – Special activity waiver

CALL NJDEP AT (609) 777-0454 IF YOU HAVE ANY QUESTIONS

To apply for a transition area waiver, please submit the information below to:

<u>Postal Mailing Address</u>	<u>Street Address (Courier & Hand Carry Only)</u>	<u>Electronic Submission</u>
NJ Department of Environmental Protection Division of Land Use Regulation P.O. Box 420, Code 501-02A Trenton, New Jersey 08625-0420 Attn: Application Support	NJ Department of Environmental Protection Division of Land Use Regulation 501 East State Street Station Plaza 5, 2 nd Floor Trenton, New Jersey 08609 Attn: Application Support	Access the submission system at https://njdeponline.com . Follow the registration process and create an account. To submit an application, select the service "Apply for a Land Use Permit or Authorization."

CALL NJDEP AT (609) 777-0454 IF YOU HAVE ANY QUESTIONS

1. A completed application form (Paper submissions ONLY)

2. A completed Property Owner Certification form (Electronic submissions ONLY)
 - Acceptable file formats include pdf, jpg, and png.

3. Public notice:
 - **Electronic Submissions:** A completed Public Notice form. Documentation that notice of the application has been provided in accordance with N.J.A.C. 7:7A-17 must be attached to the form (see below for details). Acceptable file formats include pdf, jpg, and png.
 - **Paper Submissions:** Documentation that notice of the application has been provided in accordance with N.J.A.C. 7:7A-17 (see below for details).

Both electronic and paper submissions require documentation of public notice as follows:

i. Notice to municipal clerk (N.J.A.C. 7:7A-17.3(a))

A copy of the entire application, as submitted to the Department, must be provided to the municipal clerk in each municipality in which the site is located. For electronic submissions, the application consists of a description of the project, the specific permit(s)/authorization(s) being sought, and all items that will be uploaded to the online service, including all required items on this checklist.

- Documentation of compliance with this requirement shall consist of a copy of the certified United States Postal Service white mailing receipt, or other written receipt, for each copy of the application sent.

ii. Notice to governmental entities and property owners (N.J.A.C. 7:7A-17.3(b) and (c))

A brief description of the proposed project, a legible copy of the site plan, and the form notice letter described at N.J.A.C. 7:7A-17.3(e)1iii must be sent to the following recipients:

- A. The construction official of each municipality in which the site is located;
- B. The environmental commission, or other government agency with similar responsibilities, of each municipality in which the site is located;
- C. The planning board of each municipality in which the site is located;
- D. The planning board of each county in which the site is located;
- E. The local Soil Conservation District if the regulated activity or project will disturb 5,000 square feet or more of land; and
- F. Adjacent property owners:

If the application is for one of the following projects (listed at N.J.A.C 7:7A-17.3(c)1-5), notice shall be sent to all owners of real property, including easements, located within 200 feet of any proposed above-ground structure, except for any conveyance lines suspended above the ground or small utility support structures (e.g. telephone poles):

- A linear project of one-half mile or longer
- A trail or boardwalk of one-half mile or longer
- A public project on a site of 50 acres or more
- An industrial or commercial project on a site of 100 acres or more
- A project to remove sediment or debris from a channel of one-half mile or longer

For any other project, notice shall be sent to all owners of real property, including easements, located within 200 feet of the site of the proposed regulated activity.

The owners of real property, including easements, shall be those on a list that was certified by the municipality, with a date of certification no more than one year prior to the date the application is submitted.

- Documentation of compliance with this requirement shall consist of:
 - 1. A copy of the certified United States Postal Service white mailing receipt for each public notice that was mailed, or other written receipt;
 - 2. A certified list of all owners of real property, including easements, located within 200 feet of the property boundary of the site (including name, mailing address, lot, and block) prepared by the municipality for each municipality in which the project is located. The date of certification of the list shall be no earlier than one year prior to the date the application is submitted to the Department; and
 - 3. A copy of the form notice letter.
- The form notice letter required under N.J.A.C. 7:7A-17.3(e)1iii shall read as follows:

"This letter is to provide you with legal notification that an application for a transition area waiver <<has been/will be>> submitted to the New Jersey Department of Environmental Protection, Division of Land Use Regulation for the development shown on the enclosed plan(s). A brief description of the proposed project follows: <<INSERT DESCRIPTION OF THE PROPOSED PROJECT>>

The complete permit application package can be reviewed at either the municipal clerk's office in the municipality in which the site subject to the application is located, or by appointment at the Department's Trenton Office. The Department of Environmental Protection welcomes comments and any information that you may provide concerning the proposed development and site. Please submit your written comments within 15 calendar days of receiving this letter to:

New Jersey Department of Environmental Protection
Division of Land Use Regulation
P.O. Box 420, Code 501-02A
Trenton, New Jersey 08625
Attn: (Municipality in which the property is located) Supervisor"

iii. Newspaper notice (N.J.A.C. 7:7A-17.4)

Newspaper notice, in the form of a legal notice or display advertisement in the official newspaper of the municipality(ies) in which the project site is located, or if no official newspaper exists, in a newspaper with general circulation in the municipality(ies), is required for the following projects:

- A. A linear project of one-half mile or longer
- B. A shore protection development, including beach nourishment, beach and dune maintenance, or dune creation of one-half mile or longer
- C. A public project on a site of 50 acres or more
- D. An industrial or commercial project on a site of 100 acres or more
- E. Maintenance dredging of a State navigation channel of one-half mile or longer

If your project is not one listed above, newspaper notice is not required.

- Documentation of newspaper notice shall consist of:
 - 1. A copy of the published newspaper notice; and
 - 2. The date and name of the newspaper in which notice was published.
- The newspaper notice may be either a legal notice or display advertisement and must read as follows:

"Take Notice that an application for a transition area waiver <<has been/ will be>> submitted to the New Jersey Department of Environmental Protection, Division of Land Use Regulation for the development described below:

APPLICANT:

PROJECT NAME:

PROJECT DESCRIPTION:

PROJECT STREET ADDRESS:

BLOCK: LOT:

MUNICIPALITY: COUNTY:

The complete permit application package can be reviewed at either the municipal clerk's office in the municipality in which the site subject to the application is located, or by appointment at the Department's Trenton Office. The Department of Environmental Protection welcomes comments and any information that you may provide concerning the proposed development and site. Please submit your written comments within 15 calendar days of the date of this notice to:

New Jersey Department of Environmental Protection
Division of Land Use Regulation
P.O. Box 420, Code 501-02A
501 East State Street
Trenton, New Jersey 08625
Attn: (Municipality in which the property is located) Supervisor"

4. Application fees:

- **Electronic Submissions:** The appropriate application fee, as specified in N.J.A.C. 7:7A-18.1, payable through the online service via credit card or e-check, or to receive a bill, select "Bill Me" on the payment screen. Bills will be sent to the Fee Billing Contact identified in the service and must be paid directly to the Department of Treasury.
- **Paper Submissions:** The appropriate application fee, as specified in N.J.A.C. 7:7A-18.1, in the form of a check (personal, bank, certified, or attorney), money order, or government purchase order made payable to "Treasurer State of New Jersey."

5. Site plans:

All site plans must include the scale of the site plans, a north arrow, the name of the person who prepared the plans, date the site plans were prepared, and the applicant's name and the block, lot, and municipality in which the site is located. In addition, the site plans shall include the following information, both on and adjacent to the site, in accordance with N.J.A.C. 7:7A-16.7(a)4:

- i. Existing features:
 - A. Lot Lines and right of-way lines;
 - B. Delineation of wetlands, transition areas, and State open waters;
 - C. Land cover and vegetation.
 - ii. Proposed regulated activities:
 - A. Changes in lot lines;
 - B. Location and area of any transition areas that will be disturbed;
 - C. Size, location, and detail of any proposed activities;
 - D. For a special activity transition area waiver, include the following:
 - 1) The location and extent of areas that are significantly disturbed so that they are not functioning as a transition area, including impervious surfaces; and
 - 2) The location and extent of proposed development and attendant features including but not limited to septic systems discharging onsite, stormwater outfalls, and proposed stormwater management measures;
 - E. Details of any planting to restore temporarily disturbed areas in accordance with N.J.A.C. 7:7A-11.8.
 - iii. Topography:
 - A. Existing and proposed topography. All topography must reference NGVD or include the appropriate conversion factor to NGVD.
 - iv. Soil erosion and sediment control:
 - A. Details of any proposed soil erosion and sediment control measures.
- **Electronic Submissions:** Acceptable file formats include pdf and zip. Site plans must be certified in accordance with N.J.A.C. 7:7A-16.2(j) and prepared according to the Department's site plan specifications for electronic site plans. All plans must be digitally signed and sealed by a New Jersey licensed professional engineer, surveyor, or architect, as appropriate, pursuant to N.J.A.C. 13:40-7.2 through 7.4, with signatures and seals that meet the requirements of N.J.A.C. 13:40-8.1A. Site plans with electronic signatures, such as scans of site plans with a handwritten signature, will not be accepted.
 - **Paper Submissions:** Three sets of site plans, certified in accordance with N.J.A.C. 7:7A-16.2(j). Prior to issuance of any permit, the Department will require four to five sets of final site plans. The site plans

must be signed and sealed by a New Jersey licensed professional engineer, surveyor, or architect, as appropriate, pursuant to N.J.A.C. 13:40-7.2 through 7.4.

6. Photographs:

- i. Color photographs depicting:
 - A. The existing site conditions; and
 - B. The location of the proposed disturbance.
- ii. A photo location map showing the location and direction from which each photograph was taken.

- **Electronic Submissions:** Acceptable file formats include pdf, doc, docx, jpg, zip, ppt, and pptx.
- **Paper Submissions:** One set of photographs mounted on 8½-inch by 11-inch paper. Copies of photographs are acceptable provided they are color copies. Black and white copies of photographs are not acceptable.

7. A compliance statement that includes:

- i. For a special activity transition area waiver for stormwater management under N.J.A.C. 7:7A-8.3(d), a written alternatives analysis that satisfies the requirements of N.J.A.C. 7:7A-8.3(c) and (d). The alternatives analysis must list the possible alternatives and explain why each was rejected;
 - ii. For a special activity transition area waiver for linear development under N.J.A.C. 7:7A-8.3(e), a written alternatives analysis that satisfies the requirements of N.J.A.C. 7:7A-8.3(c) and (e). The alternatives analysis must list the possible alternatives and explain why each was rejected;
 - iii. For a special activity transition area waiver for a project that would be eligible for an individual freshwater wetlands permit under N.J.A.C. 7:7A-8.3(g), the information required for an individual freshwater wetlands permit application at N.J.A.C. 7:7A-16.9 and the appropriate application checklist;
 - iv. If the site is located in a municipality with the endangered plant known as swamp pink (*Helonias bullata*), which are listed in Known Locations of Swamp Pink in NJ, a signed statement from the applicant certifying that the proposed activities will not result in any direct or indirect adverse impacts to swamp pink or its documented habitat;
 - v. If the site is located in a municipality with the endangered bog turtle (these municipalities are listed in Known Locations of Bog Turtles in NJ), a signed statement from the applicant, certifying that the proposed activities will not result in any direct or indirect adverse impacts to bog turtles or to their documented habitat;
 - vi. If the site is located in an area designated a Wild and Scenic River, or under study for such designation, a letter from the National Park Service approving the proposed activities;
 - vii. If the application reflects any of the characteristics at N.J.A.C. 7:7A-19.5(l), a Phase IA historical and archaeological survey, and an architectural survey, defined at N.J.A.C. 7:7A-1.3; and
 - viii. A copy of the deed and/or other legal documents pertaining to the site.
- **Electronic Submissions:** The compliance statement should be uploaded under the attachment type "Environmental Report with Site Location Maps." Acceptable file formats include pdf, doc, docx, rtf, and zip.

8. Color copies of the following maps:

- i. The tax map for the property;
- ii. A copy of the portion of the county road map showing the property location; and
- iii. A copy of the USGS quad map(s) that includes the site, with the site clearly outlined to scale.

- **Electronic Submissions:** The required maps should be uploaded with the compliance statement under the attachment type "Environmental Report with Site Location Maps." Acceptable file formats include pdf, doc, docx, rtf, and zip.

9. Location of wetlands:

Documentation that a line delineation or line verification Letter of Interpretation (LOI) has been issued for the site

- **Electronic Submissions:** Acceptable file formats include pdf, jpg, and png.

10. Calculations and analyses:

- i. If the project is a major development as defined by N.J.A.C. 7:8-1.2, a demonstration of compliance with the requirements of the Stormwater Management Rules, N.J.A.C. 7:8.

All calculations or analyses submitted as part of an application must include the certification set forth at N.J.A.C. 7:7-23.2(j). Any necessary stormwater calculations must be signed and sealed by a New Jersey licensed professional engineer.

