



Appendix H.

Letter of Interpretation Reports for Terminal and ARFF & NJDEP Verification Letters



State of New Jersey

PHILIP D. MURPHY
Governor

DEPARTMENT OF ENVIRONMENTAL PROTECTION

SHAWN M. LATOURETTE
Acting Commissioner

SHERIL A. Y. OLIVER
Lt. Governor

Division of Land Resource Protection
Mail Code 501-02A
P.O. Box 420
Trenton, New Jersey 08625-0420
www.nj.gov/dep/landuse

Melinda Montgomery
340 Scotch Road Suite 200
Ewing, NJ 08628

03/24/2021

**RE: Letter of Interpretation: Line Verification-Portion of a Site
File No. & Activity No.: 1102-10-0003.6 FWW200001
Applicant: Mercer County Airport @ Terminal Study Area
Block: 373; Portions of Lots: 45, 5, 6, & 7
Block: 423; Portions of Lot: 135
Ewing Township, Mercer County
Watershed: Alexauken Creek / Monre Creek / Jacobs Creek
Sub-watershed: Mercer (Calhoun Street to Jacobs Creek)**

Dear Mrs. Montgomery:

This letter is in response to your request for a Letter of Interpretation to have Division of Land Resource Protection (Division) staff verify the boundary of the freshwater wetlands and/or State open waters on a portion of the referenced property.

In accordance with agreements between the State of New Jersey Department of Environmental Protection, the U.S. Army Corps of Engineers Philadelphia and New York Districts, and the U.S. Environmental Protection Agency, the NJDEP, the Division is the lead agency for establishing the extent of State and Federally regulated wetlands and waters. The USEPA and/or USACE retain the right to reevaluate and modify the jurisdictional determination at any time should the information prove to be incomplete or inaccurate.

Based upon the information submitted, and upon a site inspection conducted by Division staff on October 21, 2020, the Division has determined that the wetlands and waters boundary line(s) as shown on the plan map entitled: **"LOI BOUNDARY & WETLANDS SURVEY PREPARED FOR TRENTON -- MERCER AIRPORT SITUATE IN EWING TOWNSHIP, MERCER COUNTY, NEW JERSEY"**, consisting of 9 sheet(s), dated February 25, 2020, last revised December 7, 2020, and prepared by Christopher A. Melick, P.L.S. of VanCleaf Engineering Associates, is accurate as shown.

The freshwater wetlands and waters boundary line(s), as determined in this letter, must be shown on any future site development plans. The line(s) should be labeled with the above DLUR file number and the following note:

"Freshwater Wetlands/Waters Boundary Line as verified by NJDEP."

Wetlands Resource Value Classification ("RVC")

In addition, the Division has determined that the resource value and the standard transition area or buffer required adjacent to the delineated wetlands are as follows:

Ordinary: The following wetlands are considered to be a man made "ditch": BB35 to BB 40; BB6 to BB11; EE6 to EE11; DD1 to DD17; FF28 to FF41; FF43 to FF47; FF13 to FF20; FF51 to FF58. The following wetlands is considered a "swale": BB45 to BB53. [No wetland buffer]

Intermediate: All remaining wetlands. [50 foot wetland buffer]

State Open Water: Within wetlands and as shown on the referenced plan. [No wetland buffer]

RVC may affect requirements for wetland and/or transition area permitting. This classification may affect the requirements for an Individual Wetlands Permit (see N.J.A.C. 7:7A-9 and 10), the types of Statewide General Permits available for the property (see N.J.A.C. 7:7A-5 and 7) and any modification available through a transition area waiver (see N.J.A.C. 7:7A-8). Please refer to the Freshwater Wetlands Protection Act (N.J.S.A. 13:9B-1 et seq.) and implementing rules for additional information.

Wetlands resource value classification is based on the best information available to the Department. The classification is subject to reevaluation at any time if additional or updated information is made available, including, but not limited to, information supplied by the applicant.

General Information

Pursuant to the Freshwater Wetlands Protection Act Rules, you are entitled to rely upon this jurisdictional determination for a period of five years from the date of this letter unless it is determined that the letter is based on inaccurate or incomplete information. Should additional information be disclosed or discovered, the Division reserves the right to void the original letter of interpretation and issue a revised letter of interpretation.

Regulated activities proposed within a wetland, wetland transition area or water area, as defined by N.J.A.C. 7:7A-2.2 and 2.3 of the Freshwater Wetlands Protection Act rules, require a permit from this office unless specifically exempted at N.J.A.C. 7:7A-2.4. The approved plan and supporting jurisdictional limit information are now part of the Division's public records.

Please be advised that any surface water features on the site or adjacent to the site may possess flood hazard areas and/or riparian zones and development within these areas may be subject to the Flood Hazard Area Control Act rules at N.J.A.C. 7:13. The Department can verify the extent of flood hazard areas and/or riparian zones through a flood hazard area verification under the application procedures set forth at N.J.A.C. 7:13-5.1.

This letter in no way legalizes any fill which may have been placed, or other regulated activities which may have occurred on-site. This determination of jurisdiction extent or presence does not make a finding that wetlands or water areas are "isolated" or part of a surface water tributary system unless specifically called out in this letter as such. Furthermore, obtaining this determination does not affect your responsibility to obtain any local, State, or Federal permits which may be required.

Recording

Within 90 calendar days of the date of this letter, the applicant shall submit the following information to the clerk of each county in which the site is located, and shall send proof to the Division that this information is recorded on the deed of each lot referenced in the letter of interpretation:

1. The Department file number for the letter of interpretation;
2. The approval and expiration date of the letter of interpretation;
3. A metes and bounds description of the wetland boundary approved under the letter of interpretation;
4. The width and location of any transition area approved under the letter of interpretation; and
5. The following statement: "The State of New Jersey has determined that all or a portion of this lot lies in a freshwater wetland and/or transition area. Certain activities in wetlands and transition areas are regulated by the New Jersey Department of Environmental Protection and some activities may be prohibited on this site or may first require a freshwater wetland permit. Contact the Division of Land Resource Protection at (609) 777-0454 or <http://www.nj.gov/landuse> for more information prior to any construction onsite."

Failure to have this information recorded in the deed of each lot and/or to submit proof of recording to the Division constitutes a violation of the Freshwater Wetlands Protection Act rules and may result in suspension or termination of the letter of interpretation and/or subject the applicant to enforcement action pursuant to N.J.A.C. 7:7A-22.

Appeal Process

In accordance with N.J.A.C. 7:7A-21, any person who is aggrieved by this decision may request a hearing within 30 days of the date the decision is published in the DEP Bulletin by writing to: New Jersey Department of Environmental Protection, Office of Legal Affairs, Attention: Adjudicatory Hearing Requests, Mail Code 401-04L, P.O. Box 402, 401 East State Street, 7th Floor, Trenton, NJ 08625-0402. This request must include a completed copy of the Administrative Hearing Request Checklist found at www.state.nj.us/dep/landuse/forms. Hearing requests received after 30 days of publication notice may be denied. The DEP Bulletin is available on the Department's website at www.state.nj.us/dep/bulletin. In addition to your hearing request, you may file a request with the Office of Dispute Resolution to engage in alternative dispute resolution. Please see the website www.nj.gov/dep/odr for more information on this process.

Please contact Maxwell Dolphin, of our staff by e-mail at maxwell.dolphin@dep.nj.gov or by phone at (609) 777-0454 should you have any questions regarding this letter. Be sure to indicate the Department's file number in all communication.

Sincerely,

Christopher Squazzo, Environmental Specialist III
Division of Land Resource Protection

c: Ewing Township Municipal Clerk w/ plan
Ewing Township Municipal Construction Official
Agent (original) w/ plan



**APPLICATION FOR
NJDEP LETTER OF INTERPRETATION, REGULATORY LINE VERIFICATION
FOR A PORTION OF THE SITE**

AT

**TRENTON-MERCER AIRPORT
TERMINAL REPLACEMENT STUDY AREA
BLOCK 373, PORTIONS OF LOTS 5, 6, 7, & 45
AND BLOCK 423, PORTION OF LOT 135
EWING TOWNSHIP, MERCER COUNTY, NEW JERSEY**

May 19, 2020

PREPARED FOR:

Urban Engineers, Inc.
220 Lake Drive, Suite 300
Cherry Hill, NJ 08002
Attn.: Dale Russell, P.E., *Associate Vice President/Deputy Practice Leader, Aviation*

APPLICANT:

Trenton-Mercer Airport
340 Scotch Road, Suite 200
Ewing, New Jersey 08628
Attn.: Melinda Montgomery, A.A.E., *Airport Manager*

PREPARED BY:

Amy Greene Environmental
4 Walter E. Foran Blvd., Suite 209
Flemington, NJ 08822
AGE #4362



May 19, 2020

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

VIA UPS GROUND

Re: Request for Letter of Interpretation, Regulatory Line Verification
for a Portion of a Site
Trenton-Mercer Airport
Terminal Replacement Study Area
Ewing Township, Mercer County, New Jersey

APPLICANT: Trenton-Mercer Airport
340 Scotch Road, Suite 200
Ewing, New Jersey 08628
Attn.: Melinda Montgomery, A.A.E., *Airport Manager*

Dear Application Support Unit:

On behalf of the applicant, Trenton-Mercer Airport, Amy S. Greene Environmental Consultants, Inc., doing business as Amy Greene Environmental (“AGE”), a Davey Company, is requesting a Letter of Interpretation (LOI), Regulatory Line Verification to verify the delineation of wetlands within a portion of the above referenced airport property. Jennifer LaStella, Sue Quackenbush, Bill Macholdt, Harry Strano, and Elizabeth Dancer of our staff performed the wetland delineation on November 29, 2018 and December 5, 10, and 11, 2018.

As per N.J.A.C. 7:7A-4.5(b)3i-iv of the Freshwater Wetlands Protection Act Rules, a Regulatory Line Verification (RLV) LOI will be issued for *a portion of a site* provided that the site is publicly owned; larger than 10 acres; the portion is no larger than 10 percent of the overall site; and the portion is clearly marked on the plan and in the field. Trenton-Mercer Airport consists of approximately 1,297 acres. This application is for an approximate 22.2-acre portion of the airport property, which is significantly less than 10 percent of the overall site.

In accordance with Section 7:7A-11.1 of the Freshwater Wetlands Protection Act Rules, we are submitting a check in the amount of \$3,300.00 [\$1,000.00 base fee plus \$100 per acre or any fraction thereof (22.2 acres)]. Also included in this application package one (1) copy of all items required for an LOI and five (5) copies of the “Overall Plan LOI Boundary & Wetlands Survey” (Sheets 1 through 9).

Application Support Unit
Page 2

If you have any questions concerning this submission, please feel free to contact me (ext. 4892) or Jennifer LaStella of our staff (ext. 4889).

Sincerely,

A handwritten signature in blue ink, appearing to read 'W. F. Macholdt', with a long horizontal flourish extending to the right.

William F. Macholdt, PWS
Department Manager

WFM/EM/JFL

Enclosures

Copy: Ewing Township Municipal Clerk (w/enc.)
Ms. Melinda Montgomery, Trenton-Mercer Airport (w/enc.)
Mr. Dale Russell, P.E., Urban Engineers, Inc.
AGE Project #4362



URBAN ENGINEERS, INC.

530 WALNUT STREET, 7TH FLOOR
PHILADELPHIA, PA 19106
215.922.8380

M&T Bank

60-295/313

51901

CHECK DATE

April 30, 2020

PAY Three Thousand Three Hundred and 00/100 Dollars

TO TREASURER - STATE OF NEW JERSEY

501 E State Street P.O. Box 420
501-02-A
Trenton, NJ 08625-0420

AMOUNT 3,300.00

VOID AFTER 60 DAYS

Kenneth R. Fulmer

William J. Hogan

AUTHORIZED SIGNATURE



⑈051901⑈ ⑆031302955⑆

9857592845⑈

URBAN ENGINEERS, INC.

51901

Check Date: 4/30/2020

Invoice Number	Date	Voucher	Amount	Discounts	Previous Pay	Net Amount
DLUR Fee TTN	4/24/2020	0074540	3,300.00			3,300.00
TREASURER - STATE OF NEW JERSEY		TOTAL	3,300.00			3,300.00
M&T operating	40	10893				

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SECTION #1

Request for Letter of Interpretation, Regulatory Line Verification
for a Portion of Trenton-Mercer Airport
Block 373, Portions of Lots 5, 6, 7, & 45
and Block 423, Portion of Lot 135
Ewing Township, Mercer County, New Jersey
AGE Project #4362

**NJDEP FRESHWATER WETLANDS LETTER OF INTERPRETATION
APPLICATION CHECKLIST**



State of New Jersey
Department of Environmental Protection

Revised: January 2019

Website: www.nj.gov/dep/landuse



FRESHWATER WETLANDS PROTECTION ACT RULES

APPLICATION CHECKLIST

Letter of Interpretation: Line Verification

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

To apply for a letter of interpretation, 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

Please note: If you apply for a letter of interpretation and a permit, authorization, or waiver at the same time, the application requirements may be combined.

1. Completed application form;
2. Documentation that notice of the application has been provided in accordance with N.J.A.C. 7:7A-17, as follows:

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.

- i. 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.

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:**
Unless the LOI is submitted with an application for a project listed at N.J.A.C. 7:7A-17.3(c)1-5 (which require different notice to property owners as described in the rules), 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.

ii. Documentation of compliance with this requirement shall consist of:

- A. A copy of the certified United States Postal Service white mailing receipt for each public notice that was mailed, or other written receipt; and
- B. 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.

iii. 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 letter of interpretation <<has been/will be>> submitted to the New Jersey Department of Environmental Protection, Division of Land Use Regulation for the site shown on the enclosed plan(s). A brief description of the proposed project follows: <<INSERT DESCRIPTION OF THE SITE AND ANY 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"*

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

Please refer to this portion of the rules for guidance on providing newspaper notice for certain large scale linear, public, or commercial projects.

3. 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:

- i. If not located in the Pinelands Area, made payable to "Treasurer State of New Jersey"
- ii. If located in the Pinelands Area, made payable to "NJDEP-Pinelands Wetlands Program."

4. State plane coordinates in accordance with N.J.A.C. 7:7A-16.7(a)

- i. If submitted with an application for a linear project of one-half mile or longer, include State plane coordinates at the endpoints of the project and State plane coordinates for points located at 1,000-foot intervals along the entire length of the project;
- ii. If submitted with an application for a linear project of less than one-half mile in length, include State plane coordinates at the endpoints of the project;

iii. If submitting an application for only an LOI, or an LOI and any other project, State plane coordinates at the approximate center of the site (within 50 feet of the actual center).

5. One set of color photographs showing a representative sample of the vegetation on the site or portion(s) of the site affected by the LOI application. Photographs must be mounted on 8½ -inch by 11-inch paper and accompanied by a map showing the location and direction from which each photograph was taken. Copies of photographs are acceptable provided they are color copies. Black and white copies of photographs are not acceptable.

6. 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;
- iii. A copy of the county soil survey map with the site clearly outlined; and
- iv. A copy of the USGS quad map(s) that include the site, with the site clearly outlined to scale.

7. Documentation of the name(s) and qualification(s) of the person(s) who prepared the application. For a Line Verification LOI, this includes the person who performed the delineation.

8. Data sheets for sample locations including:

- i. Soil borings: Soil logs describing the soil characteristics at the location of each soil boring, including a description of the field indicators, or lack thereof, for hydrology as outlined in the 1989 Federal manual;
- ii. Vegetation: A description of the vegetative species on the site recorded at each soil boring location classified using the United States Fish and Wildlife Service (USFWS) categories listed under "R/IND" and "NAT-IND" (Regional and National Indicators) columns in the "National Wetlands Plant List" and amendments thereto, compiled by the USFWS, United States Army Corps of Engineers, USEPA and the USDA's Natural Resources Conservation Service;

9. Survey: Five (5) folded copies of a topographical survey of the site; drawn at a scale of no more than 1 inch to 50 feet, certified in accordance with N.J.A.C. 7:7A-16.2(j), signed and sealed by a licensed surveyor pursuant to N.J.A.C. 13:40-7.2 through 7.4 and N.J.A.C. 7:7A-16.2(h) and 16.3(a)4, which:

- i. Includes the site boundaries (If applying for a line verification for an entire site) or identifies the portion of the site (which meets the requirements of N.J.A.C. 7:7A-4.5(b)2-3) subject to the verification
- ii. Proposed boundaries of all on-site wetlands, and/or State Open Waters plus all transition areas (boundary of transition area can be added prior to application or during review);
 - A. When delineating a State open water one to five feet in width measured from top of bank, with no wetland boundary, the delineation shall indicate the centerline of the State open water with several data points numbered and shown on the plans. When delineating a State open water that is greater than five feet in width, the delineation shall include two survey lines, with numbered points, depicting the top of bank on both sides of the State open water;
- iii. Depicts the flags or stakes identifying the boundaries in the field, sequentially numbered, and sequentially numbered line segments between each flag or stake;
- iv. Identifies the location and identifying number of each sample location described in item A above;
- v. Topographic contours as follows:
 - A. If the site is located in Middlesex County or Mercer County or anywhere north of these counties, the survey must show topographic contours at intervals of no more than five feet;
 - B. If the site is located south of Middlesex and Mercer Counties, the survey must show topographic contours at intervals of no more than two feet

- vi. A digital copy, georeferenced in NAD 83, of any survey can also be provided in addition to the paper.

10. Site requirements:

- i. Boundary Markers: The property boundaries and the proposed boundaries of all wetlands and/or open waters must be flagged and/or staked on the site as follows:
 - A. All flags and/or stakes must be present on the site prior to submission of the application to the Department;
 - B. The flags and/or stakes must be no more than 75 feet apart, must be set in relation to identifiable points and landmarks if possible and from each flag and/or stake you should be able to see the adjacent ones;
 - C. Each flag and/or stake must be uniquely (sequentially if possible) numbered and identified on the survey;
 - D. Flag and/or stakes shall be positioned so that they can be clearly visible at any time and any weather condition during the year, i.e. care should be taken so that flags and/or stakes are not positioned in a location likely to be covered by snow in the winter or overgrown in the summer.
 - E. Flags should not be tied to dead or annual vegetation.
- ii. Sample locations: All sample locations referenced in the data sheets must be clearly marked in the field.

11. Isolated wetland: If the applicant would like the Department to verify that a wetland is an isolated wetland, a request for that determination, and supporting documentation demonstrating that the wetland is isolated. For example, if inlets or pipes are present in the vicinity of the subject wetland, a map of the storm sewer system depicting the endpoint and invert elevations of the inlet or pipe.

SECTION #2

Request for Letter of Interpretation, Regulatory Line Verification
for a Portion of Trenton-Mercer Airport
Block 373, Portions of Lots 5, 6, 7, & 45
and Block 423, Portion of Lot 135
Ewing Township, Mercer County, New Jersey
AGE Project #4362

NJDEP DIVISION OF LAND USE REGULATION (DLUR) APPLICATION FORM



State of New Jersey
Department of Environmental Protection
Division of Land Use Regulation

Application Form for Permit(s)/Authorization(s)
501 E. State Street Mail Code 501-02A P.O. Box 420
Trenton, NJ 08625-0420

Phone #: (609) 777-0454 Web: www.nj.gov/dep/landuse



Please print legibly or type the following: Complete all sections and pages unless otherwise noted. Is this project a NJDOT Priority 1 Repair Project? Yes ☐ No ☒

Initial Application ☒ Response to DLUR Deficiency ☐ Extension / Modification ☐ Is this project a NJDOT Priority 2 Repair Project? Yes ☐ No ☒

1. Applicant Name: Mr./Ms./Mrs. Melinda Montgomery, A.A.E., Airport Manager
Trenton-Mercer Airport E-Mail: mmontgomery@mercercounty.org
Address: 340 Scotch Road, Suite 200 Daytime Phone: 609-882-1601 Ext.
City/State: Ewing / New Jersey Zip Code 08628 Cell Phone:
2. Agent Name: Mr./Ms./Mrs. William F. Macholdt, Department Manager
Firm Name: Amy S. Greene Environmental Consultants, Inc. E-Mail: jennifer.lastella@davey.com (Project Manager)
Address: 4 Walter E. Foran Blvd., Suite 209 Daytime Phone: 908-788-9676 Ext. 38
City/State: Flemington / New Jersey Zip Code 08822 Cell Phone:
3. Property Owner: Mr./Ms./Mrs. Melinda Montgomery, A.A.E., Airport Manager
Trenton-Mercer Airport / County of Mercer E-mail: mmontgomery@mercercounty.org
Address: 340 Scotch Road, Suite 200 Daytime Phone: 609-882-1601 Ext.
City/State: Ewing / New Jersey Zip Code 08628 Cell Phone:
4. Project Name: Trenton-Mercer Airport - Terminal Replacement Study Area Address/Location: Sam Weinroth Road
Municipality: Ewing Township County: Mercer County Zip Code 08628
Block(s): 373 // 423 Lot(s): Portions of Lots 5, 6, 7 & 45 // Portion of Lot 135
N.A.D. 1983 State Plane Coordinates (feet) E(x): 402,828' N(y): 524,862' Not Longitude/Latitude
Watershed: Alexauken Ck / Moore Ck / Jacobs Ck Subwatershed: Mercer (Calhoun St to Jacobs Creek)
Nearest Waterway: Unnamed Tributary to the Delaware River
5. Project Description: The applicant is seeking a Letter of Interpretation, Regulatory Line Verification for a Portion of Site in accordance with N.J.A.C. 7:7A-4.5(b)3.

Provide if applicable: Previous LUR File # (s): See Attached, Section #2 of LOI Application

Waiver request ID # (s):

A. SIGNATURE OF APPLICANT (required):

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining and preparing the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for knowingly submitting false information, including the possibility of fine and imprisonment. If the applicant is an organization such as a corporation, municipal entity, home-owners association etc., the party responsible for the application shall sign on behalf of the organization.

R.P. [Signature]
Signature of Applicant

5/13/2020
Date

Melinda Montgomery, A.A.E., Airport Manager, Trenton-Mercer Airport
Print Name

Signature of Applicant

Date

Print Name

B. PROPERTY OWNER'S CERTIFICATION

I hereby certify that the undersigned is the **owner of the property** upon which the proposed work is to be done. This endorsement is certification that the owner/easement holder grants permission for the conduct of the proposed activity. In addition, written consent is hereby given to allow access to the site by representatives or agents of the Department for the purpose of conducting a site inspection(s) or survey(s) of the property in question.

In addition, the undersigned property owner hereby certifies:

1. Whether any work is to be done within an easement? Yes ☐ No ☒
(If answer is "Yes" - Signature/title of responsible party is required below)
2. Whether any part of the entire project will be located within property belonging to the State of New Jersey? Yes ☐ No ☒
3. Whether any work is to be done on any property owned by any public agency that would be encumbered by Green Acres? Yes ☐ No ☒
4. Whether this project requires a Section 106 (National Register of Historic Places) Determination as part of a federal approval? Yes ☐ No ☒

P.F. [Signature]
Signature of Owner
5/13/2020
Date
Melinda Montgomery, A.A.E., Airport Manager, Trenton-Mercer Airport / Co. of Mercer
Print Name

Signature of Owner/Easement Holder

Date

Print Name/Title

C. APPLICANT'S AGENT

I, Melinda Montgomery, the Applicant/Owner and _____, co-Applicant/Owner authorize to act as my agent/representative in all matters pertaining to my application the following person:

William F. Macholdt
Name of Agent
Department Manager, Amy S. Greene Environmental Consultants, Inc.
Occupation/Profession of Agent

P.F. [Signature]
Signature of Applicant/Owner

Signature of co-Applicant/Owner

AGENT'S CERTIFICATION:

I agree to serve as agent for the above-referenced applicant:

Signature of Agent

Amy S. Greene Environmental Consultants, Inc.
Name of Firm

D. STATEMENT OF PREPARER OF PLANS, SPECIFICATIONS, SURVEYOR'S OR ENGINEER'S REPORT

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining and preparing the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for knowingly submitting false information, including the possibility of fine and imprisonment.

Signature

Print Name

Position & Name of Firm

Professional License # Date

E. STATEMENT OF PREPARER OF APPLICATION, REPORTS AND/OR SUPPORTING DOCUMENTS (other than engineering)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining and preparing the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for knowingly submitting false information, including the possibility of fine and imprisonment.

Signature
William F. Macholdt
Print Name
Department Manager, Amy S. Greene Environmental Consultants, Inc.
Position & Name of Firm

Professional License # Date
(If Applicable)

B. PROPERTY OWNER'S CERTIFICATION

I hereby certify that the undersigned is the owner of the property upon which the proposed work is to be done. This endorsement is certification that the owner/easement holder grants permission for the conduct of the proposed activity. In addition, written consent is hereby given to allow access to the site by representatives or agents of the Department for the purpose of conducting a site inspection(s) or survey(s) of the property in question.

In addition, the undersigned property owner hereby certifies:

- | | |
|--|--|
| 1. Whether any work is to be done within an easement? | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| (If answer is "Yes" - Signature/title of responsible party is required below) | |
| 2. Whether any part of the entire project will be located within property belonging to the State of New Jersey? | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| 3. Whether any work is to be done on any property owned by any public agency that would be encumbered by Green Acres? | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| 4. Whether this project requires a Section 106 (National Register of Historic Places) Determination as part of a federal approval? | Yes <input type="checkbox"/> No <input type="checkbox"/> |

Signature of Owner

Date

Melinda Montgomery, A.A.E., Airport Manager, Trenton-Mercer Airport / Co. of Mercer
Print Name

Signature of Owner/Easement Holder

Date

Print Name/Title

C. APPLICANT'S AGENT

I, Melinda Montgomery, the Applicant/Owner and _____, co-Applicant/Owner authorize to act as my agent/representative in all matters pertaining to my application the following person:

William F. Mechold

Name of Agent

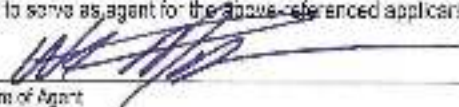
Department Manager, Amy S. Greene Environmental Consultants, Inc.
Occupation/Profession of Agent

Signature of Applicant/Owner

Signature of co-Applicant/Owner

AGENT'S CERTIFICATION:

I agree to serve as agent for the above-referenced applicant:


Signature of Agent

Amy S. Greene Environmental Consultants, Inc.

Name of Firm

D. STATEMENT OF PREPARER OF PLANS, SPECIFICATIONS,**SURVEYOR'S OR ENGINEER'S REPORT**

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining and preparing the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for knowingly submitting false information, including the possibility of fine and imprisonment.

Signature

Print Name

Position & Name of Firm

Professional License #

Date

E. STATEMENT OF PREPARER OF APPLICATION, REPORTS AND/OR**SUPPORTING DOCUMENTS (other than engineering)**

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining and preparing the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for knowingly submitting false information, including the possibility of fine and imprisonment.


Signature

William F. Mechold

Print Name

Department Manager, Amy S. Greene Environmental Consultants, Inc.

Position & Name of Firm

N/A
Professional License #
(If applicable)

Date

4/16/2020

FEE CALCULATION TIPS:

- Whenever the calculation requires an acreage figure (including the Stormwater calculations), you will need to round UP to the nearest whole number, for example: 0.25 acres gets rounded up to one (1) acre or 2.61 acres gets rounded up to three (3) acres.
- The maximum fee for a CAFRA Individual permit, an Upland Waterfront Development permit, or an In-Water Waterfront Development permit is \$30,000 per permit type. For example: if you are applying for both an upland and an in-water Waterfront Development the maximum fee is applied to each permit for a maximum total of \$60,000 plus any applicable stormwater review fee.
- The stormwater review fee is applied only one time per project, maximum of \$20,000, regardless of multiple applications.

APPLICATION(S) FOR: Please check each permit/authorization that you are applying for and fill in the calculated fee (for each) in the "Fee Paid" column

	Coastal General Permits	Fee Amount	Fee Paid
<input type="checkbox"/>	CZMGP1 Amusement Pier Expansion	\$1,000.00	
<input type="checkbox"/>	CZMGP2 Beach/Dune Activities	\$1,000.00	
<input type="checkbox"/>	CZMGP3 Voluntary Reconstruction Certain Residential/Commercial Dev.	\$1,000.00	
<input type="checkbox"/>	CZMGP4 Development of one or two SFH or Duplexes	\$1,000.00	
<input type="checkbox"/>	CZMGP5 Expansion or Reconstruction SFH/Duplex	\$1,000.00	
<input type="checkbox"/>	CZMGP6 New Bulkhead/Fill Lagoon	\$1,000.00	
<input type="checkbox"/>	CZMGP7 Revetment at SFH/Duplex	\$1,000.00	
<input type="checkbox"/>	CZMGP8 Gabions at SFH/Duplex	\$1,000.00	
<input type="checkbox"/>	CZMGP9 Support Facilities at a Marina	\$1,000.00	
<input type="checkbox"/>	CZMGP10 Reconstruction of Existing Bulkhead	\$1,000.00	
<input type="checkbox"/>	CZMGP11 Hazard Waste Clean-up	\$1,000.00	
<input type="checkbox"/>	CZMGP12 Landfall of Utilities	\$1,000.00	
<input type="checkbox"/>	CZMGP13 Recreation Facility at Public Park	\$1,000.00	
<input type="checkbox"/>	CZMGP14 Bulkhead Construction & Fill Placement	\$1,000.00	
<input type="checkbox"/>	CZMGP15 Construction of Piers/Docks/Ramps in Lagoons	\$1,000.00	
<input type="checkbox"/>	CZMGP16 Minor Maintenance Dredging in Lagoons	\$1,000.00	
<input type="checkbox"/>	CZMGP17 Eroded Shoreline Stabilization	\$1,000.00	
<input type="checkbox"/>	CZMGP18 Avian Nesting Structures	\$1,000.00	
<input type="checkbox"/>	CZMGP19 Modification of Electrical Substations	\$1,000.00	
<input type="checkbox"/>	CZMGP20 Legalization of the Filling of Tidelands	\$1,000.00	
<input type="checkbox"/>	CZMGP21 Construction of Telecommunication Towers	\$1,000.00	
<input type="checkbox"/>	CZMGP22 Construction of Tourism Structures	\$1,000.00	
<input type="checkbox"/>	CZMGP23 Geotechnical Survey Borings	\$1,000.00	
<input type="checkbox"/>	CZMGP24 Habitat Creation, Restoration, Enhancement, Living Shorelines	No Fee	No Fee
<input type="checkbox"/>	CZMGP25 1 to 3 Turbines < 200 Feet	\$1,000.00	
<input type="checkbox"/>	CZMGP26 Wind Turbines < 250 Feet	\$1,000.00	
<input type="checkbox"/>	CZMGP27 Dredge Lagoon (post storm event)	\$1,000.00	
<input type="checkbox"/>	CZMGP28 Dredge post Bulkhead Failure	\$1,000.00	
<input type="checkbox"/>	CZMGP29 Dredge Marina (post storm event)	\$1,000.00	
<input type="checkbox"/>	CZMGP30 Aquaculture Activities	\$1,000.00	
<input type="checkbox"/>	CZMGP31 Placement of Shell (shellfish areas)	\$1,000.00	
<input type="checkbox"/>	CZMGP32 Application of Herbicide in Coastal Wetlands	\$1,000.00	
<input type="checkbox"/>	CZM Permit-by-Certification (On-line application ONLY)	\$1000.00	

	Coastal Individual Permits	Fee Amount	Fee Paid
<input type="checkbox"/>	CAFRA – IP SFH or Duplex	\$2,000	
<input type="checkbox"/>	CAFRA – IP Residential not SFH/duplex	\$3,000 x _____ # of units	
<input type="checkbox"/>	CAFRA – IP Commercial, Industrial or Public	\$3,000 x _____ acres of the site	
<input type="checkbox"/>	WFD - IP SFH or Duplex (Upland/Landward of MHWL)	\$2,000	
<input type="checkbox"/>	WFD – IP Residential not SFH/duplex (Upland/Landward of MHWL)	\$3,000 x _____ # of units	
<input type="checkbox"/>	WFD – IP Commercial, Industrial or Public Development (Upland/Landward of MHWL)	\$3,000 x _____ acres of the site	
<input type="checkbox"/>	WFD - IP SFH or Duplex (Waterward of MHWL)	\$2,000	
<input type="checkbox"/>	WFD – IP Residential not SFH/duplex (Waterward of MHWL)	\$3,000 x _____ acres of water area impacted	
<input type="checkbox"/>	WFD – IP Commercial, Industrial or Public Development (Waterward of MHWL)	\$3,000 x _____ acres of water area impacted	
<input type="checkbox"/>	CSW – IP SFH or Duplex	\$2,000	
<input type="checkbox"/>	CSW – IP All Development not SFH/duplex	\$3,000 x _____ acres of wetlands disturbed	

	Additional Coastal Authorizations	Fee Amount	Fee Paid
<input type="checkbox"/>	Modification of a Coastal GP	\$500	
<input type="checkbox"/>	Minor Technical Modification of a Coastal Wetland Permit	\$500 x _____ # of items to be revised	
<input type="checkbox"/>	Minor Technical Modification of a CAFRA IP	\$500 x _____ # of items to be revised	
<input type="checkbox"/>	Minor Technical Modification of a Waterfront IP	\$500 x _____ # of items to be revised	
<input type="checkbox"/>	Major Technical Modification of a Coastal Wetland Permit	0.30 x _____ original fee = Fee (Minimum \$500)	
<input type="checkbox"/>	Major Technical Modification of a CAFRA IP	0.30 x _____ original fee = Fee (Minimum \$500)	
<input type="checkbox"/>	Major Technical Modification of a Waterfront IP	0.30 x _____ original fee = Fee (Minimum \$500)	
<input type="checkbox"/>	Zane Letter (Waterfront Development Exemption)	\$500	
<input type="checkbox"/>	CAFRA Exemption Request	\$500	
<input type="checkbox"/>	CZM General Permit Extension	\$240 x _____ # of GPs to be extended	
<input type="checkbox"/>	Waterfront Development Individual Permit – Extension (Waterward of MHWL)	0.25 x _____ original fee = Fee (Maximum \$3,000)	
<input type="checkbox"/>	Meadowlands District Water Quality Certificate	\$5,000 + (\$2,500 x _____ # acres regulated area disturbed)	
<input type="checkbox"/>	Individual Permit Equivalency/CERCLA	No Fee	No Fee

	Consistency Determination	Fee Amount	Fee Paid
<input type="checkbox"/>	Water Quality Certificate (NOTE: No fee required under the coastal program)	\$5,000 + (\$2,500 x _____ # acres regulated area disturbed)	
<input type="checkbox"/>	Federal Consistency	No Fee	No Fee

APPLICATION(S) FOR: Please check each permit/authorization that you are applying for and fill in the calculated fee (for each) in the "Fee Paid" column

	Freshwater Wetlands General Permits	Fee Amount	Fee Paid
<input type="checkbox"/>	FWGP1 Main. & Repair Exist Feature	\$1,000.00	
<input type="checkbox"/>	FWGP2 Underground Utility Lines	\$1,000.00	
<input type="checkbox"/>	FWGP3 Discharge of Return Water	\$1,000.00	
<input type="checkbox"/>	FWGP4 Hazard Site Invest/Cleanup	\$1,000.00	
<input type="checkbox"/>	FWGP5 Landfill Closures	\$1,000.00	
<input type="checkbox"/>	FWGP6 Filling of Non-Tributary Wetlands	\$1,000.00	
<input type="checkbox"/>	FWGP6A TA Adj. to Non-Tributary Wetlands	\$1,000.00	
<input type="checkbox"/>	FWGP7 Human-made Ditches/Swales in Headwaters	\$1,000.00	
<input type="checkbox"/>	FWGP8 House Additions	\$1,000.00	
<input type="checkbox"/>	FWGP9 Airport Sight-line Clearing	\$1,000.00	
<input type="checkbox"/>	FWGP10A Very Minor Road Crossings	\$1,000.00	
<input type="checkbox"/>	FWGP10B Minor Road Crossings	\$1,000.00	
<input type="checkbox"/>	FWGP11 Outfalls / Intakes Structures	\$1,000.00	
<input type="checkbox"/>	FWGP12 Surveying and Investigating	\$1,000.00	
<input type="checkbox"/>	FWGP13 Lake Dredging	\$1,000.00	
<input type="checkbox"/>	FWGP14 Water Monitoring Devices	\$1,000.00	
<input type="checkbox"/>	FWGP15 Mosquito Control Activities	\$1,000.00	
<input type="checkbox"/>	FWGP16 Creation/Restoration/Enhancement Habitat	No Fee	No Fee
<input type="checkbox"/>	FWGP17 Trails / Boardwalks	\$1,000.00	
<input type="checkbox"/>	FWGP17A Non-Motorized Multi-Use Paths	\$1,000.00	
<input type="checkbox"/>	FWGP18 Dam Repairs	\$1,000.00	
<input type="checkbox"/>	FWGP19 Docks and Piers	\$1,000.00	
<input type="checkbox"/>	FWGP20 Bank Stabilization	\$1,000.00	
<input type="checkbox"/>	FWGP21 Above Ground Utility Lines	\$1,000.00	
<input type="checkbox"/>	FWGP22 Expansion Cranberry Growing (Pinelands)	No Fee	No Fee
<input type="checkbox"/>	FWGP23 Spring Developments	\$1,000.00	
<input type="checkbox"/>	FWGP24 Malfunctioning Individual Septic Systems	No Fee	No Fee
<input type="checkbox"/>	FWGP25 Minor Channel / Stream Cleaning	\$1,000.00	
<input type="checkbox"/>	FWGP26 Redevelop Previously Disturbed Site	\$1,000.00	
<input type="checkbox"/>	FWGP27 Application of herbicide in wetlands	\$1,000.00	

	Highlands	Fee Amount	Fee Paid
<input type="checkbox"/>	Pre-application Meeting	\$500.00	
<input type="checkbox"/>	Resource Area Determination Boundary Delineation < one acre	\$500.00	
<input type="checkbox"/>	Resource Area Footprint of Disturbance	\$500 + (\$50 x _____ # of acres of the site)	
<input type="checkbox"/>	Resource Area Determination Verification (> one acre)	\$750 + (\$100 x _____ # of acres of the site)	
<input type="checkbox"/>	Resource Area Determination Extension	0.25 x _____ original fee (Minimum \$250)	
<input type="checkbox"/>	HPAAGP 1/ Habitat Creation/Enhance	No Fee	No Fee
<input type="checkbox"/>	HPAAGP 2 Bank Stabilization	\$500.00	
<input type="checkbox"/>	Preservation Area Approval (PAA)		
<input type="checkbox"/>	PAA with Waiver (Specify type below)		
	Waiver Type:		
<input type="checkbox"/>	HPAA Extension	\$1,000	

	Freshwater Individual Permits	Fee Amount	Fee Paid
<input type="checkbox"/>	FWW IP-SFH/Duplex-Wetlands	\$2,000	
<input type="checkbox"/>	FWW IP-Wetlands (not SFH/Duplex)	\$5,000 + (\$2,500 x _____ # acres FWW disturbed)	
<input type="checkbox"/>	FWW IP-SFH/Duplex-Open Water	\$2,000	
<input type="checkbox"/>	FWW IP-Open Water (not SFH/Duplex)	\$5,000 + (\$2,500 x _____ # acres FWW disturbed)	

	Freshwater Wetlands Transition Area Waivers	Fee Amount	Fee Paid
<input type="checkbox"/>	TAW Averaging Plan	<i>With valid LOI</i> \$1,000 + (\$100 x _____ # acres TA disturbed)	
<input type="checkbox"/>	TAW Hardship Reduction		
<input type="checkbox"/>	TAW Reduction per N.J.A.C. 7:7A-8.1(d)		
<input type="checkbox"/>	TAW Special Activity Individual Permit		
<input type="checkbox"/>	TAW Special Activity Linear Development	<i>Without valid LOI</i> \$1000 + (\$100 x _____ acres TA disturbed) + LOI Fee	
<input type="checkbox"/>	TAW Special Activity Redevelopment		
<input type="checkbox"/>	TAW Special Activity Stormwater		

	Letter of Interpretation	Fee Amount	Fee Paid
<input type="checkbox"/>	LOI Presence Absence	\$1,000.00	
<input type="checkbox"/>	LOI Footprint of Disturbance (3 Maximum)	\$1,000.00 each	
<input type="checkbox"/>	LOI Delineation < 1.00 Acres	\$1,000.00	
<input type="checkbox"/>	LOI Verification	\$1,000 + (\$100 x _____ # of acres of the site)	
<input checked="" type="checkbox"/>	LOI Partial Site Verification	\$1,000 + (\$100 x 23 _____ # of acres of the site subject to LOI)	\$3,300.00
<input type="checkbox"/>	LOI Extension Presence/Absence, Footprint, Delineation < 1 acre (Re-Issuance)	\$500	
<input type="checkbox"/>	LOI Extension Line Verification (Re-Issuance)	0.50 x _____ original fee (Minimum \$500)	

	Additional Freshwater Wetlands Authorizations	Fee Amount	Fee Paid
<input type="checkbox"/>	FWGP Administrative Modification	No fee	No Fee
<input type="checkbox"/>	FWGP Minor technical modification	\$500.00	
<input type="checkbox"/>	FWGP Major technical modification	\$500.00	
<input type="checkbox"/>	Individual Permit Administrative Modification	No Fee	No Fee
<input type="checkbox"/>	Individual Permit Minor Technical Modification	\$500.00	
<input type="checkbox"/>	Individual Permit Major Technical Modification	0.30 x _____ original fee (Minimum \$500)	
<input type="checkbox"/>	TAW Administrative Modification	No Fee	No Fee
<input type="checkbox"/>	TAW Minor Technical Modification	\$500.00	
<input type="checkbox"/>	TAW Major Technical Modification	0.30 x _____ original fee (Minimum \$500)	
<input type="checkbox"/>	FWGP Extension	\$500 x _____ # of items to be extended	
<input type="checkbox"/>	Individual Permit/Open Water Permit Extension	0.30 x _____ original fee (Minimum \$500)	
<input type="checkbox"/>	TAW Extension	\$500 x _____ # of items to be extended	
<input type="checkbox"/>	Freshwater Wetlands Exemption	\$500.00	
<input type="checkbox"/>	TAW Exemption	\$500.00	
<input type="checkbox"/>	Permit Equivalency/CERCLA	No Fee	No Fee

APPLICATION(S) FOR: Please check each permit/authorization that you are applying for and fill in the calculated fee (for each) in the "Fee Paid" column

	Flood Hazard Area General Permits	Fee Amount	Fee Paid
<input type="checkbox"/>	FHAGP1 Channel Clean w/o Sediment Removal	No Fee	
<input type="checkbox"/>	FHAGP1 Channel Clean w/Sediment Removal	No Fee	
<input type="checkbox"/>	FHAGP2 Mosquito Control	\$1,000.00	
<input type="checkbox"/>	FHAGP3 Scour Protection Bridges/Culverts	\$1,000.00	
<input type="checkbox"/>	FHAGP4 Creation/Restoration/Enhancement of Habitat and Water Quality Values and Functions	No Fee	
<input type="checkbox"/>	FHAGP5 Reconstruction and/or Elevation of Building in a Floodway	No Fee	
<input type="checkbox"/>	FHAGP6 Construction of One SFH/Duplex and Driveway	\$1,000.00	
<input type="checkbox"/>	FHAGP7 Relocation of Manmade Roadside Ditches for Public Roadway Improvements	\$1,000.00	
<input type="checkbox"/>	FHAGP8 Placement of Storage Tanks	\$1,000.00	
<input type="checkbox"/>	FHAGP9 Construction/Reconstruction of Bridge/Culvert Across Water < 50 Acres	\$1,000.00	
<input type="checkbox"/>	FHAGP10 Construction/Reconstruction of Bridge/Culvert Across Water > 50 Acres	\$1,000.00	
<input type="checkbox"/>	FHAGP11 Stormwater Outfall Along Regulated Water <50 Acres	\$1,000.00	
<input type="checkbox"/>	FHAGP12 Construction of Footbridges	\$1,000.00	
<input type="checkbox"/>	FHAGP13 Construction of Trails and Boardwalks	\$1,000.00	
<input type="checkbox"/>	FHAGP14 Application of herbicide in riparian zone	\$1,000.00	

	Additional Flood Hazard Area Authorizations	Fee Amount	Fee Paid
<input type="checkbox"/>	FHA Hardship Exception Request	\$4,000	
<input type="checkbox"/>	FHA GP Administrative Modification	No Fee	No Fee
<input type="checkbox"/>	FHA GP Minor technical modification	\$500 x _____ # of project elements to be revised	
<input type="checkbox"/>	FHA GP Major technical modification	0.30 x _____ original fee (Minimum \$500)	
<input type="checkbox"/>	FHA Individual Permit Administrative Modification	No Fee	No Fee
<input type="checkbox"/>	FHA Individual Permit Minor Technical Modification	\$500 x _____ # of project elements to be revised	
<input type="checkbox"/>	FHA Individual Permit Major Technical Modification	0.30 x _____ original fee (Minimum \$500)	
<input type="checkbox"/>	FHA Verification Administrative Modification	No Fee	No Fee
<input type="checkbox"/>	FHA Verification Minor Technical Modification	\$500 x _____ # of project elements to be revised	
<input type="checkbox"/>	FHA Verification Major Technical Modification	0.30 x _____ original fee (Minimum \$500)	
<input type="checkbox"/>	FHA GP Extension	\$240	
<input type="checkbox"/>	FHA Individual Permit Extension	0.25 x _____ original fee	
<input type="checkbox"/>	FHA Verification Extension of Methods 1, 2, 3, 5, or Riparian Zone Only	\$240	
<input type="checkbox"/>	FHA Verification Extension of Methods 4 or 6	0.25 x _____ original fee	
<input type="checkbox"/>	FHA Individual Permit Equivalency/CERCLA	No Fee	No Fee
<input type="checkbox"/>	FHA GP Administrative Modification	No Fee	No Fee

	Flood Hazard Area Individual Permits	Fee Amount	Fee Paid
<input type="checkbox"/>	FHA - IP SFH and/or Accessory Structures	\$2,000	
<input type="checkbox"/>	Individual Permit (Fee is calculated by adding the base fee to the specific elements below)	\$3,000 Base Fee	
	FHA - IP Utility*	+ (\$1,000 x _____ # of water crossings)	
	FHA - IP Bank/Channel (No Calculation Review) *	+ \$1,000	
	FHA - IP Bank/Channel (With Calculation Review) *	+ (\$4,000 + (\$400 x _____ per 100 linear ft.))	
	FHA - IP Bridge/Culvert/Footbridge/Low Dam (No Calculation Review)*	+ (\$1,000 x _____ # of structures)	
	FHA - IP Bridge/Culvert/Footbridge/Low Dam (With Calculation Review) *	+ (\$4,000 x _____ # of structures)	
	FHA - Review of Flood Storage Displacement (net fill) Calculations*	+ \$4,000	
	Total	IP Review Fee	

Stormwater Review Fee (Maximum Fee = \$20,000)	Fee Amount (Round UP to the nearest whole number)	Fee Paid
<input type="checkbox"/> Stormwater Review (Fee is calculated by adding the base fee to the specific elements below)	\$3,000 Base Fee	
Review of Groundwater Calculations	+ \$250 x _____ # acres disturbed	
Review of Runoff Quantity Calculations	+ \$250 x _____ # acres disturbed	
Review of Water Quality Calculations	+ \$250 x _____ # acres impervious surface	
Total	Stormwater Review Fee	

	Applicability Determination	Fee Amount	Fee Paid
<input type="checkbox"/>	Coastal Applicability Determination	No Fee	No Fee
<input type="checkbox"/>	Flood Hazard Applicability Determination	No Fee	No Fee
<input type="checkbox"/>	Highlands Jurisdictional Determination	No Fee	No Fee
<input type="checkbox"/>	Executive Order 215	No Fee	No Fee

	Flood Hazard Area Verifications	Fee Amount	Fee Paid
<input type="checkbox"/>	Verification-Delineation of Riparian Zone Only	\$1,000	
<input type="checkbox"/>	Verification-Method 1 (DEP Delineation) *	\$1,000	
<input type="checkbox"/>	Verification-Method 2 (FEMA Tidal Method) *	\$1,000	
<input type="checkbox"/>	Verification-Method 3 (FEMA Fluvial Method) *	\$1,000	
<input type="checkbox"/>	Verification-Method 4 (FEMA Hydraulic Method)	\$4,000 + (\$400 x _____ per 100 linear feet)	
<input type="checkbox"/>	Verification-Method 5 (Approximation Method) *	\$1,000	
<input type="checkbox"/>	Verification-Method 6 (Calculation Method)	\$4,000+(\$400 x _____ per 100 linear feet)	

TOTAL FEE:	\$3,300.00
CHECK NUMBER:	51901

*Fee not applicable to (1) SFH

*Fee not applicable to (1) SFH

APPLICANT NAME: Trenton-Mercer Airport
c/o Melinda Montgomery, Airport Mgr.

