

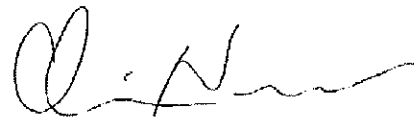
CIVIL ENGINEERING
ENVIRONMENTAL
SURVEYING
LANDSCAPE ARCHITECTURE
GEOTECHNICAL

FLOOD HAZARD AREA
VERIFICATION REPORT

248 Stuckles Pond Road
Block 151 Lot 21
Andover Township
Sussex County, New Jersey

Prepared For:
BHT Properties Group
5081 SW 48th Street, 10203
Davie, FL 33314

January 20, 2020



Christopher R. Nusser, P.E.
New Jersey Professional Engineer
License No. 24GE04902500



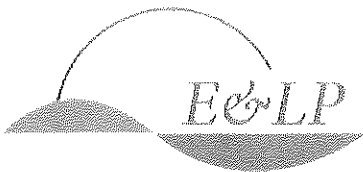
Headquarters
140 West Main Street | High Bridge, NJ 08829
T: 908.238.0544 F: 908.238.9572

Clinton | Asbury Park | Denville | Philadelphia

TABLE OF CONTENTS

FLOOD HAZARD AREA VERIFICATION REPORT

Table of Contents	1
List of Appendices and Figures	2
Flood Hazard Area Verification	3
A. Introduction & Project Scope	3
B. Flood Hazard Area Limit Delineation.....	3
C. Riparian Buffer Delineation	3



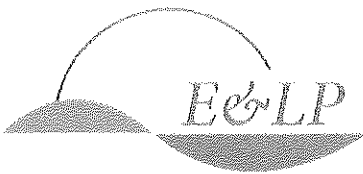
LIST OF APPENDICIES AND FIGURES

APPENDICIES:

- Appendix A: NJDEP DLUR Application Form & FHA Verification Checklist
- Appendix B: Photo-Documentation of Site/Vegetation
- Appendix C: Natural Heritage Database Report
- Appendix D: Proof of Public Notifications
- Appendix E: Stream Stats Report
- Appendix F: NJDEP FHA Verification Plans (Attached Separately)

FIGURES:

- Figure 1: USGS Map Newton West Quadrangle
- Figure 2: Tax Map
- Figure 3: Aerial Road Map
- Figure 4: FEMA Flood Insurance Rate Map



FLOOD HAZARD AREA VERIFICATION

A. Introduction & Project Scope

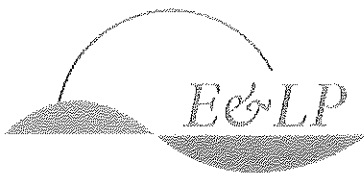
The following report has been submitted for the property located at 248 Stickle Pond Road, Block 151, Lot 21 in Andover Township, Sussex County, New Jersey. The overall property consists of 100.89 acres and the site is a former airport. The Pequest River (FW2-TM) flows near the northwestern property line from northeast to southwest and Stickle Pond borders the property to the northeast. The surface water on the property flows outward from the center of the site toward the river and pond. We are requesting a Flood Hazard Area Verification for the site.

B. Flood Hazard Area Limit Delineation

The Flood Hazard Area has been delineated in accordance with N.J.A.C. 7:13-3.5 using Method 5 (approximation). The FEMA Flood Insurance Rate Map (Figure 4) does not provide a design flood elevation for the floodplain on the property and the Department delineation for the Pequest River stops just short of this property to the west. The property falls within the Upper Delaware Watershed Management Area (1). The contributory drainage area, determined using StreamStats is 1.42 square miles (909 acres) for the Pequest River and 0.95 square miles (608 acres) for Stickle Pond. Using this information in conjunction with Table 1 in Appendix 1 of N.J.A.C. 7:13, the approximate depth of flooding was determined to be 9 feet for both the River and the Pond. The depth from table 1 was then added to the streambed elevations on the property to determine the approximate design flood elevation ranging from 598 to 600 feet along the river and 602 feet along the pond (NAVD 1988). The floodplain limit is shown on the Flood Hazard Area Verification Plan (Appendix E).

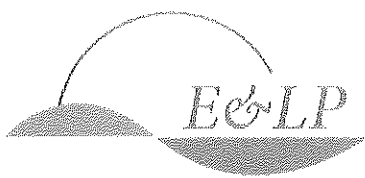
C. Riparian Buffer Delineation

The property contains regulated riparian zones associated with the surface water features on the property. The waterbodies on site are classified as FW2-TM. Additionally, there are threatened/endangered species on site that are critically dependent on the regulated water. As a result, the riparian zone for the pond and river were determined to be 150-foot offsets from the existing tops of bank.