- **Electronic Submissions:** Acceptable file formats include pdf, doc, docx, rtf, and zip unless stormwater calculations are necessary. Stormwater calculations must be digitally signed and sealed in accordance with N.J.A.C. 13:40-8.1A. Stormwater calculations with electronic signatures, such as scans of calculations with a handwritten signature, will not be accepted. Therefore, when calculations are necessary, the acceptable file formats are limited to pdf and zip.

11. Natural Heritage Program Letter:

A copy of an NJDEP, Office of Natural Lands Management Natural Heritage Database data request response for endangered or threatened species of flora or fauna, including a Landscape Map report, if available

- **Electronic Submissions:** Acceptable file formats include pdf, jpg, and png.

12. Mitigation:

For an activity that requires mitigation in accordance with N.J.A.C. 7:7A, the applicant may submit a mitigation proposal as part of the application for the individual permit. If the applicant does not submit a mitigation proposal with the application, the applicant must submit the mitigation proposal at least 90 calendar days before the start of activities authorized by the permit, in accordance with N.J.A.C. 7:7A-11.

- **Electronic Submissions:** If a mitigation proposal is available at the time of submission, the service will provide an attachment type for "Mitigation Proposal." Alternatively, it may be uploaded separately at a later time through the service "Submit Additional Information for a Land Use Permit or Authorization." Acceptable file formats include pdf, doc, docx, rtf, and zip.

13. Additional requirements:

- i. Aerial photo and/or approved site plans – applies only if the application is for a special activity transition area waiver for redevelopment and the disturbance in the area of the proposed activity was lawfully existing prior to July 1, 1989 or was previously permitted under N.J.A.C. 7:7A.

- **Electronic Submissions:** Acceptable file formats include pdf, doc, docx, jpg, zip, ppt, and pptx.

- ii. Highlands applicability determination (highlands exemption) – applies only if the project is located within the Highlands Preservation Area
 - **Electronic Submissions:** Acceptable file formats include pdf, jpg, and png.
- iii. Conservation restriction – applies only if the proposed project is subject to an existing conservation restriction
 - **Electronic Submissions:** Acceptable file formats include pdf, jpg, and png.
- iv. Written consent from municipality – applies only if the project includes a gas pipeline and any section of that pipeline is located within a municipally-owned right-of-way. Written consent shall consist of one of the following:
 - A. Written consent from the municipality in the form of a resolution of the governing body or an ordinance
 - B. A municipal designation of the route pursuant to N.J.S.A. 48:9-25.4
 - C. A Board of Public Utilities designation of route pursuant to N.J.S.A. 48:9-25.4
 - **Electronic Submissions:** Acceptable file formats include pdf, jpg, and png.

14. A computer disk containing a copy of the entire application (Paper submissions ONLY)



FRESHWATER WETLANDS APPLICATION CHECKLIST
Transition area waiver – Transition area averaging plan

CALL NJDEP AT (609) 777-0454 IF YOU HAVE ANY QUESTIONS

To apply for a transition area waiver, please submit the information below to:

<u>Postal Mailing Address</u>	<u>Street Address (Courier & Hand Carry Only)</u>	<u>Electronic Submission</u>
NJ Department of Environmental Protection Division of Land Use Regulation P.O. Box 420, Code 501-02A Trenton, New Jersey 08625-0420 Attn: Application Support	NJ Department of Environmental Protection Division of Land Use Regulation 501 East State Street Station Plaza 5, 2 nd Floor Trenton, New Jersey 08609 Attn: Application Support	Access the submission system at https://njdeponline.com . Follow the registration process and create an account. To submit an application, select the service "Apply for a Land Use Permit or Authorization."

CALL NJDEP AT (609) 777-0454 IF YOU HAVE ANY QUESTIONS

1. A completed application form (Paper submissions ONLY)

2. A completed Property Owner Certification form (Electronic submissions ONLY)
 - Acceptable file formats include pdf, jpg, and png.

3. Public notice:
 - **Electronic Submissions:** A completed Public Notice form. Documentation that notice of the application has been provided in accordance with N.J.A.C. 7:7A-17 must be attached to the form (see below for details). Acceptable file formats include pdf, jpg, and png.
 - **Paper Submissions:** Documentation that notice of the application has been provided in accordance with N.J.A.C. 7:7A-17 (see below for details).

Both electronic and paper submissions require documentation of public notice as follows:

- i. Notice to municipal clerk (N.J.A.C. 7:7A-17.3(a))

A copy of the entire application, as submitted to the Department, must be provided to the municipal clerk in each municipality in which the site is located. For electronic submissions, the application consists of a description of the project, the specific permit(s)/authorization(s) being sought, and all items that will be uploaded to the online service, including all required items on this checklist.

- Documentation of compliance with this requirement shall consist of a copy of the certified United States Postal Service white mailing receipt, or other written receipt, for each copy of the application sent.

ii. Notice to governmental entities and property owners (N.J.A.C. 7:7A-17.3(b) and (c))

A brief description of the proposed project, a legible copy of the site plan, and the form notice letter described at N.J.A.C. 7:7A-17.3(e)1iii must be sent to the following recipients:

- A. The construction official of each municipality in which the site is located;
- B. The environmental commission, or other government agency with similar responsibilities, of each municipality in which the site is located;
- C. The planning board of each municipality in which the site is located;
- D. The planning board of each county in which the site is located;
- E. The local Soil Conservation District if the regulated activity or project will disturb 5,000 square feet or more of land; and
- F. Adjacent property owners:

If the application is for one of the following projects (listed at N.J.A.C. 7:7A-17.3(c)1-5), notice shall be sent to all owners of real property, including easements, located within 200 feet of any proposed above-ground structure, except for any conveyance lines suspended above the ground or small utility support structures (e.g. telephone poles):

- A linear project of one-half mile or longer
- A trail or boardwalk of one-half mile or longer
- A public project on a site of 50 acres or more
- An industrial or commercial project on a site of 100 acres or more
- A project to remove sediment or debris from a channel of one-half mile or longer

For any other project, notice shall be sent to all owners of real property, including easements, located within 200 feet of the site of the proposed regulated activity.

The owners of real property, including easements, shall be those on a list that was certified by the municipality, with a date of certification no more than one year prior to the date the application is submitted.

- Documentation of compliance with this requirement shall consist of:
 1. A copy of the certified United States Postal Service white mailing receipt for each public notice that was mailed, or other written receipt;
 2. A certified list of all owners of real property, including easements, located within 200 feet of the property boundary of the site (including name, mailing address, lot, and block) prepared by the municipality for each municipality in which the project is located. The date of certification of the list shall be no earlier than one year prior to the date the application is submitted to the Department; and
 3. A copy of the form notice letter.
- The form notice letter required under N.J.A.C. 7:7A-17.3(e)1iii shall read as follows:

"This letter is to provide you with legal notification that an application for a transition area waiver <<has been/will be>> submitted to the New Jersey Department of Environmental Protection, Division of Land Use Regulation for the development shown on the enclosed plan(s). A brief description of the proposed project follows: <<INSERT DESCRIPTION OF THE PROPOSED PROJECT>>

The complete permit application package can be reviewed at either the municipal clerk's office in the municipality in which the site subject to the application is located, or by appointment at the Department's Trenton Office. The Department of Environmental Protection welcomes comments and any information that you may provide concerning the proposed development and site. Please submit your written comments within 15 calendar days of receiving this letter to:

New Jersey Department of Environmental Protection
Division of Land Use Regulation
P.O. Box 420, Code 501-02A
Trenton, New Jersey 08625
Attn: (Municipality in which the property is located) Supervisor"

iii. Newspaper notice (N.J.A.C. 7:7A-17.4)

Newspaper notice, in the form of a legal notice or display advertisement in the official newspaper of the municipality(ies) in which the project site is located, or if no official newspaper exists, in a newspaper with general circulation in the municipality(ies), is required for the following projects:

- A. A linear project of one-half mile or longer
- B. A shore protection development, including beach nourishment, beach and dune maintenance, or dune creation of one-half mile or longer
- C. A public project on a site of 50 acres or more
- D. An industrial or commercial project on a site of 100 acres or more
- E. Maintenance dredging of a State navigation channel of one-half mile or longer

If your project is not one listed above, newspaper notice is not required.

- Documentation of newspaper notice shall consist of:
 - 1. A copy of the published newspaper notice; and
 - 2. The date and name of the newspaper in which notice was published.
- The newspaper notice may be either a legal notice or display advertisement and must read as follows:

"Take notice that an application for a transition area waiver <<has been/ will be>> submitted to the New Jersey Department of Environmental Protection, Division of Land Use Regulation for the development described below:

APPLICANT:

PROJECT NAME:

PROJECT DESCRIPTION:

PROJECT STREET ADDRESS:

BLOCK: LOT:

MUNICIPALITY: COUNTY:

The complete permit application package can be reviewed at either the municipal clerk's office in the municipality in which the site subject to the application is located, or by appointment at the Department's Trenton Office. The Department of Environmental Protection welcomes comments and any information that you may provide concerning the proposed development and site. Please submit your written comments within 15 calendar days of the date of this notice to:

New Jersey Department of Environmental Protection
Division of Land Use Regulation
P.O. Box 420, Code 501-02A
501 East State Street
Trenton, New Jersey 08625
Attn: (Municipality in which the property is located) Supervisor"

4. Application fees:

- **Electronic Submissions:** The appropriate application fee, as specified in N.J.A.C. 7:7A-18.1, payable through the online service via credit card or e-check, or to receive a bill, select "Bill Me" on the payment screen. Bills will be sent to the Fee Billing Contact identified in the service and must be paid directly to the Department of Treasury.
- **Paper Submissions:** The appropriate application fee, as specified in N.J.A.C. 7:7A-18.1, in the form of a check (personal, bank, certified, or attorney), money order, or government purchase order made payable to "Treasurer State of New Jersey."

5. Site plans:

All site plans must include the scale of the site plans, a north arrow, the name of the person who prepared the plans, date the site plans were prepared, and the applicant's name and the block, lot, and municipality in which the site is located. In addition, the site plans shall include the following information, both on and adjacent to the site, in accordance with N.J.A.C. 7:7A-16.7(a)4:

- i. Existing features:
 - A. Lot Lines and right of-way lines;
 - B. Delineation of wetlands, transition areas, and State open waters;
 - C. Land cover and vegetation.
 - ii. Proposed regulated activities:
 - A. Changes in lot lines;
 - B. Location and area of any transition areas that will be disturbed;
 - C. Size, location, and detail of any proposed activities;
 - D. The proposed area in which the standard transition area will be reduced, and the proposed area that will be added to the transition area as compensation;
 - E. Details of any planting to restore temporarily disturbed areas in accordance with N.J.A.C. 7:7A-11.8.
 - iii. Topography:
 - A. Existing and proposed topography. All topography must reference NGVD or include the appropriate conversion factor to NGVD.
 - iv. Soil erosion and sediment control:
 - A. Details of any proposed soil erosion and sediment control measures.
- **Electronic Submissions:** Acceptable file formats include pdf and zip. Site plans must be certified in accordance with N.J.A.C. 7:7A-16.2(j) and prepared according to the Department's site plan specifications for electronic site plans. All plans must be digitally signed and sealed by a New Jersey licensed professional engineer, surveyor, or architect, as appropriate, pursuant to N.J.A.C. 13:40-7.2 through 7.4, with signatures and seals that meet the requirements of N.J.A.C. 13:40-8.1A. Site plans with electronic signatures, such as scans of site plans with a handwritten signature, will not be accepted.
 - **Paper Submissions:** Three sets of site plans, certified in accordance with N.J.A.C. 7:7A-16.2(j). Prior to issuance of any permit, the Department will require four to five sets of final site plans. The site plans must be signed and sealed by a New Jersey licensed professional engineer, surveyor, or architect, as appropriate, pursuant to N.J.A.C. 13:40-7.2 through 7.4.

6. Photographs:

- i. Color photographs depicting:
 - A. The existing site conditions; and
 - B. The location of the proposed disturbance.
 - ii. A photo location map showing the location and direction from which each photograph was taken.
- **Electronic Submissions:** Acceptable file formats include pdf, doc, docx, jpg, zip, ppt, and pptx.
 - **Paper Submissions:** One set of photographs mounted on 8½-inch by 11-inch paper. Copies of photographs are acceptable provided they are color copies. Black and white copies of photographs are not acceptable.