FILE # (if known): _____

APPLICATION FORM - APPENDIX I

Section 1: Please provide the following information for the overall project site. All area measurements shall be recorded **in acres to the nearest thousandth** (0.001 acres).

<u>PROPOSED:</u>	<u>PRESERVED</u>	<u>UNDISTURBED</u>	<u>DISTURBED</u>
<i>RIPARIAN ZONE</i>	_____	_____	_____
<i>CZMRA FORESTED</i> <i>(CZMRA IP – Only)</i>	_____	_____	_____
<i>E & THABITAT</i> <i>Endangered and/or Threatened</i>	_____	_____	_____
<i>FRESHWATER WETLANDS</i>	_____	_____	_____

Section 2: Please provide the following information for each permit/authorization requested pursuant to the Freshwater Wetlands Protection Act. All area measurements shall be recorded **in acres to the nearest thousandth** (0.001 acres). Use additional sheets if necessary

PERMIT TYPE	WETLAND TYPE <i>Emergent, Forest, Shrub, Etc.</i>	RESOURCE CLASSIFICATION <i>Ordinary, Intermediate, Exceptional, EPA, Etc.</i>	
<u>PROPOSED DISTURBANCE:</u>	<u>WETLANDS</u>	<u>TRANSITION AREA</u>	<u>SOW</u>
<i>FILLED</i>	_____	_____	_____
<i>EXCAVATED</i>	_____	_____	_____
<i>CLEARED</i>	_____	_____	_____
<i>TEMPORARY DISTURBANCE</i>	_____	_____	_____

PERMIT TYPE	WETLAND TYPE <i>Emergent, Forest, Shrub, Etc.</i>	RESOURCE CLASSIFICATION <i>Ordinary, Intermediate, Exceptional, EPA, Etc.</i>	
<u>PROPOSED DISTURBANCE:</u>	<u>WETLANDS</u>	<u>TRANSITION AREA</u>	<u>SOW</u>
<i>FILLED</i>	_____	_____	_____
<i>EXCAVATED</i>	_____	_____	_____
<i>CLEARED</i>	_____	_____	_____
<i>TEMPORARY DISTURBANCE</i>	_____	_____	_____

SECTION #3

Request for Letter of Interpretation, Regulatory Line Verification
for a Portion of Trenton-Mercer Airport
Block 373, Portions of Lots 5, 6, 7, & 45
and Block 423, Portion of Lot 135
Ewing Township, Mercer County, New Jersey
AGE Project #4362

SITE INFORMATION SHEET

Acreage:	<i>Overall Airport:</i> 1,296.51 acres <i>Portion / Study Area:</i> 22.221 acres
Legal Designation:	Block 373, Portions of Lots 5, 6, 7, & 45 and Block 423, Portion of Lot 135 Ewing Township Mercer County, New Jersey
Applicant:	Trenton-Mercer Airport 340 Scotch Road Ewing, New Jersey 08628 Attn: Ms. Melinda Montgomery, A.A.E., <i>Airport Manager</i> Phone: 609-882-1601
Property Owner:	Trenton-Mercer Airport / County of Mercer 340 Scotch Road Ewing, New Jersey 08628 Attn: Melinda Montgomery, A.A.E., <i>Airport Manager</i> Phone: 609-882-1601
Engineer:	Urban Engineers, Inc. 220 Lake Drive, Suite 300 Cherry Hill, NJ 08002 Attn.: Dale Russell, P.E., <i>Assoc. VP/Deputy Practice Leader, Aviation</i>
NJ State Plane Coordinates (Center of Study Area):	N: 524,862 feet E: 402,828 feet
USGS/NWI Quadrangle:	Pennington NJ/PA Quadrangle
Soil Mapping:	SSURGO Database for Mercer County, New Jersey
Watershed:	Alexauken Ck / Moore Ck / Jacobs Ck
Subwatershed:	Mercer (Calhoun St to Jacobs Creek)
Water Quality Classification:	Freshwater 2, Non-Trout (FW2-NT) and Category 2 (C2)
EPA Priority Wetlands:	No

SECTION #4

Request for Letter of Interpretation, Regulatory Line Verification
for a Portion of Trenton-Mercer Airport
Block 373, Portions of Lots 5, 6, 7, & 45
and Block 423, Portion of Lot 135
Ewing Township, Mercer County, New Jersey
AGE Project #4362

WETLANDS INVESTIGATION SUMMARY

I. SITE DESCRIPTION

Trenton-Mercer Airport (the “*Overall Site*”) is located in the Township of Ewing, Mercer County, New Jersey and encompasses approximately 1,296.51 acres (Section #5, Figure 1). The *overall site* consists of expansive areas of maintained lawn, runways, taxiways, and associated airport structures.

This application is for an approximate 22.221-acre portion of the airport property (the “*LOI Study Area*”) [as defined by the LOI study area limit illustrated on the enclosed figure maps (see Section #5) and “Overall Plan LOI Boundary & Wetlands Survey” (see Section #10)]. The approximate 22.221-acre LOI study area comprises about 1.7% of the overall site. The LOI study area consists of six (6) individual areas along and in the vicinity of Sam Weinroth Road and Bear Tavern Road. The study area consists of wetlands, State open waters, maintained upland lawn areas, woody old field, and secondary successional uplands forests. In general, the topography of the study area slopes to the east and southwest toward the Unnamed Tributary of the Delaware River. The outer limits of the LOI study area are bound by residential development, agricultural fields, woody old field, and secondary successional forest to the northwest; woody old field to the north; airport hangars to the northeast; an Airport Rescue and Firefighting (ARFF) building and access roads to the east; and taxiways, maintained lawn, and agricultural fields to the southeast.

Please refer to Section #5, Figures 2 and 3, and “Overall Plan LOI Boundary & Wetlands Survey” plan in Section #10.

II. WETLAND INVESTIGATION

Existing published information was studied to determine the approximate extent of wetlands in the study area. A wetlands delineation of the project area was performed by Jennifer LaStella, Bill Macholdt, Sue Quackenbush, Harry Strano, and Liz Dancer of Amy S. Greene Environmental Consultants, Inc., doing business as Amy Greene Environmental (“AGE”), a Davey Company, on November 29, 2018 and December 5, 10, and 11, 2018. Vegetation, soils, and hydrology were examined for evidence of wetland characteristics according to the methodology outlined in the *Federal Manual for Identifying and Delineating Jurisdictional Wetlands* (Federal Interagency Committee on Wetland Delineation, 1989). Use of this methodology is required by the New Jersey Department of Environmental Protection (NJDEP) Division of Land Use Regulation (DLUR) in accordance with the New Jersey Freshwater Wetlands Protection Act Rules. In order to be identified as wetlands, an area must have hydrophytic vegetation, hydric soils, and be saturated by groundwater or inundated by surface water for a significant period during the growing season.

Delineated wetlands are described below:

Wetland AA, designated as Flags AA1 through AA164 (including Flag AA39A), delineates a Palustrine wetland and State open water complex associated with an Unnamed Tributary to the Delaware River. This wetland complex contains forested, shrub-scrub, and emergent wetlands and State open waters.

State open waters are present between Flags AA52/OWAA52 and OWAA74/AA74; AA86/OWAA86 and OWAA98/AA98; AA128/OWAA128 and OWAA134/AA134; and AA156/OWAA156 and OWAA158/AA158. This wetland complex originates at two outfalls near the existing terminal building, located at Flags AA75/AA76 and AA81/AA82. Wetland AA flows southwest through a culvert at Flags AA1/AA164 to Wetland BB (see Hydrology below and Section #10, Sheets 3, 4, 7 and 8 of the LOI Boundary & Wetlands Survey for further information). An access road separates Wetland AA and BB.

Wetland BB, designated as Flags OWBB1 through OWBB95 (including Flag OWBB94A), delineates a Palustrine wetland and State open water complex associated with an Unnamed Tributary to the Delaware River. This wetland complex contains emergent and shrub-scrub wetlands and State open waters. State open waters are present between Flags OWBB1 and OWBB2/BB2; BB19/OWBB19 and OWBB34/BB34; BB40/OWBB40 and OWBB44/BB44; BB78/OWBB78 and OWBB80/BB80; and BB93/OWBB93 and OWBB95. Wetland BB flows southwest through a culvert under Bear Tavern Road at Flags BB54/BB55 to Wetland CC (see Hydrology below and Section #10, Sheets 2 and 3 of the LOI Boundary & Wetlands Survey for further information).

Wetland CC, designated as Flags CC1 through OWCC35A, delineates a Palustrine emergent wetland and State open waters complex associated with an Unnamed Tributary to the Delaware River. This wetland complex includes State open waters between Flags CC12/OWCC12 and OWCC25/CC25. Wetland CC flows south and continues beyond the study area boundary, ultimately discharging to the Delaware River (see Hydrology below and Section #10, Sheet 2 of the LOI Boundary & Wetlands Survey for further information).

Wetland DD, designated as Flags DD1 through DD17, delineates a manmade, Palustrine emergent wetland ditch located parallel to Sam Weinroth Road near its intersection with Bear Tavern Road. The wetland drains into a culvert at Flag DD1, which flows southeast under Sam Weinroth Road to Wetland BB and ultimately to an Unnamed Tributary to the Delaware River (see Hydrology below and Section #10, Sheet 3 of the LOI Boundary & Wetlands Survey for further information).

Wetland EE, designated as Flags OWEE1 through OWEE18 (including Flag OOOE6A), delineates a manmade Palustrine emergent wetland ditch and State open water located parallel to Sam Weinroth Road. This feature includes emergent wetlands at the upstream end between Flags OWEE6/EE6 and EE11/OWEE11. The feature flows south, then southeast through a culvert under Sam Weinroth Road where it drains to Wetland BB (at Flags BB8/BB9) and ultimately to an Unnamed Tributary to the Delaware River (see Hydrology below and Section #10, Sheets 3 and 4 of the LOI Boundary & Wetlands Survey for further information).

Wetland FF, designated as Flags OWFF1 through OWFF71, delineates a Palustrine emergent and State open water complex located parallel to Sam Weinroth Road. This complex contains emergent wetlands, manmade emergent wetland ditches, and State open waters. State open waters are present between Flags OWFF1 and OWFF13/FF13; FF28/OWFF28 and OWFF39/FF39; and FF58/OWFF58 and OWFF71. A majority of Wetland FF drains south to Wetland EE, Wetland BB, and ultimately to an Unnamed Tributary to the Delaware River. The northernmost portion of the feature drains to the north due to a minor topographic break and eventually disperses as sheet flow (see Hydrology below and Section #10, Sheets 4 and 5 of the LOI Boundary & Wetlands Survey for further information).

Wetland GG, designated as Flags GG1 through GG9, delineates a modified, Palustrine emergent wetland located southwest of Sam Weinroth Road. Wetland GG flows east-northeast under Sam Weinroth Road via culvert to Wetland JJ. Wetland GG drains towards Wetland JJ via culvert at Flags GG1 and GG9 (see Hydrology below and Section #10, Sheet 6 of the LOI Boundary & Wetlands Survey for further information for further details).

Wetland JJ, designated as Flags JJ1 through JJ15 (including Flag JJ14A), delineates a Palustrine, emergent and forested wetland located east-northeast of Sam Weinroth Road. Wetland JJ begins and ends an outfall, which carries surface water runoff from Wetland GG under Sam Weinroth Road to Wetland JJ. Wetland JJ drains to the northeast then east, at which point surface water flows overland to Wetland KK (see Hydrology below and Section #10, Sheet 6 of the LOI Boundary & Wetlands Survey for further information). Wetland JJ is highly disturbed and contains a significant amount of fill material.

Wetland KK, designated as Flags OWKK1 through OWKK30, delineates a State open water and a Palustrine forested wetland fringe located north of the existing terminal parking lots. This complex includes a forested wetland fringe between Flags OWKK11/KK11 and KK20/OWKK20. Wetland KK flows southeast until entering a culvert at Flags OWKK1 and OWKK30. Based on the wetlands survey, this culvert appears to eventually discharge to Wetland AA and ultimately the Unnamed Tributary to the Delaware River (see Hydrology below and Section #10, Sheets 6 and 8 of the LOI Boundary & Wetlands Survey for further information).

Included in the back pocket of this application (Section #10) is a plan set prepared by Van Cleef Engineering Associates entitled “LOI Boundary & Wetlands Survey” (Sheets 1 through 9), dated February 25, 2020 (no revisions). Sampling Station data is also included in Section #6 of this application, which documents soils, vegetation, and hydrology at representative wetland/upland locations on the site. Photographs of the documented areas are included in Section #7.

A. Vegetation

Vegetation within the LOI study area was documented at eight (8) Sampling Stations (see Section #6 for these datasheets; Sample Stations 1-8).

The Palustrine forested, shrub-scrub, and emergent wetland complexes within the study area contained red maple (*Acer rubrum*, FAC), ash (*Fraxinus* sp.), box elder (*Acer negundo*, FAC), black willow (*Salix nigra*, OBL), American elm (*Ulmus americana*, FACW), and pin oak (*Quercus palustris*, FACW) in the canopy layer. Silky dogwood (*Cornus amomum*, FACW), common elderberry (*Sambucus nigra*, FAC), Northern spicebush (*Lindera benzoin*, FAC), and multiflora rose (*Rosa multiflora*, FACU) were found in the shrub layer. The herbaceous layer consisted of sensitive fern (*Onoclea sensibilis*, FACW), soft rush (*Juncus effusus*, FACW), Japanese siltgrass (*Microstegium vimineum*, FAC), reed canary grass (*Phalaris arundinacea*, FACW), broad leaf cattail (*Typha latifolia*, OBL), common reed (*Phragmites australis*, FACW), and arrow-leaved tearthumb (*Persicaria sagittata*, OBL). Dominant vegetation identified in the wetland areas is classified as hydrophytic.

The vegetation within the manmade, Palustrine emergent ditches along the west side of Sam Weinroth Road included moneywort (*Lysimachia nummularia*, FACW), soft rush, watercress (*Nasturtium officinale*, OBL), marsh seedbox (*Ludwigia palustris*, OBL), barnyard grass (*Echinochloa muricata*, OBL), reed canary grass, celery-leaved buttercup (*Ranunculus sceleratus*, OBL), and various grass species. These roadside wetlands are periodically cut as part of routine airport maintenance. Dominant vegetation identified in the wetland areas is classified as hydrophytic.

A majority of the uplands within this study area included maintained upland lawn that contained various grass species including Kentucky bluegrass (*Poa pratensis*, FACU), English plantain (*Plantago lanceolata*, UPL), white clover (*Trifolium repens*, FACU), red clover (*Trifolium pratense*, FACU), and common dandelion (*Taraxacum officinale*) in the herbaceous layer. Upland areas are periodically mowed to conform with routine airport maintenance requirements, as required by the FAA. Dominant vegetation identified in the upland areas is classified as non-hydrophytic.

Forested uplands within the study area contained black cherry (*Prunus serotina*, FACU), ash, apple (*Malus* sp.), red maple, and American elm (*Ulmus americana*, FACW) in the canopy; wild grape (*Vitis* sp.) and Oriental bittersweet (*Celastrus orbiculatus*, FACU) in the woody vine layer; Japanese barberry (*Berberis thunbergii*, FACU) and Tatarian honeysuckle (*Lonicera tatarica*, FACU) in the shrub layer; and Japanese honeysuckle (*Lonicera japonica*, FACU), wild strawberry (*Fragaria vesca*, FACU), common reed, tall goldenrod (*Solidago altissima*, FACU), Japanese stiltgrass, and wild garlic (*Allium vineale*, FACU) in the herbaceous layer. Dominant vegetation identified in this upland area is classified as non-hydrophytic.

B. Soils

Soils on the site are mapped on the Soil Survey Geographic (SSURGO) Database for Mercer County (USDA, Natural Resource Conservation Service, Fort Worth, Texas, 2004) (Section #5, Figure 4) as follows (NL = not listed as a hydric soil):

BucB – Bucks silt loam, 2 to 6 percent slopes, NL
BucC2 – Bucks silt loam, 6 to 12 percent, eroded, NL
QukB – Quakertown silt loam, 2 to 6 percent slopes, NL
QukB2 – Quakertown silt loam, 2 to 6 percent slopes, eroded, NL
QukC2 – Quakertown silt loam, 6 to 12 percent slopes, eroded, NL
REFB2 – Readington and Abbottstown silt loams, 2 to 6 percent slopes, eroded, NL
UdbB – Udorthents, bedrock substratum, 0 to 8 percent slopes, NL

None of the above listed soil units are listed as hydric soils or as containing hydric inclusions. Although not listed as hydric soils, wetlands were identified onsite. Soil samples taken within wetland areas exhibited hydric characteristics of low chroma matrix colors and mottling. Upland soils did not exhibit these hydric characteristics.

C. Hydrology

The primary sources of hydrology of Wetlands AA, BB and CC are the Unnamed Tributary to the Delaware River, surface runoff from adjacent upland areas, and groundwater seepage. The unnamed tributary to the Delaware River flows north to southwest through the LOI study area and received a surface water quality classification of FW2-NT and C2 by NJDEP. Wetland AA drains to Wetland BB via underground culvert. Wetland BB receives drainage from Wetlands DD and EE via outfalls beneath Sam Weinroth Road as well. Wetland BB drains to Wetland CC via culvert under Bear Tavern Road.

The primary source of hydrology of Wetlands DD and EE are surface water runoff from adjacent upland areas. Wetlands DD and EE discharge beneath Sam Weinroth Road via culverts to Wetland BB and ultimately into the unnamed tributary to the Delaware River.

The primary source of hydrology of Wetland FF is surface water runoff from adjacent upland areas and groundwater seepage. Wetland FF drains into Wetland EE and ultimately into the unnamed tributary to the Delaware River.

The primary sources of hydrology of Wetlands GG and JJ are surface water runoff from adjacent upland areas and groundwater seepage. Wetland GG drains to Wetland JJ via culvert beneath Sam Weinroth Road. Wetland JJ flows toward Wetland KK via overland sheet flow. The primary source of hydrology of Wetland KK is flow from Wetland JJ and surface runoff from adjacent upland areas. Wetland KK transitions from wetland to State open water in a highly channelized streambed and flows out of the LOI study area via underground culvert. Based on the enclosed plans, this culvert appears to discharge to Wetland AA and the Unnamed Tributary to the Delaware River (see Section #10).

Indicators of wetland hydrology within the onsite wetlands include soils saturated to the ground surface, high water table, ponding, water marks, oxidized rhizospheres, sediment deposits, iron deposits, and water-stained leaves. These characteristics were not observed in upland areas of the study area.

III. WETLANDS RESOURCE VALUE CLASSIFICATION

Wetlands are classified according to their resource value as determined by the New Jersey Freshwater Wetlands Protection Act rules. Wetlands associated with trout-production waters or that are documented habitat for endangered or threatened species, are classified as exceptional resource value wetlands. Ordinary resource value wetlands are ditches, swales (linear topographic depressions, either naturally occurring or of human construction and generally 50 feet wide or narrower), detention basins, and certain isolated wetlands (less than 5,000 square feet and surrounded by at least 50% developed land). All other wetlands are intermediate resource value.

Wetlands identified within the LOI study area appear to ultimately drain to the Unnamed Tributary to the Delaware River, which has received a surface water quality classification of FW2-NT and C2 by the NJDEP. According to NJDEP Landscape Project Mapping, no threatened or endangered wildlife species or rare natural communities were identified in or adjacent to the study area.

Therefore, based on the above, the following onsite wetlands (or portions thereof) may be classified as intermediate resource value subject to standard 50-foot transition areas:

- Wetland AA (Flags AA1 through AA52/OWAA52; OWAA74/AA74 through AA78; AA84 through AA86/OWAA86; OWAA98/AA98 through AA128/OWAA128; OWAA134/AA134 through AA156/OWAA156; and OWAA158/AA158 through AA164)
- Wetland BB (Flags OWBB2/BB2 through BB6; BB11 through BB19/OWBB19; OWBB34/BB34 through BB35; OWBB44/BB44 through BB45; BB53 through BB78/OWBB78; and OWBB80/BB80 through BB93/OWBB93)
- Wetland CC (Flags CC1 through CC12/OWCC12 and OWCC25/CC25 through CC35A)
- Wetland FF (Flags FF22 through FF26; FF41 through FF43; and FF47 through FF51)
- Wetland GG (Flags GG1 through GG9)
- Wetland JJ (Flags JJ1 through JJ15, including Flag JJ14A)
- Wetland KK (Flags OWKK11/KK11 through KK20/OWKK20)

The manmade, emergent wetland ditches, by definition, should be classified as ordinary resource value and therefore, should not be subject to transition area. These wetlands include:

- Wetland AA (Flags AA78 through AA84)
- Wetland BB (Flags BB6 through BB11 and BB35 through BB40/OWBB40)
- Wetland DD (Flags DD1 through DD17)
- Wetland EE (Flags OWEE6/EE6 through EE11/OWEE11)
- Wetland FF (Flags OWFF13/F13 through FF22; FF26 through FF28/OWFF28; OWFF39/FF39 through FF41; FF43 through FF47; and FF51 through FF58/OWFF58)

The onsite wetland swale, by definition, should be classified as ordinary resource value and therefore, should not be subject to transition area. This includes the following:

- Wetland BB (Flags BB45 through BB53)

Lastly, the onsite State open waters, by definition, are not subject to wetland transition area. State open waters include:

- Wetland AA (State Open Water Flags AA52/OWAA52 through OWAA74/AA74; AA86/OWAA86 through OWAA98/AA98; AA128/OWAA128 through OWAA134/AA134; and AA156/OWAA156 through OWAA158/AA158)
- Wetland BB (State Open Water Flags OWBB1 through OWBB2/BB2; BB19/OWBB19 through OWBB34/BB34; BB40/OWBB40 through OWBB44/BB44; BB78/OWBB78 through OWBB80/BB80; and BB93/OWBB93 through OWBB95)
- Wetland CC (State Open Water Flags CC12/OWCC12 through OWCC25/CC25).
- Wetland EE (State Open Water Flags OWEE1 through OWEE6/EE6, including Flag OWEE6A, and Flags EE11/OWEE11 through OWEE18)
- Wetland FF (State Open Water Flags OWFF1 through OWFF13/FF13; FF28/OWFF28 through OWFF39/FF39; and FF58/OWFF58 through OWFF71)
- Wetland KK (State Open Water Flags OWKK1 through OWKK11/KK11 and KK20/OWKK20 through OWKK30)

The NJDEP will make the final determination regarding the resource value classification of the onsite wetlands.

IV. SUMMARY

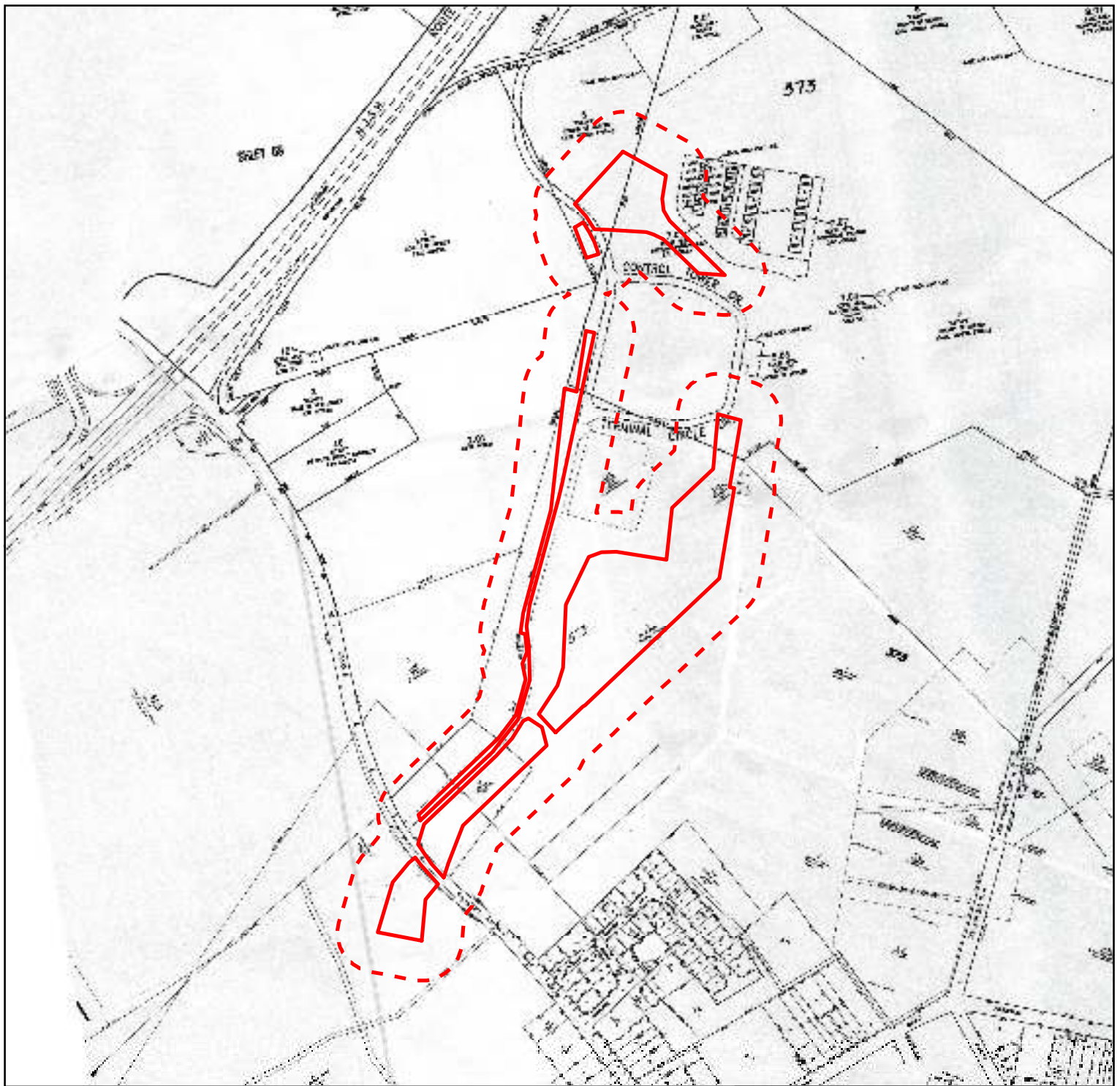
Freshwater wetlands were identified and delineated within the LOI study area during field visits conducted by Jennifer LaStella, Bill Macholdt, Harry Strano, Sue Quackenbush, and Liz Dancer of AGE on November 29, 2018 and December 5, 10, and 11, 2018. Wetlands were characterized by a dominance of hydrophytic vegetation, hydric soils, and the presence of wetland hydrologic indicators. Upland areas lacked these characteristics. The water quality classification of the Unnamed Tributary to the Delaware River is FW2-NT and C2. No threatened or endangered species or their habitats were identified onsite by New Jersey Landscape Project Mapping or during the wetland delineation. Therefore, a majority of Wetlands AA, BB, CC, GG, JJ, KK, and the emergent wetland portion of Wetland FF should be classified as intermediate resource value subject to standard 50-foot transition areas. The onsite wetland ditches identified within Wetlands AA, BB, DD, EE, and FF should be classified as ordinary resource value wetlands and should not be subject to transition areas. The wetland swale associated with Wetland BB should, by definition, be classified as ordinary resource value wetlands and should not be subject to transition areas. The NJDEP will make the final determination regarding the resource value classification of the onsite wetlands.

SECTION #5



Request for Letter of Interpretation, Regulatory Line Verification
for a Portion of Trenton-Mercer Airport
Terminal Replacement Study Area
Block 373, Portions of Lots 5, 6, 7, and 45
and Block 423, Portion of Lot 135
Ewing Township, Mercer County, New Jersey
AGE Project #4362

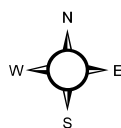
SITE MAPS

- Figure 1 – Municipal Tax Map
- Figure 2 – County Road Map
- Figure 3 – USGS Topographic Map
- Figure 4 – SSURGO Soils Map
- Figure 5 – NJDEP Wetlands and Streams Map



Legend

-  Study Area
-  200-foot Buffer of Study Area



Note: Map scale is approximate

Source:
Municipal Tax Map for Ewing Township, Mercer County, New Jersey, Sheet 63, 66, 71, 72, 73, 92 and 93, prepared by
Charles E. Adamson, P.L.S., Remington, Vernick, & Arango Engineers, Cinnaminson, NJ, last revised November 2017.

Figure 1 Municipal Tax Map

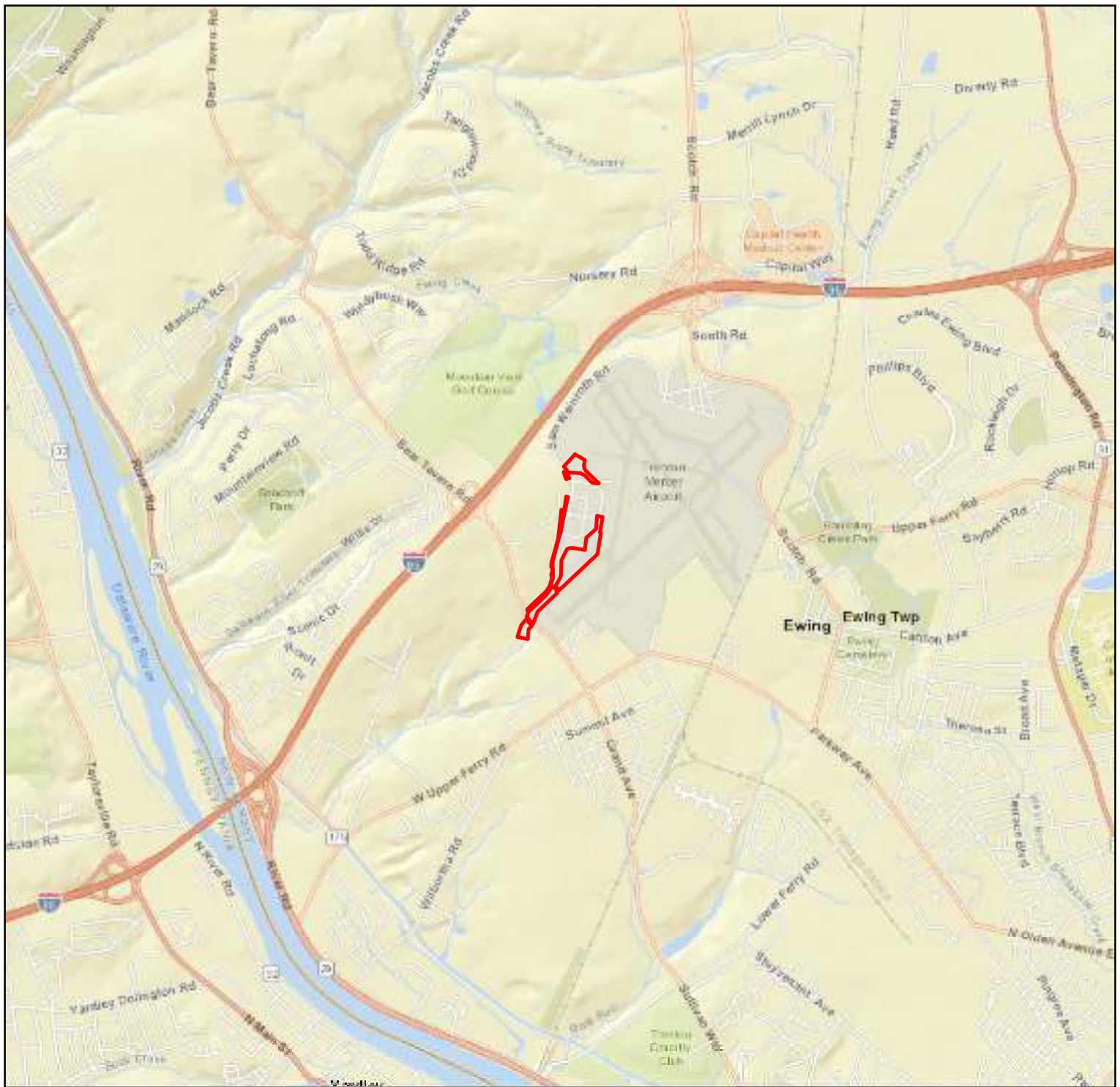
Trenton - Mercer Airport
portions of
Block 373; Lots 5, 6, 7, & 45
and Block 423; Lot 135
Ewing Township
Mercer County, New Jersey

ASGECI Project # 4362


700

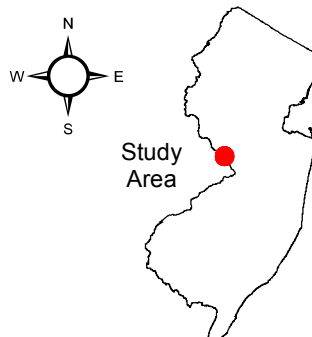
Feet





Legend

 Study Area



Study Area

Figure 2 County Road Map

Trenton - Mercer Airport
portions of
Block 373; Lots 5, 6, 7, & 45
and Block 423; Lot 135
Ewing Township
Mercer County, New Jersey

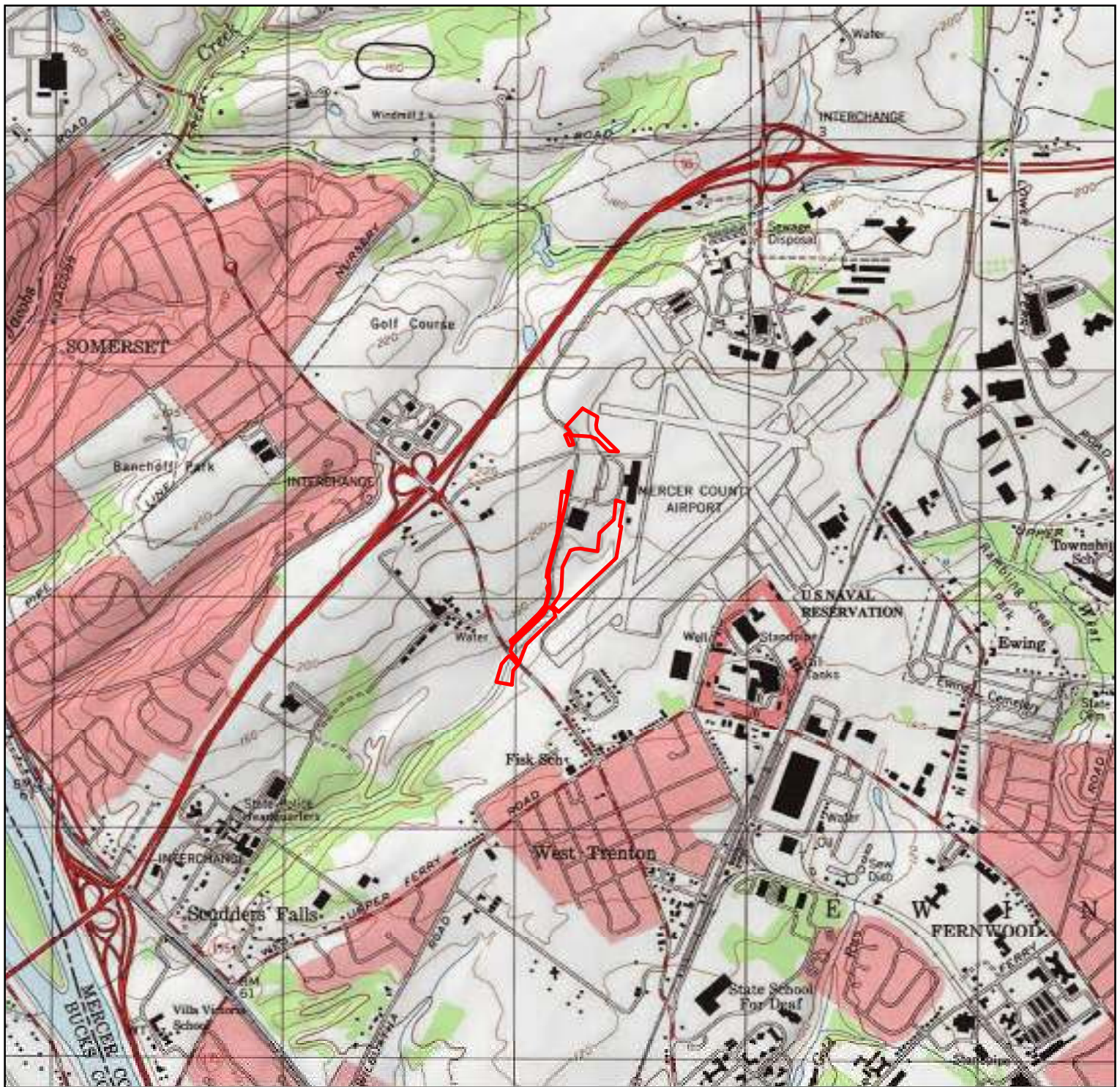
ASGECI Project # 4362

3,000


Feet



Source:
ESRI Street Map was developed using Esri basemap data, DeLorme basemap layers, U.S. Geological Survey elevation data, HERE data, and select data from the GIS user community, released by ESRI® Data & Maps, Redlands, California, 2019.

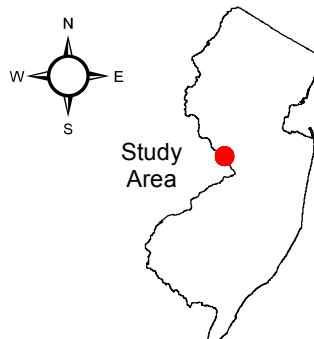


Legend

 Study Area

New Jersey State Plane Coordinates in
NAD83 for the approximate center of study area -
North: 524,862' // East: 402,828'

Latitude and Longitude Coordinates in
NAD83 for the approximate center of study area -
N: 40° 16' 26.19" / W: 74° 49' 12.16"



Source:
National Geographic Society (NGS) USA Topographic Maps, seamless, scanned images of
United States Geological Survey (USGS) paper topographic maps, Pennington NJ/PA Quadrangle,
copyright 2013, distributed as a web mapping service by ESRI® Data & Maps, Redlands, California, 2019.