APPENDIX A –

NJDEP DLUR APPLICATION & FHA VERIFICATION CHECKLIST





FLOOD HAZARD AREA APPLICATION CHECKLIST

Verification

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

To apply for a flood hazard area verification, 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."

*An application for a verification may be submitted electronically only if it accompanies an application for a general permit, individual permit, or transition area waiver. Paper submission is required when applying solely for a verification.

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:

Public notice is required only if the proposed verification is based on Method 4, 5, or 6 (see N.J.A.C. 7:13-3.4(f), 3.5, and 3.6, respectively).

 - **Electronic Submissions:** A completed Public Notice form. Documentation that notice of the application has been provided in accordance with N.J.A.C. 7:13-19 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. 7:13-19 (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. 7:13-19.3(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. 7:13-19.3(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. 7:13-19.3(d)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 7:13-19.3(c)1-6), 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 delineation of one-half mile or longer of a regulated water
- A linear project 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. 7:13-19.3(d)1iii shall read as follows:

"This letter is to provide you with legal notification that an application for a flood hazard area verification under <<Method 4/ Method 5/ Method 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. 7:13-19.4)

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 delineation of one-half mile or longer of a regulated water
- B. A linear project 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. A project to remove sediment or debris from a 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 flood hazard area verification under <<Method 4/ Method 5/ Method 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"

iv. Notice for projects located in the Pinelands Area

For a project in the Pinelands Area as designated under the Pinelands Protection Act at N.J.S.A. 13:18A-11.a, documentation showing that a copy of the application form has been provided to the New Jersey Pinelands Commission. For electronic submissions, the "application form" will consist of a description of the project, including the lot, block, municipality, and county, and the specific permit(s)/authorization(s) being sought.

4. Application fees:

- **Electronic Submissions:** The appropriate application fee, as specified in N.J.A.C. 7:13-20.1, 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. 7:13-20.1, 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. 7:13-18.4(a)4:

- i. Existing features:
 - A. All relevant existing features such as lot lines, structures, land coverage, and vegetation
- ii. Topography:
 - A. Existing topography. All topography shall reference NGVD or include the appropriate conversion factor to NGVD
 - B. The limits of the regulated water including the "top of bank", the "centerline" for linear waters with drainage areas of <150 acres, the limits of the two-year flood for linear waters with drainage areas of >150 acres, and/or the centerline for amorphous/irregularly shaped water features
- iii. Riparian zone:
 - A. The location of any riparian zone onsite (see N.J.A.C 7:13-4.1)
- iv. Metes and bounds description:
 - A. A metes and bounds description of any existing and proposed flood hazard area and floodway limits onsite
 - B. Identification of the method at N.J.A.C. 7:13-3 that was used to determine these limits
- v. Flood hazard area/floodway information:
 - A. If the entire site lies within a flood hazard area and/or floodway, the site plans shall indicate this
 - B. The elevation(s) of the flood hazard area design flood throughout the site
- vi. Details of construction proposed in a regulated water:
 - A. N/A: No regulated activities will be authorized by a verification
- vii. The following statement: "NOTE: The State of New Jersey has determined that all or a portion of this lot lies in a flood hazard area and/or riparian zone. Certain activities in flood hazard areas and riparian zones are regulated by the New Jersey Department of Environmental Protection and some activities may be prohibited on this site or may first require a flood hazard area permit. Consult

www.nj.gov/dep/landuse or contact the Division of Land Use Regulation at (609) 777-0454 for more information prior to any construction onsite."

- **Electronic Submissions:** Acceptable file formats include pdf and zip. Site plans must be certified in accordance with N.J.A.C. 7:13-18.2(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. 7:13-18.2(j). Prior to issuance of any verification, 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 the site; and
 - 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. An engineering report that includes:

- i. The name, address, and telephone number of the engineer, as well as any other person designated by the engineer to answer questions about the report;
 - ii. All supporting hydrologic, hydraulic, flood storage volume, stormwater and structural calculations that are necessary to demonstrate that the application meets the requirements of N.J.A.C. 7:13;
 - iii. A narrative that explains the submitted calculations and describes why each particular calculation or methodology was used;
 - iv. All maps, references, and other supporting materials that were used to prepare the submitted calculations;
 - v. All flood maps, drainage area maps, and other materials used to determine the flood hazard area and/or floodway limits; and
 - vi. The certification set forth at N.J.A.C. 7:13-18.2(j).
- **Electronic Submissions:** Acceptable file formats include pdf and zip. Engineering reports for a verification based on Methods 4, 5, or 6 must be digitally signed and sealed by a New Jersey licensed professional engineer. Digital signatures and seals must meet the requirements of N.J.A.C. 13:40-8.1A. Engineering reports with electronic signatures, such as scans of reports with a handwritten signature, will not be accepted.
 - **Paper Submissions:** Three copies of the engineering report. Engineering reports for a verification based on Methods 4, 5, or 6 must be signed and sealed by an engineer.