7. A compliance statement that includes:

- i. The total square footage of the standard transition area, determined in accordance with N.J.A.C. 7:7A-3.3;
 - ii. The total square footage of transition area to be disturbed by the proposed project, including grading;
 - iii. The total square footage by which the transition area will be reduced, and the total square footage of increased transition area which will be provided in compensation for the reduction;
 - iv. If the site is located in a municipality with the endangered plant known as swamp pink (*Helonias bullata*), which are listed in Known Locations of Swamp Pink in NJ, a signed statement from the applicant certifying that the proposed activities will not result in any direct or indirect adverse impacts to swamp pink or its documented habitat;
 - v. If the site is located in a municipality with the endangered bog turtle (these municipalities are listed in Known Locations of Bog Turtles in NJ), a signed statement from the applicant, certifying that the proposed activities will not result in any direct or indirect adverse impacts to bog turtles or to their documented habitat;
 - vi. If the site is located in an area designated a Wild and Scenic River, or under study for such designation, a letter from the National Park Service approving the proposed activities;
 - vii. If the application reflects any of the characteristics at N.J.A.C. 7:7A-19.5(l), a Phase IA historical and archaeological survey, and an architectural survey, defined at N.J.A.C. 7:7A-1.3; and
 - viii. A copy of the deed and/or other legal documents pertaining to the site.
- **Electronic Submissions:** The compliance statement should be uploaded under the attachment type "Environmental Report with Site Location Maps." Acceptable file formats include pdf, doc, docx, rtf, and zip.

8. Color copies of the following maps:

- i. The tax map for the property;
 - ii. A copy of the portion of the county road map showing the property location; and
 - iii. A copy of the USGS quad map(s) that includes the site, with the site clearly outlined to scale.
- **Electronic Submissions:** The required maps should be uploaded with the compliance statement under the attachment type "Environmental Report with Site Location Maps." Acceptable file formats include pdf, doc, docx, rtf, and zip.

9. Location of wetlands:

Documentation that a line delineation or line verification Letter of Interpretation (LOI) has been issued for the site

- **Electronic Submissions:** Acceptable file formats include pdf, jpg, and png.

10. Calculations and analyses:

- i. If the project is a major development as defined by N.J.A.C. 7:8-1.2, a demonstration of compliance with the requirements of the Stormwater Management Rules, N.J.A.C. 7:8.

All calculations or analyses submitted as part of an application must include the certification set forth at N.J.A.C. 7:7-23.2(j). Any necessary stormwater calculations must be signed and sealed by a New Jersey licensed professional engineer.

- **Electronic Submissions:** Acceptable file formats include pdf, doc, docx, rtf, and zip unless stormwater calculations are necessary. Stormwater calculations must be digitally signed and sealed in accordance with N.J.A.C. 13:40-8.1A. Stormwater calculations with electronic signatures, such as scans of calculations with a handwritten signature, will not be accepted. Therefore, when calculations are necessary, the acceptable file formats are limited to pdf and zip.

11. Natural Heritage Program Letter:

A copy of an NJDEP, Office of Natural Lands Management Natural Heritage Database data request response for endangered or threatened species of flora or fauna, including a Landscape Map report, if available

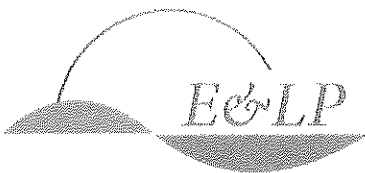
- **Electronic Submissions:** Acceptable file formats include pdf, jpg, and png.

12. Additional requirements:

- i. Highlands applicability determination (highlands exemption) – applies only if the project is located within the Highlands Preservation Area
 - **Electronic Submissions:** Acceptable file formats include pdf, jpg, and png.
- ii. Conservation restriction – applies only if the proposed project is subject to an existing conservation restriction
 - **Electronic Submissions:** Acceptable file formats include pdf, jpg, and png.
- iii. Written consent from municipality – applies only if the project includes a gas pipeline and any section of that pipeline is located within a municipally-owned right-of-way. Written consent shall consist of one of the following:
 - A. Written consent from the municipality in the form of a resolution of the governing body or an ordinance
 - B. A municipal designation of the route pursuant to N.J.S.A. 48:9-25.4
 - C. A Board of Public Utilities designation of route pursuant to N.J.S.A. 48:9-25.4
 - **Electronic Submissions:** Acceptable file formats include pdf, jpg, and png.

13. A computer disk containing a copy of the entire application (Paper submissions ONLY)

APPENDIX B –
PHOTO-DOCUMENTATION OF SITE



BHT Andover
Andover Township, Sussex County, New Jersey
October 23, 2019



Photo 1: View looking to the east at Stickles Pond from the asphalt runway.



Photo 2: View looking to the north from the eastern end of the asphalt runway.

BHT Andover
Andover Township, Sussex County, New Jersey
October 23, 2019



Photo 3: View looking to the northeast along the Pequest River.



Photo 4: View looking to the southwest along the Pequest River.

BHT Andover
Andover Township, Sussex County, New Jersey
October 23, 2019



Photo 5: View looking to the southeast toward the eastern part of the asphalt runway.



Photo 6: View looking to the northwest from the clearing in the center of the property.

BHT Andover
Andover Township, Sussex County, New Jersey
October 23, 2019



Photo 7: View looking to the southwest from the clearing in the center of the property.



Photo 8: View looking to the west from the clearing in the center of the property.

BHT Andover
Andover Township, Sussex County, New Jersey
October 23, 2019



Photo 9: View looking to the northeast on the asphalt runway.



Photo 10: View looking to the southwest on the asphalt runway.

BHT Andover
Andover Township, Sussex County, New Jersey
October 23, 2019



Photo 11: View looking to the northwest from the middle of the runway.



Photo 12: View looking to the north from the western part of the runway.

BHT Andover
Andover Township, Sussex County, New Jersey
October 23, 2019



Photo 13: View looking to the northwest from the western part of the runway.



Photo 14: View looking to the west from the western part of the runway.

BHT Andover
Andover Township, Sussex County, New Jersey
October 23, 2019



Photo 15: View looking to the southwest from the western part of the runway.

APPENDIX C –
200 FOOT PROPERTY OWNER NOTIFICATIONS



**ANDOVER TOWNSHIP
TAX ASSESSOR
134 NEWTON SPARTA ROAD
NEWTON, NJ 07869**

Nicole Garon
ELP Inc.
140 West Main Street
High Bridge, NJ 08829

September 10, 2019

Re: 200 ft List
Block 151, Lot 21

Dear Ms. Garon,

Attached is the certified list of property owners within 200' of the above-mentioned property as requested. .

Also, please notify all of the appropriate utility companies.

Sincerely,


Jack Marchione
Tax Assessor

OWNER & ADDRESS REPORT

ANDOVER TWP

BLOCK 151, LOT21

09/10/19 Page 1

BLOCK	LOT	QUAL	CLA	PROPERTY OWNER	PROPERTY LOCATION	Add'l Lots
134	1.01		2	DIETZ, JOSEPH 255 STICKLES POND RD NEWTON, NJ 07860	255 STICKLES POND RD	
134	1.02		2	PICONE, ALFONSO 4 BERNARD DR NEWTON, NJ 07860	4 BERNARD DR	
134	1.03		2	SANTOS, JORGE & ALISHA 2 VIVIAN PLZ NEWTON, NJ 07860	2 VIVIAN PLZ	
134	1.04		2	SADOWSKI, CHARLES & PATRICIA A 4 VIVIAN PLZ NEWTON, NJ 07860	4 VIVIAN PLZ	
134	2		2	WILLIAMS, JOHN J 257 STICKLES POND RD NEWTON, NJ 07860	257 STICKLES POND RD	
134	3		2	IBRANYI, EILEEN 259 STICKLES POND RD NEWTON, NJ 07860	259 STICKLES POND RD	
134	7		2	FIORY, SUSAN & BURKE, KENNETH 142 LIMECREST RD ANDOVER, NJ 07821	265 STICKLES POND RD	4 (MERGED BY DEED)
134	8		2	SCARDINO, VINCENT & ROSEMARIE 269 STICKLES POND RD NEWTON, NJ 07860	269 STICKLES POND RD	
134	9		1	ROCK MOUNTAIN, LLC ONE GREAT MEADOW LN EAST HANOVER, NJ 07936	275 STICKLES POND RD	
134	9.01		2	IZEIROSKI, NEDZAT, RUZDIJA, IREMSA 279 STICKLES POND RD NEWTON, NJ 07860	279 STICKLES POND RD	
146	1.01		2	WILSON, JUDITH M 621 RT 94S NEWTON, NJ 07860	4 MT NEBO DR	
146	2		1	RANNOU, KRISTA 22 PEREGRINE PT NEWTON, NJ 07860	STICKLES POND RD	
146	3		1	KROPYWYCKJ, LUCAS 24 HISSLIN RD GREAT MEADOWS, NJ 07838	249 STICKLES POND RD	
146	4		2	WITYRIEN, GERY 3 BERNARD DR NEWTON, NJ 07860	3 BERNARD DR	
146	5		2	ROWLAND, DAVID & KRISTA 5 BERNARD DR NEWTON, NJ 07860	5 BERNARD DR	
146	6		2	TESTA, THOMAS J 9 BERNARD DR NEWTON, NJ 07860	9 BERNARD DR	
146	7		1	RANNOU, KRISTA 22 PEREGRINE PT NEWTON, NJ 07860	STICKLES POND RD	
147	1		2	METZGAR, LARRY 11 ARTHUR AVE NEWTON, NJ 07860	201 STICKLES POND RD	
147	2.02		2	DEBEK, LUKASZ 207 STICKLES POND RD NEWTON, NJ 07860	207 STICKLES POND RD	

OWNER & ADDRESS REPORT

ANDOVER TWP

BLOCK 151, LOT21

09/10/19 Page 2

BLOCK	LOT	QUAL	CLA	PROPERTY OWNER	PROPERTY LOCATION	Add'l Lots
147	2.03		2	HAPPEL, JANET C 3 MOUNT NEBO RD NEWTON, NJ 07860	3 MT NEBO DR	
147	2.04		2	TABARANZA, VIVIAN C 6 WESTVIEW TERR NEWTON, NJ 07860	6 WESTVIEW TERR	
150	1		15F	MULLANEY, JOSEPH JR 101 WEST LAKEVIEW RD NEWTON, NJ 07860	101 WEST LAKEVIEW RD	
150	2		2	POST, TERESA A & WILLIAM R 105 W LAKEVIEW RD NEWTON, NJ 07860	105 WEST LAKEVIEW RD	
151	11		2	CITRO, MICHAEL & PEGGY 109 W SUNSET BLVD NEWTON, NJ 07860	109 WEST SUNSET BLVD	
151	12		2	NORTON, ANN M 107 WEST SUNSET BLVD NEWTON, NJ 07860	107 WEST SUNSET BLVD	
151	16		4A	ONEWAY FOCUSED HOLDINGS, LLC 54 FARMBROOK RD SPARTA, NJ 07871	453 & 451 RT 206	
151	17		4B	ALEX CABLE, INC 56 SPARTA AVE ATTN:ACCTNG NEWTON, NJ 07860	437 & 435 RT 206	
151	20		1	290 STICKLES POND ROAD, LLC 25 WILLOUGHBY PATH EAST NORTHPORT, NY 11731	290 STICKLES POND RD	
151	21		4A	PUBLIC SERVICE ELECTRIC & GAS CO 80 PARK PLAZA, 6B NEWARK, NJ 07102	248 STICKLES POND RD	
151	21	QFARM	3B	PUBLIC SERVICE ELECTRIC & GAS CO 80 PARK PLAZA, 6B NEWARK, NJ 07102	248 STICKLES POND RD	
151	22	QFARM	3B	ST PAULS ABBEY PO BOX 7 NEWTON, NJ 07860	RT 206	
151	22	X	15D	ST PAULS ABBEY PO BOX 7 NEWTON, NJ 07860	RT 206	

**UTILITIES THAT MUST BE CONTACTED REGARDING EASEMENTS
ANDOVER TOWNSHIP, NEW JERSEY**

CenturyLink
101 Walnut Bottom Rd
PO Box 4000
Carlisle PA 17013

Jersey Central Power & Light
300 Madison Ave.