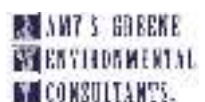
Figure 3 USGS Topographic Map

Trenton - Mercer Airport
portions of
Block 373; Lots 5, 6, 7, & 45
and Block 423; Lot 135
Ewing Township
Mercer County, New Jersey

ASGECI Project # 4362


2,000

Feet

 SW & GREENE
ENVIRONMENTAL
CONSULTANTS



Legend

 Study Area

SOILS LIST:

BucB - Bucks silt loam, 2 to 6 percent slopes
 BucC2 - Bucks silt loam, 6 to 12 percent slopes, eroded
 QukB - Quakertown silt loam, 2 to 6 percent slopes
 QukB2 - Quakertown silt loam, 2 to 6 percent slopes, eroded
 QukC2 - Quakertown silt loam, 6 to 12 percent slopes, eroded
 REFB2 - Readington and Abbottstown silt loams, 2 to 6 percent slopes, eroded
 UdbB - Udorthents, bedrock substratum, 0 to 8 percent slopes

Sources:
 Soil Survey Geographic (SSURGO) Database for Mercer County, New Jersey,
 U.S. Department of Agriculture, Natural Resources Conservation Service, Fort Worth, Texas, January 2014.
 New Jersey 2015 High Resolution Orthophotography, NAD83 NJ State Plane Feet, MrSID Tiles, State of New Jersey -
 Office of Information Technology (NJ/OIT), Office of Geographic Information Systems (OGIS), Trenton, NJ, February 2016.

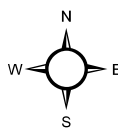


Figure 4 SSURGO Soils Map

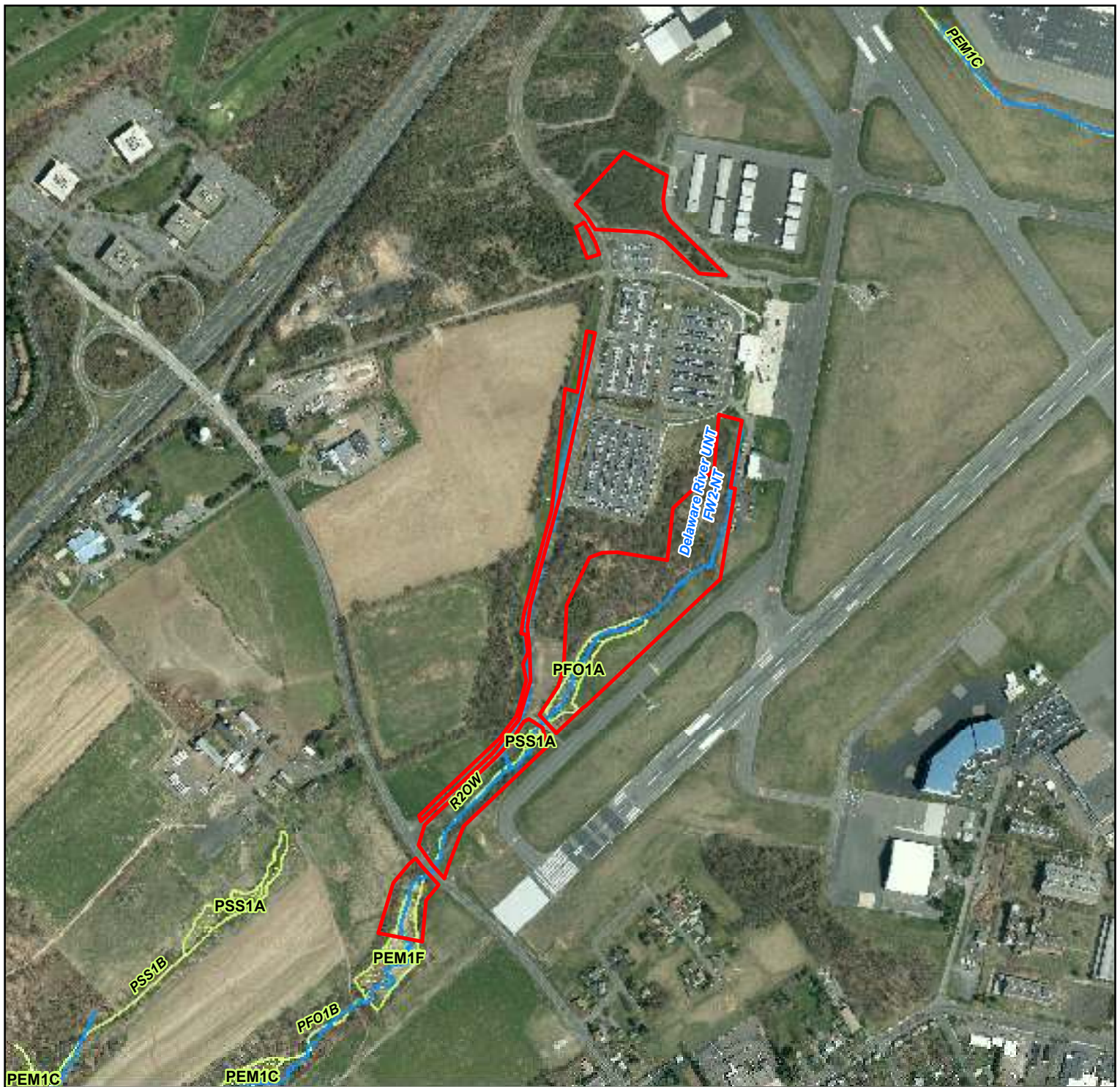
Trenton - Mercer Airport
 portions of
 Block 373; Lots 5, 6, 7, & 45
 and Block 423; Lot 135
 Ewing Township
 Mercer County, New Jersey

ASGECI Project # 4362

600

Feet





Legend



Study Area



NJDEP Freshwater Wetlands

Streams with Water Quality



NJDEP Linear Wetlands

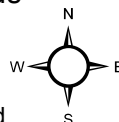
WETLAND CLASSIFICATIONS:

PEM1F - Palustrine, Emergent, Persistent, Semipermanently Flooded

PFO1A - Palustrine, Forested, Broad-Leaved Deciduous, Temporarily Flooded

PSS1A - Palustrine, Scrub-Shrub, Broad-Leaved Deciduous, Temporarily Flooded

R2OW - Riverine, Lower Perennial, Open Water, Unknown Bottom



Sources:

NJDEP Wetlands of New Jersey by County, 1986, New Jersey Department of Environmental Protection (NJDEP), Office of Information Resources Management, Bureau of Geographic Information and Analysis, NJDEP, Trenton, November 1999.
 NJDEP Surface Water Quality Standards of New Jersey, NJ Department of Environmental Protection (NJDEP), Water Monitoring & Standards (WMS), Bureau of Freshwater and Biological Monitoring (BFBM), Trenton, NJ, December 2010.
 New Jersey 2015 High Resolution Orthophotography, NAD83 NJ State Plane Feet, MrSID Tiles, State of New Jersey - Office of Information Technology (NJ/OIT), Office of Geographic Information Systems (OGIS), Trenton, NJ, February 2016.

Figure 5
NJDEP Wetlands & Streams Map

Trenton - Mercer Airport
 portions of
 Block 373; Lots 5, 6, 7, & 45
 and Block 423; Lot 135
 Ewing Township
 Mercer County, New Jersey

ASGECI Project # 4362

700

Feet



SECTION #6

Request for Letter of Interpretation, Regulatory Line Verification
for a Portion of Trenton-Mercer Airport
Terminal Replacement Study Area
Block 373, Portions of Lots 5, 6, 7, and 45
and Block 423, Portion of Lot 135
Ewing Township, Mercer County, New Jersey
AGE Project #4362

SAMPLING STATION DATA SHEETS

Table 1: Sampling Data Determinations for Trenton-Mercer Airport (TTN) Terminal Replacement Study Area, Block 373, Portions of Lots 5, 6, 7, & 45 and Block 423, Portion of Lot 135, Ewing Twp., Mercer Co., NJ, performed on Nov. 29, 2018 and Dec. 5, 10, & 11, 2018.

Station: 1		Flag: BB60	Date: 12/10/2018		AGE Project: 4362		
VEGETATION					SOILS		
Region: EMP	Species (1)	Indicator Status (2)	Absolute Cover (3)	DEPTH (inches)	MATRIX COLOR (5)	MOTTLING % COLOR	TEXTURE (6)
1. CANOPY				0-6	10YR 3/1	10% 2.5YR 3/6	CL
	None			6-18	10YR 4/1	25% 10YR 3/4	CL
				18-24	10YR 4/1	10% 10YR 3/4	CL
2. SUBCANOPY/ SAPLINGS							
	None						
3. SHRUBS							
	<i>Cornus amomum</i>	FACW	20	*			
					Soil Unit as Mapped (7): Readington and Abbottstown silt loams, 2 to 6 percent slopes, eroded [REFB2]		
4. WOODY VINES					Drainage Class as Mapped: Moderately well-drained		
	None				Soil Classification as Mapped (8): Non-hydric		
					Soil Classification of Sample (9): Hydric		
5. HERBACEOUS/TREE SEEDLINGS							
	<i>Phalaris arundinacea</i>	FACW	35	*	HYDROLOGY		
	<i>Typha latifolia</i>	OBL	30	*			
	<i>Juncus effusus</i>	FACW	20		Depth to Soil Saturation: 0"		
	<i>Onoclea sensibilis</i>	FACW	15		Depth to Standing Water (10): 10"		
	<i>Persicaria sagittata</i>	OBL	10		Ponding: Yes	Flooded: No	Other (11): I, D, M
	<i>Lonicera japonica</i>	FACU	10		Wetland Hydrology: Present		
	<i>Carex hystericina</i>	OBL	5				
					SUMMARY		
					VEGETATION: Hydrophytic		PHOTOGRAPH: F
					SOILS: Hydric		
					HYDROLOGY: Present		
Community Type: Palustrine scrub-shrub/emergent wetland					DETERMINATION: Wetland		
Classification (4): Hydrophytic							

Table 1: Sampling Data Determinations for Trenton-Mercer Airport (TTN) Terminal Replacement Study Area, Block 373, Portions of Lots 5, 6, 7, & 45 and Block 423, Portion of Lot 135, Ewing Twp., Mercer Co., NJ, performed on Nov. 29, 2018 and Dec. 5, 10, & 11, 2018.

Station: 3		Flag: KK18	Date: 12/11/2018		Project: 4362		
VEGETATION					SOILS		
Region: EMP	Species (1)	Indicator Status (2)	Absolute Cover (3)	DEPTH (inches)	MATRIX COLOR (5)	MOTTLING % COLOR	TEXTURE (6)
1. CANOPY				0-12	10YR 2/2	5% 10YR 4/4	SiL
None				12+	Refusal		Underlying fill
2. SUBCANOPY/ SAPLINGS							
None							
3. SHRUBS							
None							
4. WOODY VINES					Soil Unit as Mapped (7): Quakertown silt loam, 2 to 6 percent slopes [QukB]		
None					Drainage Class as Mapped: Well-drained		
					Soil Classification as Mapped (8): Non-hydric		
5. HERBACEOUS/TREE SEEDLINGS					Soil Classification of Sample (9): Hydric		
Unidentified grass		NIS	90				
Phalaris arundinacea		FACW	15	*	HYDROLOGY		
Carex sp.		NIS	10		Saturation: 0"		
Rumex britannica		OBL	10	*	Depth to Standing Water (10): ND		
Phragmites australis		FACW	10	*	Ponding: Yes	Flooded: No	Other (11) D, I, M
Lythrum salicaria		FACW	2		Wetland Hydrology: Present		
Symphytotrichum lateriflorum		FAC	2				
					SUMMARY		
					VEGETATION: Hydrophytic		PHOTOGRAPH: R
					SOILS: Hydric		
					HYDROLOGY: Present		
Community Type: Palustrine emergent wetland					DETERMINATION: Wetland		
Classification (4): Hydrophytic							

Table 1: Sampling Data Determinations for Trenton-Mercer Airport (TTN) Terminal Replacement Study Area, Block 373, Portions of Lots 5, 6, 7, & 45 and Block 423, Portion of Lot 135, Ewing Twp., Mercer Co., NJ, performed on Nov. 29, 2018 and Dec. 5, 10, & 11, 2018.

Station: 4		Flag: KK18	Date: 12/11/2018		Project: 4362			
VEGETATION					SOILS			
Region: EMP	Species (1)	Indicator Status (2)	Absolute Cover (3)	DEPTH (inches)	MATRIX COLOR (5)	MOTTLING % COLOR	TEXTURE (6)	
1. CANOPY				0-14	7.5YR 3/3	None	GrSiL	
	None			14+	Refusal		Gravel	
2. SUBCANOPY/ SAPLINGS								
	Malus sp.	NIS	30					
	Fraxinus sp.	NIS	20					
3. SHRUBS								
	Lonicera tartarica	FACU	10	*	Soil Unit as Mapped (7): Quakertown silt loam, 2 to 6 percent slopes [QukB]			
4. WOODY VINES					Drainage Class as Mapped: Well-drained			
	Vitis sp.	NIS	15		Soil Classification as Mapped (8): Non-hydric			
	Celastrus orbiculatus	FACU	10	*	Soil Classification of Sample (9): Non-hydric			
5. HERBACEOUS/TREE SEEDLINGS					HYDROLOGY			
	Lonicera japonica	FACU	20	*	Depth to Soil Saturation: ND			
	Fragaria vesca	FACU	10	*	Depth to Standing Water (10): ND			
	Phragmites australis	FACW	10	*	Ponding: No	Flooded: No	Other (11):	
	Solidago altissima	FACU	5		Wetland Hydrology: Absent			
	Allium vineale	FACU	5					
					SUMMARY			
					VEGETATION: Non-hydrophytic	PHOTOGRAPH: S		
					SOILS: Non-hydric			
					HYDROLOGY: Absent			
Community Type: Woody old field					DETERMINATION: Upland			
Classification (4): Non-hydrophytic								

Table 1: Sampling Data Determinations for Trenton-Mercer Airport (TTN) Terminal Replacement Study Area, Block 373, Portions of Lots 5, 6, 7, & 45 and Block 423, Portion of Lot 135, Ewing Twp., Mercer Co., NJ, performed on Nov. 29, 2018 and Dec. 5, 10, & 11, 2018.

[illegible]

Table 1: Sampling Data Determinations for Trenton-Mercer Airport (TTN) Terminal Replacement Study Area, Block 373, Portions of Lots 5, 6, 7, & 45 and Block 423, Portion of Lot 135, Ewing Twp., Mercer Co., NJ, performed on Nov. 29, 2018 and Dec. 5, 10, & 11, 2018.

[illegible]

Table 1: Sampling Data Determinations for Trenton-Mercer Airport (TTN) Terminal Replacement Study Area, Block 373, Portions of Lots 5, 6, 7, & 45 and Block 423, Portion of Lot 135, Ewing Twp., Mercer Co., NJ, performed on Nov. 29, 2018 and Dec. 5, 10, & 11, 2018.

Station: 7		Flag: AA101		Date: 12/11/2018		Project: 4362	
VEGETATION				SOILS			
Region: EMP	Species (1)	Indicator Status (2)	Absolute Cover (3)	DEPTH (inches)	MATRIX COLOR (5)	MOTTLING % COLOR	TEXTURE (6)
1. CANOPY				0-6	10YR 3/1	None	SiL
	<i>Acer rubrum</i>	FAC	10	*	10YR 3/2	10% 10YR 3/6	SiL
2. SUBCANOPY/ SAPLINGS							
	<i>Ulmus americana</i>	FACW	10	*			
3. SHRUBS							
	<i>Cornus amomum</i>	FACW	25	*			
	<i>Lonicera tartarica</i>	FACU	15	*	Soil Unit as Mapped (7): Quakertown silt loam, 6 to 12 percent slopes, eroded [QukC2]		
4. WOODY VINES					Drainage Class as Mapped: Well-drained		
	<i>Vitis</i> sp.	NIS	10		Soil Classification as Mapped (8): Non-hydric		
					Soil Classification of Sample (9): Hydric		
5. HERBACEOUS/TREE SEEDLINGS					HYDROLOGY		
	Unidentified grass sp.	NIS	20		Depth to Soil Saturation: 0"		
	<i>Microstegium vimineum</i>	FAC	20	*	Depth to Standing Water (10): 6"		
	<i>Carex</i> sp.	NIS	15		Ponding: No		
	<i>Persicaria sagittata</i>	OBL	15	*	Flooded: No		
	<i>Onoclea sensibilis</i>	FACW	5		Wetland Hydrology: Present		
	<i>Persicaria</i> sp.	NIS	5				
	<i>Juncus effusus</i>	FACW	5		SUMMARY		
	<i>Cyperus eragrostis</i>	FACW	5		VEGETATION: Hydrophytic		
					SOILS: Hydric		
					HYDROLOGY: Present		
Community Type: Palustrine scrub-shrub/emergent wetland					DETERMINATION: Wetland		
Classification (4): Hydrophytic							

Table 1: Sampling Data Determinations for Trenton-Mercer Airport (TTN) Terminal Replacement Study Area, Block 373, Portions of Lots 5, 6, 7, & 45 and Block 423, Portion of Lot 135, Ewing Twp., Mercer Co., NJ, performed on Nov. 29, 2018 and Dec. 5, 10, & 11, 2018.

Station: 8		Flag: AA101	Date: 12/11/2018		Project: 4362		
VEGETATION			SOILS				
Region: EMP	Species (1)	Indicator Status (2)	Absolute Cover (3)	DEPTH (inches)	MATRIX COLOR (5)	MOTTLING % COLOR	TEXTURE (6)
1. CANOPY							
	<i>Acer rubrum</i>	FAC	70	*			
	<i>Prunus serotina</i>	FACU	10				
	<i>Ulmus americana</i>	FACW	10				
2. SUBCANOPY/ SAPLINGS							
	None						
3. SHRUBS							
	<i>Lonicera tartarica</i>	FACU	10	*			Soil Unit as Mapped (7): Quakertown silt loam, 6 to 12 percent slopes, eroded [QukC2]
	<i>Berberis thunbergii</i>	FACU	5	*			Drainage Class as Mapped: Well-drained
							Soil Classification as Mapped (8): Non-hydric
							Soil Classification of Sample (9): Non-hydric
4. WOODY VINES							
	<i>Vitis</i> sp.	NIS	5				
HYDROLOGY							
5. HERBACEOUS/TREE SEEDLINGS							
	<i>Lonicera japonica</i>	FACU	10	*			Depth to Soil Saturation: ND
	<i>Allium vineale</i>	FACU	5	*			Depth to Standing Water (10): ND
	<i>Microstegium vimineum</i>	FAC	5	*			Ponding: No
							Flooded: No
							Wetland Hydrology: Absent
							Other (11):
SUMMARY							
				</			

NOTES:

1 Wetland Indicator Status according to Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Eastern Mountain Piedmont (EMP) Region, Version 2.0, ed. J. S. Wakeley, R. W. Lichvar, C. V. Noble, J. F. Berkowitz.

NIS = not identified sufficiently to determine status | NL = not listed.

2 Value equals either basal area (canopy) or cover class (all other layers).

Braun-Blanquet Cover Scale (with midpoints):

T.....present, less than 1% (0)

1.....1 to 5 % (3.0) 5.....51 to 75% (63.0)

2.....6 to 15% (10.5) 6.....76 to 95% (85.5)

3.....16 to 25% (20.5) 7.....96 to 100% (98.0)

4.....26 to 50% (38.0)

* - denotes a dominant species at this station.

3 HYDROPHYTIC = dominated by >50% FAC, FACW, or OBL plant species.

NON-HYDROPHYTIC = dominated by >50% FACU or UPL plant species.

4 Munsell Soil Color Chart - hue value/chroma (Kollmorgen Corp., 1975).

5 USDA Soil Textures:

Very Coarse Sand

Y

C....CLAY

co.....COBBLY

L....LOAM

gr....GRAVELLY

S....SAND

sh....SHALY

Si....SILT

6 Soil mapping unit and drainage class as described in USDA SCS Soil Conservation Service soil surveys.

7 Classification of mapped soil unit according to USDA Hydric Soils List for New Jersey, latest revision January 1993.

8 Wetlands (FICWD, 1989).

9 ND = no water observed to depth of sample.

10 I = hydrology inferred from soil profile.

D = drift lines, debris, water stained leaves.

M = morphological evidence (butressing, hummocks, exposed roots, etc.).

O = organic surface accumulations.

SECTION #7

Request for Letter of Interpretation, Regulatory Line Verification
for a Portion of Trenton-Mercer Airport
Terminal Replacement Study Area
Block 373, Portions of Lots 5, 6, 7, and 45
and Block 423, Portion of Lot 135
Ewing Township, Mercer County, New Jersey
AGE Project #4362

PHOTOGRAPHS WITH DESCRIPTIONS



Photo A – View, facing north, of an Unnamed Tributary to the Delaware River and associated Palustrine emergent wetland (Wetland CC).



Photo B – View, facing southwest from the top of an outfall along Bear Tavern Road, of an Unnamed Tributary to the Delaware River (State Open Water CC).



Photo C – View, facing northeast toward Flag DD1/DD17, of a modified, Palustrine emergent wetland ditch (Wetland DD) near the intersection of Sam Weinroth Road and Bear Tavern Road.



Photo D – View, facing north-northeast near Flag FF20, of a manmade emergent wetland ditch (Sample Station #5) along the west side of Sam Weinroth Road.



Photo E – View, facing north-northeast near Flags FF51/FF52, of maintained upland lawn (Sample Station #6) located along the west side of Sam Weinroth Road. An emergent wetland area (Wetland FF) is visible in the background of the photograph.



Photo F – View, facing northwest at Flag BB60, of a scrub-shrub/emergent wetland (Sample Station #1).



Photo G – View, facing northeast near Flag BB60, of maintained upland lawn (Sample Station #2) adjacent to Wetland BB (far left).



Photo H – View, facing north-northeast at Flag OWBB43, of an Unnamed Tributary to the Delaware River and associated wetlands and State open waters.



Photo I – View, facing northeast near Flag AA1, of an Unnamed Tributary to the Delaware River and associated wetland complex (Wetland AA).



Photo J – View, facing northeast between Flags AA27 and AA154, of an Unnamed Tributary to the Delaware River and associated wetland complex (Wetland AA).



Photo K – View, facing west at Flag AA118, of a Palustrine emergent wetland with scattered trees and shrubs (Wetland AA). Vegetation in this area included red maple, ash, silky dogwood, soft rush, moneywort, and Japanese stiltgrass.



Photo L – View, facing east-northeast near Flag AA117, of a Palustrine scrub-shrub/emergent wetland and Unnamed Tributary to the Delaware River.



Photo M – View, facing southeast near Flag AA101, of a Palustrine scrub-shrub/emergent wetland (Sample Station #7).



Photo N – View, facing northwest, of secondary successional upland forest (Sample Station #8) adjacent to Wetland AA.



Photo O – View, facing southeast at Flags AA81/AA82 from the top of a stormwater outfall, of a manmade emergent wetland ditch that drains to an Unnamed Tributary to the Delaware River (background).



Photo P – View, facing north-northwest toward Flags GG5/GG6, of a modified emergent wetland. Wetland GG drains under Sam Weinroth Road to Wetland JJ.



Photo Q – View, facing northeast at Flag JJ15, of a disturbed emergent wetland located along the east side of Sam Weinroth Road.



Photo R – View, facing southeast near Flag KK18, of a Palustrine emergent wetland (Sample Station #3). Wetland KK drains southeast to a manmade channel to an underground culvert.



Photo S – View, facing west at Flag KK18, of an woody old field (Sample Station #4) adjacent to Wetland KK. This area contained a significant amount of invasive species.



Photo T – View, facing northwest at Flag OWKK30 from the top of a culvert, of an open water channel. Wetland KK drains to Wetland AA and an Unnamed Tributary to the Delaware River.

SECTION #8

Request for Letter of Interpretation, Regulatory Line Verification
for a Portion of Trenton-Mercer Airport
Terminal Replacement Study Area
Block 373, Portions of Lots 5, 6, 7, and 45
and Block 423, Portion of Lot 135
Ewing Township, Mercer County, New Jersey
AGE Project #4362

**PROOF OF NOTICE TO REQUIRED AGENCIES AND
PROPERTY OWNERS WITHIN 200 FEET OF LIMIT OF DISTURBANCE
(NOTIFICATION LETTERS AND LIST OF
PROPERTY OWNERS INCLUDED)**

Date: May 19, 2020

Re: NJDEP Letter of Interpretation, Regulatory Line Verification
for a Portion of Trenton-Mercer Airport
Block 373, Portions of Lots 5, 6, 7, and 45
And Block 423, Portion of Lot 135
Ewing Township, Mercer County, New Jersey
AGE Project #4362

Applicant: Trenton-Mercer Airport
340 Scotch Road, Suite 200
Ewing, New Jersey 08628
Attn.: Melinda Montgomery, A.A.E., *Airport Manager*

Dear Ewing Township Clerk:

This letter is to notify you with legal notification that an application for a Letter of Interpretation has been submitted to the New Jersey Department of Environmental Protection (NJDEP), Division of Land Use Regulation under the *Freshwater Wetlands Protection Act Rules* (N.J.A.C. 7:7A) for the property shown on the enclosed plans. The approval will establish the boundary of freshwater wetlands on the above property.

Enclosed please find **one** copy of the NJDEP Letter of Interpretation Application package. Please retain a copy of the application package and public notice in the Municipal Clerk's Office for public review. Please note that this application package is also available for review at the NJDEP offices in Trenton during normal business hours by calling (609) 777-0456 to schedule an appointment.

The rules governing freshwater wetlands permits and approvals are found in the NJDEP's Freshwater Wetlands Protection Act Rules at N.J.A.C. 7:7A. You can view or download these rules on the NJDEP Division of Land Use Regulation website at <https://www.state.nj.us/dep/landuse/lawsregs.html>, or you can find a copy of these rules in the county law library in your county courthouse.

As part of the NJDEP's review of this application, NJDEP personnel may visit this project site, and the portion of any neighboring property that lies within a maximum of 150 feet of the site, to perform a site inspection. This site inspection will involve only a visual inspection and possibly minor soil borings using a 4" diameter hand auger. The inspection will not result in any damage to vegetation or to property improvements.

The NJDEP welcomes any comments that a person may have on this application. If a person wishes to comment on the application, comments should be submitted to the NJDEP *in writing* within 15 calendar days of receiving this letter. However, written comments will continue to be accepted until the NJDEP makes a decision on the application. Comments cannot be accepted by telephone. Comments should be submitted *in writing, along with a copy of this letter*, to:

New Jersey Department of Environmental Protection
Division of Land Use Regulation
P.O. Box 420, Mail code 501-02A
Trenton, New Jersey 08625-0420
Attn.: Ewing Township (Mercer County) Supervisor

When the NJDEP has decided whether or not this application qualifies for approval under the Freshwater Wetlands Protection Act Rules, the NJDEP will notify your office of the final decision on this application.

Sincerely,

Melinda Montgomery, A.A.E., *Airport Manager*
Trenton-Mercer Airport
340 Scotch Road, Suite 200
Ewing, New NJ 08628

Date: May 19, 2020

Re: NJDEP Letter of Interpretation, Regulatory Line Verification
for a Portion of Trenton-Mercer Airport
Block 373, Portions of Lots 5, 6, 7, and 45
And Block 423, Portion of Lot 135
Ewing Township, Mercer County, New Jersey
AGE Project #4362

Applicant: Trenton-Mercer Airport
340 Scotch Road, Suite 200
Ewing, New Jersey 08628
Attn.: Melinda Montgomery, A.A.E., *Airport Manager*

Dear Interested Party:

This letter is to provide you with legal notification that Trenton-Mercer Airport is submitting an application for an approval to the New Jersey Department of Environmental Protection (NJDEP), Division of Land Use Regulation (DLUR) under the Freshwater Wetlands Protection Act Rules (N.J.A.C. 7:7A). The approval will establish the boundary of freshwater wetlands on the above property.

If you would like to inspect a copy of the permit application package, it is available on file at the Ewing Township Municipal Clerk's Office, or you can call the NJDEP at (609) 777-0456 to make an appointment to review the application at NJDEP offices in Trenton during normal business hours.

The rules governing freshwater wetlands permits and approvals are found in the NJDEP's Freshwater Wetlands Protection Act Rules at N.J.A.C. 7:7A. You can view or download these rules on the NJDEP Division of Land Use Regulation website at <https://www.state.nj.us/dep/landuse/lawsregs.html>, or you can find a copy of these rules in the county law library in your county courthouse.

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Attn.: Ewing Township (Mercer County) Supervisor

When the NJDEP has decided whether or not this application qualifies for approval under the Freshwater Wetlands Protection Act rules, the NJDEP will notify the municipal clerk of the final decision on this application.

Sincerely,

Melinda Montgomery, A.A.E., *Airport Manager*
Trenton-Mercer Airport
340 Scotch Road, Suite 200
Ewing, New NJ 08628

THE TOWNSHIP OF EWING 5

Municipal Complex
2 Jake Garzio Drive
Ewing, NJ 08628



Page 1 of 5
Phone: (609) 883-2900

APPLICANT'S NAME: _____ ADDRESS: Mercer County Airport

SECTION: 373 LOTS: 5, 6, 7 & 45 AND SECTION: 423 LOT: 135 MAP PAGE: various

ADJACENT PROPERTY OWNER LIST

BLOCK: ALL LOT: ALL

Sumoco Pipeline L.P.
Right of Way Dept.
Montello Complex
525 Fritztown Road
Sinking Spring, PA 19608

Public Service Electric and Gas Company
Manager - Corporate Properties
80 Park Plaza, T6B
Newark, NJ 07102

D & R Canal Commission
33 Risler Street
PO Box 239
Stockton, NJ 08559-0539

Mercer County Planning Board
McDade Administration Building
640 South Broad Street, PO Box 8068
Trenton, NJ 08650

NJ Department of Transportation
c/o Commissioner-Office of Major Arterials
1035 Parkway Avenue, CN 800
Trenton, NJ 08625

PROPERTY ID	PROPERTY LOCATION	CLASS	OWNER NAME & ADDRESS
373 4.03	ORIOLE DR	150	COUNTY OF MERCER 640 S BROAD ST TRENTON NJ 08620
373 5	470 STAR TAVEN ROAD	150	COUNTY OF MERCER 1100 TERMINAL CIRCLE 1110 EWING, NJ 08629
373 5.01	601 JACK STEPHAN WAY	4A	FLIGHT SERV. LLC ATTN:ADOT PAYAHIN 601 JACK STEPHAN WAY EWING, NJ 08629
373 5.02	1001 JACK STEPHAN WAY MERCER CO AIRPORT	4A	PIPER INC 100 JERSEY TAX & INC PEARACK NJ 08647
373 5.03	1100 TERMINAL CIRCLE DR PASSENGER TERMINAL	150	COUNTY OF MERCER 1100 TERMINAL CIRCLE-0301 EWING NJ 08629
373 5.04	AIRPORT	150	COUNTY OF MERCER AIRPORT ADMIN SAM WEINROTH ROAD EWING NJ 08629
373 5.05	JACK STEPHAN WAY AIRPORT	150	COUNTY OF MERCER 640 S BROAD ST TRENTON NJ 08620
373 10	AIRPORT	150	COUNTY OF MERCER 1100 TERMINAL CIRCLE 1110 EWING, NJ 08629
373 16	20 W UPPER PERRY RD	2	AGGARALI, WAYNE F. 20 WEST UPPER PERRY ROAD EWING, NJ 08629
373 17	10 W UPPER PERRY RD	4A	SENECA ESTATE DR 47 MONTAGUE AVENUE EWING, NJ 08629
373 22	24 W UPPER PERRY RD	2	ROKING, JONATHAN D 24 W. UPPER PERRY RD EWING, NJ 08629
373 44	22 W UPPER PERRY RD	2	RICHES HUND LLC 1309 PROSPERITY PARK DR. YARDLEY, PA 19067
373 38	ORIOLE DR REAR OF PINK HOUSE	150	COUNTY OF MERCER SOUTH ROAD EWING, NEW JERSEY 08629
374 1	UPPER PERRY RD	150	COUNTY OF MERCER 640 S BROAD STREET TRENTON, NJ 08620
374 3	JACK STEPHAN WAY	150	TOWNSHIP OF EWING 2 JACK GARZIO DRIVE EWING, NJ 08629
374 4.01	1500 PARKWAY AVE NEAR	150	COUNTY OF MERCER AIRPORT ADMIN SAM WEINROTH ROAD EWING NJ 08629
374 5.02	1500 PARKWAY AVE RAVAL WAREHOUSE CENTER	4A	M & H MERCER REALTY/BRASSING REALTY 7 MAIN PLAZA, SUITE 1600 NEW YORK NJ 10001
374 5.01	1500 PARKWAY AVE NEAR AIRPORT	150	COUNTY OF MERCER AIRPORT ADMIN SAM WEINROTH ROAD EWING NJ 08629

PROPERTY ID	PROPERTY LOCATION	CLASS	OWNERS NAME & ADDRESS	
378 18	1565 PARKWAY AVE	4A	BLANCARDI, ANGELA M. 101 FEDERAL POINT BLVD LAWRENCEVILLE, NJ	08648
379 362	19 W UPPER FERRY RD	2	MCQUILLAR, YVONNE 19 WEST UPPER FERRY ROAD EWING, NEW JERSEY	08628
379 163	17 W UPPER FERRY RD	2	PENNYMAC LOAN SERVICES LLC 3042 TOMMAGATE RD #200 WRESTAKE VILLAGE, CA	91361
379 364	15 W UPPER FERRY RD	2	MILLER MICHAEL S & JENNIFER L. 15 WEST UPPER FERRY ROAD EWING, NEW JERSEY	08628
379 365	11 W UPPER FERRY RD	2	GRIFF, CYNTHIA & EARL E. JR. 129 MOUNTAINVIEW RD EWING, NJ	08540-1220
379 381	9 W UPPER FERRY RD	2	ARQUENA, REYNA & RAFAEL DAVILA, VICT 9 WEST UPPER FERRY RD EWING, NJ	08628
379 382	7 W UPPER FERRY RD	2	KOE REAL ESTATE LP P.O. BOX 913 PENNINGTON, NJ	08648
379 383	5 W UPPER FERRY RD	2	ARGENTI, ANTHONY A 5 WEST UPPER FERRY RD EWING, NJ	08628
379 364	3 W UPPER FERRY RD	2	ES-LEVEL 1 LLC 18 SCHOOL STREET #100 RYE, NY	10580
379 385	1 W UPPER FERRY RD	2	O'CONNOR THOMAS J DX 1 W UPPER FERRY ROAD EWING, NJ	08628
455 11	111 MEADOW LARK LA	150	COUNTY OF MERCER 640 S BROAD ST TRENTON NJ	08611
455 12	113 MEADOW LARK LA	150	COUNTY OF MERCER 640 S BROAD ST TRENTON NJ	08611
455 13	115 MEADOW LARK LA	150	COUNTY OF MERCER 640 S BROAD ST TRENTON NJ	08611
455 14	117 MEADOW LARK LA	150	COUNTY OF MERCER 640 S BROAD ST TRENTON NJ	08611
455 15	119 MEADOW LARK LA	150	COUNTY OF MERCER 640 S BROAD ST TRENTON NJ	08611
455 2	108 ROBIN RD	150	COUNTY OF MERCER 640 S BROAD ST TRENTON, NJ	08611
456 3	110 MEADOW LARK LA	150	COUNTY OF MERCER 640 S BROAD ST TRENTON NJ	08611
456 4	112 MEADOW LARK LA	150	COUNTY OF MERCER 640 S BROAD ST TRENTON NJ	08611
456 5	114 MEADOW LARK LA	150	COUNTY OF MERCER 640 S BROAD ST TRENTON NJ	08611
456 6	116 MEADOW LARK LA	150	COUNTY OF MERCER 640 S BROAD ST TRENTON NJ	08611
457 1	50 ORIOLE DR	150	COUNTY OF MERCER 640 S BROAD ST TRENTON NJ	08611
457 2	48 ORIOLE DR	150	COUNTY OF MERCER 640 S BROAD ST TRENTON NJ	08611
457 3	46 ORIOLE DR	150	COUNTY OF MERCER 640 S BROAD ST TRENTON NJ	08611
457 4	44 ORIOLE DR	150	COUNTY OF MERCER 640 S BROAD ST TRENTON NJ	08611
457 5	42 ORIOLE DR	2	DEKIS, ROBERT J. & LISA L. 42 ORIOLE DRIVE EWING, NJ	08628
457 6	40 ORIOLE DR	2	CAMULLI STEPHANIE & MAZZUCA JR CARM 40 ORIOLE DRIVE EWING, NJ	08628
457 7	38 ORIOLE DR	2	UHLER GLEN A & MARILYN APPLEGATE 560 BEECHTREE DR CINCINNATI, OH	45224
457 8	36 ORIOLE DR	2	MORENCY, ANTOINETTE 36 ORIOLE DRIVE EWING, NJ	08628
457 9	34 ORIOLE DR	2	GAINES, QUINN 34 ORIOLE DR EWING, NJ	08628
457 10	32 ORIOLE DR	150	COUNTY OF MERCER 640 S BROAD ST TRENTON NJ	08611
457 11	30 ORIOLE DR	2	PACHECO, JAMES 30 ORIOLE DRIVE EWING, NJ	08628
457 12	28 ORIOLE DR	150	COUNTY OF MERCER 640 S BROAD ST TRENTON NJ	08611

PROPERTY ID	PROPERTY LOCATION	CLASS	OWNERS NAME & ADDRESS	
373 7 C101	AIRPORT	150	COUNTY OF MERCER 1100 TERMINAL CIRCLE #301 BRIDGE, NJ	08620
373 1	MERCER COUNTY AIRPORT	150	COUNTY OF MERCER 1100 TERMINAL CIRCLE #310 BRIDGE, NJ	08620
373 1 T01	TOWER RD AIRPORT	4A	ROCKWELL COMMUNICATIONS, INC. P.O. BOX 725007 ATLANTA, GA	31130
373 2	700 BEAN TAVERN RD H.O.T. GARAGE	150	STATE OF NJ PO BOX 700 TRENTON, NJ	08620
373 2	BEAN TAVERN RD	150	STATE OF NJ DEPT OF MORMAN GRAY 222 SOUTH WARREN ST. TRENTON NJ	08620
373 6	AIRPORT	150	COUNTY OF MERCER AIRPORT APTN SAM WEINROTH ROAD BRIDGE, NJ	08620
373 6.01	100 SAM WEINROTH RD	4A	MERCER CHURCH & DONNE 100 SAM WEINROTH RD WEST TRENTON, NJ	08620
373 7	AIRPORT CONTROL TOWER TRENTON-MERCER	150	COUNTY OF MERCER 1100 TERMINAL CIRCLE-3001 BRIDGE, NJ	08620
373 7 T01	50 CONTROL TOWER DR	150	COUNTY OF MERCER 1100 TERMINAL CIRCLE-3001 BRIDGE, NJ	08620
373 7.01	MERCER COUNTY AIRPORT AIRFRAME HANGAR INC	1	TRENTON MERCER HANGAR ASSOC. INC. 103 CONTROL TOWER DR E-1 BRIDGE, NJ	08620
373 7.01 C101	MERCER COUNTY AIRPORT AIRFRAME HANGAR INC	4A	ROSTER, ROBERT & JEANETTE 1075 LAKE RD FRANKFORD, PA	19023
373 7.01 C102	MERCER COUNTY AIRPORT AIRFRAME HANGAR INC	4A	ROSTER, ROBERT & JEANETTE 1075 LAKE RD FRANKFORD, PA	19023
373 7.01 C103	MERCER COUNTY AIRPORT AIRFRAME HANGAR INC	4A	BILKA, GLENN 510 MARIA CIR DUNELAND, PA	19020
373 7.01 C104	MERCER COUNTY AIRPORT AIRFRAME HANGAR INC	4A	ROSTER, ROBERT & JEANETTE 1075 LAKE RD FRANKFORD, PA	19023
373 7.01 C105	MERCER COUNTY AIRPORT AIRFRAME HANGAR INC	4A	COLLINS, MURKIN 15 STURDY BROOK LA PRINCETON, NJ	08540
373 7.01 C106	MERCER COUNTY AIRPORT AIRFRAME HANGAR INC	4A	MERLIN, JAMES P.O. BOX 1 BUCKINGHAM, PA	19012
373 7.01 C107	MERCER COUNTY AIRPORT AIRFRAME HANGAR INC	4A	ARMY, MAJOR M. & AVANT M. 5 SCODOLA DRIVE DARTON, NJ	08810
373 7.01 C108	MERCER COUNTY AIRPORT AIRFRAME HANGAR INC	4A	BLEDSON, NELL 115 HARRIS CROSSING LANCHORNE, PA	19047
373 7.01 C109	MERCER COUNTY AIRPORT AIRFRAME HANGAR INC	4A	ESPINOZA, NICHOLAS 601 KENNEDY AVE LANCHORNE, PA	19047
373 7.01 C110	MERCER COUNTY AIRPORT AIRFRAME HANGAR INC	4A	FRANCO, JOHN LUMINAR 2225 YANLEY ROAD YANLEY, PA	19087
373 7.01 C111	MERCER COUNTY AIRPORT AIRFRAME HANGAR INC	4A	GIBSON JR., JOHN V 649 HIDDEN OAKS DR ZAKESBY, PA	19087
373 7.01 C201	MERCER COUNTY AIRPORT AIRFRAME HANGAR INC	4A	AIRTEX PRODUCTIONS INC 255 LOWER MARKETVILLE RD PALLSINGTON, PA	19024
373 7.01 C202	MERCER COUNTY AIRPORT AIRFRAME HANGAR INC	4A	BOLT, WILLIAM 55 HARVEY ROAD LEVITTOWN, PA	19056
373 7.01 C203	MERCER COUNTY AIRPORT AIRFRAME HANGAR INC	4A	BRANS, FRED 29 S. BRADY STREET DOYLESTOWN, PA	19021
373 7.01 C204	MERCER COUNTY AIRPORT AIRFRAME HANGAR INC	4A	GLENWOOD FORRYAN CAR INC 224 WOOLSTON DR MURKINVILLE, PA	19067
373 7.01 C205	MERCER COUNTY AIRPORT AIRFRAME HANGAR INC	4A	GRIFFITH, SCOTT M. & DIANE L. 1045 OLD JACKSONVILLE RD. IVYLAND, PA	18574
373 7.01 C206	MERCER COUNTY AIRPORT AIRFRAME HANGAR INC	4A	DI PASCO, JACK P. 3005 NEW RODGERS RD BRIDGE, NJ	08620
373 7.01 C207	MERCER COUNTY AIRPORT AIRFRAME HANGAR INC	4A	MEDISPACE AVIATION, LLC / E.TENG 11-04 102ND ST #4 HUNTER MEADOWS, NY	11360
373 7.01 C208	MERCER COUNTY AIRPORT AIRFRAME HANGAR INC	4A	WASHINGTON KN ASSOCIATES 520 BEAN TAVERN RD #303 BRIDGE, NJ	08620
373 7.02	MERCER COUNTY AIRPORT EXA C-2	1	AIRFRAME HANGAR INC 2412 E. BRADY RD WILMINGTON DE	19803
373 7.02 C301	SAM WEINROTH ROAD EXA C-2	4A	CORPORATE AVIATION HANGAR/T. BEARS 20 S. BRADY STREET DOYLESTOWN, PA	19021
373 7.02 C302	SAM WEINROTH ROAD EXA C-2	4A	CORP AVIATION HANG/T. BEARS 137 N. LINCOLN AVENUE NEWTOWN, PA	18940
373 7.02 C303	SAM WEINROTH ROAD EXA C-2	4A	NETWORK SALES AND LEASING CORP 445 PINEVILLE RD NEWTOWN, PA	18940
373 7.02 C304	SAM WEINROTH ROAD EXA C-2	4A	CORPORATE AVIATION HANG/NETWORK SALES 445 PINEVILLE ROAD NEWTOWN, PA	18940
373 7.02 C305	SAM WEINROTH ROAD EXA C-2	4A	CORPORATE AVIATION HANGARS P.O. BOX 754 DEVON, PA	19338
373 7.02 C306	SAM WEINROTH ROAD EXA C-2	4A	CORPORATE AVIATION HANGARS P.O. BOX 754 DEVON, PA	19338