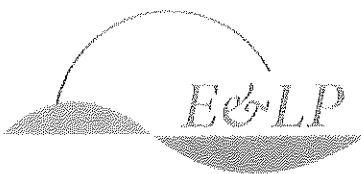
8. Natural Heritage Program Letter:

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.

9. 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 —
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	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
	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

Insecta

**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	<i>Cordulegaster obliqua</i>	Foraging	2	NA	Special Concern	G4	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>Calephelis borealis</i>	Casual Flyby	2	NA	Special Concern	G3G4	S3
<i>Mammalia</i>								
	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
	Indiana Bat	<i>Myotis sodalis</i>	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	Srank
	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?
Poiles mysic	Long Dash			G5	S3?
Satyrium edwardsi	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	Strank	Identified	Last Observed	Location
-----------------	-------------	---------------------------	-------------------------	-----------------	-------	--------	------------	---------------	----------

Vascular Plants

Carex buxbaunii	Brown Sedge			HL	G5	S3	Y	1984-06-14	Stickle Pond, southeast of Newton, Sussex County.
Carex hitchcockiana	Hitchcock's Sedge			HL	G5	S3	Y	1920-06-15	Stickle 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	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 Non-breeding	2	NA	Special Concern	G4	S3	
	Longtail Salamander	Eurycea longicauda longicauda	Occupied Habitat	3	NA	State Threatened	G5T5	S2	
	Marbled Salamander	Ambystoma opacum	Occupied Habitat	2	NA	Special Concern	G5	S3	
	<i>Aves</i>	Bald Eagle	Haliaeetus leucocephalus	Foraging	4	NA	State Endangered	G5	S1B, S2N
		Barred Owl	Strix varia	Breeding Sighting	3	NA	State Threatened	G5	S2B, S2N
		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	

**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	G-rank	S-rank	
<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>Calephelis borealis</i>	Casual Flyby	2	NA	Special Concern	G3G4	S3	
	<i>Mammalia</i>	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	Strank
	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	Srank
<i>Invertebrate Animals</i>					
Cucullia alfarata	A Moth			G4	S2?
Polites mystic -	Long Dash			G5	S3?
Sayrium 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>Vascular Plants</i>								
<i>Andromeda polifolia</i> var. <i>glaucochylla</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>	Arunn-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 Butrush	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	S1B,S2N
		Barred Owl	Strix varia	Breeding Sighting	3	NA	State Threatened	G5	S2B,S2N

**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	Strank
<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
Reptilia								
	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	Strank
<i>Invertebrate Animals</i>					
<i>Cucullia alfarata</i>	A Moth			G4	S27
<i>Hemiteuca nevadensis</i> ssp. 2	Schweitzer's Buckmoth			G5T1	S1
<i>Polites mystic</i>	Long Dash			G5	S37
<i>Sayornis edwardsii</i>	Edwards' Hairstreak			G5	S3
Total number of records: 4					
<i>Vertebrate Animals</i>					
<i>Rallus himicola</i>	Virginia Rail			G5	S3B,S4N
Total number of records: 1					

APPENDIX D -
PROOF OF PUBLIC 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 LIMCREST 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	NETZGAR, 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	

**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

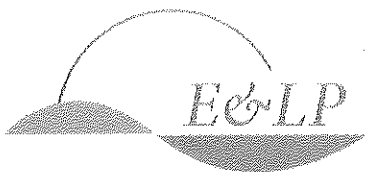
Properties that are adjacent to a County Road must also contact:

Sussex County Planning Board
One Spring St
Newton NJ 07860

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

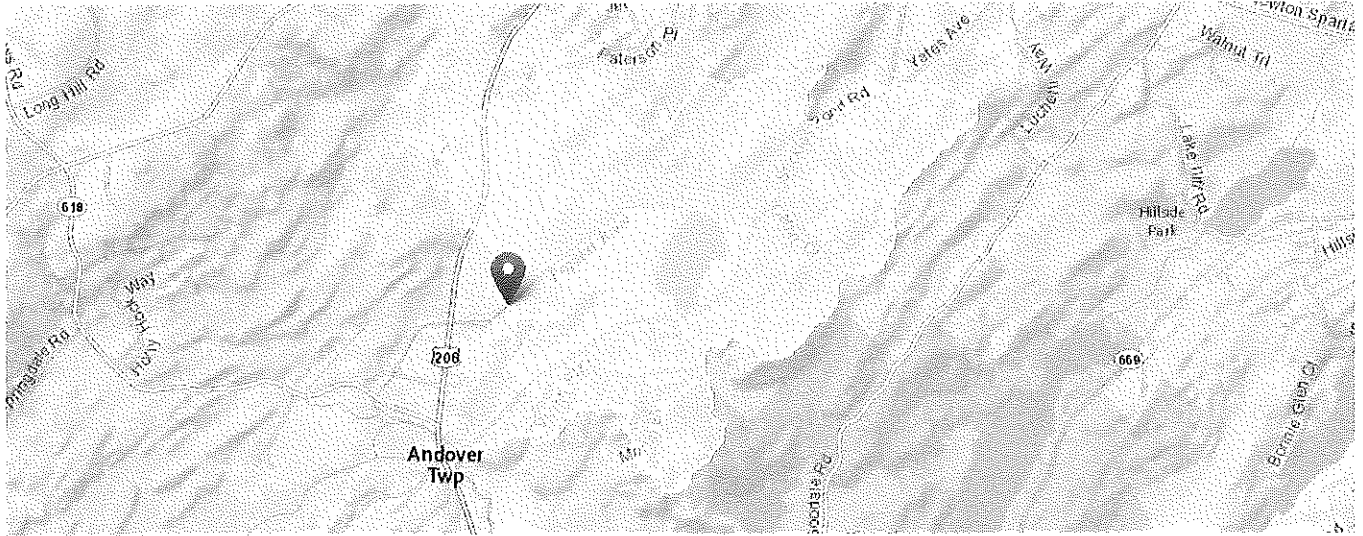
State of New Jersey
Commissioner of Transportation
PO Box 600
Trenton NJ 08625-0600

APPENDIX E --
STREAM STATS REPORT



StreamStats Report

Region ID: NJ
 Workspace ID: NJ20190912193100883000
 Clicked Point (Latitude, Longitude): 41.02623, -74.76473
 Time: 2019-09-12 15:31:15 -0400



Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	1.42	square miles
STORAGE	Percentage of area of storage (lakes ponds reservoirs wetlands)		percent
CSL10_85	Change in elevation divided by length between points 10 and 85 percent of distance along main channel to basin divide - main channel method not known		feet per mi
POPDENS	Basin Population Density		persons per square mile

Peak-Flow Statistics Parameters [Peak Valley and Ridge Region 2009 5167]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	1.42	square miles	0.87	763
STORAGE	Percent Storage		percent	2.36	30.1
CSL10_85	Stream Slope 10 and 85 Method		feet per mi	2.56	268
POPDENS	Basin Population Density		persons per square mile	35	1493

Peak-Flow Statistics Flow Report [Peak Valley and Ridge Region 2009 5167]

Statistic	Value	Unit
-----------	-------	------

Peak-Flow Statistics Citations

USGS Data Disclaimer: Unless otherwise stated, all data, metadata and related materials are considered to satisfy the quality standards relative to the purpose for which the data were collected. Although these data and associated metadata have been reviewed for accuracy and completeness and approved for release by the U.S. Geological Survey (USGS), no warranty expressed or implied is made regarding the display or utility of the data for other purposes, nor on all computer systems, nor shall the act of distribution constitute any such warranty.

USGS Software Disclaimer: This software has been approved for release by the U.S. Geological Survey (USGS). Although the software has been subjected to rigorous review, the USGS reserves the right to update the software as needed pursuant to further analysis and review. No warranty, expressed or implied, is made by the USGS or the U.S. Government as to the functionality of the software and related material nor shall the fact of release constitute any such warranty. Furthermore, the software is released on condition that neither the USGS nor the U.S. Government shall be held liable for any damages resulting from its authorized or unauthorized use.

USGS Product Names Disclaimer: Any use of trade, firm, or product names is for descriptive purposes only and does not imply endorsement by the U.S. Government.