PO Box 1911
Morristown NJ 07962-1911

NUI Utilities/Elizabethtown Gas
1 Elizabethtown Plaza
Union NJ 07083

Forest Lakes Water Company
PO Box 264
Andover NJ 07821

Lake Lenape Water Company
83 Eagle Chase
Woodbury NY 11797

Newton Water & Sewer Utility
39 Trinity St
Newton NJ 07860

Service Electric Cable of New Jersey
320 Sparta Ave
Sparta NJ 07871

United Water Company
PO Box 1190
Highland Lakes NJ 07422

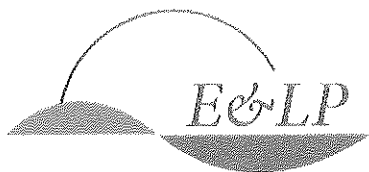
Properties that are adjacent to a County Road must also contact:

Sussex County Planning Board
One Spring St
Newton NJ 07860

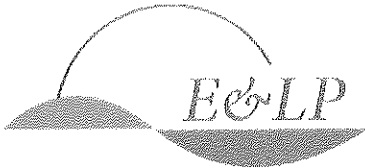
Properties that are adjacent to a State Highway must also contact:

State of New Jersey
Commissioner of Transportation
PO Box 600
Trenton NJ 08625-0600

APPENDIX D -
NJDEP PERMIT PLAN (BOUND SEPARATELY)



APPENDIX E —
NATURAL HERITAGE DATABASE REPORT







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

October 10, 2019

Denis Ackermann
Engineering & Land Planning Associates, Inc.
140 West Main Street
High Bridge, NJ 08829

Re: BHT - Andover
Block(s) - 151, Lot(s) - 21
Andover Township, Sussex County

Dear Mr. Ackermann:

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

NHP File No. 19-4107417-17750

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.

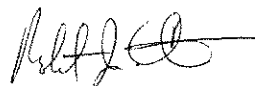
Beginning May 9, 2017, the Natural Heritage Program reports for wildlife species will utilize data from Landscape Project Version 3.3. If you have questions concerning the wildlife records or wildlife species mentioned in this response, we recommend that you visit the interactive web application at the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

c: NHP File No. 19-4107417-17750

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

<u>Report Name</u>	<u>Included</u>	<u>Number of Pages</u>
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	Yes	3 page(s) included
4. Vernal Pool Habitat on the Project Site Based on Search of Landscape Project 3.3	Yes	1 page(s) 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

**Rare Wildlife Species or Wildlife Habitat on 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	Strank
<i>Amphibia</i>	Jefferson Salamander	Ambystoma jeffersonianum	Occupied Habitat	2	NA	Special Concern	G4	S3
	Jefferson Salamander	Ambystoma jeffersonianum	On Road	2	NA	Special Concern	G4	S3
	Marbled Salamander	Ambystoma opacum	Occupied Habitat	2	NA	Special Concern	G5	S3
	Bald Eagle	Haliaeetus leucocephalus	Foraging	4	NA	State Endangered	G5	S1B,S2N
<i>Aves</i>	Barred Owl	Strix varia	Breeding Sighting	3	NA	State Threatened	G5	S2B,S2N
	Brown Thrasher	Toxostoma rufum	Breeding Sighting	2	NA	Special Concern	G5	S3B,S4N
	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
	Long-eared Owl	Asio otus	Non-breeding Sighting	3	NA	State Threatened	G5	S2B,S2N
	Wood Thrush	Hylocichla mustelina	Breeding Sighting	2	NA	Special Concern	G4	S3B,S4N
	Worm-eating Warbler	Helminthos vermivorum	Breeding Sighting	2	NA	Special Concern	G5	S3B,S4N
<i>Insecta</i>								

**Rare Wildlife Species or Wildlife Habitat on 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	Strank
	Arrowhead Spiketail	Cordulegaster obliqua	Foraging	2	NA	Special Concern	G4	S3
	Kennedy's Emerald	Somatochlora kennedyi	Breeding/Courtship	3	NA	State Threatened	G5	S2
	Kennedy's Emerald	Somatochlora kennedyi	Territorial Display	3	NA	State Threatened	G5	S2
	Northern Metalmark	Calephelis borealis	Casual Flyby	2	NA	Special Concern	G3G4	S3
<i>Mammalia</i>								
	Bobcat	Lynx rufus	Capture Location	4	NA	State Endangered	G5	S2
	Bobcat	Lynx rufus	Live Individual Sighting	4	NA	State Endangered	G5	S2
	Bobcat	Lynx rufus	On Road	4	NA	State Endangered	G5	S2
	Bobcat	Lynx rufus	Physical evidence	4	NA	State Endangered	G5	S2
	Bobcat	Lynx rufus	Telemetry: Home Range	4	NA	State Endangered	G5	S2
	Indiana Bat	Myotis sodalis	Active Season Sighting	5	Federally Listed Endangered	State Endangered	G2	S1
	Indiana Bat	Myotis sodalis	Maternity Colony	5	Federally Listed Endangered	State Endangered	G2	S1

**Rare Wildlife Species or Wildlife Habitat on 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	Strank
	Indiana Bat	Myotis sodalis	Roost Site	5	Federally Listed Endangered	State Endangered	G2	S1

**Vernal Pool Habitat on the
Project Site Based on Search of
Landscape Project 3.3**

Vernal Pool Habitat Type

Vernal Pool Habitat ID

Vernal habitat area

3086

Total number of records:

1

**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>					
Cucullia alfarata	A Moth			G4	S2?
Polites mystic	Long Dash			G5	S3?
Seyritum edwardsii	Edwards' Hairstreak			G5	S3
Total number of records:				3	

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

<u>Report Name</u>	<u>Included</u>	<u>Number of Pages</u>
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	Yes	1 page(s) included
2. Natural Heritage Priority Sites within the Immediate Vicinity	Yes	See emailed attachments
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	3 page(s) included
4. Vernal Pool Habitat In the Immediate Vicinity of Project Site Based on Search of Landscape Project 3.3	Yes	1 page(s) 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

**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**

Scientific Name	Common Name	Federal Protection Status	State Protection Status	Regional Status	Grank	Srank	Identified	Last Observed	Location
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Vascular Plants

Carex buxbaunii	Brown Sedge			HL	G5	S3	Y	1984-06-14	Sickle Pond, southeast of Newton, Sussex County.
Carex hitchcockiana	Hitchcock's Sedge			HL	G5	S3	Y	1920-06-15	Sickle Pond, Newton.
Total number of records:								2	

Terrestrial Community - Other Classification

Dry-mesic calcareous forest	Dry-mesic Calcareous Forest				G3G4	S2?	Y	1997-08-25	0.3 to 1.2 miles SE of Springdale.
Total number of records:								1	

**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	Strank	
<i>Amphibia</i>	Jefferson Salamander	<i>Ambystoma jeffersonianum</i>	Occupied Habitat	2	NA	Special Concern	G4	S3	
	Jefferson Salamander	<i>Ambystoma jeffersonianum</i>	On Road	2	NA	Special Concern	G4	S3	
	Jefferson Salamander	<i>Ambystoma jeffersonianum</i>	Vernal Pool Non-breeding	2	NA	Special Concern	G4	S3	
	Longtail Salamander	<i>Eurycea longicauda longicauda</i>	Occupied Habitat	3	NA	State Threatened	G5T5	S2	
	Marbled Salamander	<i>Ambystoma opacum</i>	Occupied Habitat	2	NA	Special Concern	G5	S3	
	<i>Aves</i>	Bald Eagle	<i>Haliaeetus leucocephalus</i>	Foraging	4	NA	State Endangered	G5	S1B,S2N
		Barn Owl	<i>Strix varia</i>	Breeding Sighting	3	NA	State Threatened	G5	S2B,S2N
		Brown Thrasher	<i>Toxostoma rufum</i>	Breeding Sighting	2	NA	Special Concern	G5	S3B,S4N
		Cooper's Hawk	<i>Accipiter cooperii</i>	Breeding Sighting	2	NA	Special Concern	G5	S3B,S4N
		Great Blue Heron	<i>Ardea herodias</i>	Foraging	2	NA	Special Concern	G5	S3B,S4N
Long-eared Owl		<i>Asio otus</i>	Non-breeding Sighting	3	NA	State Threatened	G5	S2B,S2N	
Wood Thrush		<i>Hylocichla mustelina</i>	Breeding Sighting	2	NA	Special Concern	G4	S3B,S4N	
Worm-eating Warbler		<i>Helminthos vermivorum</i>	Breeding Sighting	2	NA	Special Concern	G5	S3B,S4N	

**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	Strank
<i>Insecta</i>	Arrowhead Spiketail	<i>Cordulegaster obliqua</i>	Foraging	2	NA	Special Concern	G4	S3
	Brush-tipped Emerald	<i>Somatochlora walshii</i>	Territorial Display	2	NA	Special Concern	G5	S3
	Kennedy's Emerald	<i>Somatochlora kennedyi</i>	Breeding/Courtship	3	NA	State Threatened	G5	S2
	Kennedy's Emerald	<i>Somatochlora kennedyi</i>	Territorial Display	3	NA	State Threatened	G5	S2
	Northern Metalmark	<i>Calephebis borealis</i>	Casual Flyby	2	NA	Special Concern	G3G4	S3
	Bobcat	<i>Lynx rufus</i>	Capture Location	4	NA	State Endangered	G5	S2
	Bobcat	<i>Lynx rufus</i>	Live Individual Sighting	4	NA	State Endangered	G5	S2
	Bobcat	<i>Lynx rufus</i>	On Road	4	NA	State Endangered	G5	S2
	Bobcat	<i>Lynx rufus</i>	Physical evidence	4	NA	State Endangered	G5	S2
	Bobcat	<i>Lynx rufus</i>	Telemetry: Home Range	4	NA	State Endangered	G5	S2
Indiana Bat	<i>Myotis sodalis</i>	Active Season Sighting	5	Federally Listed Endangered	State Endangered	G2	S1	

**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
	Indiana Bat	Myotis sodalis	Maternity Colony	5	Federally Listed Endangered	State Endangered	G2	S1
	Indiana Bat	Myotis sodalis	Roost Site	5	Federally Listed Endangered	State Endangered	G2	S1

**Vernal Pool Habitat
In the Immediate Vicinity of
Project Site Based on Search of
Landscape Project 3.3**

Vernal Pool Habitat Type

Vernal Pool Habitat ID

Vernal habitat area

3086

Total number of records: 1

**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
<i>Invertebrate Animals</i>					
Cucullia alfarata	A Moth			G4	S2?
Polites mystic	Long Dash			G5	S3?
Sayornis edwardsii	Edwards' Hairstreak			G5	S3
Total number of records:				3	

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

<u>Report Name</u>	<u>Included</u>	<u>Number of Pages</u>
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	Yes	1 page(s) included
2. Natural Heritage Priority Sites for Riparian Zone Width Determination - Within One Mile of the Project Site	Yes	See emailed attachments
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	4 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	Yes	1 page(s) included

**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**

Scientific Name	Common Name	Federal Protection Status	State Protection Status	Regional Status	Grank	Strank	Identified	Last Observed
<i>Andromeda polifolia</i> var. <i>glaucophylla</i>	Bog Rosemary	E		LP, HL	G5T5	S1	Y	2007-06-19
<i>Aster borealis</i>	Rush Aster	E		LP, HL	G5	S1	Y	2007-06-19
<i>Carex aquatilis</i>	Water Sedge	E		LP, HL	G5	S1	Y	2007-06-19
<i>Carex lupuliformis</i>	Hop-like Sedge	E		LP, HL	G4	S1	Y	1997-10-14
<i>Galium labradoricum</i>	Labrador Marsh Bedstraw	E		LP, HL	G5	S1	Y	1984-??-??
<i>Rhododendron canadense</i>	Rhodora	E		LP, HL	G5	S1	Y	2007-06-19
<i>Sagittaria cuneata</i>	Arrow-leaf Arrowhead	E		LP, HL	G5	S1	Y	2007-09-18
<i>Salix pedicellaris</i>	Bog Willow	E		LP, HL	G5	S1	Y	1991-05-17
<i>Salix pedicellaris</i>	Bog Willow	E		LP, HL	G5	S1	Y	2012-06-28
<i>Schoenoplectus torreyi</i>	Torrey's Bulrush	E		LP, HL	G5?	S1	Y	2007-09-18
<i>Solidago rigida</i> var. <i>rigida</i>	Prairie Goldenrod	E		LP, HL	G5T5	S1	Y	2004-10-26
<i>Thuja occidentalis</i>	Arborvitae	E		LP, HL	G5	S1	Y	2007-06-19
<i>Triglochin maritima</i>	Seaside Arrow-grass	E		LP, HL	G5	S1	Y	2007-06-19
<i>Trollius laxus</i> ssp. <i>laxus</i>	Spreading Globe Flower	E		LP, HL	G5T3	S1	Y	1986-05-03