January 7, 2020

PROPERTY ID	PROPERTY LOCATION	CLASS	OWNERS NAME & ADDRESS
373 7.02 C402	SAN WEINROTH ROAD C-D2	4A	CORPORATE AVIATION HANGARS P.O. BOX 754 DEVON PA 18033
373 7.02 C403	SAN WEINROTH ROAD C-D3	4A	CORPORATE AVIATION HANGARS P.O. BOX 754 DEVON PA 18033
373 7.02 C404	SAN WEINROTH ROAD FKA C-D4	4A	CORPORATE AVIATION HANG/PATTERSON 35 ORCHARD WAY YARDLEY, PA 19067
373 7.02 C405	SAN WEINROTH ROAD FKA CD-5	4A	CORPORATE AVIATION HANGARS P.O. BOX 754 DEVON PA 18033
373 7.03	AIRPORT	15C	COUNTY OF MERCER / FAA TOWER 1100 TERMINAL CIRCLE #310 EWING, NJ 08628
373 8	AIRPORT	15C	COUNTY OF MERCER 1100 TERMINAL CIRCLE #310 EWING NJ 08628
373 8.01	AIRPORT SIGNATURE FLIGHT	4A	ROSS TRENTON LLC / SIGNATURE FLIGHT 18 WEST PIPER AVENUE EWING, NJ 08628
373 8.02	AIRPORT 8.02 MERGED IN	4A	TAC TECHNICAL 152 MERCER COUNTY AIRPORT EWING, NJ 08628
373 8.04	AIRPORT	15C	COUNTY OF MERCER 640 E BROAD ST TRENTON NJ 08650
373 8.05	AIRPORT-MAINT BLDG #10 MAINT BLDG #10	15C	COUNTY OF MERCER AIRPORT BLDG #10 1100 TERMINAL CIRCLE #301 EWING NJ 08628
373 8.06	10 GRUMMAN	15C	COUNTY OF MERCER 1100 TERMINAL CIRCLE #310 EWING, NJ 08628
373 8.07	SCOTCH RD MOCC SCHOOL	15C	COUNTY OF MERCER MERCER AIRPORT SCOTCH RD EWING NJ 08628
373 8	AIRPORT	15C	COUNTY OF MERCER 1100 TERMINAL CIRCLE #310 EWING, NJ 08628
373 9	BEAR TAVERN RD	15C	STATE OF NJ DEPT OF HUMAN SERV 222 SOUTH WARREN ST. TRENTON NJ 08625
373 45	AIRPORT	15C	COUNTY OF MERCER 1100 TERMINAL CIRCLE #310 EWING, NJ 08628
423 2	601 BEAR TAVERN RD	2	DRIVER, STEVEN 601 BEAR TAVERN RD EWING, NJ 08628
423 3.01	80 W UPPER FERRY RD SUB DIV FROM 423/3	4A	RGS PROPERTY, LLC 80 W. UPPER FERRY RD EWING, NJ 08625
423 3.02	80 W UPPER FERRY RD BEAR SUB DIV FROM 423/3	1	ENDOW ASSOCIATES LIMITED LIA. 1333 BRUNSWICK PK, STE 200 LAWRENCEVILLE MT 08648
423 17	721 BEAR TAVERN RD JONES FARM DAIRY AND	15C	STATE OF NEW JERSEY P.O. BOX 576 TRENTON, NJ 08625
423 18	RIDGE AVE	15C	STATE OF NJ DEPT OF HUMAN SERV 222 S WARREN ST TRENTON NJ 08625
423 18.01	99 RIDGE AVE	2	HARTER THOMAS A & LISA E. 99 RIDGE AVENUE EWING NJ 08628
423 57	COSEY ROAD FKA STATE POLICE BAS	15C	STATE OF NJ DEPT OF TREASURY DEPT OF TREA GSA CM226 TRENTON, NEW JERSEY 08625
423 92	615 BEAR TAVERN RD	2	SOMMERS, BRIAN R. 615 BEAR TAVERN ROAD EWING, NEW JERSEY 08628
423 110	1 RIDGE AVE	2	BUCK, GARY P. JR 1 RIDGE AVE EWING, NJ 08628
423 111	BEAR TAVERN RD 196	15C	COUNTY OF MERCER 640 SO BROAD STREET TRENTON NJ 08611
423 135	BEAR TAVERN RD	15C	COUNTY OF MERCER SCOTCH ROAD EWING, NJ 08628
423 151	623 BEAR TAVERN RD	2	BARNETT, MATTHEW 623 BEAR TAVERN ROAD EWING, NJ 08628
423 164	1 SUNSET AVE	2	DRIVER STEVEN K 1 SUNSET AV EWING NJ 08628
423 166	627 BEAR TAVERN RD	2	LEAR, JAMES D. 627 BEAR TAVERN ROAD EWING, NJ 08628.27/02
423 210	3 RIDGE AVE	2	ANDERSON MICHAEL T & DONNA 3 RIDGE AVE EWING, NJ 08628

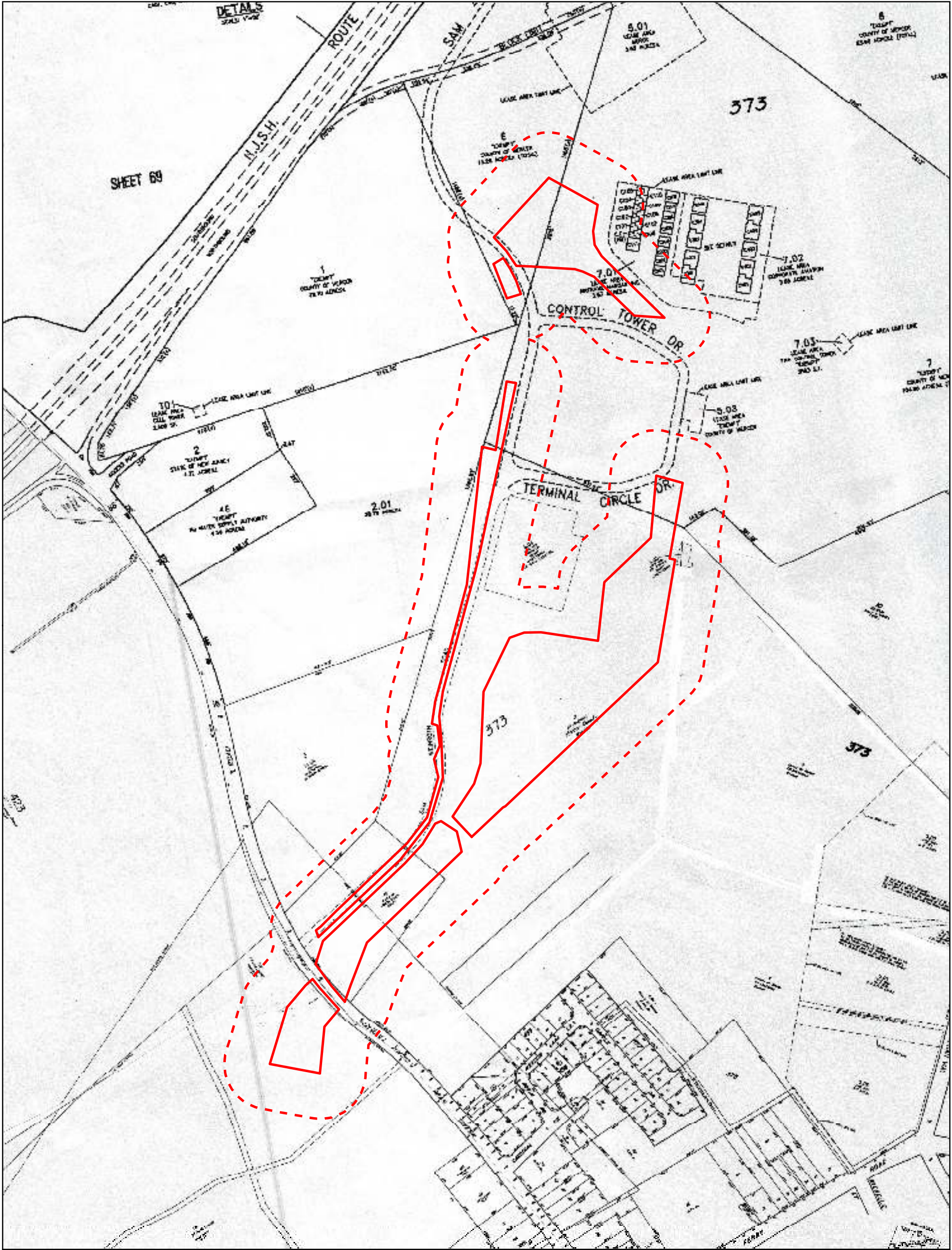
January 7, 2020

PROPERTY ID	PROPERTY LOCATION	CLASS	OWNER NAME & ADDRESS	
455 2	654 BEAR TAVERN RD	150	COUNTY OF MERCER 640 S BROAD ST TRENTON NJ	08611
455 3	648 BEAR TAVERN RD	150	COUNTY OF MERCER 640 S BROAD ST TRENTON NJ	08611
455 5	650 BEAR TAVERN RD	2	VILLAGRAN-CHAN, HECTOR 650 BEAR TAVERN RD EWING, NJ	08620
455 6	101 ROBIN RD	2	CIPOLLONE, DEBORAH A. 101 ROBIN DRIVE EWING, NJ	08628
455 7	103 ROBIN RD	2	BURNA, CURTIS 103 ROBIN ROAD EWING, NJ	08628
455 8	105 ROBIN RD	150	COUNTY OF MERCER 640 S BROAD ST TRENTON NJ	08611
455 9	107 ROBIN RD	150	COUNTY OF MERCER 640 S BROAD ST TRENTON NJ	08611
455 10	109 ROBIN RD	150	COUNTY OF MERCER 640 S BROAD ST TRENTON NJ	08611
424 24	51 SUNSET AVE	2	CONDORIS, WAYNE 51 SUNSET DRIVE EWING, NJ	08620
424 27	49 SUNSET AVE	2	CHATELLEWELL, DAVID R & ANNE K 49 SUNSET AVENUE EWING, NJ	08628
424 20	47 SUNSET AVE	2	JONES, ANTHONY J & KAREN D 47 SUNSET AVENUE EWING, NJ	08628
424 23	45 SUNSET AVE	2	LALLY, MADALEN & JOHN 45 SUNSET AVE. EWING, NJ	08628
424 30	41 SUNSET AVE	2	TRAVILLA, KANDRA 41 SUNSET AVE. EWING, NJ	08628
424 32	37 SUNSET AVE 18, 3X	2	MASTANTER, KARRADA 37 SUNSET AVE EWING, NJ	08620
424 34	35 SUNSET AVE	2	POWER, BOB & MILDRED 35 SUNSET AVENUE EWING, NJ	08628
424 35	33 SUNSET AVE	2	SHANTENBERG, CHRISTOPHER J. 33 SUNSET AVE EWING, NJ	08628
424 36	31 SUNSET AVE	2	SAVAKO, ERIC 31 SUNSET AVE EWING, NJ	08628, 08728
424 37	29 SUNSET AVE 18, 3X	2	WISLEY, ALLEN & VERONICA 29 SUNSET AVE EWING, NJ	08628
424 40	25 SUNSET AVE 24	2	ACE, DENNIS J. & KARRADA E. 25 SUNSET AVENUE EWING, NJ	08628
424 41	21 SUNSET AVE 25	2	STANISLAW, JOSEPH M JR 21 SUNSET AVE EWING, NJ	08628
424 42.01	19 SUNSET AVE FRA 12 SUNSET	2	BURKALSKI, RONALD 19 SUNSET AVE EWING, NJ	08628
424 44.01	11 SUNSET AVE	2	WYCK, EVA S 11 SUNSET AVE EWING, NJ	08628
424 48	7 SUNSET AVE	2	BOGUSINSKI, MARTIN A 7 SUNSET AVE EWING, NJ	08628
424 49	5 SUNSET AVE	2	TRIMMER, RICHARD W. 5 SUNSET AVE EWING, NJ	08628
424 50	3 SUNSET AVE	2	BRONKHORST, MARK A & DEBRA A 3 SUNSET AVE EWING, NJ	08628
455 1	650 BEAR TAVERN RD	150	COUNTY OF MERCER 640 S BROAD ST TRENTON NJ	08611

The undersigned, being the Administrative Officer of the Township of Ewing, as defined in N.J.S.A. 40:55D-3, hereby certifies that the above information constitutes the names and addresses of the owners of all properties within 200 feet of the above referenced property.

Dated: 1/7/2020

Charles A. Latona, Jr.
Zoning Officer



- Legend**
- Study Area
 - 200-foot Buffer of Study Area

Note: Map scale is approximate

Source:
Municipal Tax Map for Ewing Township, Mercer County, New Jersey, Sheet 63, 66, 71, 72, 73, 92 and 93, prepared by
Charles E. Adamson, P.L.S., Remington, Vernick, & Arango Engineers, Cinnaminson, NJ, last revised November 2017.

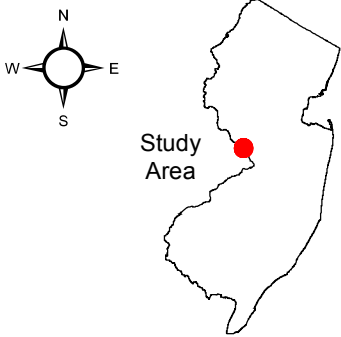


Figure 1
Municipal Tax Map

Trenton - Mercer Airport
portions of
Block 373; Lots 5, 6, 7, & 45
and Block 423; Lot 135
Ewing Township
Mercer County, New Jersey

ASGECI Project # 4362

400
Feet



SECTION #9

Request for Letter of Interpretation, Regulatory Line Verification
for a Portion of Trenton-Mercer Airport

Terminal Replacement Study Area

Block 373, Portions of Lots 5, 6, 7, and 45

and Block 423, Portion of Lot 135

Ewing Township, Mercer County, New Jersey

AGE Project #4362

RESUMES OF PREPARERS

Years Of Experience: 15

Education

- ⇒ B.S. Animal Biotechnology and Conservation, Delaware Valley College, Doylestown, PA, 2005

Training

- ⇒ USEPA Hazardous Materials Incident Response Operations Training Course, 40 hrs, July 2005;
- ⇒ Confined Space Entry, 8 hrs, November 2005;
- ⇒ OSHA Site Safety Officer, 8 hrs, March 2006;
- ⇒ OSHA 8 Hour HAZWOPER refresher: 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016.
- ⇒ NJ Boating Safety Certificate 2010
- ⇒ Cook College Continuing Education, Rutgers Univ: Introduction to Wetland Identification, October 2005; Groundwater in Fractured Bedrock, Cook College Continuing Professional Education, March 2006; Endangered & Threatened Species of Northern NJ, March 2007;
- ⇒ NJ Transit Safety Training and Roadway Worker Safety, 12/06, 4/11, 6/12, 8/13;
- ⇒ AMTRAK Contractor Safety Training, May 2007, October 2010, and July 2013;
- ⇒ Cook College Continuing Education, Rutgers Univ Vegetation ID for Wetland Delineation – North, July 2007;
- ⇒ Cook College Continuing Education, Rutgers Univ Methodologies for Delineating Wetlands, October 2007;
- ⇒ Certified Wetland Delineator, October 2007, Rutgers State University, Cook College;
- ⇒ Coastal Project Review, April 2008;
- ⇒ NJ Wetlands Manual Training Workshop, August 2008, Rutgers – New Jersey Agricultural Experiment Station, Office of Continuing Professional Education.
- ⇒ Ecological Risk Assessment: Practices and Protocols, Rutgers, The New Jersey Agricultural Experiment Station, Office of Continuing Education, March

KEY QUALIFICATIONS

Ms. LaStella has experience in performing environmental and ecological investigations and preparing environmental documentation and permit applications. She has performed wetland delineations; prepared applications for wetlands and other environmental permits; conducted surveys for endangered and threatened species; provided oversight of wetland mitigation plantings; and conducted post construction monitoring of wetland mitigation sites. She has prepared environmental screening reports and Categorical Exclusion Documentation for State and Federally funded projects in accordance with FHWA NEPA requirements. She has inventoried environmentally sensitive resources to identify potential receptors of contamination as part of Baseline Ecological Evaluations. She has performed Phase I environmental site assessments for transportation projects and residential, agricultural, commercial and industrial properties and prepared environmental site assessment reports, which included records reconnaissance and review of historical aerials, topographic and Sanborn maps. She has also provided oversight of remedial investigation and remedial action projects, which included preparation of NJDEP technical reports such as Site Investigation, Preliminary Assessment, Remedial Action, and Remedial Investigation Reports. She has performed underground storage tank investigation, decommissioning and compliance, and designed, assisted and performed oversight of soil boring and test pitting studies. Ms. LaStella has performed the duties of Site Safety Officer of contaminated construction sites, including preparation, instruction and enforcement of a Health and Safety Plan. She also prepared a Health & Safety Program Manual, Drug and Alcohol Policy, and Hazard Communication Program for ASGECI.

Ms. LaStella has volunteered her time to assist with early and late season bog turtle investigations of calcareous fens in Sussex County, New Jersey. She has also volunteered with the Wildlife Conservation Corps and the Endangered and Non-Game Species Program to assist with Great Blue Heron Surveys in Hunterdon County, New Jersey. Ms. LaStella received an award (April 2008) for contributing over 500 hours of volunteer service to Great Swamp National Wildlife Refuge in Basking Ridge, New Jersey.

RELEVANT EXPERIENCE

NJDOT / Jacobs Civil Inc. / Route 7, Section 2, Wittpenn Bridge over the Hackensack River / Township of Kearny and City of Jersey City, Hudson County, New Jersey – Environmental Scientist assisting with the preparation of an NJDEP Individual Freshwater Wetlands/Open Water Fill Permit and Waterfront Development Permit for the replacement of the Route 7, Wittpenn Bridge over the Hackensack River. Services were performed in accordance with the NJDOT Procedures Manual and Capital Projects Delivery Process. Senior Environmental Scientist also responsible for the preparation for an Essential Fish Habitat Assessment to comply with NJDEP Coastal Zone Management Rules.

Golder Associates, Inc. / Caldwell Trucking Company Superfund Site / Fairfield Township, Essex County, New Jersey – Senior Environmental Scientist responsible for assisting with the delineation of freshwater wetlands and State open waters on a superfund site. Senior Environmental Scientist also assisted with the preparation of an NJDEP General Permit #4 Equivalency Permit Application to authorize remedial investigation activities within freshwater wetlands. Senior Environmental Scientist also responsible for coordinating with Golder Associates on the development of a Planting Plan.

Training Cont.

- ⇒ Refuge Comprehensive Conservation Planning WLD2126, National Conservation Training Center, USFWS, 2010
- ⇒ Waste Site Evaluation Refresher Training, PennDOT, March 2011
- ⇒ Wind Energy and Wildlife Forum, Maine Chapter for the Wildlife Society, May 2011.
- ⇒ First Aid and CPR, September 2012.
- ⇒ Wetland Sedges, Grasses and Rushes, The Swamp School, June 26, 2013
- ⇒ Northeast Bat Working Group, 2014 Annual Meeting, Jan. 2014.
- ⇒ Grassland Bird Conservation in Northeast Haylands and Pasturelands, USDA Natural Resources Conservation Service, Jan. 2014

Installation of Variable Message Signs at New and Existing Locations on the Garden State Parkway, Various Municipalities, Various Counties, NJ. NJ Turnpike Authority/Arora & Associates, P.C. Senior Environmental Scientist responsible for the field investigation and wetland delineation of State open waters and wetlands at numerous locations along the Garden State Parkway between Mileposts (MP) 5 to 172. Also responsible for GPS data collection of wetland flags and top of bank points for identification of riparian zones at select locations utilizing a Trimble GPS unit. Responsible for determining permitting requirements for the construction of Variable Message Signs, underground conduit, and attendant features under the NJDEP Freshwater Wetlands Protection Act Rules, Coastal Zone Management Rules, and Flood Hazard Area Control Act (FHACA) Rules. Responsible for the preparation of NJDEP Freshwater Wetlands General Permit, NJDEP FHACA Permit-by-Rule Notifications and a Phase B Environmental Report in accordance with the New Jersey Turnpike Authority Procedures Manual. Field investigations and permit preparations were performed under a strict time constraints.

Monmouth County Engineering Department and French & Parrello Associates, P.A. / Reconstruction of Monmouth County Bridge S-17 (Hubbard Bridge) County Route 10 (West Front Street) over Swimming River / Middletown Township & Red Bank Borough, Monmouth County, New Jersey – Senior Environmental Scientist responsible for the preparation of applications for USACE Preconstruction Notification and Section 404/10 Nationwide Wetlands Permit #23 and a NJDEP Waterfront Development Permit and Coastal Wetlands (1970) Permit for the

Monmouth County Bridge S-17 reconstruction project. Also responsible for the preparation of an Essential Fish Habitat Evaluation pursuant to USACE and National Marine Fisheries Service requirements.

NJDOT and Arora & Associates, P.C. / Route 35 Matawan Creek Laurence Harbor Parkway / Aberdeen Township, Monmouth County and Old Bridge Township, Middlesex County, New Jersey – Senior Environmental Scientist responsible for the preparation of applications for a NJDEP Coastal Areas Facility Review Act (CAFRA) Permit, Waterfront Development Permit, and Coastal Wetland General Permit for the Route 35 roadway and drainage improvement project.

EnviroGroup Limited and Diamond Chemical Company, Inc. / Diamond Chemical Company / East Rutherford Borough, Bergen County, New Jersey – Senior Environmental Scientist assisting with the delineation of wetlands along onsite tidal ditches. Environmental Scientist responsible for the preparation of an NJDEP Freshwater Wetlands General Permit #4 and Waterfront Development Permit and an USACE Section 404/10 Nationwide Permit #38 for the remediation and capping of the onsite tidal ditches. Environmental Scientist also responsible for conducting a tree survey, where trees greater than 5" Diameter at Breast Height (DBH) were inventoried and located with a Trimble GPS.

Kinnelon Borough Board of Education / Kinnelon High School Expansion/ Kinnelon Borough, Morris County, New Jersey – Environmental Scientist responsible for preparation of a Highlands Applicability and Water Quality Management Plan Consistency Determination Application for submission to NJDEP Division of Watershed Management for the construction of a high school addition and associated parking lot. Also prepared an application for a NJDEP Freshwater Wetlands General Permit #10A for access road construction. The project has been constructed.

Medina Consultants / Route 206 – Peapack Brook, MP 80.55 / Peapack & Gladstone Borough, Somerset County, New Jersey – Environmental Scientist assisting with wetlands delineation and the preparation of an NJDEP Emergency General Permit #20A for slope stabilization of Route 206 and Peapack Brook. Work was performed as part of an open-end contract with NJDOT for emergency services.

New York State Department of Environmental Protection / PB Americas, Inc. / NY 27 Operational Performance Study / Township of Brookhaven, Suffolk County, Long Island, New York - Senior Environmental Scientist responsible for conducting environmental resource screening of an approximate 11.5-mile long by an approximate 5-mile wide study area for improvements to the Sunrise Highway (NY 27). Resources include wetlands, floodplains, forests, parklands, streams/waterbodies, and other cultural resources. Also responsible for the preparation of an Inventory of Natural Resources Report.



Years Of Experience: 28

Education

- ⇒ M.F.A. Visual Art, Bennington College, 2002
- ⇒ B.S. Environmental Science, East Stroudsburg University, Stroudsburg, PA, 1984

Professional Affiliations

- ⇒ Society of Wetland Scientists, Certified Professional Wetland Scientist - 2012
- ⇒ Rutgers University Certified Wetland Delineator

Training

- ⇒ American Red Cross, Adult First Aid/CPR: September, 2012
- ⇒ Wetland Training Institute, Wetland Delineation Certification, 1990;
- ⇒ Rutgers University, NJDEP Endangered and Nongame Species Program Landscape Project Training, 2005;
- ⇒ Cook College, College of Continuing Professional Education Seminars, Rutgers – New Jersey Agricultural Experiment Station, Office of Continuing Professional Education:
 - Vegetation Identification for Wetland Delineation – South September 2011;
 - NJ Wetland Mitigation Planning Hydrologic Budget Manual Training, NJ Coastal Permit Seminar, 1993;
 - Hydric Soils of NJ, 1991;
 - Wetland Identification, 1990;
 - Geology and Hydrogeology of NJ Coastal Plains, 1989;
 - NJ Freshwater Wetlands Permit Seminar, 1989;
 - Geology and Hydrogeology of Northern New Jersey, 1988;
 - New Flood Hazard Area Control Act Rules, November 2008;
 - Vegetation Identification for Wetland Delineation – South, September 2011
- ⇒ NJ Wetlands Manual Training Workshop, August 2008,
- ⇒ NJ Transit Operators / Contractors Safety Orientation, 2005;

KEY QUALIFICATIONS

Mr. Macholdt is a Society of Wetland Scientists Certified Professional Wetland Scientist and has extensive experience in management and performance of environmental studies including wetland delineation, wetland permitting, wetland mitigation design, endangered and threatened species surveys, hydrologic and soils investigations, wildlife studies, environmentally sensitive areas mapping, habitat restoration and environmental impact assessment. Mr. Macholdt has been a member of teams performing phase I bog turtle surveys and phase II bog turtle surveys and surveys for listed vegetative endangered and threatened species in New Jersey and New York. He has extensive experience in preparation of State and Federal environmental permit applications including NJDEP Freshwater and Coastal Wetlands Permits; Wetland Transition Area Waivers; Flood Hazard Area Permits; Waterfront Development Permits; NJ Pinelands Public Development Approval; USACE Section 10/404 wetland permits; and PADEP Section 105 Wetlands Permits. Mr. Macholdt is experienced in interaction and consultation with regulatory and resource protection agencies including NJDEP, PADEP, USACE, USFWS, NMFS, NPS, and others.

RELEVANT EXPERIENCE

Route 206 Over Assiscunk Creek Bridge Replacement, Mansfield & Springfield Townships, Burlington County, NJ. New Jersey Department of Transportation/ Vollmer Associates, LLP. Project Manager responsible for wetland delineation and documentation and preparation of Wetland Delineation Report for the project site. Project also includes Section 7 Consultation with US Fish and Wildlife Service due to the potential presence of bog turtle within the project limits. Project also includes consultation with Burlington County for use of restricted farmlands within the project limits.

Newburgh Road Bridge #140-196 over Musconetcong River, Washington Township, Morris County and Mansfield Township, Warren County, NJ. Morris County Engineers/Cherry, Weber & Associates. Project Manager for bridge replacement and improvements to the approaching roadways. ASGECI performed a detailed wetland delineation, environmental review of project alternatives and preparation of the Ecology and Permits sections of the *National Environmental Policy Act* (NEPA) Categorical Exclusion Documentation (CED) with input from the Cherry, Weber and Associates team. A Phase I Bog Turtle Habitat Survey was performed. Prepared successful permit applications for NJDEP Freshwater Wetlands General Permits No. 10A, for minor roadway crossings and a Flood Hazard Area Individual Permit.

GSP Interchange Improvements/Interchange 141 to 157; Multiple Cities, Townships, and Boroughs; Bergen, Essex, Passaic, and Union Counties, NJ New Jersey Turnpike Authority/Greenman Pedersen, Inc. Project Manager responsible for field investigations, wetland/open water delineations, evaluation of endangered and threatened species habitat, and environmental permitting for the project. Prepared applications for NJDEP Freshwater Wetlands General Permits and Flood Hazard Area Permits to authorize for Interchange Improvements. Obtained verification from NJDEP regarding the applicability of NJ EO 215. It was determined that several of the projects were exempt from

Training (cont.)

- ⇒ NJ Turnpike Authority Traffic Safety Training Class, 2012;
- ⇒ MTA Metro-North Railroad Roadway Worker Procedures for Conductor Flags/Contract Employees, 2004

preparation of an EA or EIS under Executive Order 215. Prepared an Environmental Assessment under EO 215 for Interchange 154-155P. Also responsible for coordination of environmental project team performance of Phase 1 Site Assessments for Hazardous Waste, Air Quality and Noise Analyses, Cultural Resources Surveys and public outreach under EO 172. A Phase I Bog Turtle Habitat Survey and report was prepared for Interchange 141.

Reconstruction of County Route 530, Manchester Township, Ocean County, NJ Ocean County Engineering Department. Project Manager responsible for the performance of a wetland delineation, rare plant species habitat assessments, and preparation of NJ Pinelands Commission Public Development Approval (PDA) for which habitat assessments were performed to determine the presence/absence of threatened and/or endangered plant species within the project area. Habitat assessment and a plant survey for the pinelands listed endangered plant, sickle-leaved golden aster was performed and concluded that sickle-leaved golden aster was not located within proposed project activity areas. Pinelands PDA received in March 2010.

Statewide Park and Ride Studies - South, Washington Township, Gloucester County, NJ as part of an On-call services agreement. New Jersey Department of Transportation/Orth-Rodgers & Associates, Inc. Project Manager responsible for the performance of preliminary environmental assessments of proposed park and ride sites including field investigations for the presence of wetlands, identification of floodplains, and the identification of the potential for the presence of threatened and/or endangered species. The assessments also included evaluation of site feasibility with regard to compliance with NJDEP wetlands permitting requirements and potential impacts on endangered and threatened species habitat.

Long Valley Bypass, Washington Township, Morris County, NJ. Morris County Engineering Department/ Orth-Rodgers & Associates. Project Manager responsible for the preparation of an Environmental Feasibility Study for bypass construction including construction of roadway and bridge over South Branch Raritan River. The study included impact analysis on wetlands, endangered and threatened species, vegetation and wildlife, floodplains, surface water resources, aquifer recharge areas, and identification of permitting requirements.

Proposed Department of Public Works/Police Site, Delaware Township, Hunterdon County, NJ. Delaware Township Committee. Project Manager responsible for performing a preliminary environmental screening of the study area including a preliminary wetland investigation of the property. Resources identified in the screening include wetlands, wetland transition areas, streams, floodplains, riparian zones, and endangered and threatened species habitat. Prepared a letter report of our findings including an assessment of environmental permitting feasibility for the proposed modular police station and storage facilities.

Pine Brook Greenway Study, Borough of Tinton Falls, Monmouth County, NJ. Borough of Tinton Falls/Viridian Incorporated. The project involved a screening study of a portion of the Pine Brook stream corridor in Tinton Falls Borough. Project Manager responsible for evaluation of the presence of wetlands, open waters, and endangered and threatened (E&T) species within the Pine Brook stream corridor. As part of the study, a report was prepared that discussed vegetation, wetlands, and open waters observed along the stream corridor. No E&T species were identified in the areas investigated along the stream corridor.

Municipal Area Residential Bus Shuttle Park & Ride; South Brunswick Township, Middlesex County, NJ. New Jersey Transit/South Brunswick. Project Manager responsible for performance of field investigations to identify the extent of wetlands and wetland transition areas and to evaluate the project area for Indiana bat habitat. The project included preparation of sections of a Categorical Exclusion Document in accordance with NEPA requirements.



Years of Experience: 16

Education

- ⇒ B.S. Marine Science, Coastal Carolina University, Conway, South Carolina, 2000

Languages Spoken

- ⇒ English (Native Speaker)
- ⇒ Spanish (Language Proficiency Index: Advanced-High)

Certifications

- ⇒ Professional Wetland Scientist #2158 (2011)
- ⇒ Rutgers University Certified Wetland Delineator (2002)

Professional Memberships

- ⇒ Society of Wetland Scientists
- ⇒ National Peace Corps Association

Training

- ⇒ Society of American Military Engineers, Pathways to Coastal Resiliency in the Face of Climate Change, Feb. 2018;
- ⇒ PADI Dry Suit Diver, Sep. 2017;
- ⇒ American Red Cross CPR and First Aid, Sep. 2013,
- ⇒ New Jersey Turnpike Authority Traffic Safety Training, May 2012,
- ⇒ Rutgers University Division of Continuous Education and Outreach, *Improving NEPA: An FTA Update*, Webinar, June 2011;
- ⇒ American Water Resources Association, Delaware Chapter: Wetland Delineation Field Training for the Atlantic and Gulf Coastal Plain Regional Supplement (2011);
- ⇒ Amtrak Railroad Safety Training (2010);
- ⇒ U.S. Peace Corps & U.S. Agency for International Development (USAID): Best Management Practices in Biodiversity Monitoring (2009);
- ⇒ Mexican National Commission for Natural Protected Areas: VII National Congress of Natural Protected Areas of Mexico (2009);
- ⇒ Autonomous University of San Luis Potosí, Mexico: Agenda 21 & Social Participation for Sustainable Development (2008);

KEY QUALIFICATIONS

Ms. Quackenbush is experienced in performing environmental and ecological investigations. As an Environmental Scientist at ASGECI she performs wetland delineations, vegetation and wildlife surveys, including endangered and threatened species surveys, and performs essential fish habitat analyses. She prepares wetland, flood hazard area and other environmental permit applications in accordance with the NJ Freshwater Wetlands Protection Act and the NJ Flood Hazard Area Control Act. She also prepares US Army Corps of Engineers Section 404/10 wetlands Permit applications. She has identified sites for and designed wetland mitigation plans. She is also experienced in NJDEP Coastal permitting including CAFRA, Waterfront Development and Coastal Wetlands Permits. She has also prepared Categorical Exclusion Documentation in accordance with FHWA National Environmental Policy Act (NEPA) requirements and Environmental Impact Statements in accordance with NJ Executive Order 215.

RELEVANT EXPERIENCE

NJ Department of Transportation/Michael Baker Jr., Inc., Route 52 Causeway Bridge Replacement, Somers Point, Atlantic County to Ocean City, Cape May County, NJ. Environmental Scientist responsible for wetland delineation, environmental screening, coastal heron rookery assessment, Essential Fish Habitat analysis, and preparation/submission of applications to NJDEP for CAFRA, Waterfront Development and Coastal Wetlands Permits as well as a USACOE Individual Section 404/10 Permit Application. Ms. Quackenbush worked with the project engineer to develop a project that minimized impacts to environmentally sensitive resources for the replacement of the existing 3 mile long Route 52 Causeway. Coordinated with NJDEP, USACOE, and USFWS.

New Jersey Department of Transportation/Arora and Associates PC. Route 70 over Manasquan River Bridge Replacement. Brick Township & Borough of Point Pleasant, Ocean County, and Wall Township & Borough of Brielle, Monmouth County, NJ. Environmental scientist responsible assisting with the preparation of applications for NJDEP Individual Freshwater Wetlands/Open Water Fill Permit and Transition Area Waiver, CAFRA, Waterfront Development, and Coastal Wetlands Permits as well as USACOE Nationwide Permit #23.

New Jersey Department of Transportation/Arora and Associates, PC. Route 54/Route 322 to Cape May Point Bridge, Borough of Folsom, Atlantic County, New Jersey. Assisted in a detailed wetland delineation of the project area utilizing the methodology outlined in the *Federal Manual for Identifying and Delineating Jurisdictional Wetlands* (1989), as required by the NJDEP under the New Jersey Freshwater Wetlands Protection Act (NJFWPA) regulations.

Training, cont'd

- ⇒ U.S. Peace Corps, Mexican Secretariat of the Environment and Natural Resources, Mexican National Forest Commission, Mexican National Commission for Natural Protected Areas, & State Government of Jalisco, Mexico: *Best Management Practices in Natural Protected Areas* (2008);
- ⇒ Rutgers University, Cook College, College of Continuing Professional Education Seminars:
 - Wetland Construction Design (2005),
 - Endangered and Threatened Species of Northern New Jersey (2005),
 - Coastal Project Review Workshop (2004),
 - Coastal Vegetation Identification (2004),
 - GIS for Environmental Management (2002),
 - NJDEP Stream Encroachment Permitting Seminar (2002);
- ⇒ Rutgers University, Cook College, College of Continuing Professional Education Seminars Wetland Delineation Series:
 - Methodology for Delineating Wetlands (2002)
 - Vegetation Identification for Wetland Delineation (2002)
 - Hydric Soils (2002)
- ⇒ Special Pinelands Plants Course, Pinelands Preservation Alliance (2004);
- ⇒ NJ Transit Railroad Safety Training (2004, 2012),
- ⇒ Beginning Microstation Training, Michael Baker Jr., Inc., (2002)

Instructor

- ⇒ Autonomous University of San Luis Potosí, Mexico, Department of Environmental Toxicology *Wetlands and Conservation of the Ciénaga de Cabezas* (2008)
- ⇒ VII National Congress of National Protected Areas of Mexico: *Social Participation in the Conservation and Sustainable Development of the Ciénaga de Cabezas* (Co-Instructor: presentation and field visit, 2009)
- ⇒ Mexican Secretariat of the Environment and Natural Resources, San Luis Potosí, Mexico: *RAMSAR World Wetlands Day Workshop* (Co-Instructor, 2008-2009)

New Jersey Department of Transportation/Jacobs Civil, Inc. State Route 36 Highlands Bridge Replacement Project, Atlantic Highlands and Sea Bright Boroughs, Monmouth County, NJ. Environmental scientist responsible for assisting with preparation and acquisition of permits for the replacement of the Route 36 bridge over the Shrewsbury River. NJDEP permits required include CAFRA, Waterfront Development, Mapped Coastal Wetlands and Freshwater Wetlands. A US Army Corps of Engineers Nationwide 404/Section 10 Permit is also required. An Essential Fish Habitat Assessment was conducted for this project pursuant to US Coast Guard and National Marine Fisheries Service requirements.

NJ Department of Transportation/Taylor Wiseman and Taylor. Route 9 and Tilton Road. City of Northfield, Atlantic County, NJ. Environmental Scientist responsible for the preparation of a Coastal Area Facilities Review Act (CAFRA) permit application for submission to the New Jersey Department of Environmental Protection (NJDEP), as well as an evaluation of the project's compliance with the NJDEP Stormwater Management Rules.

NJ Department of Transportation/Arora and Associates, P.C., Route 47 and Route 83 Bridge Replacement and Intersection Improvement, Dennis Township, Cape May County, NJ. Project Manager responsible for wetland delineation and preparation/submission of applications to NJDEP for a Coastal Wetlands, CAFRA, and Waterfront Development Permit, Freshwater Wetlands Transition Area Waiver, as well as a USACOE Nationwide Permit Application on an accelerated NJDOT schedule, under direct review by the NJDOT Commissioner's Office. Ms. Quackenbush provided assistance with the design process for the wetland mitigation, and coordination with NJDEP, USACOE, and USFWS.

New Jersey Turnpike Authority/Boswell Engineering. Widening of the Garden State Parkway at Interchange 98. Wall Township, Monmouth County, NJ. Project Manager responsible for detailed onsite wetland delineation and preparation/submittal of successful applications for NJDEP Freshwater Wetlands General Permit #11 and CAFRA authorization.

New Jersey Transit. NJ Transit Shark River Drawbridge Replacement, Belmar Borough & Avon-by-the Sea Borough, Monmouth County, NJ. Project Manager responsible for identification of anadromous fish spawning runs within the project area. Performed agency consultation with NJDEP, NMFS, USCG, and USACE to identify permit requirements for the proposed action. Responsible for coordination with NJDEP, and preparation of application for NJDEP CAFRA and Waterfront Development Permit. Services were performed under Open End Contract for Environmental Services.

New Jersey Department of Transportation/Parsons Brinckerhoff Quade & Douglas Inc. Delilah Road Bridge Replacement. Cities of Absecon & Pleasantville, Atlantic County, NJ. Environmental Scientist responsible for the identification of a coastal wetland mitigation site, as well as participating in the conceptual and final design of the selected mitigation site. Wetland mitigation was a condition of both the NJDEP Coastal permits and USACOE Section 404 Permit.

New Jersey Department of Transportation/Taylor Wiseman & Taylor. Chapel Avenue Bridge (CR 626) over New Jersey Transit Atlantic City Line and Maple Avenue Bridge (CR 537) over New Jersey Transit Atlantic City Line. Cherry Hill and Pennsauken Townships, Camden County, New Jersey. Environmental Scientist responsible for delineating wetlands through field analysis of flora, hydrology and soils. Prepared detailed Wetland Delineation Report for inclusion in NJDEP freshwater wetland permit application. Prepared Ecology and Permits, Permits/Coordination Needed, Programmatic 4(f)-Recreational Land, Socioeconomic and Environmental Justice sections of the Categorical Exclusion Document. Compiled Categorical Exclusion Document in compliance with FHWA NEPA requirements.

Atlantic County Utilities Authority/Malcolm Pirnie, Inc. Reclaimed Water for Beneficial Reuse for Landscape Irrigation & Cooler Make Up Water, Atlantic City, Atlantic County, NJ. Environmental Scientist responsible for assistance in preparation of NJDEP Waterfront Development Permit Application, and USACE Nationwide Permit #12 for installation of pipeline beneath ----. The project will provide irrigation and cooling water using treated wastewater effluent.

New Jersey Department of Transportation/Michael Baker Jr., Inc, Route 33B -- Kozloski/Halls Mill Road Interchange Improvements, Freehold Township, Monmouth County, NJ. Environmental Scientist responsible for communicating with agencies, researching and documenting ecological resources. Assisted in wetland delineations and prepared application for NJDEP Freshwater Wetlands Individual Permit. Performed hydrologic and hydraulic analysis for inclusion in NJDEP Major Stream Encroachment Permit application.



Years Of Experience: 18

Education

- ⇒ B.S. Natural Resource Management, Rutgers University, New Brunswick, New Jersey 1999
- ⇒ B.A. Communications, Rowan University, Glassboro, New Jersey, New Jersey, 1994

Presentations:

- ⇒ Environmental Assessment / Environmental Resource Inventory presentation, Association of NJ Environmental Commissions (ANJEC) 2006

Professional Affiliations

- ⇒ Recognized Qualified Bog Turtle Surveyor, New Jersey, Pennsylvania, Delaware (USFWS), New York (USFWS/HHRU), and Maryland (USFWS/MD DNR)

Training

- ⇒ Advanced Airport Wildlife Hazard Management Training, meeting training requirements FAA Title 14, CFR, Part 139 and AC No. 150/520-36A Columbia Metropolitan Airport 3/12-14/2013
- ⇒ Basic Shotgun Safety Course, The National Rifle Association of America, 3/13/13.
- ⇒ American Red Cross, Adult First Aid/CPR: 9-2012
- ⇒ USFWS Refuge Comprehensive Conservation Planning (WLD 2126), 2010;
- ⇒ NJ Boating Safety Certificate, 2010;
- ⇒ Bog Turtle Phase I Habitat Training, PennDOT Bureau of Design, April 20, 2010;
- ⇒ Threatened and Endangered Species Desk Reference Training, PennDOT Bureau of Design, March 31-April 2, 2009;
- ⇒ Metro-North Railroad Safety Training, 2005.
- ⇒ Rutgers University, Hydric Soils, 2005;
- ⇒ PADI certified scuba diver, 1994.