Application Version: 4.3.8

APPENDIX F –
NJDEP FHA VERIFICATION PLANS (ATTACHED
SEPARATELY)

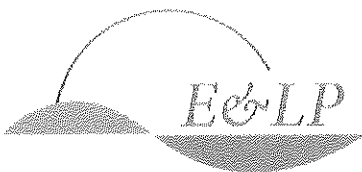
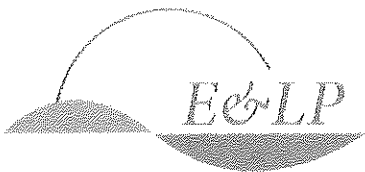
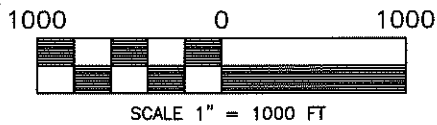
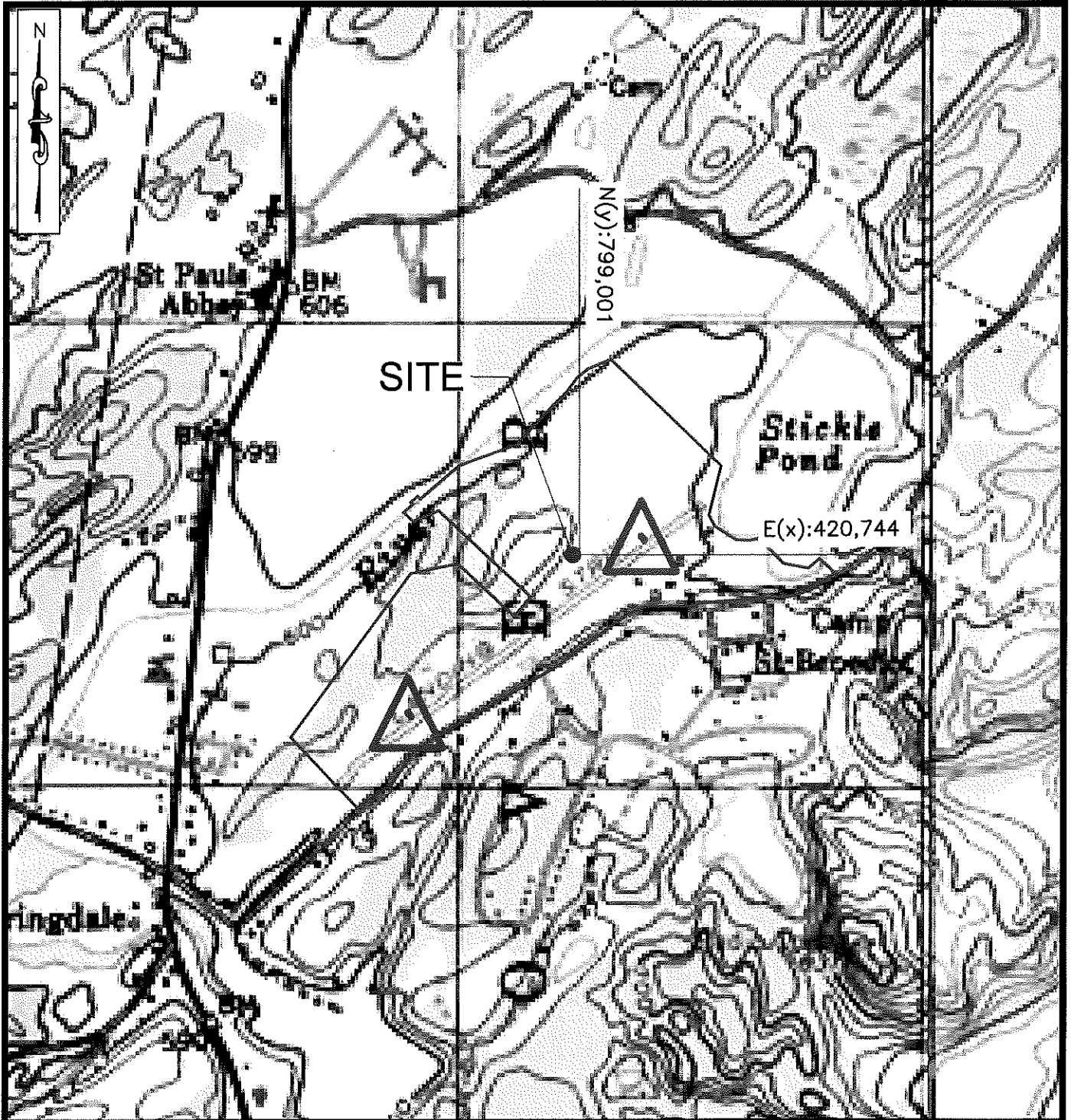