Total number of records: 14

**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>Amphibia</i>	Jefferson Salamander	Ambystoma jeffersonianum	Occupied Habitat	2	NA	Special Concern	G4	S3	
	Jefferson Salamander	Ambystoma jeffersonianum	On Road	2	NA	Special Concern	G4	S3	
	Jefferson Salamander	Ambystoma jeffersonianum	Vernal Pool Breeding	2	NA	Special Concern	G4	S3	
	Jefferson Salamander	Ambystoma jeffersonianum	Vernal Pool Non-breeding	2	NA	Special Concern	G4	S3	
	Longtail Salamander	Eurycea longicauda longicauda	Occupied Habitat	3	NA	State Threatened	G5T5	S2	
	Longtail Salamander	Eurycea longicauda longicauda	Vernal Pool Non-breeding	3	NA	State Threatened	G5T5	S2	
	Marbled Salamander	Ambystoma opacum	Occupied Habitat	2	NA	Special Concern	G5	S3	
	Marbled Salamander	Ambystoma opacum	Vernal Pool Breeding	2	NA	Special Concern	G5	S3	
	<i>Aves</i>	Bald Eagle	Haliaeetus leucocephalus	Foraging	4	NA	State Endangered	G5	\$1B, \$2N
		Barred Owl	Strix varia	Breeding Sighting	3	NA	State Threatened	G5	\$2B, \$2N

**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	Strank
	Brown Thrasher	Toxostoma rufum	Breeding Sighting	2	NA	Special Concern	G5	S3B,S4N
	Cooper's Hawk	Accipiter cooperii	Breeding Sighting	2	NA	Special Concern	G5	S3B,S4N
	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
	Great Blue Heron	Ardea herodias	Nesting Colony	2	NA	Special Concern	G5	S3B,S4N
	Hooded Warbler	Wilsonia citrina	Breeding Sighting	2	NA	Special Concern	G5	S3B,S4N
	Least Bittern	Ixobrychus exilis	Breeding Sighting-Confirmed	2	NA	Special Concern	G5	S3B,S3N
	Long-eared Owl	Asio otus	Non-breeding Sighting	3	NA	State Threatened	G5	S2B,S2N
	Red-headed Woodpecker	Melanerpes erythrocephalus	Breeding Sighting	3	NA	State Threatened	G5	S2B,S2N
	Veery	Catharus fuscescens	Breeding Sighting	2	NA	Special Concern	G5	S3B,S4N
	Wood Thrush	Hylocichla mustelina	Breeding Sighting	2	NA	Special Concern	G4	S3B,S4N

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>Insecta</i>	Worm-eating Warbler	Helmintheros vermivorum	Breeding Sighting	2	NA	Special Concern	G5	S3B,S4N
	Arrowhead Spiketail	Cordulegaster obliqua	Foraging	2	NA	Special Concern	G4	S3
	Brush-tipped Emerald	Somatochlora walshii	Territorial Display	2	NA	Special Concern	G5	S3
	Kennedy's Emerald	Somatochlora kennedyi	Breeding/Courtship	3	NA	State Threatened	G5	S2
	Kennedy's Emerald	Somatochlora kennedyi	Territorial Display	3	NA	State Threatened	G5	S2
	Northern Metalmark	Calephelis borealis	Breeding/Courtship	2	NA	Special Concern	G3G4	S3
	Northern Metalmark	Calephelis borealis	Casual Flyby	2	NA	Special Concern	G3G4	S3
	Northern Metalmark	Calephelis borealis	Nectaring	2	NA	Special Concern	G3G4	S3
	Silver-bordered Fritillary	Boloria selene myrina	Breeding/Courtship	3	NA	State Threatened	G5T5	S2
	Silver-bordered Fritillary	Boloria selene myrina	Nectaring	3	NA	State Threatened	G5T5	S2
<i>Mammalia</i>	Williamson's Emerald	Somatochlora williamsoni	Foraging	2	NA	Special Concern	G5	S3

**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	Strank
	Bobcat	Lynx rufus	Capture Location	4	NA	State Endangered	G5	S2
	Bobcat	Lynx rufus	Live Individual Sighting	4	NA	State Endangered	G5	S2
	Bobcat	Lynx rufus	On Road	4	NA	State Endangered	G5	S2
	Bobcat	Lynx rufus	Physical evidence	4	NA	State Endangered	G5	S2
	Bobcat	Lynx rufus	Telemetry: Home Range	4	NA	State Endangered	G5	S2
	Indiana Bat	Myotis sodalis	Active Season Sighting	5	Federally Listed Endangered	State Endangered	G2	S1
	Indiana Bat	Myotis sodalis	Maternity Colony	5	Federally Listed Endangered	State Endangered	G2	S1
	Indiana Bat	Myotis sodalis	Roost Site	5	Federally Listed Endangered	State Endangered	G2	S1
<i>Reptilia</i>								
	Bog Turtle	Glyptemys muhlenbergii	Occupied Habitat	5	Federally Listed Threatened	State Endangered	G3	S1
	Wood Turtle	Glyptemys insculpta	Occupied Habitat	3	NA	State Threatened	G3	S2

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

Vernal Pool Habitat Type	Vernal Pool Habitat ID
Vernal habitat area	3067
Vernal habitat area	3072
Vernal habitat area	3081
Vernal habitat area	3086
Potential vernal habitat area	2262
Total number of records:	5

**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>Cucullia alfarata</i>	A Moth			G4	S27
<i>Hemiteuca nevadensis</i> ssp. 2	Schweitzer's Buckmoth			G5TT1	S1
<i>Polites mystic</i>	Long Dash			G5	S3?
<i>Satyrium edwardsii</i>	Edwards' Hairstreak			G5	S3
Total number of records: 4					
<i>Vertebrate Animals</i>					
<i>Rallus limicola</i>	Virginia Rail			G5	S3B,S4N
Total number of records: 1					

APPENDIX F –
WETLANDS DATA SHEETS



UPLAND DATA FORM: "A" Isolated Wetland Area

DATE: October 30, 2018

SITE: Public Service Electric and Gas Company
 Newton Airport
 Block 151, Lot 21 / Stickles Pond Road

INVESTIGATOR: M. Muller / D. Bello

DATA POINT LOCATION: UA-1: Upland Side of Point A-5.

Do Normal Environmental Conditions Exist at the Plant Community: Y

Has the Vegetation/Soils/Hydrology Been Significantly Disturbed: Y – Depressional area created and bounded by fill/fill embankments.

VEGETATION

Stratum	Common Name	Scientific Name	Ind – NC & NE
T	Red Maple	Acer rubrum	FAC
SH	Tartarian Honeysuckle	Lonicera tatarica	FACU
SH	Multiflora Rose	Rosa multiflora	FACU
WV	Asian Bittersweet	Celastrus orbiculatus	UPL
T	Red Maple	Acer rubrum	FAC

SOILS

Depth	Color	Texture	Hydric Characteristics
0-4"	10YR 3/3	Sandy Fill	None
4-18"+	10YR 5/3	Sandy Fill	None

EVIDENCE of WETLAND HYDROLOGY

None.

JURISDICTIONAL DETERMINATION & RATIONALE

Is the Plant Community a Wetland: No
Rationale: Fill embankment above limit of wetland does not support hydrophytic vegetation, hydric soils, or wetland/surficial hydrology.

WETLAND DATA FORM: "A" Isolated Area Wetland

DATE: October 30, 2018

SITE: Public Service Electric and Gas Company
 Newton Airport
 Block 151, Lot 21 / Stickles Pond Road

INVESTIGATOR: M. Muller / D. Bello

DATA POINT LOCATION: WA-1: Wetland Side of Point A-5.

Do Normal Environmental Conditions Exist at the Plant Community: Y
Has the Vegetation/Soils/Hydrology Been Significantly Disturbed: Y – Depressional area created and bounded by fill/fill embankments.

VEGETATION

Stratum	Common Name	Scientific Name	Ind – NC & NE
T/S	Green Ash	Fraxinus pennsylvanica	FACW
S	Swamp White Oak	Quercus bicolor	FACW
SH	Silky Dogwood	Cornus amomum	FACW

SOILS

Depth	Color	Texture	Hydric Characteristics
0-3"	10YR 3/3	Sandy Fill	None
3-12"	10YR 4/2 with 10% 4/4 redoximorphic features	Sandy Fill	Redoximorphic Features
12-18"+	10YR 4/1	Sandy Fill	One Chroma

EVIDENCE of WETLAND HYDROLOGY

Standing/ponded water.
Area meets physical definition of a vernal pool; however, given its location, survey required to certify.

JURISDICTIONAL DETERMINATION & RATIONALE

Is the Plant Community a Wetland: Yes
Rationale: Vegetation, soils, and hydrology meet wetland criteria.

UPLAND DATA FORM: "B" Isolated Area Wetland

DATE: October 30, 2018

SITE: Public Service Electric and Gas Company
 Newton Airport
 Block 151, Lot 21 / Stickles Pond Road

INVESTIGATOR: M. Muller / D. Bello

DATA POINT LOCATION: UB-1: Upland Side of Point B-12.

Do Normal Environmental Conditions Exist at the Plant Community: Y
Has the Vegetation/Soils/Hydrology Been Significantly Disturbed: Y – area located on south side of pocket (airport runway side) and is located close to fill embankment associated with same.

VEGETATION

Stratum	Common Name	Scientific Name	Ind – NC & NE
T	White Ash	Fraxinus americana	FACU
SH	Chinese Privet	Ligustrum sinense	FACU
SH	Tartarian Honeysuckle	Lonicera tatarica	FACU
H	Garlic Mustard	Alliaria petiolata	FACU
H	Wine Raspberry	Rubus phoenicolasius	FACU
H	White Snakeroot	Ageratina altissima	FACU

SOILS

Depth	Color	Texture	Hydric Characteristics
0-18"	10YR 4/3	Sandy Fill	None

EVIDENCE of WETLAND HYDROLOGY

None.

JURISDICTIONAL DETERMINATION & RATIONALE

Is the Plant Community a Wetland: No
Rationale: This side of wetland area is non-wetland based on soils, vegetation, and hydrological characteristics – southern side of wetland bounded by fill embankment.

WETLAND DATA FORM: "B" Isolated Area Wetland

DATE: October 30, 2018

SITE: Public Service Electric and Gas Company
Newton Airport
Block 151, Lot 21 / Stickles Pond Road

INVESTIGATOR: M. Muller / D. Bello

DATA POINT LOCATION: WB-1: Wetland Side of Point B-7.

Do Normal Environmental Conditions Exist at the Plant Community: Y

Has the Vegetation/Soils/Hydrology Been Significantly Disturbed: N

VEGETATION

Stratum	Common Name	Scientific Name	Ind - NC & NE
T	Southern Catalpa	Catalpa bignonioides	FACU
T/S	Green Ash	Fraxinus pennsylvanica	FACW
WV	Poison Ivy	Toxicodendron radicans	FAC

SOILS

Depth	Color	Texture	Hydric Characteristics
0-18"	10YR 4/1 10% 4/6 redoximorphic features	Sand/Silt Loam	Redoximorphic Features

EVIDENCE of WETLAND HYDROLOGY

Standing/ponded water.

Area meets physical definition of a vernal pool. Although survey required to certify, completion of survey is likely to confirm.

JURISDICTIONAL DETERMINATION & RATIONALE

Is the Plant Community a Wetland: Yes

Rationale: Vegetation, but primarily soils and hydrology meet wetland criteria.

UPLAND DATA FORM: "B" Isolated Area Wetland

DATE: October 30, 2018

SITE: Public Service Electric and Gas Company
Newton Airport
Block 151, Lot 21 / Stickles Pond Road

INVESTIGATOR: M. Muller / D. Bello

DATA POINT LOCATION: UB-2: Upland Side of Point B-5.

Do Normal Environmental Conditions Exist at the Plant Community: Y
Has the Vegetation/Soils/Hydrology Been Significantly Disturbed: N

VEGETATION

Stratum	Common Name	Scientific Name	Ind - NC & NE
T	Black (Sweet) Birch	Betula lenta	FACU
T	Sassafras	Sassafras albidum	FACU
T/S	Red Elm	Ulmus rubra	FAC
SH	Chinese Privet	Ligustrum sinense	FACU
SH	Japanese Barberry	Berberis thunbergii	FACU
H	Garlic Mustard	Alliaria petiolata	FACU

SOILS

Depth	Color	Texture	Hydric Characteristics
0-18"	7.5YR 4/3	Silt Loam	None

EVIDENCE of WETLAND HYDROLOGY

None.

JURISDICTIONAL DETERMINATION & RATIONALE

Is the Plant Community a Wetland: No

Rationale: Area represents the undisturbed upland forested side of wetland area (up-slope of the wetland area).

WETLAND DATA FORM: "C" Isolated Area Wetland

DATE: October 30, 2018

SITE: Public Service Electric and Gas Company
 Newton Airport
 Block 151, Lot 21 / Stickles Pond Road

INVESTIGATOR: M. Muller / D. Bello

DATA POINT LOCATION: WC-1: Wetland Side of Point C-10.