KEY QUALIFICATIONS

Mr. Strano has diverse experience in the environmental field as a field biologist, consultant and educator. Mr. Strano has extensive experience in characterization of aquatic habitats including performance of fish and aquatic invertebrate surveys.

Mr. Strano has experience delineating in a variety of wetland habitats including palustrine freshwater and brackish emergent wetlands, scrub/shrub and forested wetlands, and modified agricultural wetlands. Mr. Strano has prepared applications for NJDEP Letters of Interpretation, Freshwater Wetlands permits, Flood Hazard Area and Coastal permits. Mr. Strano is familiar with the flora and fauna of a wide variety of local communities in New Jersey including freshwater aquatic ecosystems, coastal communities, Pinelands and upland forest habitats. He has prepared a variety of threatened and endangered/wetland reports of findings. Mr. Strano has prepared Ecological Assessments (EA) and Environmental Resources Inventories (ERI) for multiple municipalities and one county (Essex County) within NJ. He has worked closely with environmental commissions to develop documents that properly and accurately reflect the resources and conditions of the locality.

Mr. Strano has conducted surveys and identified critical habitat for threatened and endangered species, including birds, reptiles, amphibians, mammals, invertebrates and plants throughout New Jersey and Pennsylvania. He has surveyed for wood turtle, vernal pool and bog turtle habitat. Mr. Strano is a US Fish and Wildlife Service Recognized Qualified Bog Turtle Surveyor for New Jersey, New York, Pennsylvania, Delaware and Maryland (USFWS/DNR) and has extensive experience conducting bog turtle habitat assessments and visual and trapping surveys in fens, marshes, wet meadows and other wetland habitats, and has located turtles on many sites, both new and existing. He has assisted in training state and federal employees on bog turtle habitat quality. Mr. Strano has aided various bog turtle projects including trapping to determine bog turtle presence and site management for invasive species and woody vegetation control using chemical and biological methods. He has also monitored for wood turtles and bog turtles during bridge construction projects in compliance with State and Federal permit requirements

Mr. Strano is expert in avian species ID and habitat assessment for shorebirds, passerines and raptors. Mr. Strano has surveyed for, and assessed habitat for endangered and threatened birds including piping plover, least tern, osprey, heron rookeries, grasshopper sparrow and other grassland birds, barred owl, and red-shouldered hawk.

He has performed Canada goose population surveys and designed,

Training Cont.

- ⇒ Former New Jersey Herptile Atlas contributor and Research Assistant for NJ Division of Fish and Wildlife, American Society of Ichthyologists and Herpetologists
- ⇒ Member, American Zoo and Aquarium Association's Conservation Education Course; spring, 1999;

implemented and monitored waterfowl management strategies.

Mr. Strano is proficient in identification of coastal plain aquatic, wetland and estuarine ecosystem flora and fauna; including fish and invertebrates. He has prepared habitat management plans for aquatic and terrestrial species. He has delineated wetlands and evaluated habitat in rural, industrial, preserved open space, suburban and urban settings. He has performed numerous studies of threatened and endangered species and wetlands, and prepared permit applications.

Mr. Strano has conducted onsite construction monitoring for both State and Federal threatened and endangered species on a wide variety of construction sites. He has worked closely with construction crews to ensure species protection during construction activities.

RELEVANT EXPERIENCE

Route 206 over Assiscunk Creek Bridge Replacement, Springfield and Mansfield Townships, Burlington County NJ. NJ Department of Transportation/Stantec. Scientist responsible for a detailed wetland delineation and site evaluation for a bridge replacement project on Route 206. Responsible for preparing a wetland report of findings. Consulted with USFWS regarding protections for bog turtle habitat adjacent to the site. Qualified Bog Turtle Surveyor responsible for weekly on-site construction monitoring for the duration of the project. Monitored site and reported field conditions to the client. Coordinated monitoring and oversaw demobilization of the site. October 2006; August 2008 to June 2009. Reference: Wayne Faulkner, Jr., PE, JMT (formerly with Stantec) 609-512-3900

Consulted with USFWS regarding protections for bog turtle habitat adjacent to the site. Qualified Bog Turtle Surveyor responsible for weekly onsite construction monitoring for the duration of the project. Monitored site and reported field conditions to the client. Coordinated monitoring and oversaw demobilization of the site.

NJ Department of Transportation/Taylor Wiseman and Taylor, Atsion Lake Dam Rehabilitation Project, Shamong Township, Burlington County, NJ. Environmental Scientist responsible for performance of a detailed wetland delineation of the project area on U.S. Route 206, Milepost 7.25.

Cingular Wireless/EBI Consulting, Liberty Corner Fire Company Cell Site W-1082, Bernards Township, Somerset County, NJ. Environmental Scientist responsible for performance of a wetland delineation and preparation of a letter report of findings. Responsible for the preparation of a Regulatory Line Verification Letter of Interpretation (LOI) application for submission to the New Jersey Department of Environmental Protection.

Cingular Wireless/EBI Consulting, Liberty Corner First Aid Squad Cell Tower Site W1073-A, Bernards Township, Somerset County, NJ. Environmental Scientist responsible for a detailed wetland delineation and preparation of an application to NJDEP for Wetlands Approvals including a Regulatory Line Verification Letter of Interpretation, Special Activities Transition Area Waiver for Redevelopment application. Also prepared a request for a NJDEP Stream Encroachment Jurisdictional Determination. Prepared an Environmental Assessment in accordance with Federal Communications Commission NEPA requirements.

NJ Department of Transportation, Arora and Associates, Fairfield Township Essex County, NJ. Route 46 and Hollywood Avenue Interchange Improvements. Environmental Scientist responsible for performance of a wetland delineation and preparation of applications for a Freshwater Wetlands General Permit 10B and Flood Hazard Area Verification and Flood Hazard Area Individual Permit. The permits were submitted and the application approved by NJDEP Division of Land Use Regulation.

Frankfurt Avenue Bridge over the NJ Transit Atlantic County Rail Line. NJ Department of Transportation/NJ Transit, Galloway Township, Atlantic County, NJ. Environmental Scientist responsible for a detailed delineation of onsite wetlands, written report of findings, and preparing a NJ Pinelands Commission Public Development Approval (PDA) application for the removal of the bridge. Assisted with an onsite evaluation of state and federally threatened and endangered plant habitat assessment as part of the PDA application.

NJ Turnpike Authority/Boswell Engineering, Wall Township, Monmouth County NJ. Environmental scientist responsible for the preparation of a Coastal Area Facilities Review Act (CAFRA) permit application for the Garden State Parkway Widening Mainline at Interchange 98. Responsible for assisting the Project Manager in the preparation of a New Jersey Department of Environmental Protection General Permit # 11 application for the extension of an outfall pipe as part of a lane expansion project over an approximate 2-mile section of the Parkway.

Jessica Acres L.L.C., Delaware Township, Hunterdon County, NJ. Environmental Scientist responsible for the onsite ecological evaluation of the property and the preparation of a NJ Department of Environmental Protection General Permit #6 application for the proposed construction of agricultural facilities.

NJ Department of Transportation/Earth Tech, Inc. Boroughs of East Rutherford Road and Carlstadt, NJ. Environmental Scientist responsible for preparing a US Army Corps of Engineers Jurisdictional Determination for the widening of Route 120 Paterson Plank Road. Environmental Scientist responsible for preparing a NJDEP Stream Encroachment (Flood Hazard Area) Permit and USACE Nationwide Permit #14 for the project. .

NJ Department of Transportation/Arora and Associates. Townships of North Brunswick and Franklin, City of New Brunswick, Somerset and Middlesex Counties, NJ. Environmental Scientist responsible for wetlands delineation and preparation of a NJDEP LOI Regulatory Line Verification Letter of Interpretation application for Route 27 roadway Improvements.

NJ Transit Shark River Drawbridge Replacement, Belmar Borough & Avon-by-the Sea Borough, Monmouth County, NJ. Client: NJ Transit/Malcolm Pirnie, Inc. Environmental Scientist responsible for preparation of application for NJDEP CAFRA and Waterfront Development Permit and Environmental Impact Assessment for a train bridge piling replacement in the Shark River, a tidal estuary directly connected to the Atlantic Ocean. Mr. Strano evaluated the essential fish habitat (EFH) for various marine species and reviewed anadromous fish spawning runs within the project area as part of the permitting process. In addition, Mr. Strano participated in a field evaluation that included a review of marine habitat onsite. Mr. Strano evaluated tidal mudflats, *Spartina* marshes and other fish habitats within the project area.

Years of Experience: 10.50

Education

- ⇒ P.S.M., Environmental Science, Stockton University, Galloway Twp, NJ. 2014-2016.
- ⇒ B.S. Conservation & Wildlife Management, Delaware Valley University, Doylestown, PA. 2007-2010.

Certifications updated 11-20-19

- ⇒ OSHA 40-Hour HAZWOPER, November 2017
- ⇒ OSHA 8-Hour Refresher Training, 2018
- ⇒ First Aid and CPR, American Red Cross, Aug. 2018
- ⇒ TWIC, Jan. 2018
- ⇒ NJ Licensed Pesticide Applicator, 2019-2020

Training updated 8-28-19

- ⇒ Basic applied GIS
- ⇒ Wetlands Vegetation Identification: North (Rutgers Continuing Education: Wetland Delineation Series), 2016
- ⇒ GPS, map, compass navigation
- ⇒ Bird species identification
- ⇒ Marsh vegetation identification
- ⇒ Motorboat Operator Certification Course
- ⇒ Technical writing
- ⇒ ATV certification
- ⇒ PADI Diver certification
- ⇒ JS-US007 Level I Antiterrorism Awareness Training, Joint Chiefs of Staff, December 2016
- ⇒ HAZWOPER Defensive Driving & Fire Safety Training, March 2017
- ⇒ The Rutgers University Wetland Delineation Certificate Series, The New Jersey Agricultural Experiment Station Office of Continuing Professional Education, Fall 2017
- ⇒ NJDOT Permits/NJDEP Regulations: Flood Hazard Area Control Permits – Module 1: What is Regulated? ACECNJ & NJDOT, September 2017

LIZ DANCER

Environmental Scientist

KEY QUALIFICATIONS

Ms. Dancer has extensive experience in performance of ecological surveys in New Jersey, New York, Pennsylvania, and other states. She is experienced in wetland delineation, endangered and threatened species surveys, environmental impact analysis, preparation of state NJDEP and federal USACE environmental permit applications, and wetland mitigation site construction and post construction monitoring. Ms. Dancer has performed wetland delineations utilizing the routine methodology outlined in the *Federal Manual for Identifying and Delineating Jurisdictional Wetlands (1989)*, as required by the NJDEP, as well as the *1987 USACE Manual for Delineating Jurisdictional Wetlands*, as required by the USACE. Ms. Dancer has prepared and submitted applications to NJDEP for Letters of Interpretation, Freshwater Wetlands General Permits, Coastal Wetlands/Waterfront Development Individual Permits, Water Quality Certifications, and Coastal Zone Consistency Determinations. She has also prepared and submitted Per-construction Notifications to USACE for Nationwide Permits as well as applications for Jurisdictional Determinations. Ms. Dancer has prepared environmental impact statements (EIS's) in accordance with municipal regulations.

RELEVANT EXPERIENCE

(#4524) Former Airco Research Facility Remediation/676 Howard Avenue, Somerset Township, Somerset County, NJ. Greenstar Solutions, LLC. Ms. Dancer assisted with a wetland investigation for the entire site, which is proposed for groundwater remediation activities, including the installation of extraction wells, the construction of a treatment building, and expansion of an existing onsite infiltration gallery.

(#4421) Dimension Energy – Deptford CSG 2 LLC (Shisler Site), Deptford Township, Gloucester County, NJ. Dimension Energy, LLC. Ms. Dancer prepared the draft NJDEP Letter of Interpretation Regulatory Line Verification application and municipal environmental impact statement for the site, a proposed solar facility.

(#4454) Dimension Energy- Montgomery CSG LLC (Brennan Site), Montgomery Township, Somerset County, NJ. Dimension Energy, LLC. Ms. Dancer assisted with performing the wetland delineation on the site, a proposed solar facility. She also prepared the municipal environmental impact statement and NJDEP Letter of Interpretation Regulatory Line Verification application for the site.

(#4348) Staten Island North Shore Bus Rapid Transit, Borough of Staten Island, Richmond County, NY. NYC Transit Authority, VHB/STV North Shore Joint Venture. Assisted with wetland delineation, wetland delineation report, and USACE Jurisdictional Determination application in support of a proposed bus-lane development.

(#4084) ExxonMobil Bayway Refinery Complex, City of Linden, Union County, NJ. *Kleinfelder.* Ms. Dancer assisted with wetland delineations on a former landfill site within the Bayway Refinery Complex. Ms. Dancer also prepared US Army Corps of Engineers Jurisdictional Determination requests and NJDEP Letter of Interpretation Regulatory Line Verification applications for two parcels on the site.

(#3785) Monmouth County Reconstruction of Bridge S-32 Rumson Road (CR 520) over Shrewsbury River, Boroughs of Rumson and Sea Bright, Monmouth County, NJ. *Monmouth County Division of Engineering/Hardesty & Hanover, LLP.* Ms. Dancer prepared USACE nationwide permit pre-construction notifications (#7 & #15), a CAFRA/Waterfront Development Individual Permit application, and Freshwater Wetlands general permits (#10B, #11, and #17) in support of the proposed bridge replacement project. Ms. Dancer also prepared the Essential Fish Habitat (EFH) materials and draft NMFS ESA letter for the project.

(#4364) Solar Project- Naval Weapons Station Earle, Tinton Falls Borough, Monmouth County, NJ. *U.S. Navy/The Conti Group.* Ms. Dancer assisted with a wetland delineation of the project area in support of obtaining a Letter of Interpretation- Regulatory Line Verification (LOI-RLV) for the property.

(#4347) School Heights Village, Londonderry Township, Dauphin County, PA. *Core5.* Ms. Dancer assisted with a site-wide wetland and drainage feature delineation.

(#4315) Borne Chemical Company Site, City of Elizabeth, Union County, NJ. *Golder Associates, Inc.* Ms. Dancer assisted with the wetland delineation and riparian zone evaluation for the site, which is proposed for remediation, and prepared the delineation report. Ms. Dancer participated in the subsequent reevaluation of onsite wetlands in August 2019 using USACE methodologies and prepared an updated letter of findings.

(4296) Reconstruction of Bridge S-26 on County Route 33 over Town Neck Creek, Borough of Little Silver, Monmouth County, NJ. *Monmouth County/KS Engineers, P.C.* ASGECI provided wetland delineation and permitting services to the proposed replacement of the S-26 Bridge over Town Neck Creek. Ms. Dancer assisted with the wetland delineation and prepared applications for a NJDEP Freshwater Wetlands General Permit 10A (very minor road crossing), a Coastal Wetlands/Waterfront Development Individual Permit, and a US Army Corps of Engineers Nationwide Permit #3 Pre-construction Notification (for maintenance).

(4282) Former Amcor Tube Draw & Vial & Ampule Site, Millville City, Cumberland County, NJ. *Golder Associates, Inc.* Ms. Dancer prepared a draft NJDEP LOI Regulatory Line Verification application for the site, which is proposed for remediation.

(#4149) Avalon Boulevard Bridge Repairs, Middle Township, Cape May County, NJ. *Cape May County Department of Public Works/GPI.* Ms. Dancer assisted with the wetland delineation and T&E habitat assessment in support of the proposed repairs to the Avalon Boulevard Bridge. Ms. Dancer also prepared existing conditions memo to be used in preparing permit applications, including NJDEP Waterfront Development Permit and USACE Nationwide Permit Section 404/10 #3 Preconstruction Notification.

(#4129) Cape May County Landis Avenue (CR619), Sea Isle City, Cape May County, NJ. *Cape May County/GPI.* Ms. Dancer assisted with the wetland delineation and Threatened and Endangered Species habitat assessments of CR619 and outfall work areas proposed for improvements. Ms. Dancer also prepared existing conditions memos, generated USFWS IPaC reports, and assisted with preparing permit applications for the project, including NJDEP Freshwater Wetlands General Permits #1 & #11; NJDEP Waterfront Development Permit, 401 Water Quality Certification & Coastal Zone Consistency Determination Application; and USACE NWP #7 Preconstruction Notification.



(#4075) Wetlands Consulting Services at Merck Facility, Readington Township, Hunterdon County, NJ. *Merck/Environmental Resource Management, Inc.* Ms. Dancer participated in a site-wide wetland delineation and the subsequent wetland line verification with NJDEP.

(#4065) Fort Dix Photovoltaic Carport, Springfield Township and Wrightstown Borough, Burlington County, NJ. *New Jersey Department of Military and Veterans Affairs/PARS Environmental.* Ms. Dancer assisted with the onsite wetland delineation, prepared Line Verification LOI application materials, and prepared the Pinelands Development Application in support of a proposed photovoltaic carport facility within the Fort Dix facility.

(#4038) GSA Sea Girt NGTC INRMP Services/NJARNG, Sea Girt Borough, Monmouth County, NJ. *GSA/US Property & Fiscal Office NJ/New Jersey Army National Guard (NJARNG).* Ms. Dancer prepared applications for NJDEP Freshwater Wetlands General Permits (GPs) #16 & #17, CAFRA GP #24, CAFRA Individual Permit Modification, and USACE Nationwide Permits #27 & #42 in support of activities proposed under the Freshwater Wetlands and Coastal Habitat Enhancement Plan prepared by ASGECI for the site.

(#3888) Spring Lake/330 Second Street, Borough of Spring Lake, Monmouth County, NJ. *Dr. Patrick O'Connor, Jr.* Ms. Dancer assisted with the preparation of transition area waiver application for a proposed single-family home and driveway. An NJDEP Letter of Interpretation was issued for the site and it was determined that the proposed development would impact onsite wetland transition area. As the lot size was too small to accommodate wetlands transition area averaging, a Freshwater Wetlands Transition Area Waiver (TAW) using the scientific documentation method in accordance with N.J.A.C. 7:7A-6.1(d) was proposed. This proposal included enhancing the portion of transition area to remain undisturbed by the project.

(#3796) Newark Bay-Hudson County Extension, Jersey City, Hudson County, NJ. (BR). *NJTA/GPI.* Ms. Dancer assisted with the wetland delineation for the for the proposed Newark Bay-Hudson County Extension bridge deck reconstruction and a portion of the existing Interchange 14C toll plaza.

(#1765A) Azzolina Property, Middletown Township, Monmouth County, NJ. *Food Circus Super Markets, Inc.* An LOI-Regulatory Line Verification was previously issued for the site and the property owner had relied on the intermediate resource value classification of onsite wetlands and proceeded forward with the understanding that there was a developable section of land available to construct a viable project in accordance with applicable NJDEP regulations. A new LOI was requested to verify the jurisdictional limits of freshwater wetlands and resource value classification. Ms. Dancer prepared the LOI extension application and accompanying materials.



SECTION #10

Request for Letter of Interpretation, Regulatory Line Verification
for a Portion of Trenton-Mercer Airport
Terminal Replacement Study Area
Block 373, Portions of Lots 5, 6, 7, and 45
and Block 423, Portion of Lot 135
Ewing Township, Mercer County, New Jersey
AGE Project #4362

LOI BOUNDARY & WETLANDS SURVEY,

Plan Entitled:

“LOI BOUNDARY & WETLANDS SURVEY”

Prepared for

Trenton-Mercer Airport
Situating In
Ewing Township, Mercer County, New Jersey

Consisting of Sheets:

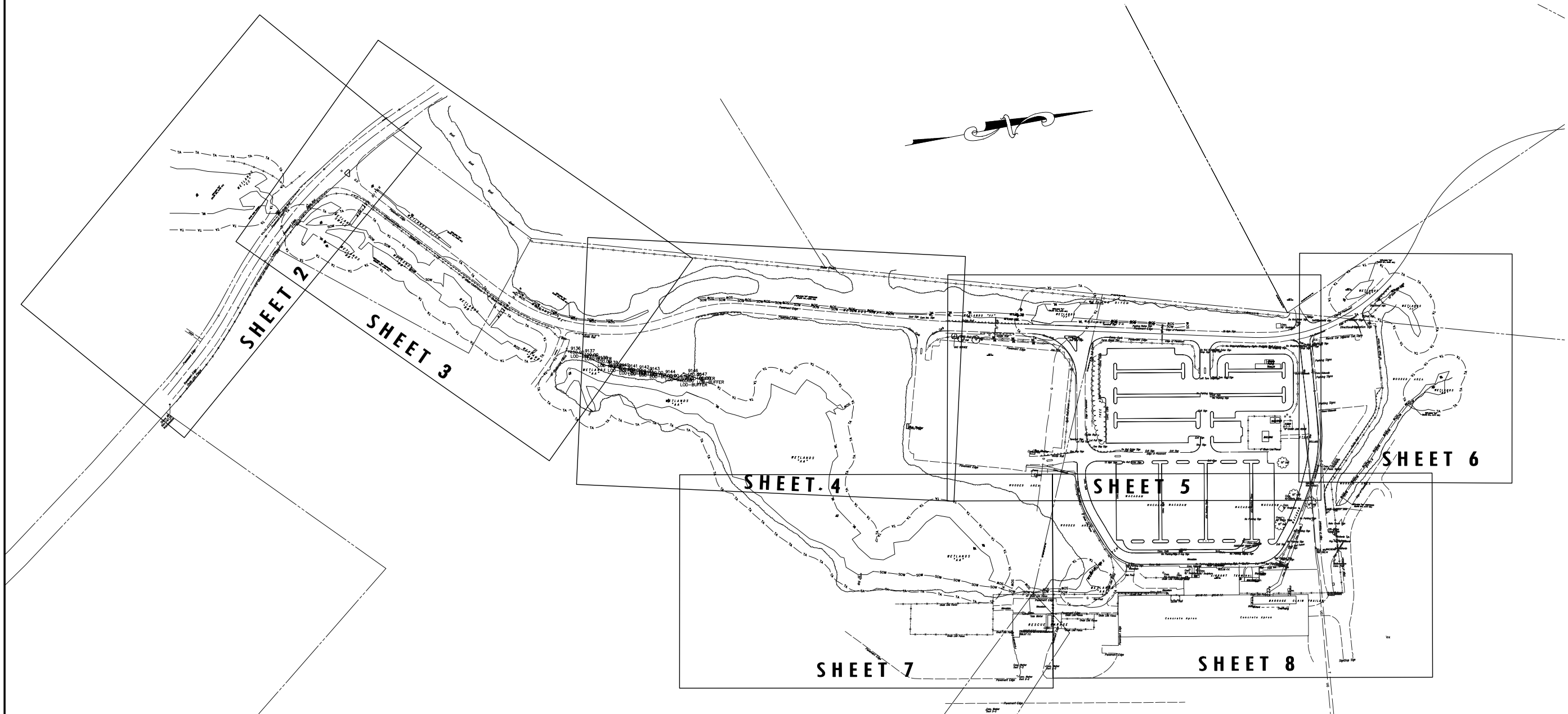
Sheets 1 through 9

Dated:

February 25, 2020 (no revisions)

Prepared by:

Christopher A Melick, P.L.S.
Van Cleef Engineering Associates
4 AAA Drive, Suite 103
Hamilton, NJ 08691



SURVEY NOTES:

1. THIS PLAN IS NOT VALID UNLESS EMBOSSED WITH THE SEAL OF THE UNDERSIGNED PROFESSIONAL(S).
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8. WETLAND AND STATE OPEN WATER LINES SHOWN HEREON WERE FIELD DELINEATED BY AMY S. GREENE ENVIRONMENTAL CONSULTANTS ON NOVEMBER 27 AND 29, 2018 AND DECEMBER 5, 10 AND 11, 2018 AND FIELD LOCATED BY VAN CLEEF ENGINEERING ASSOCIATES ON FEB. 6, 2019 AND MARCH 3, 2019.

LOT AREA

BLOCK 423 LOT 135	77.00 ACRES
BLOCK 373 LOT 45	6.02 ACRES
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BLOCK 373 LOT 6	12.60 ACRES
BLOCK 373 LOT 7	104.60 ACRES
BLOCK 373 LOT 9	187.0 ACRES
BLOCK 373 LOT 10	217.70 ACRES
TOTAL AREA OF LOTS	529.92 ACRES
TOTAL AREA OF TRENTON MERCER AIRPORT	1,286.4 ACRES

LOI AREA STUDY ACREAGE

LOI AREA "AA"	11,718 ACRES
LOI AREA "BB"	2,994 ACRES
LOI AREA "CC"	1,617 ACRES
LOI AREA "DD," "EE" & "FF"	2,085 ACRES
LOI AREA "GG"	0.238 ACRES
LOI AREA "JJ" & "KK"	3,579 ACRES
TOTAL AREA OF LOI	22,221 ACRES

REFERENCE PLANS:

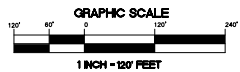
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REFERENCE DATUM:

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—	STORM SEWER
—	FLARED END SECTION
—	DRAINAGE INLET
—	DRAINAGE MANHOLE
—	HEADWALL
—	SANITARY SEWER MANHOLE
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DATE:	FEB. 25, 2020
SCALE:	1"=120'
DESIGNED BY:	—
DRAWN BY:	R.K.Y./R.R.F.
CHECKED BY:	C.A.M.
JOBS NO.	1803EWG
DATE:	2/25/20
BY:	Christopher A. Melick
CHRISTOPHER A. MELICK	NEW JERSEY PROFESSIONAL LAND SURVEYOR LICENSE NO. 24050386000



Van Cleef
ENGINEERING ASSOCIATES

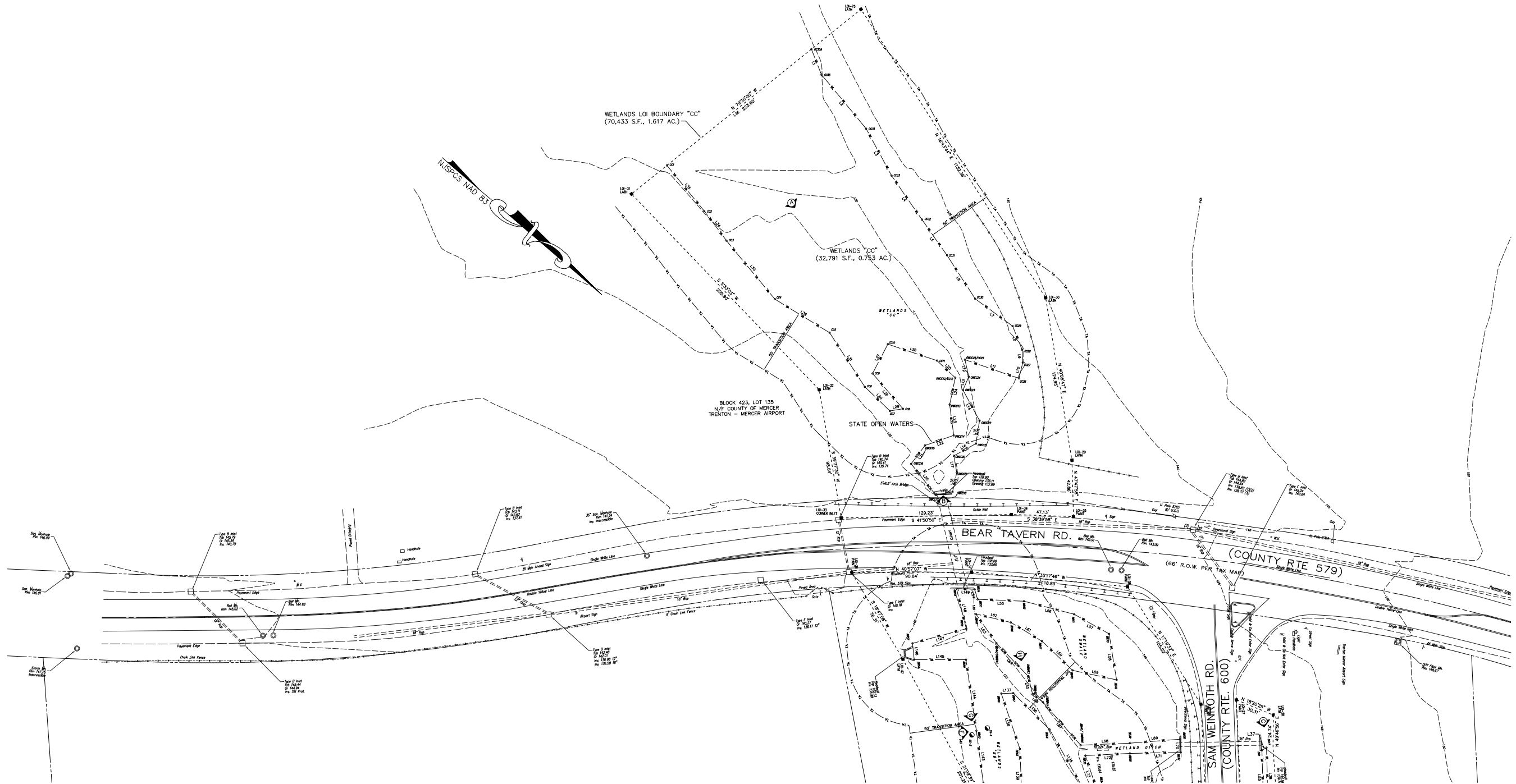
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NJ LLC CERT. NO. 34043812200

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OVERALL PLAN LOI BOUNDARY & WETLANDS SURVEY
PREPARED FOR
TRENTON - MERCER AIRPORT
SITUATE IN
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8



LOT AREA

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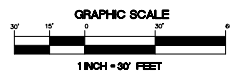
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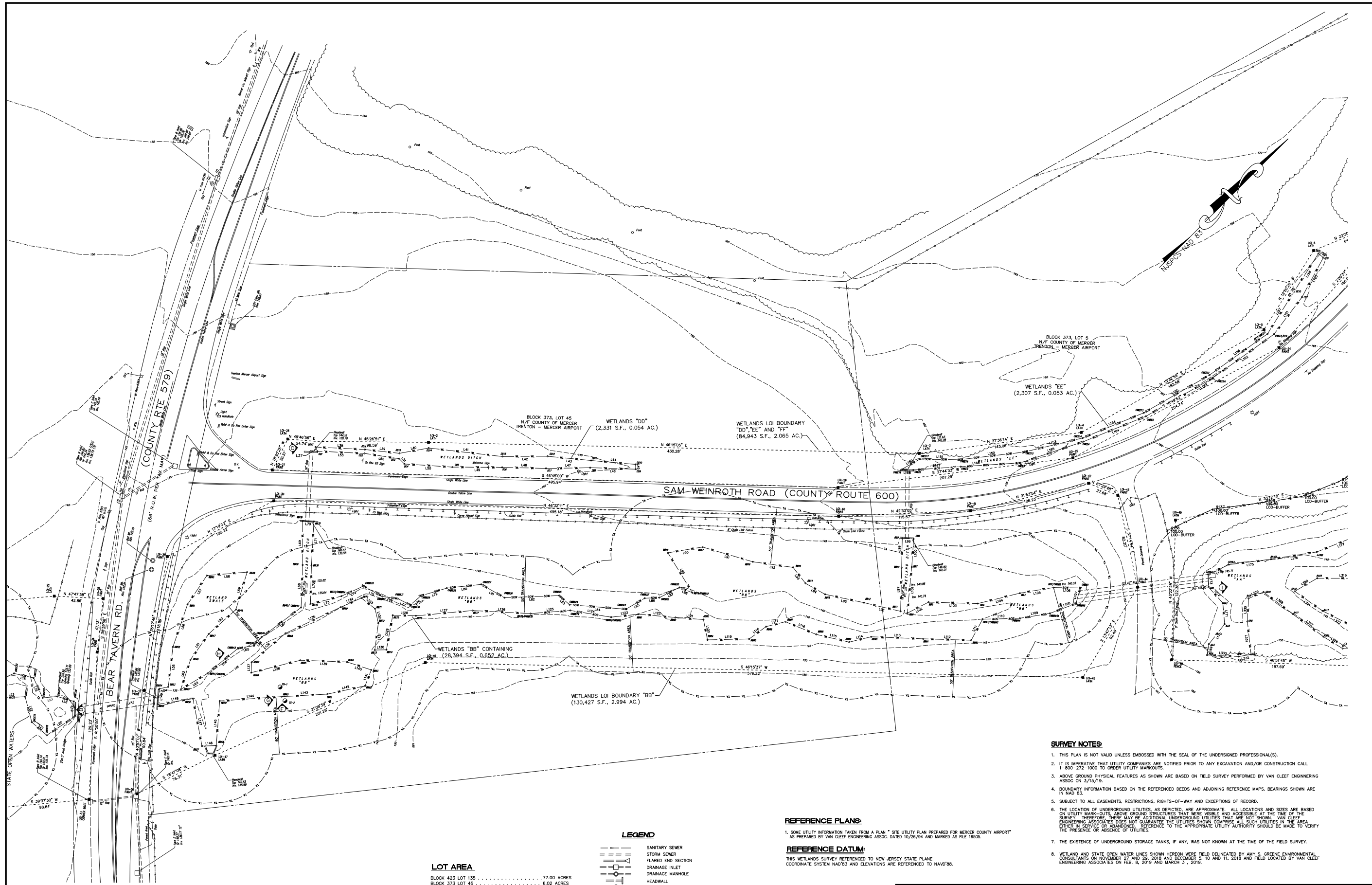
		DATE:	FEB. 25, 2020
		SCALE:	1"=30'
		DESIGNED BY:	
		DRAWN BY:	R.K.Y./R.R.F.
		CHECKED BY:	C.A.M.
REVISIONS	AUTH.	DATE	JOB NO. 1803EWG
<div>By: Christopher A. Melick CHRISTOPHER A. MELICK NEW JERSEY PROFESSIONAL LAND SURVEYOR LICENSE NO. 246033586000</div>			
2/25/20			

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4 AAA DRIVE, SUITE 101, HAMILTON, NJ 08611
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NJ LLC CERT. No. 240A2813200

LOI BOUNDARY & WETLANDS SURVEY
PREPARED FOR
TRENTON - MERCER AIRPORT
SITUATE IN
EWING TOWNSHIP, MERCER COUNTY, NEW JERSEY



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LEGEND

- SANITARY SEWER
- STORM SEWER
- FLARED END SECTION
- DRAINAGE WALET
- DRAINAGE MANHOLE
- HEADWALL
- SANITARY SEWER MANHOLE
- FIRE HYDRANT
- SIGN
- UTILITY POLE
- VALVE
- WATER MAIN
- GAS MAIN
- OVER HEAD WIRES
- DENOTES LOT LINE
- STATE OPEN WATER FLAG
- WETLAND FLAG
- WETLAND LINE
- STATE OPEN WATER LINE
- WETLAND TRANSITION AREA LINE
- WETLAND LOT BOUNDARY & MARKER
- WETLAND PHOTO LOCATION AND DIRECTION

LOT AREA

BLOCK 423 LOT 135	77.00 ACRES
BLOCK 373 LOT 45	6.02 ACRES
BLOCK 373 LOT 5	115.00 ACRES
BLOCK 373 LOT 6	12.60 ACRES
BLOCK 373 LOT 7	104.60 ACRES
BLOCK 373 LOT 9	187.0 ACRES
BLOCK 373 LOT 10	27.70 ACRES
TOTAL AREA OF LOTS	529.92 ACRES
TOTAL AREA OF TRENTON MERCER AIRPORT	1,296± ACRES

LOI AREA STUDY ACREAGE

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LOI AREA "BB"	2,994 ACRES
LOI AREA "CC"	1,617 ACRES
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LOI AREA "GG"	0.238 ACRES
LOI AREA "JJ" & "KK"	3,579 ACRES
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DATE:	FEB. 25, 2020
SCALE:	1"=30'
DESIGNED BY:	
DRAWN BY:	R.K.Y./R.R.F.
CHECKED BY:	C.A.M.
REVISIONS	AUTH. DATE
JOB NO.	1803EWG
BY:	Christopher A. Melick
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CHRISTOPHER A. MELICK	NEW JERSEY PROFESSIONAL LAND SURVEYOR LICENSE NO. 24603386000

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LOI BOUNDARY & WETLANDS SURVEY
PREPARED FOR
TRENTON - MERCER AIRPORT
SITUATE IN
EWING TOWNSHIP, MERCER COUNTY, NEW JERSEY

8

NJSPCS NAD 83

NJSPCS NAD 83

SAM WEINROTH ROAD (COUNTY ROUTE 600)

WETLANDS LOI BOUNDARY
"DD", "EE" AND "FF"
(84,943 S.F., 2.085 AC.)

WETLANDS "FF" CONTAINING
(16,361 S.F., 0.376 AC.)

WETLANDS LOI BOUNDARY "AA"
(510,452 S.F., 11.718 AC.)

WETLANDS "AA"
(200,341 S.F., 4.599 AC.)

BLOCK 373, LOT 5
NJ COUNTY OF MERCER
TRENTON - MERCER AIRPORT

LEGEND

- SANITARY SEWER
- STORM SEWER
- FLARED END SECTION
- DRAINAGE INLET
- DRAINAGE MANHOLE
- HEADWALL
- SANITARY SEWER MANHOLE
- FIRE HYDRANT
- SIGN
- UTILITY POLE
- VALVE
- WATER MAIN
- GAS MAIN
- OVER HEAD WIRES
- WETLAND LOT LINE
- STATE OPEN WATER FLAG
- WETLAND LINE
- STATE OPEN WATER LINE
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LOT AREA

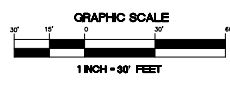
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LOI BOUNDARY & WETLANDS SURVEY
PREPARED FOR
TRENTON - MERCER AIRPORT
SITUATE IN
EWING TOWNSHIP, MERCER COUNTY, NEW JERSEY

4
8



LOT AREA

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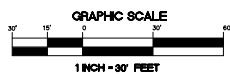
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- BOUNDARY INFORMATION BASED ON THE REFERENCED DEEDS AND ADJOINING REFERENCE MAPS. BEARINGS SHOWN ARE IN NAD 83.
- SUBJECT TO ALL EASEMENTS, RESTRICTIONS, RIGHTS-OF-WAY AND EXCEPTIONS OF RECORD.
- THE LOCATION OF UNDERGROUND UTILITIES, AS DEPICTED, ARE APPROXIMATE. ALL LOCATIONS AND SIZES ARE BASED ON UTILITY MARK-OUTS. ABOVE GROUND STRUCTURES THAT WERE VISIBLE AND ACCESSIBLE AT THE TIME OF THE SURVEY. THEREFORE, THERE MAY BE ADDITIONAL UNDERGROUND UTILITIES THAT ARE NOT SHOWN. VAN CLEEF ENGINEERING ASSOCIATES DOES NOT GUARANTEE THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA EITHER IN SERVICE OR ABANDONED. REFERENCE TO THE APPROPRIATE UTILITY AUTHORITY SHOULD BE MADE TO VERIFY THE PRESENCE OR ABSENCE OF UTILITIES.
- THE EXISTENCE OF UNDERGROUND STORAGE TANKS, IF ANY, WAS NOT KNOWN AT THE TIME OF THE FIELD SURVEY.
- WETLAND AND STATE OPEN WATER LINES SHOWN HEREON WERE FIELD DELINEATED BY AMY S. GREENE ENVIRONMENTAL CONSULTANTS ON NOVEMBER 27 AND 28, 2019 AND DECEMBER 5, 10 AND 11, 2019 AND FIELD LOCATED BY VAN CLEEF ENGINEERING ASSOCIATES ON FEB. 8, 2019 AND MARCH 3, 2019.