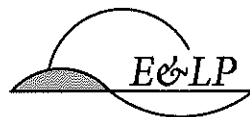
FIGURE 1 -
USGS MAP





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

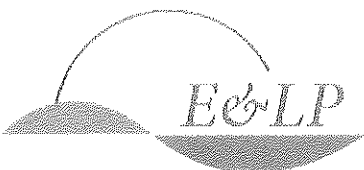
FILENAME: USGS.DWG

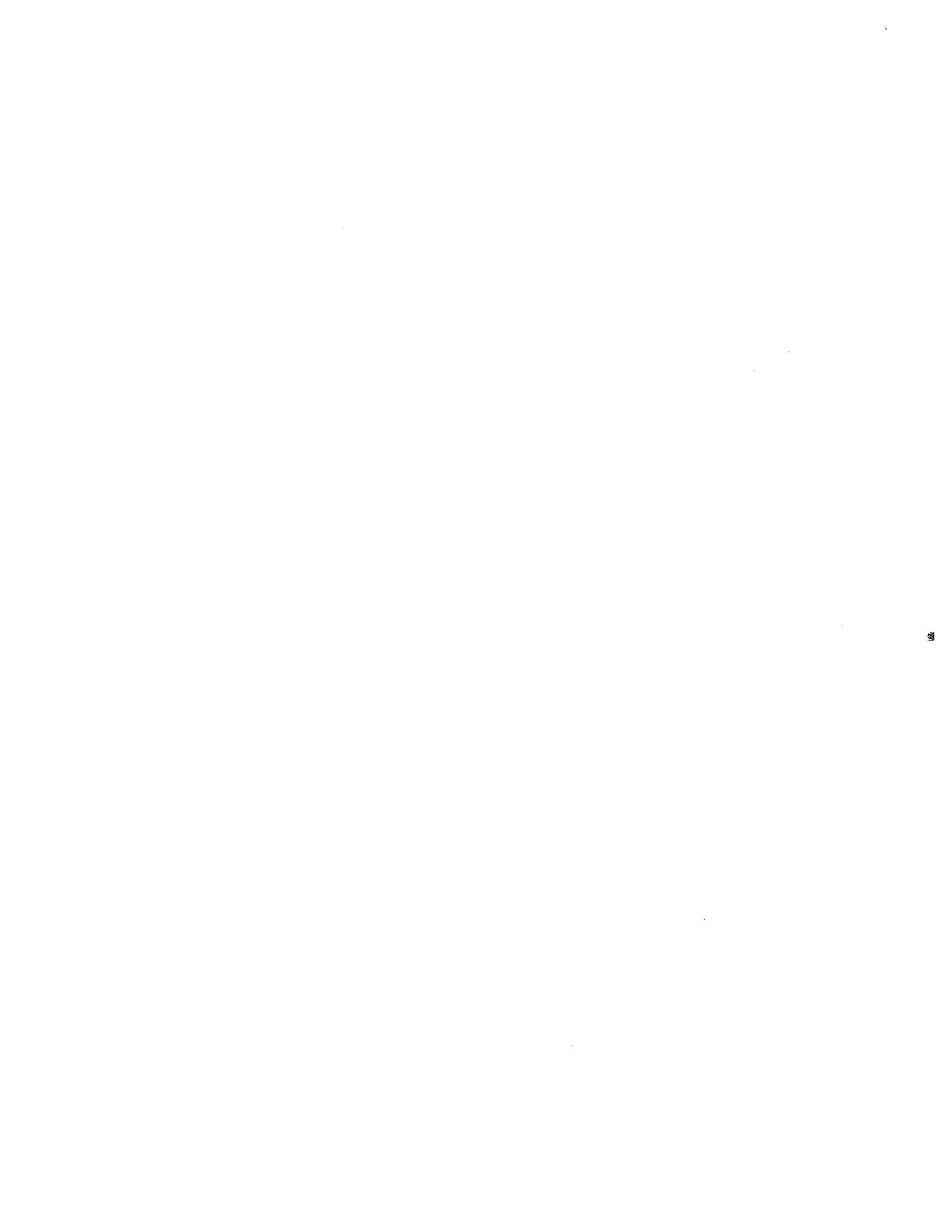
FIGURE No.