Do Normal Environmental Conditions Exist at the Plant Community: Y
Has the Vegetation/Soils/Hydrology Been Significantly Disturbed: N

VEGETATION

Stratum	Common Name	Scientific Name	Ind – NC & NE
T/S	Green Ash	Fraxinus pennsylvanica	FACW
T	Black Willow	Salix nigra	OBL
T/S	Red Elm	Ulmus rubra	FAC
H	Japanese Stiltgrass	Microstegium vimineum	FAC
H	Reed Canarygrass	Phalaris arundinacea	FACW
H	Goldenrod spp	Solidago spp	--

SOILS

Depth	Color	Texture	Hydric Characteristics
0-10"	10YR 5/1	Silt Loam	One Chroma / Saturated at Surface
10-16"	G1 6/N (50%) 2.5Y 5/3 (50%)	Silt Loam	50% Gleyed Soils.
16"+	G1 6/N (80%) 2.5Y 5/3 (20%)	Silt Loam	80% Gleyed Soils.

EVIDENCE of WETLAND HYDROLOGY

Isolated wetland pocket. Does not meet the definition of a vernal pool.

JURISDICTIONAL DETERMINATION & RATIONALE

Is the Plant Community a Wetland: Yes
Rationale: Vegetation, soils, and hydrology meet wetland criteria.

UPLAND DATA FORM: "D" Isolated Area Wetland

DATE: October 30, 2018

SITE: Public Service Electric and Gas Company
Newton Airport
Block 151, Lot 21 / Stickles Pond Road

INVESTIGATOR: M. Muller / D. Bello

DATA POINT LOCATION: UD-1: Upland Side of Point D-1.

Do Normal Environmental Conditions Exist at the Plant Community: Y

Has the Vegetation/Soils/Hydrology Been Significantly Disturbed: Y – Depressional area created by fill.

VEGETATION

Stratum	Common Name	Scientific Name	Ind – NC & NE
T	Black Walnut	Juglans nigra	FACU
T	Red Cedar	Juniperus virginiana	FACU
T	Black Cherry	Prunus serotina	FACU
T	Eastern Cottonwood	Populus deltoides	FAC
SH	Chinese Privet	Ligustrum sinense	FACU
SH	Russian Olive	Elaeagnus angustifolia	FACU
WV	Asian Bittersweet	Celastrus orbiculatus	UPL
WV	Poison Ivy	Toxicodendron radicans	FAC
H	Meadow Garlic	Allium canadense	FACU

SOILS

Depth	Color	Texture	Hydric Characteristics
0-10"	10YR 6/1	Sandy Fill	One Chroma Not Indicative of Hydric Soils.
10"+	Refusal		

EVIDENCE of WETLAND HYDROLOGY

None.

JURISDICTIONAL DETERMINATION & RATIONALE

Is the Plant Community a Wetland: No
Rationale: Fill embankment above limit of wetland does not support hydrophytic vegetation, hydric soils, or wetland/surficial hydrology.

WETLAND DATA FORM: "D" Isolated Area Wetland

DATE: October 30, 2018

SITE: Public Service Electric and Gas Company
 Newton Airport
 Block 151, Lot 21 / Stickles Pond Road

INVESTIGATOR: M. Muller / D. Bello

DATA POINT LOCATION: WD-1: Wetland Side of Point D-1.

Do Normal Environmental Conditions Exist at the Plant Community: Y
Has the Vegetation/Soils/Hydrology Been Significantly Disturbed: Y – Depressional area created by fill.

VEGETATION

Stratum	Common Name	Scientific Name	Ind – NC & NE
T	Red Maple	Acer rubrum	FAC
H	Canada Clearweed	Pilea pumila	FACW
H	Spotted Touch-Me-Not	Impatiens capensis	FACW
H	Japanese Stiltgrass	Microstegium vimineum	FAC
H	Common Reed	Phragmites australis	FACW

SOILS

Depth	Color	Texture	Hydric Characteristics
0-4"	Organic		
4-18"+	10YR 3/1	Silt Loam	One Chroma / Saturation

EVIDENCE of WETLAND HYDROLOGY

Standing/ponded water.
Area meets physical definition of a vernal pool; however, given its location, survey required to certify.

JURISDICTIONAL DETERMINATION & RATIONALE

Is the Plant Community a Wetland: Yes
Rationale: Base of depression supports hydrophytic vegetation and hydric soils and contained standing/ponded water.

UPLAND DATA FORM: "E" Isolated Area Wetland

DATE: October 30, 2018

SITE: Public Service Electric and Gas Company
Newton Airport
Block 151, Lot 21 / Stickles Pond Road

INVESTIGATOR: M. Muller / D. Bello

DATA POINT LOCATION: UE-1: Upland Side of Point E-3.

Do Normal Environmental Conditions Exist at the Plant Community: Y

Has the Vegetation/Soils/Hydrology Been Significantly Disturbed: Y – southeast (airport runway) side of area created by fill.

VEGETATION

Stratum	Common Name	Scientific Name	Ind – NC & NE
T	Tree-of-Heaven	Ailanthus altissima	UPL
SH	Multiflora Rose	Rosa multiflora	FACU
SH	Chinese Privet	Ligustrum sinense	FACU
WV	Asian Bittersweet	Celastrus orbiculatus	UPL
H	Garlic Mustard	Alliaria petiolata	FACU
H	Meadow Garlic	Allium canadense	FACU

SOILS

Depth	Color	Texture	Hydric Characteristics
0-12"	10YR 3/4	Sandy Fill	None
12"+	Refusal		

EVIDENCE of WETLAND HYDROLOGY

None.

JURISDICTIONAL DETERMINATION & RATIONALE

Is the Plant Community a Wetland: No
Rationale: This side of wetland area is non-wetland based on soils, vegetation, and hydrological characteristics – southern side of wetland bounded by fill embankment.

WETLAND DATA FORM: "E" Isolated Area Wetland

DATE: October 30, 2018

SITE: Public Service Electric and Gas Company
 Newton Airport
 Block 151, Lot 21 / Stickles Pond Road

INVESTIGATOR: M. Muller / D. Bello

DATA POINT LOCATION: WE-1: Wetland Side of Point E-8.

Do Normal Environmental Conditions Exist at the Plant Community: Y

Has the Vegetation/Soils/Hydrology Been Significantly Disturbed: Y – southeast (airport runway) side of area created by fill.

VEGETATION

Stratum	Common Name	Scientific Name	Ind – NC & NE
T	Southern Catalpa	Catalpa bignonioides	FACU
T/S	Green Ash	Fraxinus pennsylvanica	FACW
SH	Northern Spicebush	Lindera benzoin	FACW
H	Japanese Stiltgrass	Microstegium vimineum	FAC

SOILS

Depth	Color	Texture	Hydric Characteristics
0-12"	10YR 4/1	Silt Loam	One Chroma
12"+	10YR 5/1 with 10% 10YR 5/6 Redoximorphic Features		One Chroma with Redoximorphic Features

EVIDENCE of WETLAND HYDROLOGY

Standing/ponded water.

Area meets physical definition of a vernal pool. Although survey required to certify, completion of survey is likely to confirm.

JURISDICTIONAL DETERMINATION & RATIONALE

Is the Plant Community a Wetland: Yes

Rationale: Vegetation, soils, and hydrology meet wetland criteria.

UPLAND DATA FORM: "E" Isolated Area Wetland

DATE: October 30, 2018

SITE: Public Service Electric and Gas Company
Newton Airport
Block 151, Lot 21 / Stickles Pond Road

INVESTIGATOR: M. Muller / D. Bello

DATA POINT LOCATION: UE-2: Upland Side of Point E-8

Do Normal Environmental Conditions Exist at the Plant Community: Y
Has the Vegetation/Soils/Hydrology Been Significantly Disturbed: N

VEGETATION

Stratum	Common Name	Scientific Name	Ind - NC & NE
T	Flowering Dogwood	Cornus florida	FACU
T	Black (Sweet) Birch	Betula lenta	FACU
T	Sugar Maple	Acer saccharum	FACU
SH	Japanese Barberry	Berberis thunbergii	FACU
SH	Multiflora Rose	Rosa multiflora	FACU
SH	Tartarian Honeysuckle	Lonicera tatarica	FACU
WV	Grape spp	Vitis spp	--
H	Christmas Fern	Polystichum acrostichoides	FACU

SOILS

Depth	Color	Texture	Hydric Characteristics
0-4"	10YR 4/3	Silt Loam	None
4"+	10YR 5/4	Silt Loam	None

EVIDENCE of WETLAND HYDROLOGY

None.

JURISDICTIONAL DETERMINATION & RATIONALE

Is the Plant Community a Wetland: No
Rationale: Area represents undisturbed forested upland located up-slope from wetland area.

UPLAND DATA FORM: "F" Area Wetland – Stickles Pond Fringe

DATE: October 30, 2018

SITE: Public Service Electric and Gas Company
 Newton Airport
 Block 151, Lot 21 / Stickles Pond Road

INVESTIGATOR: M. Muller / D. Bello

DATA POINT LOCATION: UF-1: Upland Side of Point F-13.

Do Normal Environmental Conditions Exist at the Plant Community: Y
Has the Vegetation/Soils/Hydrology Been Significantly Disturbed: Y – Area located along this section of Stickles Pond appears to be comprised of a filled embankment.

VEGETATION

Stratum	Common Name	Scientific Name	Ind – NC & NE
T	Black Walnut	Juglans nigra	FACU
T/SH	Staghorn Sumac	Rhus typhina	NI
SH	Multiflora Rose	Rosa multiflora	FACU
SH	Tartarian Honeysuckle	Lonicera tatarica	FACU
WV	Asian Bittersweet	Celastrus orbiculatus	UPL
H	Garlic Mustard	Alliaria petiolata	FACU
H	Meadow Garlic	Allium canadense	FACU

SOILS

Depth	Color	Texture	Hydric Characteristics
0-12"	10YR 3/3	Sandy Fill	None
12"+	Refusal		

EVIDENCE of WETLAND HYDROLOGY

None.

JURISDICTIONAL DETERMINATION & RATIONALE

Is the Plant Community a Wetland: No
Rationale: Area above this section of Stickles Pond is comprised of a filled embankment.

WETLAND DATA FORM: "F" Area Wetland – Stickles Pond Fringe

DATE: October 30, 2018

SITE: Public Service Electric and Gas Company
Newton Airport
Block 151, Lot 21 / Stickles Pond Road

INVESTIGATOR: M. Muller / D. Bello

DATA POINT LOCATION: WF-1: Wetland Side of Point F-13.

Do Normal Environmental Conditions Exist at the Plant Community: Y
Has the Vegetation/Soils/Hydrology Been Significantly Disturbed: N

VEGETATION

Stratum	Common Name	Scientific Name	Ind – NC & NE
SH	Smooth (Brookside) Alder	<i>Alnus serrulata</i>	OBL
SH	Silky Dogwood	<i>Cornus amomum</i>	FACW
WV	Grape spp	<i>Vitis spp</i>	--
H	Sensitive Fern	<i>Onoclea sensibilis</i>	FACW
H	Broad-leaved Cattail	<i>Typha latifolia</i>	OBL
H	Garlic Mustard	<i>Allairia petiolata</i>	FACU

SOILS

Depth	Color	Texture	Hydric Characteristics
0-12"	10YR 4/1 with 10% 10YR 5/6 Redoximorphic Features	Silt Loam	One Chroma with Redoximorphic Features
12"+	10YR 5/1 with 10% 10YR 5/6 Redoximorphic Features	Silt Loam	One Chroma with Redoximorphic Features

EVIDENCE of WETLAND HYDROLOGY

Edge Stickles Pond - Saturation

JURISDICTIONAL DETERMINATION & RATIONALE

Is the Plant Community a Wetland: Yes
Rationale: Area represents wetland fringe associated with Stickles Pond.

UPLAND DATA FORM: "G" Area Wetland

DATE: October 30, 2018

SITE: Public Service Electric and Gas Company
Newton Airport
Block 151, Lot 21 / Stickles Pond Road

INVESTIGATOR: M. Muller / D. Bello

DATA POINT LOCATION: UG-1: Upland Side of Point G-16.

Do Normal Environmental Conditions Exist at the Plant Community: Y
Has the Vegetation/Soils/Hydrology Been Significantly Disturbed: N

VEGETATION

Stratum	Common Name	Scientific Name	Ind - NC & NE
T	Red Oak	Quercus rubra	FACU
T	White Oak	Quercus alba	FACU
T	Sassafras	Sassafras albidum	FACU
T	Eastern Hop-Hornbeam	Ostrya virginiana	FACU
T	Hickory spp	Carya spp	--
SH	Smooth Blackhaw (Viburnum)	Viburnum prunifolium	FACU
SH	Japanese Barberry	Berberis thunbergii	FACU
SH	Russian Olive	Elaeagnus angustifolia	FACU
WV	Japanese Honeysuckle	Lonicera japonica	FACU

SOILS

Depth	Color	Texture	Hydric Characteristics
0-2"	Organic		
2-18"+	10YR 4/3		

EVIDENCE of WETLAND HYDROLOGY

None.