LEGEND

—	SANITARY SEWER
—	STORM SEWER
—	FLARED END SECTION
—	DRAINAGE INLET
—	DRAINAGE MANHOLE
—	HEADWALL
—	SANITARY SEWER MANHOLE
—	FIRE HYDRANT
—	SIGN
—	UTILITY POLE
—	VALVE
—	WATER MAIN
—	GAS MAIN
—	OVER HEAD WIRES
—	DENOTES LOT LINE
—	STATE OPEN WATER FLAG
—	WETLAND FLAG
—	WETLAND LINE
—	STATE OPEN WATER LINE
—	WETLAND TRANSITION AREA LINE
—	WETLAND LOI BOUNDARY & MARKER
—	WETLAND PHOTO LOCATION AND DIRECTION



		DATE:	FEB. 25, 2020
		SCALE:	1"=30'
		DESIGNED BY:	
		DRAWN BY:	R.K.Y./R.R.F.
		CHECKED BY:	C.A.M.
REVISIONS	AUTH.	DATE	JOB NO. 1803EWG
<div>BY: <i>Christopher A. Melick</i> 2/25/20</div> <div>CHRISTOPHER A. MELICK NEW JERSEY PROFESSIONAL LAND SURVEYOR LICENSE NO. 246503586000</div>			

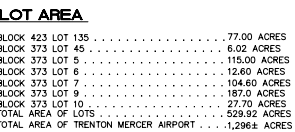
Van Cleef
ENGINEERING ASSOCIATES

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EMAIL: CONTACT@VANCLEEFENGINEERING.COM
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Consulting Civil Engineering
Bridge Design
Highway Design
Construction Inspection
Geotechnical Engineering
Water / Wastewater
Municipal Engineering
Land Surveying
Professional Planning
Landscape Architecture

NJ LLC CERT. NO. 340A20132000

LOI BOUNDARY & WETLANDS SURVEY
PREPARED FOR
TRENTON - MERCER AIRPORT
SITUATE IN
EWING TOWNSHIP, MERCER COUNTY, NEW JERSEY



BY: Christopher A. Melick 2/25/20
CHRISTOPHER A. MELICK
NEW JERSEY PROFESSIONAL LAND SURVEYOR LICENSE NO. 246503586000



Van Cleef

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 NJ LIC. CERT. No. 360401913290

With Offices in: New Jersey, Pennsylvania & Delaware

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WETLANDS AA LINE TABLE			
LINE NO.	BEARING	LENGTH	
L169	S 31°01'00" E	9.79'	
L170	S 4°44'30" E	22.26'	
L171	S 5°05'04" E	16.56'	
L172	S 8°02'38" E	18.63'	
L173	S 17°04'24" E	11.24'	
L174	S 19°47'46" W	20.10'	
L175	S 2°01'30" E	37.26'	
L176	S 35°05'33" W	40.59'	
L177	S 29°38'24" W	43.83'	
L178	S 15°54'42" W	28.03'	
L179	S 2°35'32" W	30.73'	
L180	S 2°27'32" W	10.17'	
L181	S 2°04'03" W	23.98'	
L182	S 2°04'03" W	43.82'	
L183	S 2°32'40" W	46.79'	
L184	S 18°46'35" W	16.94'	
L185	S 3°17'01" W	16.29'	
L186	S 28°40'59" E	16.88'	
L187	S 3°15'35" W	38.46'	
L188	S 2°01'16" W	30.21'	
L189	S 4°01'38" W	67.65'	
L190	S 24°53'43" W	29.69'	
L191	S 27°05'24" W	31.15'	
L192	S 4°43'42" E	46.58'	
L193	S 3°07'01" E	25.46'	
L194	S 58°48'25" E	38.54'	
L195	S 78°04'08" E	37.30'	
L196	S 34°24'56" W	38.99'	
L197	S 32°16'38" W	40.73'	
L198	S 43°54'22" E	28.93'	
L199	S 40°05'06" E	27.10'	
L200	S 38°14'06" W	46.07'	
L201	S 5°17'19" W	26.86'	
L202	S 84°33'02" W	14.73'	
L203	S 47°04'56" W	39.85'	

WETLANDS AA LINE TABLE			
LINE NO.	BEARING	LENGTH	
L204	S 16°24'14" E	11.02'	
L205	S 6°52'44" W	13.56'	
L206	S 23°02'37" E	13.24'	
L207	S 70°22'47" W	5.93'	
L208	N 13°57'23" E	17.01'	
L209	N 31°57'12" E	16.79'	
L210	N 20°07'46" E	12.85'	
L211	S 73°50'17" W	14.85'	
L212	N 8°05'13" E	21.71'	
L213	N 19°10'45" E	12.73'	
L214	S 2°35'32" W	30.70'	
L215	S 88°35'56" W	42.45'	
L216	S 87°03'11" W	63.99'	
L217	N 36°38'32" W	22.91'	
L218	N 56°59'04" E	46.12'	
L219	N 77°23'55" W	36.06'	
L220	S 24°12'04" E	27.14'	
L221	S 56°15'05" W	45.69'	
L222	S 58°46'17" W	58.26'	
L223	N 12°50'18" W	31.59'	
L224	S 63°23'29" W	31.55'	
L225	S 63°06'29" W	50.52'	
L226	S 15°44'58" W	38.34'	
L227	S 36°50'42" E	38.47'	
L228	S 86°14'12" E	34.91'	
L229	S 10°16'16" E	46.83'	
L230	S 34°09'47" E	42.72'	
L231	S 38°55'01" E	33.27'	
L232	S 24°48'09" E	37.76'	
L233	S 19°53'40" W	40.60'	
L234	S 56°25'50" W	48.15'	
L235	S 52°25'50" W	40.12'	
L236	S 57°31'32" W	50.38'	
L237	S 46°29'57" W	31.56'	
L238	S 83°45'40" W	43.45'	

WETLANDS AA LINE TABLE			
LINE NO.	BEARING	LENGTH	
L239	N 52°45'53" W	32.11'	
L240	S 27°51'05" W	22.49'	
L241	S 22°40'13" W	20.11'	
L242	S 30°06'01" W	33.12'	
L243	S 77°01'38" E	18.64'	
L244	S 18°28'06" E	12.73'	
L245	S 75°24'11" E	13.13'	
L246	S 41°43'08" W	14.74'	
L247	S 6°05'13" E	17.61'	
L248	S 20°35'41" W	39.04'	
L249	S 62°03'39" W	41.31'	
L250	S 67°54'44" W	28.90'	
L251	S 16°59'05" W	34.92'	
L252	S 35°55'13" E	17.36'	
L253	N 41°56'04" E	34.30'	
L254	S 35°31'15" E	23.08'	
L255	S 24°12'04" E	27.14'	
L256	S 61°32'50" W	9.77'	
L257	N 49°01'11" W	11.98'	
L258	N 12°50'18" W	31.59'	
L259	N 46°04'09" W	28.70'	
L260	S 63°06'29" W	50.52'	
L261	S 20°50'30" W	27.69'	
L262	N 30°54'32" W	40.58'	
L263	N 93°49'49" E	13.74'	
L264	N 14°05'51" W	13.58'	
L265	N 10°55'48" W	36.54'	
L266	N 10°50'50" W	32.09'	
L267	N 15°20'20" E	36.55'	
L268	N 44°25'18" E	39.86'	
L269	N 14°19'46" E	27.13'	
L270	N 48°40'45" E	38.13'	
L271	N 36°26'52" W	21.28'	
L272	N 20°13'02" E	30.38'	
L273	S 34°08'07" E	15.64'	

WETLANDS AA LINE TABLE			
LINE NO.	BEARING	LENGTH	
L274	N 15°40'56" E	42.34'	
L275	N 18°03'46" E	31.05'	
L276	N 28°15'56" E	31.93'	
L277	N 18°15'56" E	29.46'	
L278	N 13°50'29" E	31.32'	
L279	N 23°16'15" E	29.99'	
L280	N 16°07'54" E	40.82'	
L281	N 44°46'04" E	28.21'	
L282	N 36°38'11" E	17.67'	
L283	N 95°24'33" E	15.65'	
L284	N 17°29'09" W	5.00'	
L285	N 15°55'36" E	53.70'	
L286	N 18°56'16" E	20.93'	
L287	N 95°54'24" E	27.31'	
L288	N 41°56'04" E	42.75'	
L289	N 88°03'01" E	28.75'	
L290	N 25°34'50" E	11.77'	
L291	N 36°30'32" E	27.83'	
L292	N 39°55'44" E	41.60'	
L293	N 10°56'01" E	32.07'	
L294	N 47°59'02" E	47.81'	
L295	N 44°34'09" E	37.94'	
L296	N 52°34'30" E	50.43'	
L297	N 51°14'06" E	42.20'	
L298	N 69°20'36" E	16.26'	
L299	N 40°28'21" E	22.80'	
L300	N 49°57'35" E	27.01'	
L301	N 78°38'00" E	23.44'	
L302	N 24°42'33" E	39.86'	
L303	N 86°12'33" E	38.16'	
L304	N 73°51'51" E	35.29'	
L305	N 75°16'14" E	38.13'	
L306	N 79°42'45" E	53.97'	
L307	N 29°13'07" E	21.37'	
L308	N 52°01'43" E	35.71'	

WETLANDS AA LINE TABLE			
LINE NO.	BEARING	LENGTH	
L309	N 11°32'29" E	39.37'	
L310	N 37°38'25" E	29.87'	
L311	N 31°02'22" E	22.61'	
L312	N 1°56'20" E	22.78'	
L313	N 24°02'34" E	45.87'	
L314	N 10°07'34" W	36.11'	
L315	N 27°47'46" E	39.48'	
L316	N 75°07'22" E	31.51'	
L317	N 37°45'09" W	17.36'	
L318	N 10°50'45" E	23.84'	
L319	N 44°55'44" E	45.06'	
L320	N 14°53'22" E	22.90'	
L321	S 8°01'01" W	29.93'	
L322	S 71°36'33" W	31.15'	
L323	N 88°30'30" W	17.50'	
L324	N 18°47'15" W	7.68'	
L325	N 46°56'04" E	18.96'	
L326	N 76°50'36" E	18.78'	
L327	N 61°16'22" E	33.39'	
L328	N 81°56'01" E	32.07'	
L329	N 21°43'14" E	14.30'	
L330	N 42°04'47" W	20.23'	
L331	N 51°24'05" W	29.02'	
L332	N 36°17'17" E	11.05'	
L333	N 47°35'56" E	27.71'	

WETLAND FLAG COORDINATES			
FLAG	NORTHING	EASTING	
AA153	524711.8833	402572.0886	
AA154	524716.2044	402582.2399	
AA155	524726.3587	402617.8357	
AA156	524733.4109	402672.0746	
AA157	524741.109	402671.9642	
AA158	524751.3006	402674.6878	
AA159	524761.0306	402681.5108	
AA160	524763.0336	402687.0378	
AA161	524764.0336	402697.1970	
AA162	524769.0953	402684.5183	
AA163	524774.109	402671.9642	
AA164	524787.3938	402676.2556	
AA165	524791.8690	402677.9697	
AA166	524801.9153	402681.9721	
AA167	524801.2888	402690.2368	
AA168	524814.3385	402674.0377	
AA169	524821.8057	402671.6188	
AA170	524822.5633	402674.1217	
AA171	524812.2408	402624.5776	
AA172	524802.1311	402493.0863	
AA173	524829.2640	402500.9710	
AA174	524821.1657	402532.7929	
AA175	524824.524	402532.5023	
AA176	524830.4520	402533.1228	
AA177	524839.5407	402568.5742	
AA178	524844.4645	402588.9780	
AA179	524839.0234	402580.8059	
AA180	524820.8993	402599.4664	
AA181	524843.5212	402598.6845	
AA182	524842.9078	402613.3415	
AA183	524846.8527	402628.5867	
AA184	524852.2272	402636.4637	
AA185	524847.1990	402664.6153	
AA186	524855.8518	402675.0479	
AA187	524856.8518	402675.0479	
AA188	524856.8518	402675.0479	
AA189	524856.8518	402675.0479	
AA190	524856.8518	402675.0479	
AA191	524856.8518	402675.0479	
AA192	524856.8518	402675.0479	
AA193	524856.8518	402675.0479	
AA194	524856.8518	402675.0479	
AA195	524856.8518	402675.0479	
AA196	524856.8518	402675.0479	
AA197	524856.8518	402675.0479	
AA198	524856.8518	402675.0479	
AA199	524856.8518	402675.0479	
AA200	524856.8518	402675.0479	

WETLAND FLAG COORDINATES			
FLAG	NORTHING	EASTING	
AA201	524856.8518	402675.0479	
AA202	524856.8518	402675.0479	
AA203	524856.8518	402675.0479	
AA204	524856.8518	402675.0479	
AA205	524856.8518	402675.0479	
AA206	524856.8518	402675.0479	
AA207	524856.8518	402675.0479	
AA208	524856.8518	402675.0479	
AA209	524856.8518	402675.0479	
AA210	524856.8518	402675.0479	
AA211	524856.8518	402675.0479	
AA212	524856.8518	402675.0479	
AA213	524856.8518	402675.0479	
AA214	524856.8518	402675.0479	
AA215	524856.8518	402675.0479	
AA216	524856.8518	402675.0479	
AA217	524856.8518	402675.0479	
AA218	524856.8518	402675.0479	
AA219	524856.8518	402675.0479	
AA220	524856.8518	402675.0479	

WETLAND FLAG COORDINATES		FLAG	NORTHING
AA221	524856.8518	AA76	525069.6
AA222	524856.8518	AA78	525069.6
AA223	524856.8518	AA80	525671.633
AA224	524856.8518	AA81	525671.633
AA225	524856.8518	AA82	525635.35
AA226	524856.8518	AA83	525635.35
AA227	524856.8518	AA84	525674.74
AA228	524856.8518	AA86	525674.74
AA229	524856.8518	AA87	525674.74
AA230	524856.8518	AA88	525674.74
AA231	524856.8518	AA89	525674.74
AA232	524856.8518	AA90	525674.74
AA233	524856.8518	AA91	525674.74
AA234	524856.8518	AA92	525674.74
AA235	524856.8518	AA93	525674.74
AA236	524856.8518	AA94	525674.74
AA237	524856.8518	AA95	525674.74
AA238	524856.8518	AA96	525674.74
AA239	524856.8518	AA97	525674.74
AA240	524856.8518	AA98	525674.74
AA241	524856.8518	AA99	525674.74
AA242	524856.8518	AA00	525674.74
AA243	524856.8518	AA01	525674.74
AA244	524856.8518	AA02	525674.74
AA245	524856.8518	AA03	525674.74
AA246	524856.8518	AA04	525674.74
AA247	524856.8518	AA05	525674.74
AA248	524856.8518	AA06	525674.74
AA249	524856.8518	AA07	525674.74
AA250	524856.8518	AA08	525674.74
AA251	524856.8518	AA09	525674.74
AA252	524856.8518	AA10	525674.74
AA253	524856.8518	AA11	525674.74
AA254	524856.8518	AA12	525674.74
AA255	524856.8518	AA13	525674.74
AA256	524856.8518	AA14	525674.74
AA257	524856.8518	AA15	525674.74
AA258	524856.8518	AA16	525674.74
AA259	524856.8518	AA17	525674.74
AA260	524856.8518	AA18	525674.74
AA261	524856.8518	AA19	525674.74
AA262	524856.8518	AA20	525674.74
AA263	524856.8518	AA21	525674.74
AA264	524856.8518	AA22	525674.74
AA265	524856.8518	AA23	525674.74
AA266	524856.8518	AA24	525674.74
AA267	524856.8518	AA25	525674.74
AA268	524856.8518	AA26	525674.74
AA269	524856.8518	AA27	525674.74
AA270	524856.8518	AA28	525674.74
AA271	524856.8518	AA29	525674.74
AA272	524856.8518	AA30	525674.74
AA273	524856.8518	AA31	525674.74
AA274	524856.8518	AA32	525674.74
AA275	524856.8518	AA33	525674.74
AA276	524856.8518	AA34	525674.74
AA277	524856.8518	AA35	525674.74
AA278	524856.8518	AA36	525674.74
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AA281	524856.8518	AA39	525674.74
AA282	524856.8518	AA40	525674.74
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AA284	524856.8518	AA42	525674.74
AA285	524856.8518	AA43	525674.74
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AA287	524856.8518	AA45	525674.74
AA288	524856.8518	AA46	525674.74
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AA290	524856.8518	AA48	525674.74
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AA296	524856.8518	AA54	525674.74
AA297	524856.8518	AA55	525674.74
AA298	524856.8518	AA56	525674.74
AA299	524856.8518	AA57	525674.74
AA300	524856.8518	AA58	525674.74
AA301	524856.8518	AA59	525674.74
AA302	524856.8518	AA60	525674.74
AA303	524856.8518	AA61	525674.74
AA304	524856.8518	AA62	525674.74
AA305	524856.8518	AA63	525674.74
AA306	524856.8518	AA64	525674.74
AA307	524856.8518	AA65	525674.74
AA308	524856.8518	AA66	525674.74
AA309	524856.8518	AA67	525674.74
AA310	524856.8518	AA68	525674.74
AA311	524856.8518	AA69	525674.74
AA312	524856.8518	AA70	525674.74
AA313	524856.8518	AA71	525674.74
AA314	524856.8518	AA72	525674.74
AA315	524856.8518	AA73	525674.74
AA316	524856.8518	AA74	525674.74
AA317	524856.8518	AA75	525674.74
AA318	524856.8518	AA76	525674.74
AA319	524856.8518	AA77	525674.74
AA320	524856.8518	AA78	525674.74
AA321	524856.8518	AA79	525674.74
AA322	524856.8518	AA80	525674.74
AA323	524856.8518	AA81	525674.74
AA324	524856.8518	AA82	525674.74
AA325	524856.8518	AA83	525674.74
AA326	524856.8518	AA84	525674.74
AA327	524856.8518	AA85	525674.74
AA328	524856.8518	AA86	525674.74
AA329	524856.8518	AA87	525674.74
AA330	524856.8518	AA88	525674.74
AA331	524856.8518	AA89	525674.74
AA332	524856.8518	AA90	525674.74
AA333	524856.8518	AA91	525674.74
AA334	524856.8518	AA92	525674.74
AA335	524856.8518	AA93	525674.74
AA336	524856.8518	AA94	525674.74
AA337	524856.8518	AA95	525674.74
AA338	524856.8518	AA96	525674.74
AA339	524856.8518	AA97	525674.74
AA340	524856.8518	AA98	525674.74
AA341	524856.8518	AA99	525674.74
AA342	524856.8518	AA00	525674.74
AA343	524856.8518	AA01	525674.74
AA344	524856.8518	AA02	525674.74
AA345	524856.8518	AA03	525674.74
AA346	524856.8518	AA04	525674.74
AA347	524856.8518	AA05	525674.74
AA348	524856.8518	AA06	525674.74
AA349	524856.8518	AA07	525674.74
AA350	524856.8518	AA08	525674.74
AA351	524856.8518	AA09	525674.74
AA352	524856.8518	AA10	525674.74
AA353	524856.8518	AA11	525674.74
AA354	524856.8518	AA12	525674.74
AA355	524856.8518	AA13	525674.74
AA356	524856.8518	AA14	525674.74
AA357	524856.8518	AA15	525674.74
AA358	524856.8518	AA16	525674.74
AA359	524856.8518	AA17	525674.74
AA360	524856.8518	AA18	525674.74
AA361	524856.8518	AA19	525674.74
AA362	524856.8518	AA20	525674.74
AA363	524856.8518	AA21	525674.74
AA364	524856.8518	AA22	525674.74
AA365	524856.8518	AA23	525674.74
AA366	524856.8518	AA24	525674.74
AA367	524856.8518	AA25	525674.74
AA368	524856.8518	AA26	525674.74
AA369	524856.8518	AA27	525674.74
AA370	524856.8518	AA28	525674.74
AA371	524856.8518	AA29	525674.74
AA372	524856.8518	AA30	525674.74
AA373	524856.8518	AA31	525674.74
AA374	524856.8518	AA32	525674.74
AA375	524856.8518	AA33	525674.74
AA376	524856.8518	AA34	525674.74
AA377	524856.8518	AA35	525674.74
AA378	524856.8518	AA36	525674.74
AA379	524856.8518	AA37	525674.74
AA380	524856.8518	AA38	525674.74
AA381	524856.8518	AA39	525674.74
AA382	524856.8518	AA40	525674.74
AA383	524856.8518	AA41	525674.74
AA384	524856.8518	AA42	525674.74
AA385	524856.8518	AA43	525674.74
AA386	524856.8518	AA44	525674.74
AA387	524856.8518	AA45	525674.74
AA388	524856.8518	AA46	525674.74
AA389	524856.8518	AA47	525674.74
AA390	524856.8518	AA48	525674.74
AA391	524856.8518	AA49	525674.74
AA392	524856.8518	AA50	525674.74
AA393	524856.8518	AA51	525674.74
AA394	524856.8518	AA52	525674.74
AA395	524856.8518	AA53	525674.74
AA396	524856.8518	AA54	525674.74
AA397	524856.8518	AA55	525674.74
AA398	524856.8518	AA56	525674.74
AA399	524856.8518	AA57	525674.74
AA400	524856.8518	AA58	525674.74
AA401	524856.8518	AA59	525674.74
AA402	524856.8518	AA60	525674.74
AA403	524856.8518	AA61	525674.74
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AA405	524856.8518	AA63	525674.74
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AA407	524856.8518	AA65	525674.74
AA408	524856.8518	AA66	525674.74
AA409	524856.8518	AA67	525674.74
AA410	524856.8518	AA68	525674.74
AA411	524856.8518	AA69	525674.74
AA412	524856.8518	AA70	525674.74
AA413	524856.8518	AA71	525674.74
AA414	524856.8518	AA72	525674.74
AA415	524856.8518	AA73	525674.74
AA416	524856.8518	AA74	525674.74
AA417	524856.8518	AA75	525674.74
AA418	524856.8518	AA76	525674.74
AA419	524856.8518	AA77	525674.74
AA420	524856.8518	AA78	525674.74
AA421	524856.8518	AA79	525674.74
AA422	524856.8518	AA80	525674.74
AA423	524856.8518	AA81	525674.74
AA424	524856.8518	AA82	525674.74
AA425	524856.8518	AA83	525674.74
AA426	524856.8518	AA84	525674.74
AA427	524856.8518	AA85	525674.74
AA428	524856.8518	AA86	525674.74
AA429	524856.8518	AA87	525674.74
AA430	524856.8518	AA88	525674.74
AA431	524856.8518	AA89	525674.74
AA432	524856.8518	AA90	525674.74
AA433	524856.8518	AA91	525674.74
AA434	524856.8518	AA92	525674.74
AA435	524856.8518	AA93	525674.74
AA436	524856.8518	AA94	525674.74
AA437	524856.8518	AA95	525674.74
AA438	524856.8518	AA96	525674.74
AA439	524856.8518	AA97	525674.74
AA440	524856.8518	AA98	525674.74
AA441	524856.8518	AA99	525674.74
AA442	524856.8518	AA00	525674.74
AA443	524856.8518	AA01	525674.74
AA444	524856.8518	AA02	525674.74
AA445	524856.8518	AA03	525674.74
AA446	524856.8518	AA04	525674.74
AA447	524856.8518	AA05	525674.74
AA448	524856.8518	AA06	525674.74
AA449	524856.8518	AA07	525674.74
AA450	524856.8518	AA08	525674.74
AA451	524856.8518	AA09	525674.74
AA452	524856.8518	AA10	525674.74
AA453	524856.8518	AA11	525674.74
AA454	524856.8518	AA12	525674.74
AA455	524856.8518	AA13	525674.74
AA456	524856.8518	AA14	525674.74
AA457	524856.8518	AA15	525674.74
AA458	524856.8518	AA16	525674.74
AA459	524856.8518	AA17	525674.74
AA460	524856.8518	AA18	525674.74
AA461	524856.8518	AA19	525674.74
AA462	524856.8518	AA20	525674.74
AA46			



State of New Jersey

PHILIP D. MURPHY
Governor

DEPARTMENT OF ENVIRONMENTAL PROTECTION
Division of Land Resource Protection
Mail Code 501-02A
P.O. Box 420
Trenton, New Jersey 08625-0420
www.nj.gov/dep/landuse

CATHERINE R. McCABE
Commissioner

SHEILA Y. OLIVER
Lt. Governor

Melinda Montgomery, A.A.E.
Trenton Mercer Airport
340 Scotch Road, Suite 200
Ewing, NJ 08628

SEP 18 2020

RE: Letter of Interpretation: Line Verification-Portion of a Site
File No.: 1102-12-0002.5
Activity Number: FWW190001
Applicant: Mercer County Airport
Block(s): 373; Lot(s): 9 & 9.01
Ewing Township, Mercer County
Sub-watershed: Shabakunk Creek WB
Watershed: Assunpink Creek

Dear Ms. Montgomery:

This letter is in response to your request for a Letter of Interpretation to have Division of Land Use Regulation (Division) staff verify the boundary of the freshwater wetlands and/or State open waters **on a portion** of the referenced property and not the entire block and lot.

In accordance with agreements between the State of New Jersey Department of Environmental Protection, the U.S. Army Corps of Engineers Philadelphia and New York Districts, and the U.S. Environmental Protection Agency, the NJDEP, the Division is the lead agency for establishing the extent of State and Federally regulated wetlands and waters. The USEPA and/or USACE retain the right to reevaluate and modify the jurisdictional determination at any time should the information prove to be incomplete or inaccurate.

Based upon the information submitted, and upon a site inspection conducted by Division staff on March 12, 2020, the Division has determined that the wetlands and waters boundary line(s) as shown on the plan map entitled: **"WETLANDS DELINEATION PLAN FOR TRENTON-MERCER AIRPORT BLOCK 373 PART OF LOT 9 AND LOT 9.01 SITUATED IN EWING TOWNSHIP, MERCER COUNTY, NEW JERSEY"**, consisting of two sheets, dated November 25, 2019, unrevised, and prepared by Christopher A. Melick, P.L.S., of Van Cleef Engineering Associates, is accurate as shown.

Wetlands Resource Value Classification ("RVC")

In addition, the Division has determined that the resource value and the standard transition area or buffer required adjacent to the delineated wetlands are as follows:

Intermediate: All remaining freshwater wetlands shown. [50 foot wetland buffer]

Ordinary: XX-1 through XX-5; YY-1 through YY-4. [No wetland buffer]

State open water: Within wetlands and as shown on the referenced plan. [No wetland buffer]

In addition, the Department has determined that the following wetland points are isolated and not part of a surface water tributary system: XX-1 through XX-5 and YY-1 through YY-4. RVC may affect requirements for wetland and/or transition area permitting. This classification may affect the requirements for an Individual Wetlands Permit (see N.J.A.C. 7:7A-9 and 10), the types of Statewide General Permits available for the property (see N.J.A.C. 7:7A-5 and 7) and any modification available through a transition area waiver (see N.J.A.C. 7:7A-8). Please refer to the Freshwater Wetlands Protection Act (N.J.S.A. 13:9B-1 et seq.) and implementing rules for additional information.

Wetlands resource value classification is based on the best information available to the Department. The classification is subject to reevaluation at any time if additional or updated information is made available, including, but not limited to, information supplied by the applicant.

General Information

Pursuant to the Freshwater Wetlands Protection Act Rules, you are entitled to rely upon this jurisdictional determination for a period of five years from the date of this letter unless it is determined that the letter is based on inaccurate or incomplete information. Should additional information be disclosed or discovered, the Division reserves the right to void the original letter of interpretation and issue a revised letter of interpretation.

Regulated activities proposed within a wetland, wetland transition area or water area, as defined by N.J.A.C. 7:7A-2.2 and 2.3 of the Freshwater Wetlands Protection Act rules, require a permit from this office unless specifically exempted at N.J.A.C. 7:7A-2.4. The approved plan and supporting jurisdictional limit information are now part of the Division's public records.

Please be advised that any surface water features on the site or adjacent to the site may possess flood hazard areas and/or riparian zones and development within these areas may be subject to the Flood Hazard Area Control Act rules at N.J.A.C. 7:13. The Department can verify the extent of flood hazard areas and/or riparian zones through a flood hazard area verification under the application procedures set forth at N.J.A.C. 7:13-5.1.

This letter in no way legalizes any fill which may have been placed, or other regulated activities which may have occurred on-site. This determination of jurisdiction extent or presence does not make a finding that wetlands or water areas are "isolated" or part of a surface water tributary system unless specifically called out in this letter as such. Furthermore, obtaining this determination does not affect your responsibility to obtain any local, State, or Federal permits which may be required.

Recording

Within 90 calendar days of the date of this letter, the applicant shall submit the following information to the clerk of each county in which the site is located, and shall send proof to the Division that this information is recorded on the deed of each lot referenced in the letter of interpretation:

1. The Department file number for the letter of interpretation;
2. The approval and expiration date of the letter of interpretation;
3. A metes and bounds description of the wetland boundary approved under the letter of interpretation;
4. The width and location of any transition area approved under the letter of interpretation; and
5. The following statement: "The State of New Jersey has determined that all or a portion of this lot lies in a freshwater wetland and/or transition area. Certain activities in wetlands and transition areas are regulated by the New Jersey Department of Environmental Protection and some activities may be prohibited on this site or may first require a freshwater wetland permit. Contact the Division of Land Use Regulation at (609) 777-0454 or <http://www.nj.gov/landuse> for more information prior to any construction onsite."

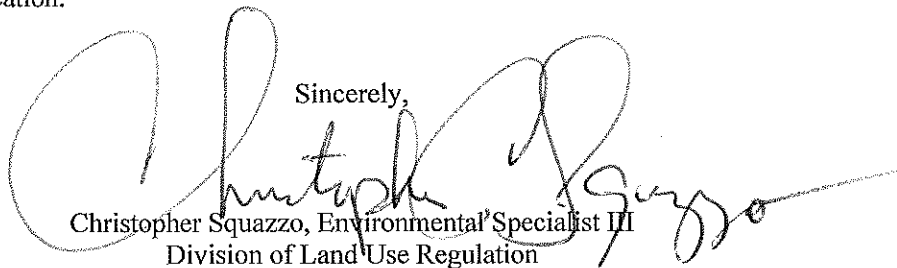
Failure to have this information recorded in the deed of each lot and/or to submit proof of recording to the Division constitutes a violation of the Freshwater Wetlands Protection Act rules and may result in suspension or termination of the letter of interpretation and/or subject the applicant to enforcement action pursuant to N.J.A.C. 7:7A-22.

Appeal Process

In accordance with N.J.A.C. 7:7A-21, any person who is aggrieved by this decision may request a hearing within 30 days of the date the decision is published in the DEP Bulletin by writing to: New Jersey Department of Environmental Protection, Office of Legal Affairs, Attention: Adjudicatory Hearing Requests, Mail Code 401-04L, P.O. Box 402, 401 East State Street, 7th Floor, Trenton, NJ 08625-0402. This request must include a completed copy of the Administrative Hearing Request Checklist found at www.state.nj.us/dep/landuse/forms. Hearing requests received after 30 days of publication notice may be denied. The DEP Bulletin is available on the Department's website at www.state.nj.us/dep/bulletin. In addition to your hearing request, you may file a request with the Office of Dispute Resolution to engage in alternative dispute resolution. Please see the website www.nj.gov/dep/odr for more information on this process.

Please contact Maxwell Dolphin of our staff by e-mail at maxwell.dolphin@dep.nj.gov or by phone at (609) 777-0454 should you have any questions regarding this letter. Be sure to indicate the Department's file number in all communication.

Sincerely,



Christopher Squazzo, Environmental Specialist III
Division of Land Use Regulation

- c: Ewing Township, Municipal Clerk w/ **plan**
Ewing Township, Municipal Construction Official
Agent, William F. Macholdt w/ **plan**



**APPLICATION FOR
NJDEP LETTER OF INTERPRETATION, REGULATORY LINE VERIFICATION
FOR A PORTION OF A SITE**

AT

**TRENTON-MERCER AIRPORT
AIRCRAFT RESCUE AND FIREFIGHTING (ARFF) STATION
BLOCK 373, PORTION OF LOTS 9 AND 9.01
EWING TOWNSHIP, MERCER COUNTY, NEW JERSEY**

December 30, 2019

PREPARED FOR:

DY Consultants
40 Wall Street, Suite 500
New York, NY 10005
Attn.: Richard Domas, *Principal Aviation Consultant*

APPLICANT:

Trenton-Mercer Airport
340 Scotch Road, Suite 200
Ewing, New NJ 08628
Attn: Ms. Melinda Montgomery, A.A.E., *Airport Manager*

PREPARED BY:

Amy S. Greene Environmental Consultants, Inc.
4 Walter E. Foran Blvd., Suite 209
Flemington, NJ 08822
ASGECI #4487

DATE	INVOICE NO.	COMMENT	AMOUNT	NET AMOUNT
12/18/2019	653-121819	LOI-RLV Portion of a Site		2,300.00
DATE 12/18/19			VENDOR Treasurer, State of New Jersey	TOTAL 2,300.00



40 WALL STREET, SUITE 500
NEW YORK, NY 10005
(212) 635-3838

JPMORGAN CHASE BANK
VALLEY STREAM, NY 11580

1-2
210

014841

Two Thousand Three Hundred and no/100

DATE	AMOUNT
12/18/19	14841 \$2,300.00

PAY
TO THE
ORDER
OF

TREASURER, STATE OF NEW JERSEY


AUTHORIZED SIGNATURE

⑈0 1484 1⑈ ⑆02 100002 1⑆ 1730644 18965⑈

DATE	INVOICE NO.	COMMENT	AMOUNT	NET AMOUNT
12/18/2019	653-121819	LOI-RLV Portion of a Site		2,300.00
DATE 12/18/19			VENDOR Treasurer, State of New Jersey	TOTAL 2,300.00

December 30, 2019

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

VIA UPS GROUND

Re: Request for Letter of Interpretation, Regulatory Line Verification
for a Portion of a Site
Trenton-Mercer Airport
Aircraft Rescue and Firefighting (ARFF) Station
Block 373, Portion of Lots 9 and 9.01
Ewing Township, Mercer County, New Jersey

APPLICANT: Trenton-Mercer Airport
340 Scotch Road, Suite 200
Ewing, New Jersey 08628
Attn: Ms. Melinda Montgomery, A.A.E., *Airport Manager*

Dear Application Support Unit:

On behalf of the applicant, Trenton-Mercer Airport, Amy S. Greene Environmental Consultants, Inc. (ASGECI) is requesting a Letter of Interpretation (LOI), Regulatory Line Verification to verify the delineation of wetlands within a portion of the above referenced airport property. Jennifer LaStella, Bill Macholdt, Max DeVane, and Liz Dancer of our staff performed the wetland delineations of the study area on December 5, 2018, May 23, 2019, and July 17, 2019.

As per N.J.A.C. 7:7A-4.5(b)3i-iv of the Freshwater Wetlands Protection Act Rules, a Regulatory Line Verification (RLV) LOI will be issued for *a portion of a site* given that the site is publicly owned; larger than 10 acres; the portion is no larger than 10 percent of the overall site; and the portion is clearly marked on the plan and in the field. Trenton-Mercer Airport consists of approximately 1,297 acres. This application is for an approximate 12.695-acre portion of Block 373, Lot 9 (187.0 acres) and Lot 9.01 (37.05 acres) of the airport property, which is significantly less than 10 percent of the overall site.

In accordance with Section 7:7A-18.1 of the Freshwater Wetlands Protection Act Rules, we are submitting a check in the amount of \$2,300.00 [\$1,000.00 base fee plus \$100.00 per acre or any fraction thereof (12.695 acres)]. Also included in this application package are one (1) copy of all items required for an LOI and five (5) copies of the "Wetlands Delineation Plan" (Sheets 1 and 2).

If you have any questions concerning this submission, please feel free to contact me (ext. 16) or Jennifer LaStella of our staff (ext. 38).

Sincerely,

AMY S. GREENE ENVIRONMENTAL
CONSULTANTS, INC.

A handwritten signature in blue ink, appearing to read 'W. Macholdt', is written over the printed name.

William F. Macholdt, PWS
Department Manager

JFL/WFM

Enclosures

Copy: Ewing Township Municipal Clerk (w/enc.)
Ms. Melinda Montgomery, Trenton-Mercer Airport (w/enc.)
Mr. Richard Domas, DY Consultants
ASGECI Project #4487

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2. NJDEP DIVISION OF LAND USE REGULATION (DLUR) APPLICATION FORM

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3. SITE INFORMATION SHEET
4. WETLANDS INVESTIGATION SUMMARY
5. SITE MAPS

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Figure 2 – County Road Map
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SECTION #1

Request for Letter of Interpretation, Regulatory Line Verification
for a Portion of a Site

Trenton-Mercer Airport

Aircraft Rescue and Firefighting (ARFF) Station

Block 373, Portion of Lots 9 and 9.01

Ewing Township, Mercer County, New Jersey

ASGECI Project #4487

**NJDEP FRESHWATER WETLANDS LETTER OF INTERPRETATION
APPLICATION CHECKLIST**



State of New Jersey
Department of Environmental Protection

Revised: January 2019

Website: www.nj.gov/dep/landuse



FRESHWATER WETLANDS PROTECTION ACT RULES

APPLICATION CHECKLIST

Letter of Interpretation: Line Verification

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

To apply for a letter of interpretation, 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

Please note: If you apply for a letter of interpretation and a permit, authorization, or waiver at the same time, the application requirements may be combined.

✓ 1. Completed application form;

✓ 2. Documentation that notice of the application has been provided in accordance with N.J.A.C. 7:7A-17, as follows:

✓ **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.

i. 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.

✓ **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:**

Unless the LOI is submitted with an application for a project listed at N.J.A.C. 7:7A-17.3(c)1-5 (which require different notice to property owners as described in the rules), 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.

ii. Documentation of compliance with this requirement shall consist of:

- A. A copy of the certified United States Postal Service white mailing receipt for each public notice that was mailed, or other written receipt; and
- B. 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.

iii. 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 letter of interpretation <<has been/will be>> submitted to the New Jersey Department of Environmental Protection, Division of Land Use Regulation for the site shown on the enclosed plan(s). A brief description of the proposed project follows: <<INSERT DESCRIPTION OF THE SITE AND ANY 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"*

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

Please refer to this portion of the rules for guidance on providing newspaper notice for certain large scale linear, public, or commercial projects.

- 3. 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:
 - i. If not located in the Pinelands Area, made payable to "Treasurer State of New Jersey"
 - ii. If located in the Pinelands Area, made payable to "NJDEP-Pinelands Wetlands Program."

- 4. State plane coordinates in accordance with N.J.A.C. 7:7A-16.7(a)
 - i. If submitted with an application for a linear project of one-half mile or longer, include State plane coordinates at the endpoints of the project and State plane coordinates for points located at 1,000-foot intervals along the entire length of the project;
 - ii. If submitted with an application for a linear project of less than one-half mile in length, include State plane coordinates at the endpoints of the project;

iii. If submitting an application for only an LOI, or an LOI and any other project, State plane coordinates at the approximate center of the site (within 50 feet of the actual center).

5. One set of color photographs showing a representative sample of the vegetation on the site or portion(s) of the site affected by the LOI application. Photographs must be mounted on 8½ -inch by 11-inch paper and accompanied by a map showing the location and direction from which each photograph was taken. Copies of photographs are acceptable provided they are color copies. Black and white copies of photographs are not acceptable.

6. 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;
- iii. A copy of the county soil survey map with the site clearly outlined; and
- iv. A copy of the USGS quad map(s) that include the site, with the site clearly outlined to scale.

7. Documentation of the name(s) and qualification(s) of the person(s) who prepared the application. For a Line Verification LOI, this includes the person who performed the delineation.

8. Data sheets for sample locations including:

- i. Soil borings: Soil logs describing the soil characteristics at the location of each soil boring, including a description of the field indicators, or lack thereof, for hydrology as outlined in the 1989 Federal manual;
- ii. Vegetation: A description of the vegetative species on the site recorded at each soil boring location classified using the United States Fish and Wildlife Service (USFWS) categories listed under "R/IND" and "NAT-IND" (Regional and National Indicators) columns in the "National Wetlands Plant List" and amendments thereto, compiled by the USFWS, United States Army Corps of Engineers, USEPA and the USDA's Natural Resources Conservation Service;

9. Survey: Five (5) folded copies of a topographical survey of the site; drawn at a scale of no more than 1 inch to 50 feet, certified in accordance with N.J.A.C. 7:7A-16.2(j), signed and sealed by a licensed surveyor pursuant to N.J.A.C. 13:40-7.2 through 7.4 and N.J.A.C. 7:7A-16.2(h) and 16.3(a)4, which:

- i. Includes the site boundaries (If applying for a line verification for an entire site) or identifies the portion of the site (which meets the requirements of N.J.A.C. 7:7A-4.5(b)2-3) subject to the verification
- ii. Proposed boundaries of all on-site wetlands, and/or State Open Waters plus all transition areas (boundary of transition area can be added prior to application or during review);
 - A. When delineating a State open water one to five feet in width measured from top of bank, with no wetland boundary, the delineation shall indicate the centerline of the State open water with several data points numbered and shown on the plans. When delineating a State open water that is greater than five feet in width, the delineation shall include two survey lines, with numbered points, depicting the top of bank on both sides of the State open water;
- iii. Depicts the flags or stakes identifying the boundaries in the field, sequentially numbered, and sequentially numbered line segments between each flag or stake;
- iv. Identifies the location and identifying number of each sample location described in item A above;
- v. Topographic contours as follows:
 - A. If the site is located in Middlesex County or Mercer County or anywhere north of these counties, the survey must show topographic contours at intervals of no more than five feet;
 - B. If the site is located south of Middlesex and Mercer Counties, the survey must show topographic contours at intervals of no more than two feet

- vi. A digital copy, georeferenced in NAD 83, of any survey can also be provided in addition to the paper.

✓ 10. Site requirements:

- i. Boundary Markers: The property boundaries and the proposed boundaries of all wetlands and/or open waters must be flagged and/or staked on the site as follows:
 - A. All flags and/or stakes must be present on the site prior to submission of the application to the Department;
 - B. The flags and/or stakes must be no more than 75 feet apart, must be set in relation to identifiable points and landmarks if possible and from each flag and/or stake you should be able to see the adjacent ones;
 - C. Each flag and/or stake must be uniquely (sequentially if possible) numbered and identified on the survey;
 - D. Flag and/or stakes shall be positioned so that they can be clearly visible at any time and any weather condition during the year, i.e. care should be taken so that flags and/or stakes are not positioned in a location likely to be covered by snow in the winter or overgrown in the summer.
 - E. Flags should not be tied to dead or annual vegetation.
- ii. Sample locations: All sample locations referenced in the data sheets must be clearly marked in the field.

✓ 11. Isolated wetland: If the applicant would like the Department to verify that a wetland is an isolated wetland, a request for that determination, and supporting documentation demonstrating that the wetland is isolated. For example, if inlets or pipes are present in the vicinity of the subject wetland, a map of the storm sewer system depicting the endpoint and invert elevations of the inlet or pipe.

SECTION #2

Request for Letter of Interpretation, Regulatory Line Verification
for a Portion of a Site

Trenton-Mercer Airport

Aircraft Rescue and Firefighting (ARFF) Station

Block 373, Portion of Lots 9 and 9.01

Ewing Township, Mercer County, New Jersey

ASGECI Project #4487

NJDEP DIVISION OF LAND USE REGULATION (DLUR) APPLICATION FORM

Include Attachment for Item #5 of the NJDEP DLUR Application Form:

List of Previous DLUR File Numbers



State of New Jersey
Department of Environmental Protection
Division of Land Use Regulation

Application Form for Permit(s)/Authorization(s)
501 E. State Street Mail Code 501-02A P.O. Box 420
Trenton, NJ 08625-0420

Phone #: (609) 777-0454 Web: www.nj.gov/dep/landuse



Please print legibly or type the following: Complete all sections and pages unless otherwise noted. Is this project a NJDOT Priority 1 Repair Project? Yes ☐ No ☒

Initial Application ☒ Response to DLUR Deficiency ☐ Extension / Modification ☐

Is this project a NJDOT Priority 2 Repair Project? Yes ☐ No ☒

1. **Applicant Name:** Mr./Ms./Mrs. Melinda Montgomery, A.A.E., Airport Manager
Trenton Mercer Airport
Address: 340 Scotch Road, Suite 200
City/State: Ewing / New Jersey
E-Mail: mmontgomery@mercercounty.org
Daytime Phone: 609-882-1601 Ext.
Zip Code 08628 Cell Phone:

2. **Agent Name:** Mr./Ms./Mrs. William F. Macholdt, Department Manager
Firm Name: Amy S. Greene Environmental Consultants, Inc.
Address: 4 Walter E. Foran Blvd., Suite 209
City/State: Flemington / New Jersey
E-Mail: jlasterella@amygreene.com (Project Manager)
Daytime Phone: 908-788-9676 Ext. 38
Zip Code 08822 Cell Phone:

3. **Property Owner:** Mr./Ms./Mrs. Melinda Montgomery, A.A.E., Airport Manager
Trenton Mercer Airport / County of Mercer
Address: 340 Scotch Road, Suite 200
City/State: Ewing / New Jersey
E-mail: mmontgomery@mercercounty.org
Daytime Phone: 609-882-1601 Ext.
Zip Code 08628 Cell Phone:

4. **Project Name:** Trenton Mercer Airport - Aircraft Rescue and Firefighting (ARFF) Station
Municipality: Ewing Township
Block(s): 373
Address/Location: Scotch Road
County: Mercer County Zip Code 08628
Lot(s): Portion of Lots 9 and 9.01
N.A.D. 1983 State Plane Coordinates (feet) E(x): N(y): *Not Longitude/Latitude*
Watershed: Assumpink Creek (below Shipetaukin Creek) Subwatershed: Shabakunk Creek WB
Nearest Waterway: West Branch Shabakunk Creek

5. **Project Description:** The applicant is seeking a Letter of Interpretation, Regulatory Line Verification for a Portion of Site in accordance with N.J.A.C. 7:7A-4.5(b)3.

Provide if applicable: Previous LUR File # (s): See Attached, Section #2 of LOI Application

Waiver request ID # (s):

A. SIGNATURE OF APPLICANT (required):

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining and preparing the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for knowingly submitting false information, including the possibility of fine and imprisonment. If the applicant is an organization such as a corporation, municipal entity, home-owners association etc., the party responsible for the application shall sign on behalf of the organization.

Signature of Applicant

Date

Melinda Montgomery, A.A.E., Airport Manager, Trenton Mercer Airport
Print Name

Signature of Applicant

Date

Print Name

B. PROPERTY OWNER'S CERTIFICATION

I hereby certify that the undersigned is the **owner of the property** upon which the proposed work is to be done. This endorsement is certification that the owner/easement holder grants permission for the conduct of the proposed activity. In addition, written consent is hereby given to allow access to the site by representatives or agents of the Department for the purpose of conducting a site inspection(s) or survey(s) of the property in question.