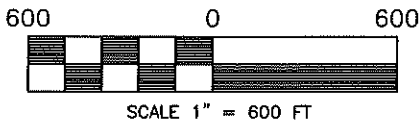
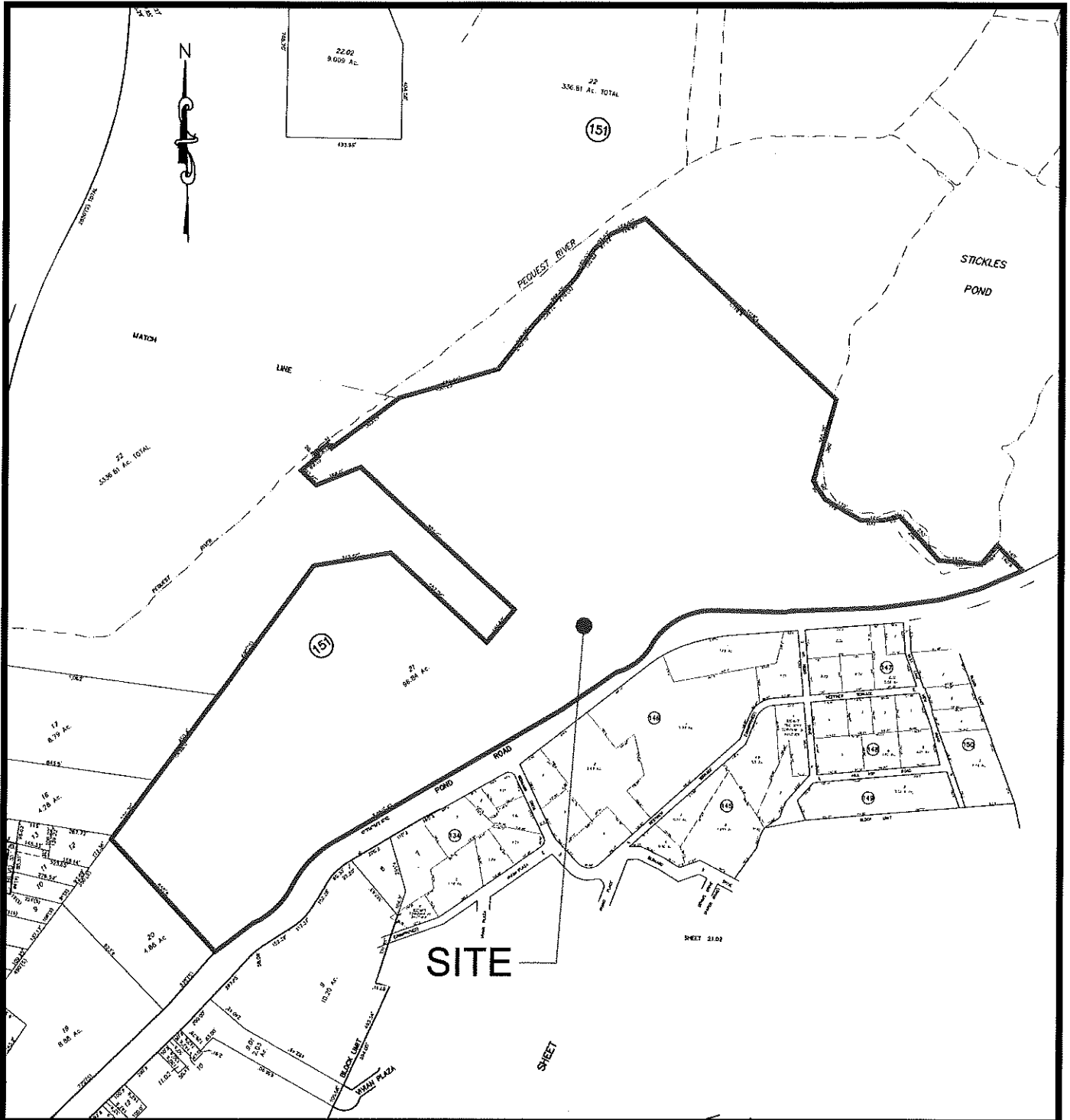
1

REFERENCES: USGS NEWTON WEST QUAD

FIGURE 2 —
TAX MAP







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.