JURISDICTIONAL DETERMINATION & RATIONALE

Is the Plant Community a Wetland: No

Rationale: Area represents undisturbed forested upland located up-slope of forested wetland.

WETLAND DATA FORM: "G" Area Wetland

DATE: October 30, 2018

SITE: Public Service Electric and Gas Company
Newton Airport
Block 151, Lot 21 / Stickles Pond Road

INVESTIGATOR: M. Muller / D. Bello

DATA POINT LOCATION: WG-1: Wetland Side of Point G-16.

Do Normal Environmental Conditions Exist at the Plant Community: Y
Has the Vegetation/Soils/Hydrology Been Significantly Disturbed: N

VEGETATION

Stratum	Common Name	Scientific Name	Ind – NC & NE
T	Red Maple	Acer rubrum	FAC
SH	Japanese Barberry	Berberis thunbergii	FACU
SH	Northern Spicebush	Lindera benzoin	FACW
H	Japanese Stiltgrass	Microstegium vimineum	FAC
H	Sensitive Fern	Onoclea sensibilis	FACW

SOILS

Depth	Color	Texture	Hydric Characteristics
0-10"	10YR 4/1	Silt Loam	One Chroma
10"+	10YR 3/3 (20%) 10YR 4/1 (50%) 10YR 5/6 (30%)	Silt Loam	One Chroma is Dominant within Matrix

EVIDENCE of WETLAND HYDROLOGY

Pockets of standing water throughout wetland area. Adventitious root systems. Buttressed trunks.

JURISDICTIONAL DETERMINATION & RATIONALE

Is the Plant Community a Wetland: Yes

Rationale: Area represents forested wetland pursuant to hydrophytic vegetation, hydric soils, and surficial hydrology/hydrological indicators.

UPLAND DATA FORM: "H" Area Wetland

DATE: October 30, 2018

SITE: Public Service Electric and Gas Company
 Newton Airport
 Block 151, Lot 21 / Stickles Pond Road

INVESTIGATOR: M. Muller / D. Bello

DATA POINT LOCATION: UH-1: Upland Side of Point H-8.

Do Normal Environmental Conditions Exist at the Plant Community: Y
Has the Vegetation/Soils/Hydrology Been Significantly Disturbed: N

VEGETATION

Stratum	Common Name	Scientific Name	Ind - NC & NE
T	Sugar Maple	Acer saccharum	FACU
T	Eastern Hop-Hornbeam	Ostrya virginiana	FACU
SH	Japanese Barberry	Berberis thunbergii	FACU
SH	Russian Olive	Elaeagnus angustifolia	FACU
H	Wine Raspberry	Rubus phoenicolasius	FACU
H	Japanese Stiltgrass	Microstegium vimineum	FAC

SOILS

Depth	Color	Texture	Hydic Characteristics
0-4"	10YR 3/2	Silt Loam	None
4-18"+	10YR 3/3	Silt Loam	None

EVIDENCE of WETLAND HYDROLOGY

None.

JURISDICTIONAL DETERMINATION & RATIONALE

Is the Plant Community a Wetland: No
Rationale: Area represents undisturbed forested upland located up-slope of forested wetland.

WETLAND DATA FORM: "H" Area Wetland

DATE: October 30, 2018

SITE: Public Service Electric and Gas Company
 Newton Airport
 Block 151, Lot 21 / Stickles Pond Road

INVESTIGATOR: M. Muller / D. Bello

DATA POINT LOCATION: WH-1: Wetland Side of Point H-8.

Do Normal Environmental Conditions Exist at the Plant Community: Y
Has the Vegetation/Soils/Hydrology Been Significantly Disturbed: N

VEGETATION

Stratum	Common Name	Scientific Name	Ind – NC & NE
T/S	Red Maple	Acer rubrum	FAC
S	Swamp White Oak	Quercus bicolor	FACW
T	American Hornbeam (Ironwood)	Carpinus caroliniana	FAC
SH	Japanese Barberry	Berberis thunbergii	FACU
SH	Northern Spicebush	Lindera benzoin	FACW
SH	Russian Olive	Elaeagnus angustifolia	FACU
SH	Multiflora Rose	Rosa multiflora	FACU
H	Japanese Stiltgrass	Microstegium vimineum	FAC
H	Sedge spp	Carex spp	--
H	Sphagnum	Sphagnum	OBL

SOILS

Depth	Color	Texture	Hydric Characteristics
0-18"	10YR 4/1	Silt Loam	One Chroma

EVIDENCE of WETLAND HYDROLOGY

Pockets of standing water throughout wetland area. Adventitious root systems. Buttressed trunks.

JURISDICTIONAL DETERMINATION & RATIONALE

Is the Plant Community a Wetland: Yes
Rationale: Area represents forested wetland pursuant to hydrophytic vegetation, hydric soils, and surficial hydrology/hydrological indicators.

APPENDIX G –
SITE PLANS (BOUND SEPARATELY)

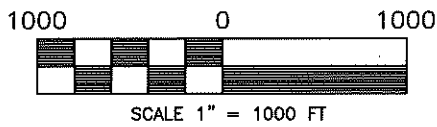
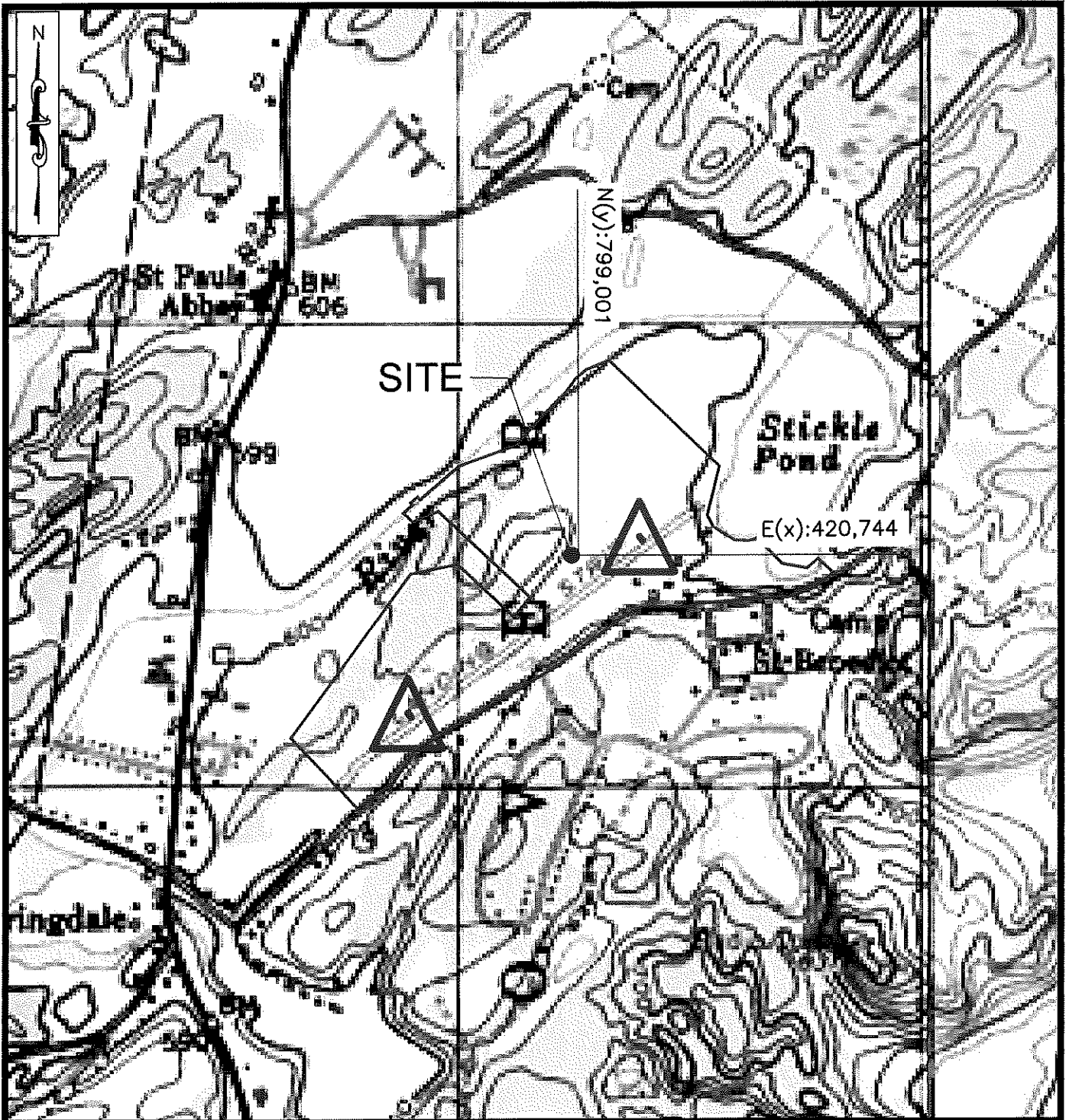


APPENDIX H –
STORMWATER MANAGEMENT REPORT



FIGURE 1 -
USGS MAP





TITLE:

USGS MAP



140 WEST MAIN STREET HIGH BRIDGE, NJ 08829
 (908) 238-0544 FAX: (908)238-9572
 C.O.A. #: 24GA28021500

A PROFESSIONAL ASSOCIATION

LOCATION:

248 STICKLES POND RD
 BLOCK 151 LOT 21
 ANDOVER TOWNSHIP
 SUSSEX COUNTY, NJ

DATE: 9/6/2019

PROJECT NO.: 0119134

FILENAME: USGS.DWG

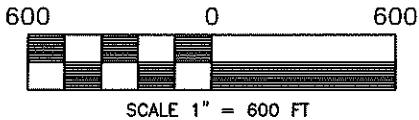
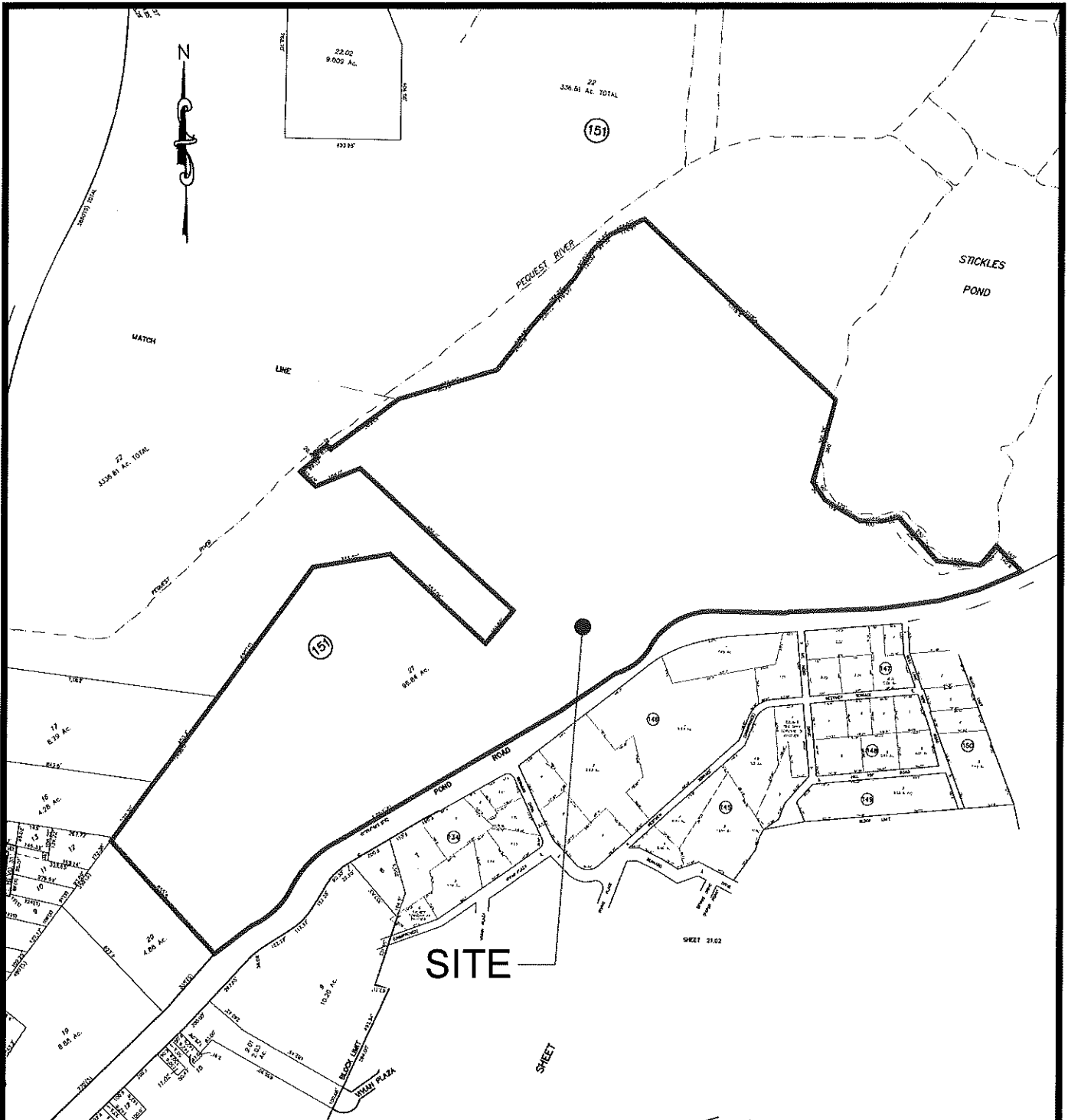
FIGURE No.