In addition, the undersigned property owner hereby certifies:

- | | |
|--|---|
| 1. Whether any work is to be done within an easement? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |
| (If answer is "Yes" – Signature/title of responsible party is required below) | |
| 2. Whether any part of the entire project will be located within property belonging to the State of New Jersey? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |
| 3. Whether any work is to be done on any property owned by any public agency that would be encumbered by Green Acres? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |
| 4. Whether this project requires a Section 106 (National Register of Historic Places) Determination as part of a federal approval? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |

Signature of Owner

12/31/19

Date

Melinda Montgomery, A.A.E., Airport Manager, Trenton Mercer Airport / Co. of Mercer
Print Name

Signature of Owner/Easement Holder

Date

Print Name/Title

C. APPLICANT'S AGENT

I, Melinda Montgomery, the Applicant/Owner and _____, co-Applicant/Owner authorize to act as my agent/representative in all matters pertaining to my application the following person:

William F. Macholdt

Name of Agent

Department Manager, Amy S. Greene Environmental Consultants, Inc.
Occupation/Profession of Agent

Signature of Applicant/Owner

Signature of co-Applicant/Owner

AGENT'S CERTIFICATION:

I agree to serve as agent for the above-referenced applicant:

Signature of Agent

Amy S. Greene Environmental Consultants, Inc.

Name of Firm

D. STATEMENT OF PREPARER OF PLANS, SPECIFICATIONS, SURVEYOR'S OR ENGINEER'S REPORT

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining and preparing the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for knowingly submitting false information, including the possibility of fine and imprisonment.

Signature

Print Name

Position & Name of Firm

Professional License #

Date

E. STATEMENT OF PREPARER OF APPLICATION, REPORTS AND/OR SUPPORTING DOCUMENTS (other than engineering)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining and preparing the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for knowingly submitting false information, including the possibility of fine and imprisonment.

Signature

William F. Macholdt

Print Name

Department Manager, Amy S. Greene Environmental Consultants, Inc.

Position & Name of Firm

Professional License #
(If Applicable)

Date

FEE CALCULATION TIPS:

- Whenever the calculation requires an acreage figure (including the Stormwater calculations), you will need to round UP to the nearest whole number, for example: 0.25 acres gets rounded up to one (1) acre or 2.61 acres gets rounded up to three (3) acres.
- The maximum fee for a CAFRA Individual permit, an Upland Waterfront Development permit, or an In-Water Waterfront Development permit is \$30,000 per permit type. For example: if you are applying for both an upland and an in-water Waterfront Development the maximum fee is applied to each permit for a maximum total of \$60,000 plus any applicable stormwater review fee.
- The stormwater review fee is applied only one time per project, maximum of \$20,000, regardless of multiple applications.

APPLICATION(S) FOR: Please check each permit/authorization that you are applying for and fill in the calculated fee (for each) in the "Fee Paid" column

	Coastal General Permits	Fee Amount	Fee Paid
<input type="checkbox"/>	CZMGP1 Amusement Pier Expansion	\$1,000.00	
<input type="checkbox"/>	CZMGP2 Beach/Dune Activities	\$1,000.00	
<input type="checkbox"/>	CZMGP3 Voluntary Reconstruction Certain Residential/Commercial Dev.	\$1,000.00	
<input type="checkbox"/>	CZMGP4 Development of one or two SFH or Duplexes	\$1,000.00	
<input type="checkbox"/>	CZMGP5 Expansion or Reconstruction SFH/Duplex	\$1,000.00	
<input type="checkbox"/>	CZMGP6 New Bulkhead/Fill Lagoon	\$1,000.00	
<input type="checkbox"/>	CZMGP7 Revetment at SFH/Duplex	\$1,000.00	
<input type="checkbox"/>	CZMGP8 Gabions at SFH/Duplex	\$1,000.00	
<input type="checkbox"/>	CZMGP9 Support Facilities at a Marina	\$1,000.00	
<input type="checkbox"/>	CZMGP10 Reconstruction of Existing Bulkhead	\$1,000.00	
<input type="checkbox"/>	CZMGP11 Hazard Waste Clean-up	\$1,000.00	
<input type="checkbox"/>	CZMGP12 Landfall of Utilities	\$1,000.00	
<input type="checkbox"/>	CZMGP13 Recreation Facility at Public Park	\$1,000.00	
<input type="checkbox"/>	CZMGP14 Bulkhead Construction & Fill Placement	\$1,000.00	
<input type="checkbox"/>	CZMGP15 Construction of Piers/Docks/Ramps in Lagoons	\$1,000.00	
<input type="checkbox"/>	CZMGP16 Minor Maintenance Dredging in Lagoons	\$1,000.00	
<input type="checkbox"/>	CZMGP17 Eroded Shoreline Stabilization	\$1,000.00	
<input type="checkbox"/>	CZMGP18 Avian Nesting Structures	\$1,000.00	
<input type="checkbox"/>	CZMGP19 Modification of Electrical Substations	\$1,000.00	
<input type="checkbox"/>	CZMGP20 Legalization of the Filling of Tidelands	\$1,000.00	
<input type="checkbox"/>	CZMGP21 Construction of Telecommunication Towers	\$1,000.00	
<input type="checkbox"/>	CZMGP22 Construction of Tourism Structures	\$1,000.00	
<input type="checkbox"/>	CZMGP23 Geotechnical Survey Borings	\$1,000.00	
<input type="checkbox"/>	CZMGP24 Habitat Creation, Restoration, Enhancement, Living Shorelines	No Fee	No Fee
<input type="checkbox"/>	CZMGP25 1 to 3 Turbines < 200 Feet	\$1,000.00	
<input type="checkbox"/>	CZMGP26 Wind Turbines < 250 Feet	\$1,000.00	
<input type="checkbox"/>	CZMGP27 Dredge Lagoon (post storm event)	\$1,000.00	
<input type="checkbox"/>	CZMGP28 Dredge post Bulkhead Failure	\$1,000.00	
<input type="checkbox"/>	CZMGP29 Dredge Marina (post storm event)	\$1,000.00	
<input type="checkbox"/>	CZMGP30 Aquaculture Activities	\$1,000.00	
<input type="checkbox"/>	CZMGP31 Placement of Shell (shellfish areas)	\$1,000.00	
<input type="checkbox"/>	CZMGP32 Application of Herbicide in Coastal Wetlands	\$1,000.00	
<input type="checkbox"/>	CZM Permit-by-Certification (On-line application ONLY)	\$1000.00	

	Coastal Individual Permits	Fee Amount	Fee Paid
<input type="checkbox"/>	CAFRA – IP SFH or Duplex	\$2,000	
<input type="checkbox"/>	CAFRA – IP Residential not SFH/duplex	\$3,000 x _____ # of units	
<input type="checkbox"/>	CAFRA – IP Commercial, Industrial or Public	\$3,000 x _____ acres of the site	
<input type="checkbox"/>	WFD - IP SFH or Duplex (Upland/Landward of MHWL)	\$2,000	
<input type="checkbox"/>	WFD – IP Residential not SFH/duplex (Upland/Landward of MHWL)	\$3,000 x _____ # of units	
<input type="checkbox"/>	WFD – IP Commercial, Industrial or Public Development (Upland/Landward of MHWL)	\$3,000 x _____ acres of the site	
<input type="checkbox"/>	WFD - IP SFH or Duplex (Waterward of MHWL)	\$2,000	
<input type="checkbox"/>	WFD – IP Residential not SFH/duplex (Waterward of MHWL)	\$3,000 x _____ acres of water area impacted	
<input type="checkbox"/>	WFD – IP Commercial, Industrial or Public Development (Waterward of MHWL)	\$3,000 x _____ acres of water area impacted	
<input type="checkbox"/>	CSW – IP SFH or Duplex	\$2,000	
<input type="checkbox"/>	CSW – IP All Development not SFH/duplex	\$3,000 x _____ acres of wetlands disturbed	

	Additional Coastal Authorizations	Fee Amount	Fee Paid
<input type="checkbox"/>	Modification of a Coastal GP	\$500	
<input type="checkbox"/>	Minor Technical Modification of a Coastal Wetland Permit	\$500 x _____ # of items to be revised	
<input type="checkbox"/>	Minor Technical Modification of a CAFRA IP	\$500 x _____ # of items to be revised	
<input type="checkbox"/>	Minor Technical Modification of a Waterfront IP	\$500 x _____ # of items to be revised	
<input type="checkbox"/>	Major Technical Modification of a Coastal Wetland Permit	0.30 x _____ original fee = Fee (Minimum \$500)	
<input type="checkbox"/>	Major Technical Modification of a CAFRA IP	0.30 x _____ original fee = Fee (Minimum \$500)	
<input type="checkbox"/>	Major Technical Modification of a Waterfront IP	0.30 x _____ original fee = Fee (Minimum \$500)	
<input type="checkbox"/>	Zane Letter (Waterfront Development Exemption)	\$500	
<input type="checkbox"/>	CAFRA Exemption Request	\$500	
<input type="checkbox"/>	CZM General Permit Extension	\$240 x _____ # of GPs to be extended	
<input type="checkbox"/>	Waterfront Development Individual Permit – Extension (Waterward of MHWL)	0.25 x _____ original fee = Fee (Maximum \$3,000)	
<input type="checkbox"/>	Meadowlands District Water Quality Certificate	\$5,000 + (\$2,500 x _____ # acres regulated area disturbed)	
<input type="checkbox"/>	Individual Permit Equivalency/CERCLA	No Fee	No Fee

	Consistency Determination	Fee Amount	Fee Paid
<input type="checkbox"/>	Water Quality Certificate (NOTE: No fee required under the coastal program)	\$5,000 + (\$2,500 x _____ # acres regulated area disturbed)	
<input type="checkbox"/>	Federal Consistency	No Fee	No Fee

APPLICATION(S) FOR: Please check each permit/authorization that you are applying for and fill in the calculated fee (for each) in the "Fee Paid" column

	Freshwater Wetlands General Permits	Fee Amount	Fee Paid
<input type="checkbox"/>	FWGP1 Main. & Repair Exist Feature	\$1,000.00	
<input type="checkbox"/>	FWGP2 Underground Utility Lines	\$1,000.00	
<input type="checkbox"/>	FWGP3 Discharge of Return Water	\$1,000.00	
<input type="checkbox"/>	FWGP4 Hazard Site Invest/Cleanup	\$1,000.00	
<input type="checkbox"/>	FWGP5 Landfill Closures	\$1,000.00	
<input type="checkbox"/>	FWGP6 Filling of Non-Tributary Wetlands	\$1,000.00	
<input type="checkbox"/>	FWGP6A TA Adj. to Non-Tributary Wetlands	\$1,000.00	
<input type="checkbox"/>	FWGP7 Human-made Ditches/Swales in Headwaters	\$1,000.00	
<input type="checkbox"/>	FWGP8 House Additions	\$1,000.00	
<input type="checkbox"/>	FWGP9 Airport Sight-Line Clearing	\$1,000.00	
<input type="checkbox"/>	FWGP10A Very Minor Road Crossings	\$1,000.00	
<input type="checkbox"/>	FWGP10B Minor Road Crossings	\$1,000.00	
<input type="checkbox"/>	FWGP11 Outfalls / Intakes Structures	\$1,000.00	
<input type="checkbox"/>	FWGP12 Surveying and Investigating	\$1,000.00	
<input type="checkbox"/>	FWGP13 Lake Dredging	\$1,000.00	
<input type="checkbox"/>	FWGP14 Water Monitoring Devices	\$1,000.00	
<input type="checkbox"/>	FWGP15 Mosquito Control Activities	\$1,000.00	
<input type="checkbox"/>	FWGP16 Creation/Restoration/Enhancement Habitat	No Fee	No Fee
<input type="checkbox"/>	FWGP17 Trails / Boardwalks	\$1,000.00	
<input type="checkbox"/>	FWGP17A Non-Motorized Multi-Use Paths	\$1,000.00	
<input type="checkbox"/>	FWGP18 Dam Repairs	\$1,000.00	
<input type="checkbox"/>	FWGP19 Docks and Piers	\$1,000.00	
<input type="checkbox"/>	FWGP20 Bank Stabilization	\$1,000.00	
<input type="checkbox"/>	FWGP21 Above Ground Utility Lines	\$1,000.00	
<input type="checkbox"/>	FWGP22 Expansion Cranberry Growing (Pinelands)	No Fee	No Fee
<input type="checkbox"/>	FWGP23 Spring Developments	\$1,000.00	
<input type="checkbox"/>	FWGP24 Malfunctioning Individual Septic Systems	No Fee	No Fee
<input type="checkbox"/>	FWGP25 Minor Channel / Stream Cleaning	\$1,000.00	
<input type="checkbox"/>	FWGP26 Redevelop Previously Disturbed Site	\$1,000.00	
<input type="checkbox"/>	FWGP27 Application of herbicide in wetlands	\$1,000.00	

	Freshwater Individual Permits	Fee Amount	Fee Paid
<input type="checkbox"/>	FWW IP-SFH/Duplex-Wetlands	\$2,000	
<input type="checkbox"/>	FWW IP-Wetlands (not SFH/Duplex)	\$5,000 + (\$2,500 x # acres FWW disturbed)	
<input type="checkbox"/>	FWW IP-SFH/Duplex-Open Water	\$2,000	
<input type="checkbox"/>	FWW IP-Open Water (not SFH/Duplex)	\$5,000 + (\$2,500 x # acres FWW disturbed)	

	Freshwater Wetlands Transition Area Waivers	Fee Amount	Fee Paid
<input type="checkbox"/>	TAW Averaging Plan	With valid LOI \$1,000 + (\$100 x # acres TA disturbed)	
<input type="checkbox"/>	TAW Hardship Reduction		
<input type="checkbox"/>	TAW Reduction per N.J.A.C. 7:7A-8.1(d)		
<input type="checkbox"/>	TAW Special Activity Individual Permit		
<input type="checkbox"/>	TAW Special Activity Linear Development	Without valid LOI \$1000 + (\$100 x # acres TA disturbed) + LOI Fee	
<input type="checkbox"/>	TAW Special Activity Redevelopment		
<input type="checkbox"/>	TAW Special Activity Stormwater		

	Letter of Interpretation	Fee Amount	Fee Paid
<input type="checkbox"/>	LOI Presence Absence	\$1,000.00	
<input type="checkbox"/>	LOI Footprint of Disturbance (3 Maximum)	\$1,000.00 each	
<input type="checkbox"/>	LOI Delineation < 1.00 Acres	\$1,000.00	
<input type="checkbox"/>	LOI Verification	\$1,000 + (\$100 x # of acres of the site)	
<input checked="" type="checkbox"/>	LOI Partial Site Verification	\$1,000 + (\$100 x 13 # of acres of the site subject to LOI)	\$2,300.00
<input type="checkbox"/>	LOI Extension Presence/Absence, Footprint, Delineation < 1 acre (Re-issuance)	\$500	
<input type="checkbox"/>	LOI Extension Line Verification (Re-issuance)	0.50 x original fee (Minimum \$500)	

	Additional Freshwater Wetlands Authorizations	Fee Amount	Fee Paid
<input type="checkbox"/>	FWGP Administrative Modification	No fee	No Fee
<input type="checkbox"/>	FWGP Minor technical modification	\$500.00	
<input type="checkbox"/>	FWGP Major technical modification	\$500.00	
<input type="checkbox"/>	Individual Permit Administrative Modification	No Fee	No Fee
<input type="checkbox"/>	Individual Permit Minor Technical Modification	\$500.00	
<input type="checkbox"/>	Individual Permit Major Technical Modification	0.30 x original fee (Minimum \$500)	
<input type="checkbox"/>	TAW Administrative Modification	No Fee	No Fee
<input type="checkbox"/>	TAW Minor Technical Modification	\$500.00	
<input type="checkbox"/>	TAW Major Technical Modification	0.30 x original fee (Minimum \$500)	
<input type="checkbox"/>	FWGP Extension	\$500 x # of items to be extended	
<input type="checkbox"/>	Individual Permit/Open Water Permit Extension	0.30 x original fee (Minimum \$500)	
<input type="checkbox"/>	TAW Extension	\$500 x # of items to be extended	
<input type="checkbox"/>	Freshwater Wetlands Exemption	\$500.00	
<input type="checkbox"/>	TAW Exemption	\$500.00	
<input type="checkbox"/>	Permit Equivalency/CERCLA	No Fee	No Fee

	Highlands	Fee Amount	Fee Paid
<input type="checkbox"/>	Pre-application Meeting	\$500.00	
<input type="checkbox"/>	Resource Area Determination Boundary Delineation < one acre	\$500.00	
<input type="checkbox"/>	Resource Area Footprint of Disturbance	\$500 + (\$50 x # of acres of the site)	
<input type="checkbox"/>	Resource Area Determination Verification (> one acre)	\$750 + (\$100 x # of acres of the site)	
<input type="checkbox"/>	Resource Area Determination Extension	0.25 x original fee (Minimum \$250)	
<input type="checkbox"/>	HPAAGP 1/ Habitat Creation/Enhance	No Fee	No Fee
<input type="checkbox"/>	HPAAGP 2 Bank Stabilization	\$500.00	
<input type="checkbox"/>	Preservation Area Approval (PAA)		
<input type="checkbox"/>	PAA with Waiver (Specify type below)		
	Waiver Type:		
<input type="checkbox"/>	HPAA Extension	\$1,000	

APPLICATION(S) FOR: Please check each permit/authorization that you are applying for and fill in the calculated fee (for each) in the "Fee Paid" column

	Flood Hazard Area General Permits	Fee Amount	Fee Paid
<input type="checkbox"/>	FHAGP1 Channel Clean w/o Sediment Removal	No Fee	
<input type="checkbox"/>	FHAGP1 Channel Clean w/Sediment Removal	No Fee	
<input type="checkbox"/>	FHAGP2 Mosquito Control	\$1,000.00	
<input type="checkbox"/>	FHAGP3 Scour Protection Bridges/Culverts	\$1,000.00	
<input type="checkbox"/>	FHAGP4 Creation/Restoration/Enhancement of Habitat and Water Quality Values and Functions	No Fee	
<input type="checkbox"/>	FHAGP5 Reconstruction and/or Elevation of Building in a Floodway	No Fee	
<input type="checkbox"/>	FHAGP6 Construction of One SFH/Duplex and Driveway	\$1,000.00	
<input type="checkbox"/>	FHAGP7 Relocation of Manmade Roadside Ditches for Public Roadway Improvements	\$1,000.00	
<input type="checkbox"/>	FHAGP8 Placement of Storage Tanks	\$1,000.00	
<input type="checkbox"/>	FHAGP9 Construction/Reconstruction of Bridge/Culvert Across Water < 50 Acres	\$1,000.00	
<input type="checkbox"/>	FHAGP10 Construction/Reconstruction of Bridge/Culvert Across Water > 50 Acres	\$1,000.00	
<input type="checkbox"/>	FHAGP11 Stormwater Outfall Along Regulated Water <50 Acres	\$1,000.00	
<input type="checkbox"/>	FHAGP12 Construction of Footbridges	\$1,000.00	
<input type="checkbox"/>	FHAGP13 Construction of Trails and Boardwalks	\$1,000.00	
<input type="checkbox"/>	FHAGP14 Application of herbicide in riparian	\$1,000.00	

	Flood Hazard Area Individual Permits	Fee Amount	Fee Paid
<input type="checkbox"/>	FHA - IP SFH and/or Accessory Structures	\$2,000	
<input type="checkbox"/>	Individual Permit (Fee is calculated by adding the base fee to the specific elements below)	\$3,000 Base Fee	
	FHA - IP Utility*	+ (\$1,000 x _____ # of water crossings)	
	FHA - IP Bank/Channel (No Calculation Review) *	+ \$1,000	
	FHA - IP Bank/Channel (With Calculation Review) *	+ (\$4,000 + (\$400 x _____ per 100 linear ft.))	
	FHA - IP Bridge/Culvert/Footbridge/Low Dam (No Calculation Review)*	+ (\$1,000 x _____ # of structures)	
	FHA - IP Bridge/Culvert/Footbridge/Low Dam (With Calculation Review) *	+ (\$4,000 x _____ # of structures)	
	FHA - Review of Flood Storage Displacement (net fill) Calculations*	+ \$4,000	
	Total	IP Review Fee	

	Flood Hazard Area Verifications	Fee Amount	Fee Paid
<input type="checkbox"/>	Verification-Delineation of Riparian Zone Only	\$1,000	
<input type="checkbox"/>	Verification-Method 1 (DEP Delineation) *	\$1,000	
<input type="checkbox"/>	Verification-Method 2 (FEMA Tidal Method) *	\$1,000	
<input type="checkbox"/>	Verification-Method 3 (FEMA Fluvial Method) *	\$1,000	
<input type="checkbox"/>	Verification-Method 4 (FEMA Hydraulic Method)	\$4,000 + (\$400 x _____ per 100 linear feet)	
<input type="checkbox"/>	Verification-Method 5 (Approximation Method)	\$1,000	
<input type="checkbox"/>	Verification-Method 6 (Calculation Method)	\$4,000+(\$400 x _____ per 100 linear feet)	

*Fee not applicable to (1) SFH

	Additional Flood Hazard Area Authorizations	Fee Amount	Fee Paid
<input type="checkbox"/>	FHA Hardship Exception Request	\$4,000	
<input type="checkbox"/>	FHA GP Administrative Modification	No Fee	No Fee
<input type="checkbox"/>	FHA GP Minor technical modification	\$500 x _____ # of project elements to be revised	
<input type="checkbox"/>	FHA GP Major technical modification	0.30 x _____ original fee (Minimum \$500)	
<input type="checkbox"/>	FHA Individual Permit Administrative Modification	No Fee	No Fee
<input type="checkbox"/>	FHA Individual Permit Minor Technical Modification	\$500 x _____ # of project elements to be revised	
<input type="checkbox"/>	FHA Individual Permit Major Technical Modification	0.30 x _____ original fee (Minimum \$500)	
<input type="checkbox"/>	FHA Verification Administrative Modification	No Fee	No Fee
<input type="checkbox"/>	FHA Verification Minor Technical Modification	\$500 x _____ # of project elements to be revised	
<input type="checkbox"/>	FHA Verification Major Technical Modification	0.30 x _____ original fee (Minimum \$500)	
<input type="checkbox"/>	FHA GP Extension	\$240	
<input type="checkbox"/>	FHA Individual Permit Extension	0.25 x _____ original fee	
<input type="checkbox"/>	FHA Verification Extension of Methods 1, 2, 3, 5, or Riparian Zone Only	\$240	
<input type="checkbox"/>	FHA Verification Extension of Methods 4 or 6	0.25 x _____ original fee	
<input type="checkbox"/>	FHA Individual Permit Equivalency/CERCLA	No Fee	No Fee
<input type="checkbox"/>	FHA GP Administrative Modification	No Fee	No Fee

	Stormwater Review Fee (Maximum Fee = \$20,000)	Fee Amount (Round UP to the nearest whole number)	Fee Paid
<input type="checkbox"/>	Stormwater Review (Fee is calculated by adding the base fee to the specific elements below)	\$3,000 Base Fee	
	Review of Groundwater Calculations	+ \$250 x _____ # acres disturbed	
	Review of Runoff Quantity Calculations	+ \$250 x _____ # acres disturbed	
	Review of Water Quality Calculations	+ \$250 x _____ # acres impervious surface	
	Total	Stormwater Review Fee	

	Applicability Determination	Fee Amount	Fee Paid
<input type="checkbox"/>	Coastal Applicability Determination	No Fee	No Fee
<input type="checkbox"/>	Flood Hazard Applicability Determination	No Fee	No Fee
<input type="checkbox"/>	Highlands Jurisdictional Determination	No Fee	No Fee
<input type="checkbox"/>	Executive Order 215	No Fee	No Fee

TOTAL FEE:	\$2,300.00
CHECK NUMBER:	

*Fee not applicable to (1) SFH

APPLICANT NAME: Trenton Mercer Airport
c/o Melinda Montgomery, Airport Mgr. FILE # (if known): _____

APPLICATION FORM - APPENDIX I

Section 1: Please provide the following information for the overall project site. All area measurements shall be recorded in acres to the nearest thousandth (0.001 acres).


<u>PROPOSED:</u>	<u>PRESERVED</u>	<u>UNDISTURBED</u>	<u>DISTURBED</u>
<i>RIPARIAN ZONE</i>	_____	_____	_____
<i>CZMRA FORESTED</i> <i>(CZMRA IP – Only)</i>	_____	_____	_____
<i>E & THABITAT</i> <i>Endangered and/or Threatened</i>	_____	_____	_____
<i>FRESHWATER WETLANDS</i>	_____	_____	_____

Section 2: Please provide the following information for each permit/authorization requested pursuant to the Freshwater Wetlands Protection Act. All area measurements shall be recorded in acres to the nearest thousandth (0.001 acres). Use additional sheets if necessary

PERMIT TYPE	WETLAND TYPE <i>Emergent, Forest, Shrub, Etc.</i>	RESOURCE CLASSIFICATION <i>Ordinary, Intermediate, Exceptional, EPA, Etc.</i>	
<u>PROPOSED DISTURBANCE:</u>	<u>WETLANDS</u>	<u>TRANSITION AREA</u>	<u>SOW</u>
FILLED			
EXCAVATED			
CLEARED			
TEMPORARY DISTURBANCE			

PERMIT TYPE	WETLAND TYPE <i>Emergent, Forest, Shrub, Etc.</i>	RESOURCE CLASSIFICATION <i>Ordinary, Intermediate, Exceptional, EPA, Etc.</i>	
<u>PROPOSED DISTURBANCE:</u>	<u>WETLANDS</u>	<u>TRANSITION AREA</u>	<u>SOW</u>
<i>FILLED</i>			
<i>EXCAVATED</i>			
<i>CLEARED</i>			
<i>TEMPORARY DISTURBANCE</i>			

TRANSMITTAL MEMORANDUM

TO: Melinda Montgomery, A.A.E
FROM: Rick Domas 
RE: Signatures and Input on DLUR Application Form
Wetlands Delineation LOI for TTN ARFF
DATE: Nov 21 2019

RECEIVED

NOV 26 2019

TRENTON-MERCER AIRPORT

Melinda,

Need your signatures/input on the attachment as noted here:

1. Sign and date under Section A, Signature of Applicant, page 1.
2. Sign and date under Section B, Property Owner's Certification, page 2, and answer the four questions listed in this section.
3. Sign as the applicant/owner under Section C, Applicant's Agent, page 2.

When done, please return to me for packaging with additional material and submittal to NJDEP.

If you have any questions on this matter, please do not hesitate to contact me.

Regards,

Rick

Attachment

cc: Jen LaStella, Amy S. Greene Envr Consultants, Inc.

SECTION #2 (CONTINUED...)

Request for Letter of Interpretation, Regulatory Line Verification
for a Portion of a Site

Trenton-Mercer Airport

Aircraft Rescue and Firefighting (ARFF) Station

Block 373, Portion of Lots 9 and 9.01

Ewing Township, Mercer County, New Jersey

ASGECI Project #4487

ATTACHMENT FOR ITEM #5 OF THE NJDEP DLUR APPLICATION FORM

LIST OF PREVIOUS DLUR FILE NUMBERS	
Mercer County Airport (Trenton-Mercer Airport)	
1100 Terminal Circle Dr., Suite 301	
Block 373, Lots 9 and 9.01	
Ewing Township, Mercer County, New Jersey	
Site ID #385277	
1102-12-0002.2 APD 140001	
1102-12-0002.4 APD 190001	
1102-10-0003.2 FWW 130001	
1102-11-0001.1 FWW 110001	
1102-12-0002.1 FWW 120001	
1102-12-0002.1 FWW 130001	
1102-12-0002.2 FWW 140001	
1102-12-0002.4 FWW 190001	
1102-12-0002.4 FWW 190002	
110212-0002.3 LUP 190001	
1102-12-0002.1 MIT 120001	
Source:	
NJDEP DataMiner (https://www13.state.nj.us/DataMiner), accessed November 19, 2019	

SECTION #3

Request for Letter of Interpretation, Regulatory Line Verification
for a Portion of a Site

Trenton-Mercer Airport

Aircraft Rescue and Firefighting (ARFF) Station

Block 373, Portion of Lots 9 and 9.01

Ewing Township, Mercer County, New Jersey

ASGECI Project #4487

SITE INFORMATION SHEET

Acreage: *Overall Airport:* 1,296.51-acres
 Block 373, Lot 9: 187.0-acres
 Block 373, Lot 9.01: 37.05-acres
 Portion / Study Area: 12.695-acres

Legal Designation: Block 373, Portion of Lots 9 and 9.01
 Ewing Township, Mercer County, New Jersey

Applicant: Trenton-Mercer Airport
 340 Scotch Road
 Ewing, New Jersey 08628
 Attn: Ms. Melinda Montgomery, A.A.E., *Airport Manager*
 Phone: 609-882-1601

Property Owner: Trenton-Mercer Airport / County of Mercer
 340 Scotch Road
 Ewing, New Jersey 08628
 Attn: Melinda Montgomery, A.A.E., *Airport Manager*
 Phone: 609-882-1601

Engineer: DY Consultants
 40 Wall Street, Suite 500
 New York, NY 10005

NJ State Plane Coordinates N: 526,306 feet
(Center of Study Area): E: 406,388 feet

USGS/NWI Quadrangle: Pennington NJ/PA Quadrangle

Soil Mapping: SSURGO Database for Mercer County, New Jersey

Watershed: Assunpink Creek (below Shipetaukin Creek)

Subwatershed: Shabakunk Creek WB

Water Quality Classification: Freshwater 2, Non-Trout (FW2-NT) and Category 2 (C2)

EPA Priority Wetlands: No

SECTION #4

Request for Letter of Interpretation, Regulatory Line Verification
for a Portion of a Site
Trenton-Mercer Airport
Aircraft Rescue and Firefighting (ARFF) Station
Block 373, Portion of Lots 9 and 9.01
Ewing Township, Mercer County, New Jersey
ASGECI Project #4487

WETLANDS INVESTIGATION SUMMARY

I. SITE DESCRIPTION

Trenton-Mercer Airport (the “*Overall Site*”) is located in the Township of Ewing, Mercer County, New Jersey and encompasses approximately 1,297 acres. The *overall site* consists of expansive areas of maintained lawn, runways, taxiways, and associated airport structures.

This application is for an approximate 12.695-acre portion of Block 373, Lot 9 (187.0-acres) and Lot 9.01 (37.050-acres) of the airport property [as defined by the study area limit illustrated on the enclosed figure maps (see Section #5) and “Wetlands Delineation Plan” (see Section #10)]. The approximate 12.695-acre study area comprises about 5.7% of Lots 9 and 9.01. The study area consists primarily of maintained lawns and forest. In general, the topography of the study area slopes gently to moderately from the runways and taxiways toward Scotch Road and the West Branch Shabakunk Creek.

The study area is bound by Scotch Road to the east; maintained lawns to the northeast; Runway 6-24 to the northwest; Taxiway “F” to the southwest; maintained lawn, New Jersey National Guard and New Jersey State Police Offices, parking lots, and helipads to the south; and Upper Ferry Road to the southeast.

II. WETLAND INVESTIGATION

Existing published information was studied to determine the approximate extent of wetlands in the study area. A wetlands delineation of the study area was performed by Jennifer LaStella, Bill Macholdt, Max DeVane, and Elizabeth Dancer of Amy S. Greene Environmental Consultants, Inc. on December 5, 2018, May 23, 2019, and July 17, 2019. Vegetation, soils, and hydrology were examined for evidence of wetland characteristics according to the methodology outlined in the *Federal Manual for Identifying and Delineating Jurisdictional Wetlands* (Federal Interagency Committee on Wetland Delineation, 1989). Use of this methodology is required by the New Jersey Department of Environmental Protection (NJDEP), Division of Land Use Regulation in accordance with the New Jersey Freshwater Wetlands Protection Act Rules. In order to be identified as wetlands, an area must have hydrophytic vegetation, hydric soils, and be saturated by groundwater or inundated by surface water for a significant period during the growing season.

Delineated wetlands are described below:

Wetland HH, designated as Flags OWHH1 through OWHH18, delineates a State open water and Palustrine forested wetland complex located along the West Branch Shabakunk Creek

between Scotch Road and the New Jersey State Police facility in the southeast portion of the LOI study area. This complex includes a forested wetland fringe between Flags OWHH10/HH10 and HH15/OWHH15. A manmade dam separates Wetlands II and HH. The West Branch Shabakunk Creek flows southeast from the dam toward Upper Ferry Road, at which point the stream enters a culvert at Flags HH1 and HH18 (see Section C. Hydrology below for further information).

Wetland II, designated as Flags II1 through II40, delineates a State open water and Palustrine forested wetland complex along the West Branch Shabakunk Creek situated northwest of Scotch Road in the southeast portion of the LOI study area (see Section #7, Photograph E). This complex includes State open waters between Flags II8/OWII8 and OWII16/II16; between Flags II17/OWII17 and OWII25/II25; and between II27/OWII27 and OWII29/II29. The West Branch Shabakunk Creek emanates from an outfall at Flags II18 and II19. A manmade dam separates Wetlands II and HH (see Section C. Hydrology below for further information).

Wetland XX, designated as Flags XX1 through XX5, delineates an isolated, Palustrine emergent wetland located in the southwest portion of the LOI study area (see Section #7, Photograph A). Wetland XX formed in a topographic depression and surrounded by periodically maintained upland lawn.

Wetland YY, designated as Flags YY1 through YY4, delineates an isolated, Palustrine, emergent wetland located in the northwest portion of the LOI study area (see Section #7, Photograph C). Wetland YY formed in a topographic depression and is surrounded by maintained upland lawn.

Included in the back pocket of this application is a map prepared by Van Cleef Engineering Associates, LLC entitled “Wetlands Delineation Plan” (Sheets 1 and 2), dated November 15, 2019 (no rev.), which indicates the location of wetlands and State open waters delineated within the study area. Sampling Station data is also included in Section #6 of this application, which documents soils, vegetation, and hydrology at representative wetland/upland locations on the site. Photographs of the documented areas are included in Section #7.

A. Vegetation

Vegetation within the study area was documented at six (6) Sampling Stations (see Section #6 for these datasheets; Sample Stations 1-6).

The Palustrine forested wetland fringes (Wetlands HH and II) associated with the West Branch Shabakunk Creek contained red maple (*Acer rubrum*, FAC), black willow (*Salix nigra*, OBL), American elm (*Ulmus americana*, FACW), and silver maple (*Acer saccharinum*, FACW) in the canopy layer; red maple saplings; silky dogwood (*Cornus amomum*, FACW) and Northern spicebush (*Lindera benzoin*, FAC) in the shrub layer; and soft rush (*Juncus effusus*, FACW), narrow-leaved cattail (*Typha angustifolia*, OBL), and reed canary grass (*Phalaris arundinacea*, FACW) in the herbaceous layer. Dominant vegetation identified in the wetland areas is classified as hydrophytic.

The isolated emergent wetlands within the study area (Wetlands XX and YY) contained slender rush (*Juncus tenuis*, FAC), common fox sedge (*Carex vulpinoidea*, OBL), lady’s thumb (*Persicaria maculosa*, FACW), and yellow nutsedge (*Cyperus esculentus*, FACW). These

wetlands are periodically cut as part of routine airport maintenance, as required by the Federal Aviation Administration (FAA). Dominant vegetation identified in the wetland areas is classified as hydrophytic.

A majority of the uplands within this study area included maintained upland lawn that contained various grass species (*Poa* spp.), English plantain (*Plantago lanceolata*, UPL), white clover (*Trifolium repens*, FACU), red clover (*Trifolium pratense*, FACU), chicory (*Cichorium intybus*, FACU), and hawkweed species (*Hieracium* spp.) in the herbaceous layer. Upland areas are periodically mowed to conform with routine airport maintenance requirements, as required by the FAA. Dominant vegetation identified in the upland areas is classified as non-hydrophytic.

A small area of forested upland was also identified within the southeast portion of the study area. This area contained hackberry (*Celtis occidentalis*, FACU), red maple, black cherry (*Prunus serotina*, FACU), and white ash (*Fraxinus americana*, FACU) in the canopy; oriental bittersweet (*Celastrus orbiculatus*, FACU), wild grape (*Vitis* sp.), Japanese honeysuckle (*Lonicera japonica*, FACU), and poison ivy (*Toxicodendron radicans*, FAC) in the woody vine layer; Japanese wineberry (*Rubus phoenicolasius*, UPL), multiflora rose (*Rosa multiflora*, FACU), Allegheny blackberry (*Rubus allegheniensis*, FACU), and Tatarian honeysuckle (*Lonicera tatarica*, FACU) in the shrub layer; and Japanese stiltgrass (*Microstegium vimineum*, FAC), garlic mustard (*Alliaria petiolata*, FACU), wild garlic (*Allium vineale*, FACU), and common mugwort (*Artemisia vulgare*, UPL) in the herbaceous layer. Dominant vegetation identified in this upland area is classified as non-hydrophytic.

B. Soils

Soils on the site are mapped on the Soil Survey Geographic (SSURGO) Database for Mercer County (USDA, Natural Resource Conservation Service, Fort Worth, Texas, 2004) (Section #5, Figure 3) as follows (NL = not listed as a hydric soil):

Quakertown silt loam, 2-6% slopes, NL (QukB)

Udorthents, bedrock substratum, 0-8% slopes, NL (UdbB)

None of the above listed soil units are listed as hydric soils or as containing hydric inclusions. Although not listed as hydric soils, wetlands were identified onsite. Soil samples taken within the wetland area exhibited hydric characteristics of low chroma matrix colors and mottling. Upland soils did not exhibit these hydric characteristics.

C. Hydrology

The primary source of hydrology of Wetlands XX and YY is surface water runoff from the adjacent runway, taxiways, and uplands. Both isolated wetlands occur in depressional areas.

The primary source of hydrology of Wetlands HH and II is the West Bank Shabakunk Creek, as well as surface water runoff from the adjacent upland areas. West Branch Shabakunk Creek has received a surface water classification of Freshwater 2, Non-Trout (FW2-NT) and Category 2 (C2) by the NJDEP. The West Branch Shabakunk Creek emanates from an outfall at Flags II18 and II19. The stream is impounded due the presence of a manmade dam, which separates Wetlands II and HH. The West Branch Shabakunk Creek flows southeast from the dam toward

Upper Ferry Road, at which point the stream enters an underground culvert at Flags HH1 and HH18.

Indicators of wetland hydrology within the onsite wetlands include soils saturated to the ground surface, ponding, water marks, water-stained leaves, and depressional areas with visual hydrological evidence of periodic and/or prolonged ponding. These characteristics were not observed in upland areas of the study area.

III. WETLANDS RESOURCE VALUE CLASSIFICATION

Wetlands are classified according to their resource value as determined by the New Jersey Freshwater Wetlands Protection Act rules (N.J.A.C. 7:7A). Wetlands associated with trout-production waters or that are documented habitat for endangered or threatened species, are classified as exceptional resource value wetlands. Ordinary resource value wetlands are ditches, swales (linear topographic depressions, either naturally occurring or of human construction and generally 50 feet wide or narrower), detention basins, and certain isolated wetlands (less than 5,000 square feet and surrounded by at least 50% developed land). All other wetlands are intermediate resource value.

With exception to the isolated wetlands, the wetlands identified within study area appear to ultimately drain to the West Branch Shabakunk Creek or its tributaries. The West Branch Shabakunk Creek has received a surface water quality classification of FW2-NT and C2 by NJDEP. According to NJDEP Landscape Project (Version 3.3), no threatened or endangered wildlife species or rare natural communities were identified in or adjacent to the study area. Therefore, Wetlands II and HH should be classified as Intermediate Resource Value subject to standard 50-foot transition areas. Isolated Wetlands XX and YY, by definition, should be classified as ordinary resource value wetlands and not be subject to transition areas.

The NJDEP will make the final determination regarding the resource value classification of the onsite wetlands.

IV. SUMMARY

Freshwater wetlands were identified and delineated within the study area during field visits conducted by Jennifer LaStella, Bill Macholdt, Max DeVane, and Liz Dancer of Amy S. Greene Environmental Consultants, Inc. on December 5, 2018, May 23, 2019, and July 17, 2019. Wetlands were characterized by a dominance of hydrophytic vegetation, hydric soils, and the presence of wetland hydrologic indicators. Upland areas lacked these characteristics. The water quality classification of the West Branch Shabakunk Creek and its tributaries is FW2-NT and C2. No threatened or endangered species or their habitats were identified onsite by New Jersey Landscape Project Mapping or during the wetland delineation. Therefore, by definition, the isolated wetlands should be classified as ordinary resource value wetlands and should not be subject to transition areas. Other onsite wetlands should be classified as intermediate resource value subject to standard 50-foot transition areas. The NJDEP will make the final determination regarding the resource value classification of the onsite wetlands.

SECTION #5

Request for Letter of Interpretation, Regulatory Line Verification
for a Portion of a Site

Trenton-Mercer Airport

Aircraft Rescue and Firefighting (ARFF) Station

Block 373, Portion of Lots 9 and 9.01

Ewing Township, Mercer County, New Jersey

ASGECI Project #4487

SITE MAPS

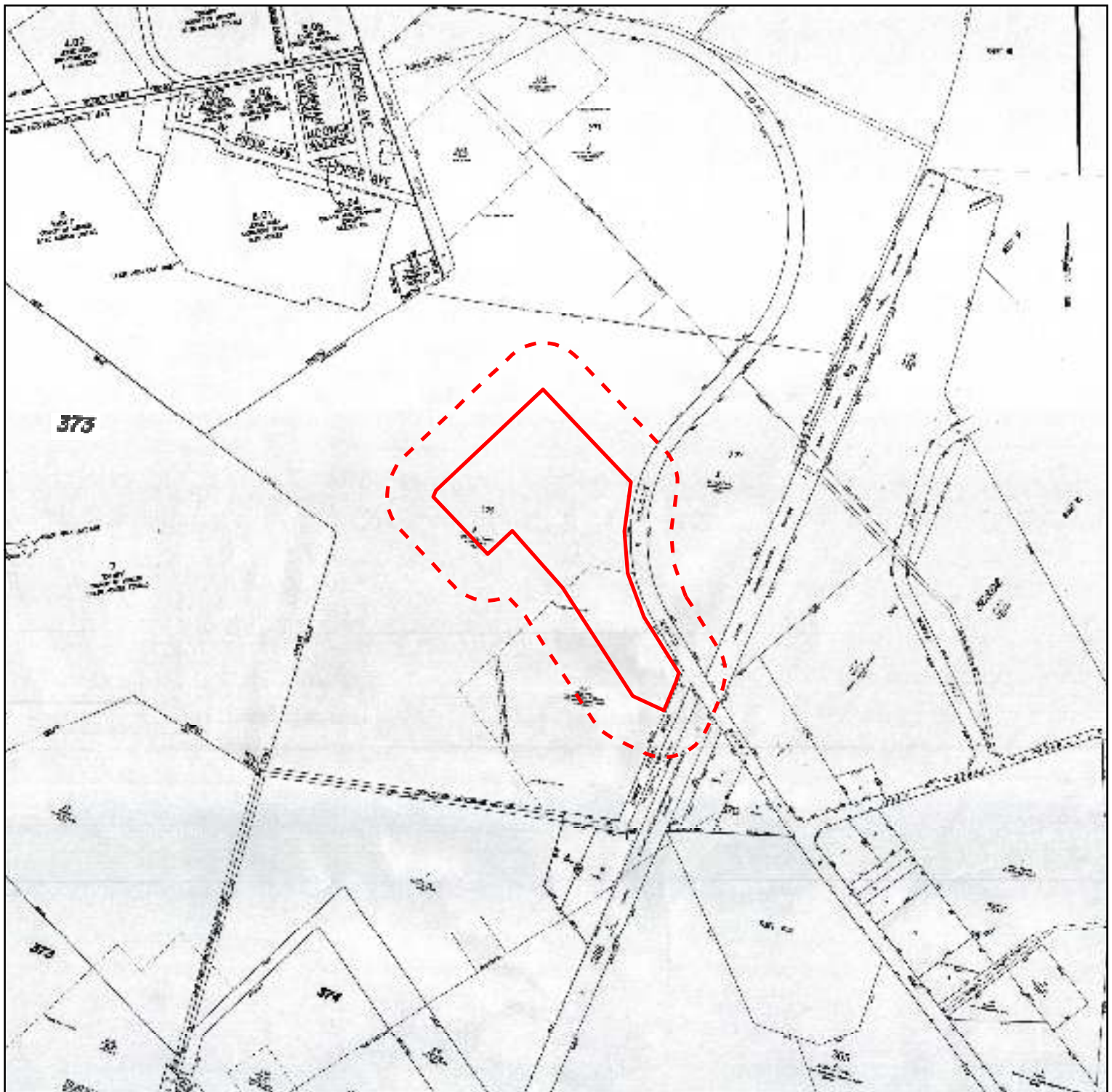
Figure 1 – Municipal Tax Map

Figure 2 – County Road Map



Figure 3 – SSURGO Soils Map

Figure 4 – USGS Topographic Map

Figure 5 – NJDEP Wetlands and Streams Map



Legend

-  Study Area
-  200-foot buffer of Study Area

Study
Area



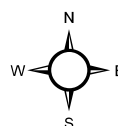
Note: Map scale is approximate

Source:
Municipal Tax Map for Township of Ewing, Mercer County, New Jersey, Sheets 59, 62, 63, 64, 66, & 72, prepared
by Charles E. Adamson, Remington, Vernick, & Arango Engineers, Cinnaminson, NJ, last revised November 2017.