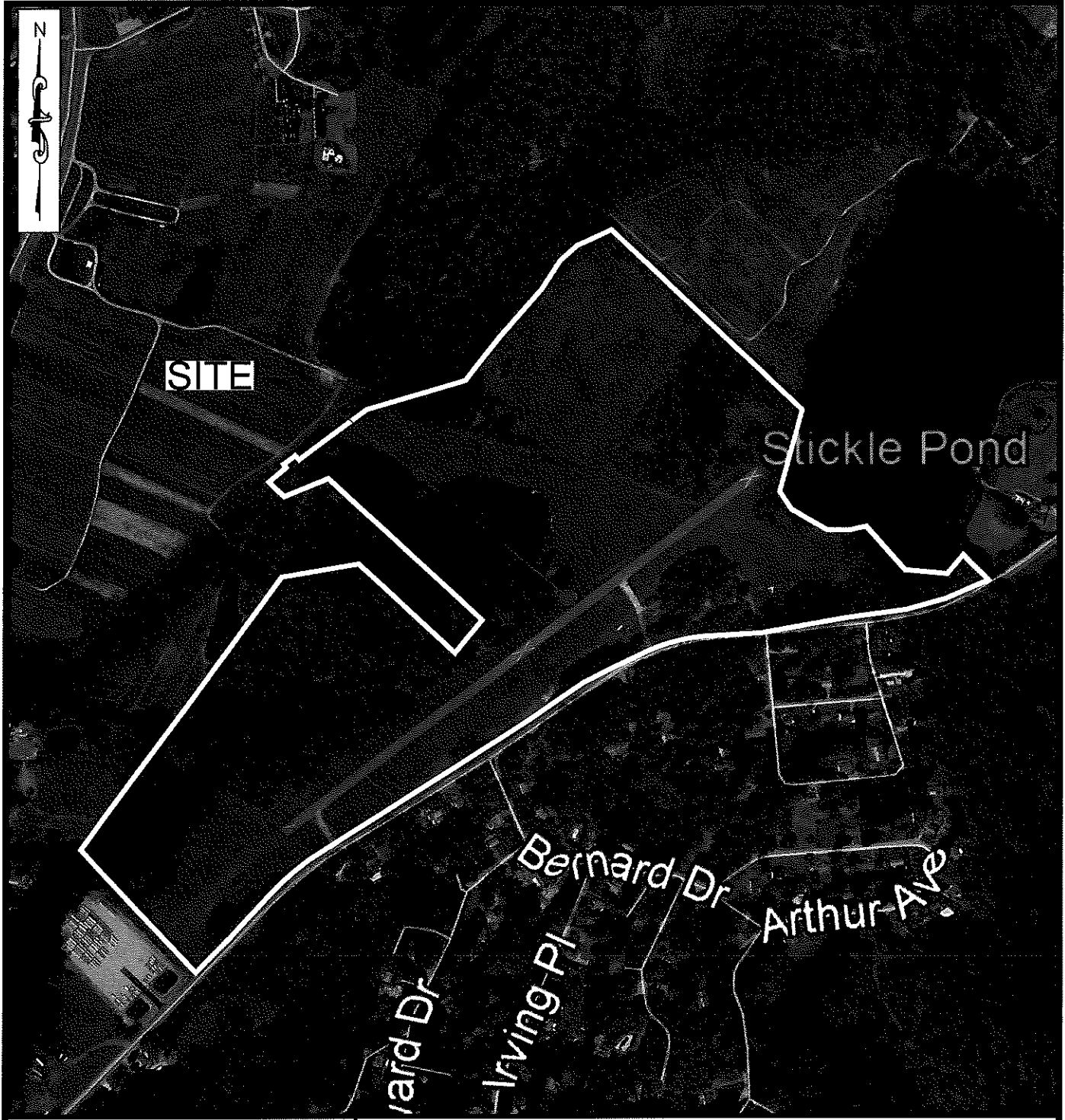
2

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

FIGURE 3 –
ROAD MAP







SITE

Stickles Pond

Lard Dr

Irving Pl

Bernard Dr

Arthur Ave

600 0 600



SCALE 1" = 600 FT

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

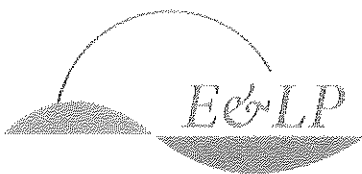
FILENAME: ROAD.DWG

FIGURE No.

3

REFERENCES: GOOGLE EARTH PRO

FIGURE 4 –
FEMA FLOOD INSURANCE RATE MAP





JOINS PANEL 0292

420000 FT

74°45'00" 41°01'52" E

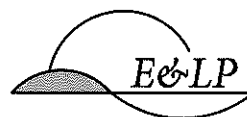


1000 0 1000



Scale 1" = 1000 ft

TITLE: FEMA FLOOD 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: FEMA.dwg

FIGURE No.
4

SOURCE:
FEMA FIRM PANEL 34037C0294E