1

REFERENCES: USGS NEWTON WEST QUAD

FIGURE 2 –
TAX MAP





REFERENCES: TOWNSHIP OF ANDOVER TAX MAP SHEETS 21, 21.01, 22, & 24

TITLE:

TAX MAP



140 WEST MAIN STREET HIGH BRIDGE, NJ 08829
 (908) 238-0544 FAX: (908)238-9572
 C.O.A. #: 24GA28021500
 A PROFESSIONAL ASSOCIATION

LOCATION:

248 STICKLES POND RD
 BLOCK 151 LOT 21
 ANDOVER TOWNSHIP
 SUSSEX COUNTY, NJ

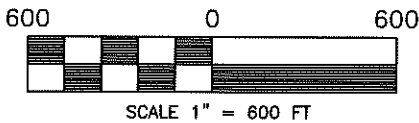
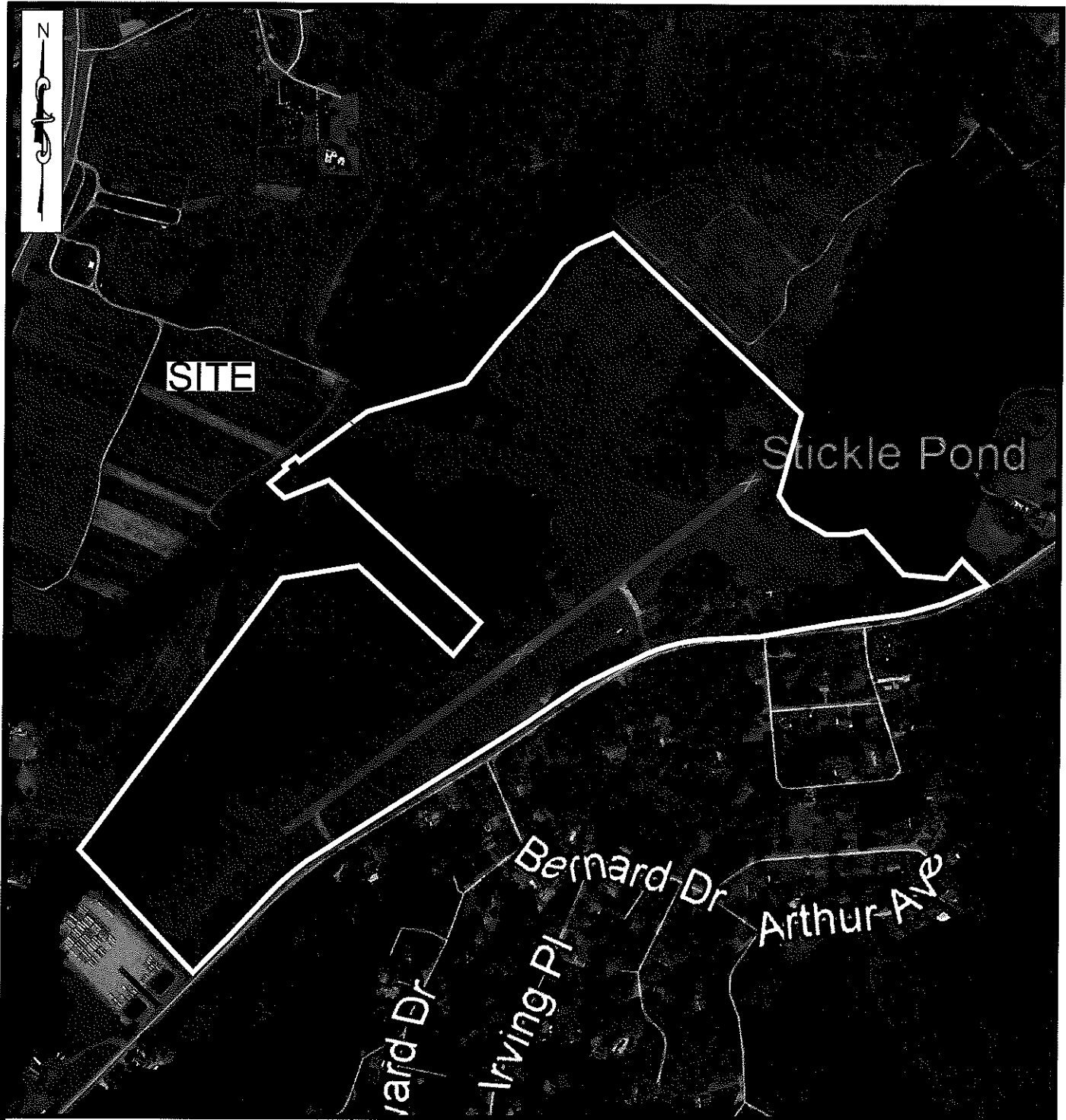
DATE: 9/6/2019

PROJECT NO.: 0119134

FILENAME: TAX.DWG

FIGURE No.

2



TITLE: **ROAD MAP**



140 WEST MAIN STREET HIGH BRIDGE, NJ 08829
 (908) 238-0544 FAX: (908)238-9572
 C.O.A. #: 24GA28021500
 A PROFESSIONAL ASSOCIATION

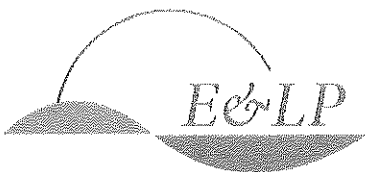
LOCATION:
 248 STICKLES POND RD
 BLOCK 151 LOT 21
 ANDOVER TOWNSHIP
 SUSSEX COUNTY, NJ

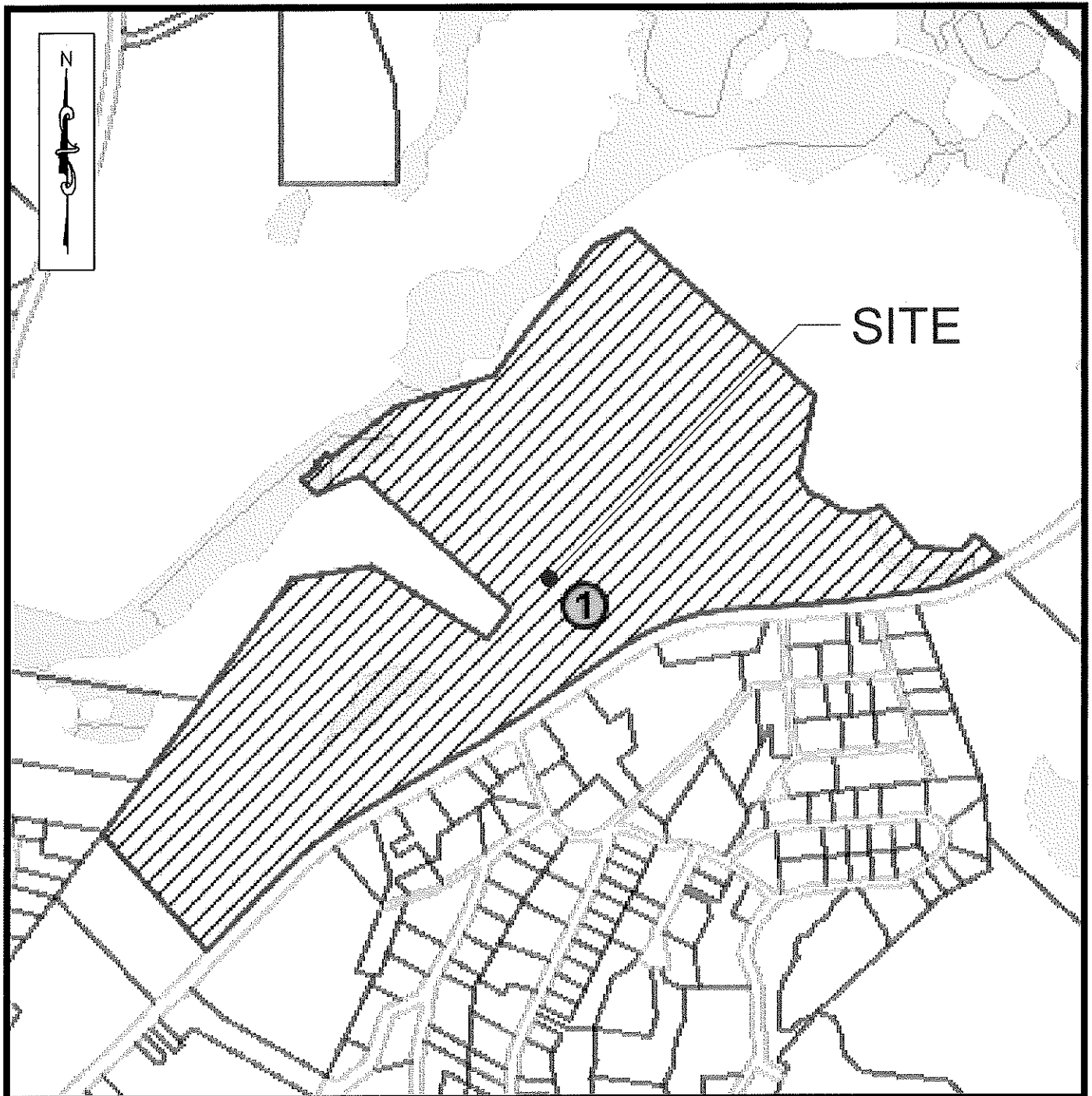
DATE: 9/6/2019
 PROJECT NO.: 0119134
 FILENAME: ROAD.DWG

FIGURE No.
3

REFERENCES: GOOGLE EARTH PRO

FIGURE 4 –
NJDEP WETLANDS INVENTORY MAP (2012)





600 0 600



Scale 1" = 600 ft



FRESHWATER WETLANDS

SOURCE:
NJ GEOWEB

TITLE: FRESHWATER WETLANDS INVENTORY MAP



140 WEST MAIN STREET HIGH BRIDGE, NJ 08829
(908) 238-0544 FAX: (908)238-9572
C.O.A. #: 24GA28021500

A PROFESSIONAL ASSOCIATION

LOCATION:

248 STICKLES POND RD
BLOCK 151 LOT 21
ANDOVER TOWNSHIP
SUSSEX COUNTY, NJ

DATE: 9/6/2019

PROJECT NO.: 0119134

FILENAME: FWI.dwg

FIGURE No.

4

FIGURE 5 –
SOIL MAP (2012)



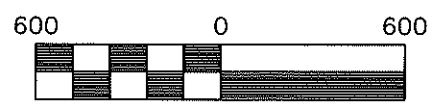


SOILS

FaxC: FARMINGTON-ROCK OUTCROP COMPLEX,
0 TO 15 PERCENT SLOPES


HdxpAb: HAZEN-PAULINS KILL COMPLEX,
0 TO 3 PERCENT SLOPES, VERY STONY

USFARC: URBAN LAND-FARMINGTON-ROCK
OUTCROP COMPLEX, 0 TO 15 PERCENT SLOPES



Scale 1" = 600 ft

SOURCE:
WEB SOIL SURVEY

TITLE:		SOIL MAP	
		140 WEST MAIN STREET	HIGH BRIDGE, NJ 08829
		(908) 238-0544	FAX: (908)238-9572
		C.O.A. #: 24GA28021500	
A PROFESSIONAL ASSOCIATION			
LOCATION:	DATE:	FIGURE No.	
248 STICKLES POND RD BLOCK 151 LOT 21 ANDOVER TOWNSHIP SUSSEX COUNTY, NJ	9/6/2019	5	
	PROJECT NO.: 0119134		
	FILENAME: SOIL.dwg		