Figure 1 Municipal Tax Map

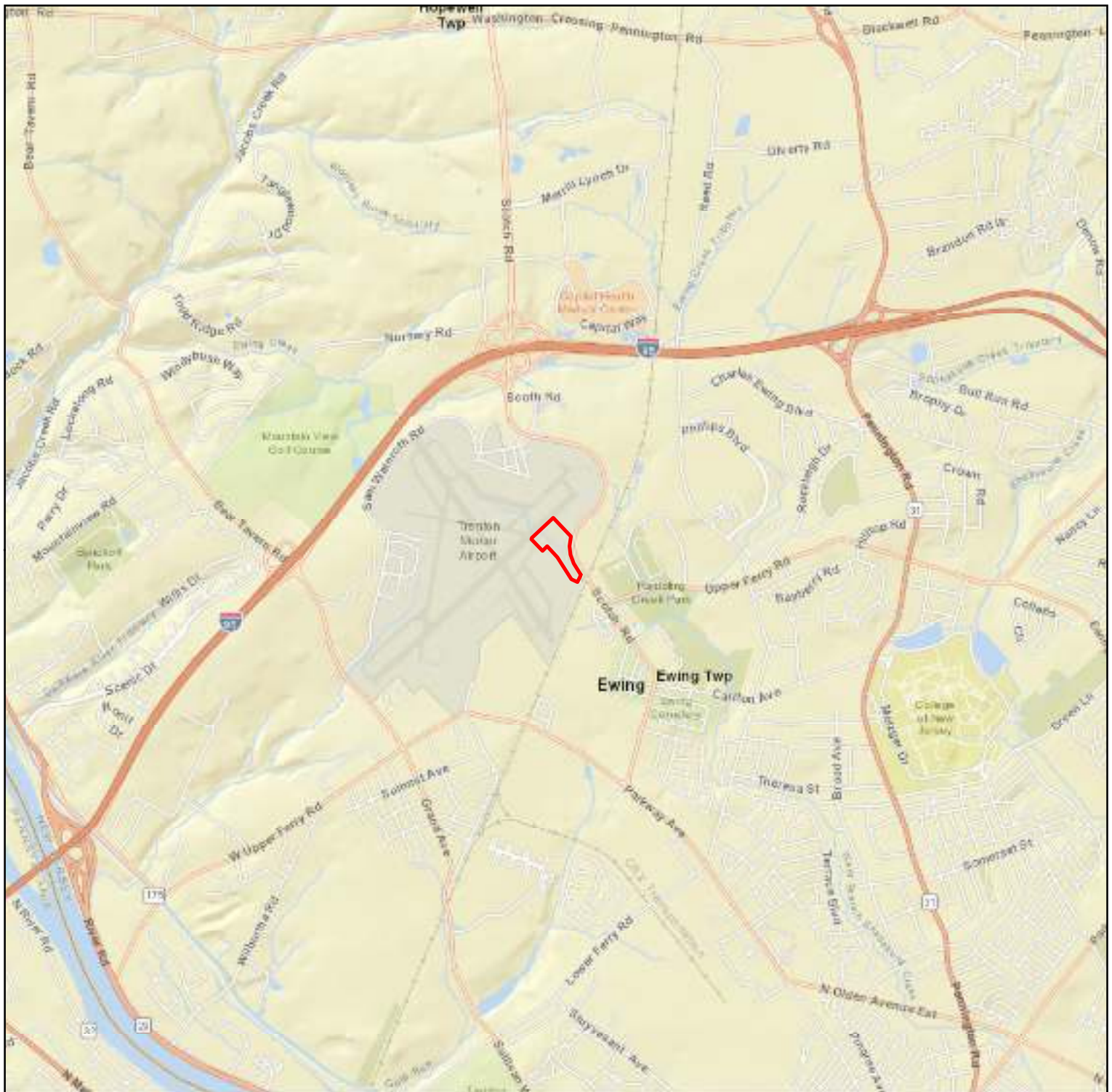
Trenton Mercer Airport
Aircraft Rescue and Firefighting (ARFF) Station
Block 373, portion of Lots 9 & 9.01
Ewing Township
Mercer County, New Jersey

ASGECI Project # 4487




600
Feet

AMT'S GREENE
ENVIRONMENTAL
CONSULTANTS



Legend

 Study Area



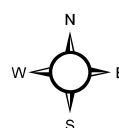
Study Area

Source:
ESRI Street Map was developed using Esri basemap data, DeLorme basemap layers, U.S. Geological Survey elevation data, HERE data, and select data from the GIS user community, released by ESRI® Data & Maps, Redlands, California, 2019.

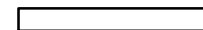
Figure 2 County Road Map

Trenton Mercer Airport
Aircraft Rescue and Firefighting (ARFF) Station
Block 373, portion of Lots 9 & 9.01
Ewing Township
Mercer County, New Jersey

ASGECI Project # 4487



3,000



Feet





Legend

 Study Area

SOILS LIST:

QukB - Quakertown silt loam,
2 to 6 percent slopes

UdbB - Udorthents, bedrock substratum,
0 to 8 percent slopes

Study
Area

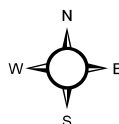


Sources:
Soil Survey Geographic (SSURGO) Database for Mercer County, New Jersey,
U.S. Department of Agriculture, Natural Resources Conservation Service, Fort Worth, Texas, January 2014.
New Jersey 2015 High Resolution Orthophotography, NAD83 NJ State Plane Feet, State of New Jersey -
Office of Information Technology, Office of Geographic Information Systems, Trenton, NJ, February 2016.

Figure 3 SSURGO Soils Map

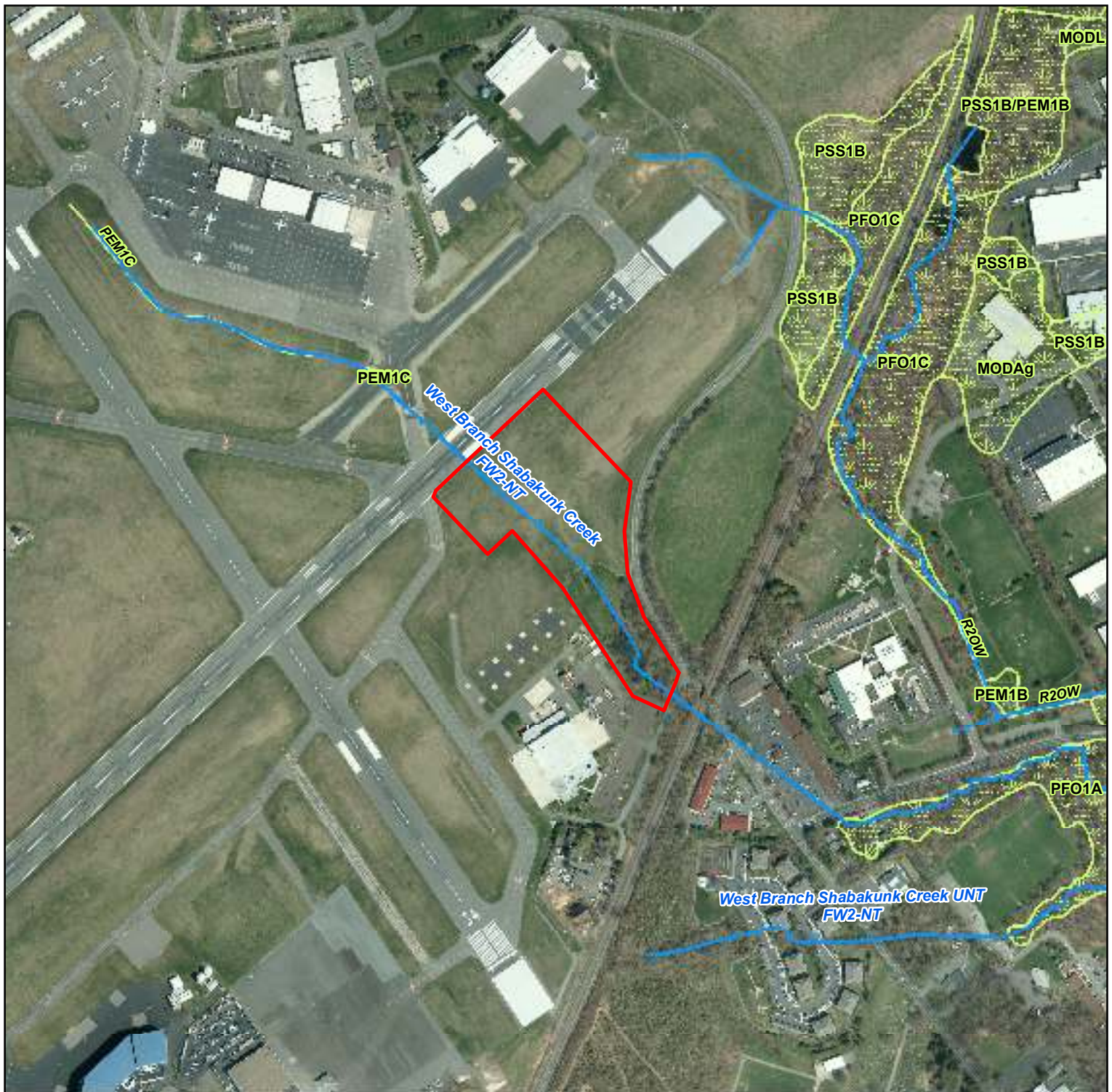
Trenton Mercer Airport
Aircraft Rescue and Firefighting (ARFF) Station
Block 373, portion of Lots 9 & 9.01
Ewing Township
Mercer County, New Jersey

ASGECI Project # 4487







200
Feet

AMT & GREENE
ENVIRONMENTAL
CONSULTANTS



Legend

-  Study Area
-  Streams and Water Quality
-  NJDEP Freshwater Wetlands
-  NJDEP Linear Wetlands

Study Area

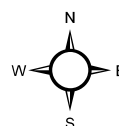


Sources:
 NJDEP Surface Water Quality Standards of New Jersey, NJ Department of Environmental Protection, Water Monitoring & Standards, Bureau of Freshwater and Biological Monitoring, Trenton, NJ, December 2010.
 NJDEP Wetlands of New Jersey by County, 1986, New Jersey Department of Environmental Protection, Office of Information Resources Management, Bureau of Geographic Information & Analysis, NJDEP, November 1999.
 New Jersey 2015 High Resolution Orthophotography, NAD83 NJ State Plane Feet, State of New Jersey - Office of Information Technology, Office of Geographic Information Systems, Trenton, NJ, February 2016.

Figure 5
NJDEP Wetlands and Streams Map

Trenton Mercer Airport
 Aircraft Rescue and Firefighting (ARFF) Station
 Block 373, portion of Lots 9 & 9.01
 Ewing Township
 Mercer County, New Jersey

ASGECI Project # 4487



600
 Feet

SWT'S GREENE
ENVIRONMENTAL
CONSULTANTS

SECTION #6

Request for Letter of Interpretation, Regulatory Line Verification
for a Portion of a Site

Trenton-Mercer Airport

Aircraft Rescue and Firefighting (ARFF) Station

Block 373, Portion of Lots 9 and 9.01

Ewing Township, Mercer County, New Jersey

ASGECI Project #4487

SAMPLING STATION DATA SHEETS

**Table 1: Sampling Data and Determinations for the Trenton Mercer Airport - Aircraft Rescue and Firefighting (ARFF) Station
Block 373, Portion of Lots 9 and 9.01, Ewing Township, Mercer County, New Jersey, collected on May 23, 2019.**

Station: 1		Flag: XX 1/5		Date: 5/23/19		Project: 4487	
VEGETATION				SOILS			
Region: EMP				DEPTH (inches)	MATRIX COLOR (5)	MOTTLING % COLOR	TEXTURE (6)
Species (1)	Indicator Status (2)	Cover Class (3)					
1. CANOPY				0-6	10YR 2/2	10% 10YR 5/8	SIL
None				6-10	10YR 4/1	15% 10YR 2/2	SIL
				10-16	10YR 4/3	30% 10YR 4/2	grSIL
2. SUBCANOPY/ SAPLINGS				16+	refusal	10% 10YR 5/8	
None							
3. SHRUBS							
None							
4. WOODY VINES							
None				Soil Unit as Mapped (7): Udorthents, bedrock substratum, 0 to 8 percent slopes (UdbbB)			
				Drainage Class as Mapped: Moderately Well Drained			
				Soil Classification as Mapped (8): Non-Hydric			
				Soil Classification of Sample (9): Hydric			
5. HERBACEOUS				HYDROLOGY			
Unidentified grass	NIS	5		Depth to Soil Saturation: 0"			
Eleocharis sp.	NIS	2		Depth to Standing Water (10): ND			
Juncus tenuis	FAC	2	*	Ponding: N	Flooding: N	Other (11): M	
Carex vulpinoidea	OBL	2	*	Wetland Hydrology: Present			
Persicaria maculosa	FACW	1		SUMMARY			
				PHOTOGRAPH: A			
				VEGETATION: Hydrophytic			
				SOILS: Hydric			
				HYDROLOGY: Present			
				DETERMINATION: Wetland			
Community Type: Palustrine emergent							
Classification (4): Hydrophytic							

Station: 3		Flag: YY 1/4		Date: 5/23/19		Project: 4487			
VEGETATION						SOILS			
Region: EMP									
Species (1)		Indicator Status (2)	Cover Class (3)			DEPTH (inches)	MATRIX COLOR (5)	MOTTLING % COLOR	TEXTURE (6)
1. CANOPY						0-8	10 YR 4/1	10% 10YR 5/8	SiL
None						8-12	10 YR 3/2	40% 10YR 4/6	SiL
						12+	refusal		
2. SUBCANOPY/ SAPLINGS									
None									
3. SHRUBS									
None									
4. WOODY VINES									
None									
						Soil Unit as Mapped (7): Udorthents, bedrock substratum, 0 to 8 percent slopes (UdbB)			
						Drainage Class as Mapped: Moderately Well Drained			
						Soil Classification as Mapped (8): Non-Hydric			
						Soil Classification of Sample (9): Hydric			
5. HERBACEOUS							HYDROLOGY		
Ludwigia palustris		OBL	3	*					
Carex vulpinoidea		OBL	2	*			Depth to Soil Saturation: 0"		
Eleocharis sp.		NIS	3				Depth to Standing Water (10): ND		
Echinochloa sp.		NIS	1				Ponding: N	Flooding: N	Other (11): M
Persicaria sp.		NIS	1				Wetland Hydrology: Present		
Cyperus esculentus		FACW	1				SUMMARY		
						PHOTOGRAPH: C			
						VEGETATION: Hydrophytic			
						SOILS: Hydric			
						HYDROLOGY: Present			
						DETERMINATION: Wetland			
Community Type: Palustrine emergent									
Classification (4): Hydrophytic									

Station: 4		Flag: YY 3/4		Date: 5/23/19		Project: 4487			
VEGETATION				SOILS					
Region: EMP				Indicator Status (2)	Cover Class (3)	DEPTH (inches)	MATRIX COLOR (5)	MOTTLING % COLOR	TEXTURE (6)
Species (1)									
1. CANOPY						0-8	10 YR 4/3		SiL
	None					8-14	10 YR 3/3		SiL
2. SUBCANOPY/ SAPLINGS									
	None								
3. SHRUBS									
	None								
4. WOODY VINES									
	None								
Soil Unit as Mapped (7): Udorthents, bedrock substratum, 0 to 8 percent slopes (UdbB)									
Drainage Class as Mapped: Moderately Well Drained									
Soil Classification as Mapped (8): Non-Hydric									
Soil Classification of Sample (9): Non-Hydric									
5. HERBACEOUS									
Unidentified grass		NIS	7						
Trifolium repens		FACU	3	*					
Trifolium pratense		FACU	1						
Juncus tenuis		FAC	2	*					
Lamium purpureum		UPL	1						
Hieracium sp.		NIS	1						
Plantago lanceolata		UPL	1						
Wetland Hydrology: Absent									
SUMMARY									
PHOTOGRAPH: D									
VEGETATION: Non-Hydrophytic									
SOILS: Non-Hydric									
HYDROLOGY: Absent									
DETERMINATION: Upland									
Community Type: Maintained Upland Lawn									
Classification (4): Non-Hydrophytic									

Station: 5		Flag: II35 & II36		Date: 12/10/2018		Project: 4487	
VEGETATION				SOILS			
Region: EMP							
Species (1)	Indicator Status (2)	Cover Class (3)	DEPTH (inches)	MATRIX COLOR (5)	MOTTLING % COLOR	TEXTURE (6)	
1. CANOPY			0-6	10YR 2/1	None	SiL	
<i>Ulmus americana</i>	FACW	20	6-12	10YR 4/1	10% 10YR 4/6	grSiL	
<i>Salix nigra</i>	OBL	20	12+	Refusal			
2. SUBCANOPY/ SAPLINGS							
<i>Salix nigra</i>	OBL	25					
<i>Acer rubrum</i>	FAC	15					
3. SHRUBS							
None				Soil Unit as Mapped (7): Quakertown silt loam, 2 to 6 percent slopes [QukB]			
4. WOODY VINES				Drainage Class as Mapped: Well-Drained			
None				Soil Classification as Mapped (8): Non-Hydric			
				Soil Classification of Sample (9): Hydric			
HYDROLOGY							
5. HERBACEOUS/TREE SEEDLINGS				Depth to Soil Saturation: 0"			
<i>Juncus effusus</i>	FACW	5	*	Depth to Standing Water (10): 3"			
				Ponding: Y	Flooding: N	Other (11): I, D	
				Wetland Hydrology: Present			
SUMMARY							
PHOTOGRAPH: E							
VEGETATION: Hydrophytic							
SOILS: Hydric							
HYDROLOGY: Present							
DETERMINATION: Wetland							
Community Type: Palustrine Forested Wetland Fringe/Impounded Wetland							
Classification (4): Hydrophytic							

Station: 6		Flag: II35 & II36	Date: 12/10/2018	Project: 4487			
VEGETATION							
Region: EMP				SOILS			
Species (1)	Indicator Status (2)	Cover Class (3)		DEPTH	MATRIX	MOTTLING	TEXTURE
				(inches)	COLOR (5)	% COLOR	(6)
1. CANOPY				0-8	10YR 3/4	None	SiL
<i>Acer rubrum</i>	FAC	30	*	8-12	7.5YR 4/6	None	SL
				12+	Refusal		
2. SUBCANOPY/ SAPLINGS							
<i>Acer rubrum</i>	FAC	30	*				
3. SHRUBS							
<i>Rubus occidentalis</i>	UPL	30	*				
<i>Rosa multiflora</i>	FACU	25	*				Soil Unit as Mapped (7): Quakertown silt loam, 2 to 6 percent slopes [QukB]
4. WOODY VINES							Drainage Class as Mapped: Well-Drained
<i>Celastrus orbiculatus</i>	FACU	10	*				Soil Classification as Mapped (8): Non-Hydric
<i>Vitis</i> sp.	NIS	5					Soil Classification of Sample (9): Non-Hydric
							HYDROLOGY
5. HERBACEOUS/TREE SEEDLINGS							Depth to Soil Saturation: N/A
<i>Lonicera japonica</i>	FACU	15	*				Depth to Standing Water (10): ND
<i>Carex</i> sp.	NIS	10					Ponding: No Flooding: No Other (11): N/A
<i>Rubus phoenicolasius</i>	FACU	5					Wetland Hydrology: Absent
<i>Allium vineale</i>	FACU	5					SUMMARY
<i>Agrimonia</i> sp.	NIS	5					
<i>Alliaria petiolata</i>	FACU	5					PHOTOGRAPH: F
							VEGETATION: Non-Hydrophytic
							SOILS: Non-Hydric
							HYDROLOGY: Absent
Community Type: Secondary Growth Upland Forest Edge							DETERMINATION: Upland
Classification (4) : Non-Hydrophytic							

NOTES:

- 1 Wetland Indicator Status according to Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region, Version 2.0, ed. J. S. Wakeley, R. W. Lichvar, C. V. Noble, J. F. Berkowitz.
- 2 NIS = not identified sufficiently to determine status. NL = not listed.
Value equals either basal area (canopy) or cover class (all other layers).
Braun-Blanquet Cover Scale (with midpoints):
T.....present, less than 1% (0)
1.....1 to 5 % (3.0) 5.....51 to 75% (63.0)
2.....6 to 15% (10.5) 6.....76 to 95% (85.5)
3.....16 to 25% (20.5) 7.....96 to 100% (98.0)
4.....26 to 50% (38.0)
* - denotes a dominant species at this station.
- 3 HYDROPHYTIC = dominated by >50% FAC, FACW, or OBL plant species.
NON-HYDROPHYTIC = dominated by >50% FACU or UPL plant species.
- 4 Munsell Soil Color Chart - hue value/chroma (Kollmorgen Corp., 1975).
- 5 USDA Soil Textures:
C....CLAY ch....CHANNERY
L....LOAM co....COBBLY
S....SAND gr....GRAVELLY
Si....SILT sh....SHALY
- 6 Soil mapping unit and drainage class as described in USDA SCS Soil Conservation Service soil surveys.
- 7 Classification of mapped soil unit according to USDA Hydric Soils List for New Jersey, latest revision January 1993.
- 8 Jurisdictional Wetlands (FICWD, 1989).
- 9 ND = no water observed to depth of sample.
- 10 I = hydrology inferred from soil profile.
D = drift lines, debris, water stained leaves.
M = morphological evidence (buttressing, hummocks, exposed roots, etc.).
O = organic surface accumulations.

SECTION #7

Request for Letter of Interpretation, Regulatory Line Verification
for a Portion of a Site

Trenton-Mercer Airport

Aircraft Rescue and Firefighting (ARFF) Station

Block 373, Portion of Lots 9 and 9.01

Ewing Township, Mercer County, New Jersey

ASGECI Project #4487

PHOTOGRAPHS WITH DESCRIPTIONS



Photo A – View, facing west-northwest, of an isolated palustrine emergent wetland (Wetland XX; Sample Station #1) in the western portion of the study area.



Photo B – View, facing southwest, of maintained upland lawn (Sample Station #2) in the western portion of the study area.



Photo C – View, facing southwest, of an isolated palustrine emergent wetland (Wetland YY; Sample Station #3) in the western portion of the study area.



Photo D – View, facing southeast, of maintained upland lawn (Sample Station #4) in the western portion of the study area.



Photo E – View, facing northeast, of a palustrine forested wetland (Wetland II, Sample Station #5) in the southern portion of the site.



Photo F – View, facing southwest, of upland forest (Sample Station #6) in the southern portion of the site.



Photo G – View, facing west, of maintained, upland lawn in the eastern portion of the site. No wetlands were identified at this location.



Photo H – View, facing north along Scotch Road, of maintained, upland lawn in the eastern portion of the site. No wetlands were identified at this location.



Photo I – View, facing west, of maintained, upland lawn in the northeastern portion of the site. No wetlands were identified at this location.

SECTION #8

Request for Letter of Interpretation, Regulatory Line Verification
for a Portion of a Site

Trenton-Mercer Airport

Aircraft Rescue and Firefighting (ARFF) Station

Block 373, Portion of Lots 9 and 9.01


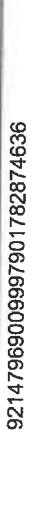
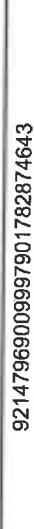







Ewing Township, Mercer County, New Jersey

ASGECI Project #4487

**PROOF OF NOTICE TO REQUIRED AGENCIES AND
PROPERTY OWNERS WITHIN 200 FEET OF LIMIT OF DISTURBANCE
(NOTIFICATION LETTERS AND LIST OF
PROPERTY OWNERS INCLUDED)**



92147969009997901782874629

	4487 D&R CANAL COMMISSION 33 RISLER STREET PO BOX 539 STOCKTON, NJ 08559	\$0.500	\$3.50						\$0.00	\$2.80
	4487 FIRST PRES CHURCH / PRESERVATION NJ PO BOX 7815 EWING, NJ 08628	\$0.500	\$3.50						\$0.00	\$2.80
	4487 GLEN ROC CO LLC 9 RISLER STREET STOCKTON, NJ 08559	\$0.500	\$3.50						\$0.00	\$2.80
	4487 ATTN: M VITALIANO JOHNSON & JOHNSON 1125 TRENTON-HARBOURTN RD. TITUSVILLE, NJ 08560	\$0.500	\$3.50						\$0.00	\$2.80
	4487 LINDEN SQUARE REALTY, LLC 2 GREYHOUND COURT KENDALL PARK, NJ 08824	\$0.500	\$3.50						\$0.00	\$2.80
	4487 MERCER COUNTY PLANNING BOARD MCDADE ADMINISTRATION BUILDING	\$0.500	\$3.50						\$0.00	\$2.80
	4487 MERCER COUNTY SOIL CONSERVATION 508 HUGHES DRIVE HAMILTON SQUARE, NJ 08690	\$0.500	\$3.50						\$0.00	\$2.80
	4487 MANAGER - CORPORATE PROPERTIES PUBLIC SERVICE ELECTRIC AND GAS COMPANY 80 PARK PLAZA, T6B	\$0.500	\$3.50						\$0.00	\$2.80
	4487 ROSS TRENTON LLC / SIGNATURE FLIGHT 18 WEST PIPER AVENUE EWING, NJ 08628	\$0.500	\$3.50						\$0.00	\$2.80
	4487 ROSS TRENTON LLC / SIGNATURE FLIGHT 18 WEST PIPER AVENUE EWING, NJ 08628	\$0.500	\$3.50						\$0.00	\$2.80

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4487
TOWNSHIP OF EWING
2 JAKE GARZIO DRIVE
EWING, NJ 08628

\$0.500

\$3.50

\$0.00

\$2.80

92147969009997901782874988



4487 MUNICIPAL CLERK
TOWNSHIP OF EWING
MUNICIPAL COMPLEX
2 JAKE GARZIO DRIVE
EWING, NJ 08628

\$3.50

\$0.00

\$2.80

Total Number of Pieces
Listed by Sender

29

Total Number of Pieces
Received at Post Office

POSTMASTER, PER (Name of Receiving Employee)

PS Form 3877, January 2017 (Page 1 of 2) Completed in Ink

PSN 7530-02-000-9098

Privacy Notice: For more information on USPS privacy policies, visit usps.com/privacypolicy.

14.5

Date: December 30, 2019

Re: NJDEP Letter of Interpretation, Regulatory Line Verification
for a Portion of a Site
Trenton-Mercer Airport
Aircraft Rescue and Firefighting (ARFF) Station
Block 373, Portion of Lots 9 and 9.01
Ewing Township, Mercer County, New Jersey

Applicant: Trenton-Mercer Airport
340 Scotch Road, Suite 200
Ewing, New Jersey 08628
Attn.: Melinda Montgomery, A.A.E., *Airport Manager*

Dear Ewing Township Clerk:

This letter is to notify you with legal notification that an application for a Letter of Interpretation has been submitted to the New Jersey Department of Environmental Protection (NJDEP), Division of Land Use Regulation under the *Freshwater Wetlands Protection Act Rules* (N.J.A.C. 7:7A) for the property shown on the enclosed plans. The approval will establish the boundary of freshwater wetlands on the above property.

Enclosed please find **one** copy of the NJDEP Letter of Interpretation Application package. Please retain a copy of the application package and public notice in the Municipal Clerk's Office for public review. Please note that this application package is also available for review at the NJDEP offices in Trenton during normal business hours by calling (609) 777-0456 to schedule an appointment.

The rules governing freshwater wetlands permits and approvals are found in the NJDEP's Freshwater Wetlands Protection Act Rules at N.J.A.C. 7:7A. You can view or download these rules on the NJDEP Division of Land Use Regulation website at <https://www.state.nj.us/dep/landuse/lawsregs.html>, or you can find a copy of these rules in the county law library in your county courthouse.

As part of the NJDEP's review of this application, NJDEP personnel may visit this project site, and the portion of any neighboring property that lies within a maximum of 150 feet of the site, to perform a site inspection. This site inspection will involve only a visual inspection and possibly minor soil borings using a 4" diameter hand auger. The inspection will not result in any damage to vegetation or to property improvements.

The NJDEP welcomes any comments that a person may have on this application. If a person wishes to comment on the application, comments should be submitted to the NJDEP *in writing* within 15 calendar days of receiving this letter. However, written comments will continue to be accepted until the NJDEP makes a decision on the application. Comments cannot be accepted by telephone. Comments should be submitted *in writing, along with a copy of this letter*, to:

New Jersey Department of Environmental Protection
Division of Land Use Regulation
P.O. Box 420, Mail code 501-02A
Trenton, New Jersey 08625-0420
Attn.: Ewing Township (Mercer County) Supervisor

When the NJDEP has decided whether or not this application qualifies for approval under the Freshwater Wetlands Protection Act Rules, the NJDEP will notify your office of the final decision on this application.

Sincerely,

Melinda Montgomery, A.A.E., *Airport Manager*
Trenton-Mercer Airport
340 Scotch Road, Suite 200
Ewing, New NJ 08628

Date: December 30, 2019

Re: NJDEP Letter of Interpretation, Regulatory Line Verification
for a Portion of a Site
Trenton-Mercer Airport
Aircraft Rescue and Firefighting (ARFF) Station
Block 373, Portion of Lots 9 and 9.01
Ewing Township, Mercer County, New Jersey

Applicant: Trenton-Mercer Airport
340 Scotch Road, Suite 200
Ewing, New Jersey 08628
Attn.: Melinda Montgomery, A.A.E., *Airport Manager*

Dear Interested Party:

This letter is to provide you with legal notification that Trenton-Mercer Airport is submitting an application for an approval to the New Jersey Department of Environmental Protection (NJDEP), Division of Land Use Regulation (DLUR) under the Freshwater Wetlands Protection Act Rules (N.J.A.C. 7:7A). The approval will establish the boundary of freshwater wetlands on the above property.

If you would like to inspect a copy of the permit application package, it is available on file at the Ewing Township Municipal Clerk's Office, or you can call the NJDEP at (609) 777-0456 to make an appointment to review the application at NJDEP offices in Trenton during normal business hours.

The rules governing freshwater wetlands permits and approvals are found in the NJDEP's Freshwater Wetlands Protection Act Rules at N.J.A.C. 7:7A. You can view or download these rules on the NJDEP Division of Land Use Regulation website at <https://www.state.nj.us/dep/landuse/lawsregs.html>, or you can find a copy of these rules in the county law library in your county courthouse.

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Division of Land Use Regulation
P.O. Box 420, Mail code 501-02A
Trenton, New Jersey 08625-0420
Attn.: Ewing Township (Mercer County) Supervisor

When the NJDEP has decided whether or not this application qualifies for approval under the Freshwater Wetlands Protection Act rules, the NJDEP will notify the municipal clerk of the final decision on this application.

Sincerely,

Melinda Montgomery, A.A.E., *Airport Manager*
Trenton-Mercer Airport
340 Scotch Road, Suite 200
Ewing, New NJ 08628

THE TOWNSHIP OF EWING

Municipal Complex
2 Lake Garzio Drive
Ewing, NJ 08628



Page 1 of 2
Phone: (609) 883-2900

APPLICANT'S NAME: _____ ADDRESS: Scotch Road

SECTION: 373 LOTS: 9 & 9.01 MAP PAGE: 63 & 64

ADJACENT PROPERTY OWNER LIST

BLOCK: ALL LOT: ALL

Sanoco Pipeline L.P.
Right of Way Dept.
Montello Complex
525 Franklin Road
Sinking Spring, PA 19608

Public Service Electric and Gas Company
Manager - Corporate Properties
80 Park Plaza, T&E
Newark, NJ 07102

D & R Canal Commission
33 Risler Street
PO Box 539
Blackton, NJ 08589-0539

Mercer County Planning Board
McDade Administration Building
640 South Broad Street, PO Box 8068
Trenton, NJ 08650

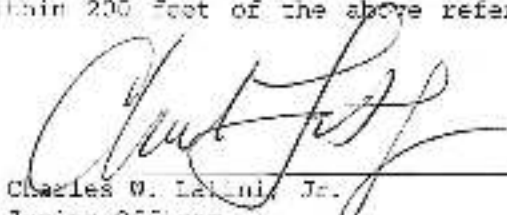
PROPERTY ID	PROPERTY LOCATION	CLASS	OWNERS NAME & ADDRESS
373 9.02	4 PITCAIRN AVE SIGNATURE FLIGHT	4A	ROSS TRENTON LLC / SIGNATURE FLIGHT 18 WEST PIPER AVENUE EWING, NJ 08628
373 9.03	AIRPORT	4A	JOHNSON & JOHNSON ATTN: M VITALIANO 1125 TRENTON-HARBOURTN RD TITUSVILLE, NJ 08550
373 10	AIRPORT	15C	COUNTY OF MERCER 1100 TERMINAL CIRCLE #310 EWING, NJ 08628
373 23	AIRPORT	15C	COUNTY OF MERCER 1100 TERMINAL CIRCLE #310 EWING, NJ 08628
374 1	UPPER FERRY RD	15C	COUNTY OF MERCER 640 SO BROAD STREET TRENTON, NJ 08650
374 2	301 UPPER FERRY RD BLUE DOT	2	SCRATCH ASSOCIATES LLC 299 UPPER FERRY RD EWING, NJ 08628
374 6	299 UPPER FERRY RD NEAR NATIONAL GUARD	2	SILVA GUARD INC. 299 UPPER FERRY RD EWING, NEW JERSEY 08628

December 5, 2019

PROPERTY ID	PROPERTY LOCATION	CLASS	OWNERS NAME & ADDRESS
365 2	101 SCOTCH RD	15E	FIRST PRES CHURCH/PRESERVATION NJ P.O. BOX 7815 EWING, NJ 08628
365 2.01	KYLE WAY SCOTCH RUN CONDOS	1	SCOTCH RUN CONDO/PINNACLE PROP MGMT P.O. BOX 1082 POINT PLEASANT BEACH, NJ 08742
366 1	SCOTCH RD	5A	CONSOLIDATED RAIL CORPORATION 1818 MARKET STREET PHILADELPHIA, PA. 19103
366 2	UPPER FERRY RD	15C	STATE OF NJ DEPT OF DEFENSE UPPER FERRY ROAD EWING, NJ 08618
368 5	JAKE GARZIO DR	15C	TOWNSHIP OF EWING 2 JAKE GARZIO DR EWING NJ 08628
368 5	172-252 SCOTCH RD GLEN ROC SHOP CTR	4A	GLEN ROC CO LLC 9 RISLER STREET STOCKTON, NJ 08559
369 1	RAILROAD	5A	CONSOLIDATED RAIL CORPORATION 1818 MARKET STREET PHILADELPHIA, PA. 19103
370 1	171-189 SCOTCH RD SCOTCH ROAD PLAZA	4A	LINDEN SQUARE REALTY, LLC 2 GREENWOOD COURT KENDALL PARK, NJ 08824
371 2	300 SCOTCH RD COUNTY GARAGE	15C	COUNTY OF MERCER 640 S BROAD ST TRENTON NJ 08650
371 2.01	340 SCOTCH RD AIRPORT CORP CENTER	4A	EZELES REAL ESTATE DEV. 2404 PARK DRIVE #402 HARRISBURG, PA 17110
372.01 4	AIRPORT	15C	COUNTY OF MERCER 1100 TERMINAL CIRCLE #310 EWING NJ 08628
373 7	AIRPORT CONTROL TOWER TRENTON-MERCER	15C	COUNTY OF MERCER 1100 TERMINAL CIRCLE-2301 EWING NJ 08628
373 8	AIRPORT	15C	COUNTY OF MERCER 1100 TERMINAL CIRCLE #310 EWING NJ 08628
373 8.01	AIRPORT SIGNATURE FLIGHT	4A	ROSS TRENTON LLC / SIGNATURE FLIGHT 18 WEST PIPER AVENUE EWING, NJ 08628
373 8.05	AIRPORT-MAINT BLDG #10 MAINT BLDG #10	15C	COUNTY OF MERCER-AIRPORT BLDG #10 1100 TERMINAL CIRCLE #301 EWING NJ 08628
373 8.06	10 GRUMMAN	15C	COUNTY OF MERCER 1100 TERMINAL CIRCLE #310 EWING, NJ 08628
373 9	AIRPORT	15C	COUNTY OF MERCER 1100 TERMINAL CIRCLE #310 EWING, NJ 08628
373 9.01	AIRPORT	15C	STATE OF NJ DEPT OF DEFENSE PO BOX 979 FISCAL DIV TRENTON NJ 08625

The undersigned, being the Administrative Officer of the Township of Ewing, as defined in N.J.S.A. 40:55D-3, hereby certifies that the above information constitutes the names and addresses of the owners of all properties within 200 feet of the above referenced property.

Dated: 12/5/19


Charles W. Lelani, Jr.
Zoning Officer

Form Rev. 11/2/15

SECTION #9

Request for Letter of Interpretation, Regulatory Line Verification
for a Portion of Trenton-Mercer Airport
Block 373, Portion of Lots 9 and 9.01
Ewing Township, Mercer County, New Jersey
ASGECI Project #4487

RESUMES OF PREPARER

Years Of Experience: 28

Education

- ⇒ M.F.A. Visual Art, Bennington College, 2002
- ⇒ B.S. Environmental Science, East Stroudsburg University, Stroudsburg, PA, 1984

Professional Affiliations

- ⇒ Society of Wetland Scientists, Certified Professional Wetland Scientist - 2012
- ⇒ Rutgers University Certified Wetland Delineator

Training

- ⇒ American Red Cross, Adult First Aid/CPR: September, 2012
- ⇒ Wetland Training Institute, Wetland Delineation Certification, 1990,
- ⇒ Rutgers University, NJDEP Endangered and Nongame Species Program Landscape Project Training, 2005;
- ⇒ Cook College, College of Continuing Professional Education Seminars, Rutgers - New Jersey Agricultural Experiment Station, Office of Continuing Professional Education:
 - Vegetation Identification for Wetland Delineation - South September 2011;
 - NJ Wetland Mitigation Planning Hydrologic Budget Manual Training, NJ Coastal Permit Seminar, 1993;
 - Hydric Soils of NJ, 1991;
 - Wetland Identification, 1990;
 - Geology and Hydrogeology of NJ Coastal Plains, 1989;
 - NJ Freshwater Wetlands Permit Seminar, 1989;
 - Geology and Hydrogeology of Northern New Jersey, 1988;
 - New Flood Hazard Area Control Act Rules, November 2008;
 - Vegetation Identification for Wetland Delineation - South, September 2011
- ⇒ NJ Wetlands Manual Training Workshop, August 2008,
- ⇒ NJ Transit Operators / Contractors Safety Orientation, 2005;

KEY QUALIFICATIONS

Mr. Macholdt is a Society of Wetland Scientists Certified Professional Wetland Scientist and has extensive experience in management and performance of environmental studies including wetland delineation, wetland permitting, wetland mitigation design, endangered and threatened species surveys, hydrologic and soils investigations, wildlife studies, environmentally sensitive areas mapping, habitat restoration and environmental impact assessment. Mr. Macholdt has been a member of teams performing phase I bog turtle surveys and phase II bog turtle surveys and surveys for listed vegetative endangered and threatened species in New Jersey and New York. He has extensive experience in preparation of State and Federal environmental permit applications including NJDEP Freshwater and Coastal Wetlands Permits; Wetland Transition Area Waivers; Flood Hazard Area Permits; Waterfront Development Permits; NJ Pinelands Public Development Approval; USACE Section 10/404 wetland permits; and PADEP Section 105 Wetlands Permits. Mr. Macholdt is experienced in interaction and consultation with regulatory and resource protection agencies including NJDEP, PADEP, USACE, USFWS, NMFS, NPS, and others.

RELEVANT EXPERIENCE

Route 206 Over Assiscunk Creek Bridge Replacement, Mansfield & Springfield Townships, Burlington County, NJ. New Jersey Department of Transportation/ Vollmer Associates, LLP. Project Manager responsible for wetland delineation and documentation and preparation of Wetland Delineation Report for the project site. Project also includes Section 7 Consultation with US Fish and Wildlife Service due to the potential presence of bog turtle within the project limits. Project also includes consultation with Burlington County for use of restricted farmlands within the project limits.

Newburgh Road Bridge #140-196 over Musconetcong River, Washington Township, Morris County and Mansfield Township, Warren County, NJ. Morris County Engineers/Cherry, Weber & Associates. Project Manager for bridge replacement and improvements to the approaching roadways. ASGECI performed a detailed wetland delineation, environmental review of project alternatives and preparation of the Ecology and Permits sections of the *National Environmental Policy Act* (NEPA) Categorical Exclusion Documentation (CED) with input from the Cherry, Weber and Associates team. A Phase I Bog Turtle Habitat Survey was performed. Prepared successful permit applications for NJDEP Freshwater Wetlands General Permits No. 10A, for minor roadway crossings and a Flood Hazard Area Individual Permit.

GSP Interchange Improvements/Interchange 141 to 157; Multiple Cities, Townships, and Boroughs; Bergen, Essex, Passaic, and Union Counties, NJ New Jersey Turnpike Authority/Greenman Pedersen, Inc. Project Manager responsible for field investigations, wetland/open water delineations, evaluation of endangered and threatened species habitat, and environmental permitting for the project. Prepared applications for NJDEP Freshwater Wetlands General Permits and Flood Hazard Area Permits to authorize for Interchange Improvements. Obtained verification from NJDEP regarding the applicability of NJ EO 215. It was determined that several of the projects were exempt from

Training (cont.)

- ⇒ NJ Turnpike Authority Traffic Safety Training Class, 2012,
- ⇒ MTA Metro-North Railroad Roadway Worker Procedures for Conductor Flags/Contract Employees, 2004

preparation of an EA or EIS under Executive Order 215. Prepared an Environmental Assessment under EO 215 for Interchange 154-155P. Also responsible for coordination of environmental project team performance of Phase 1 Site Assessments for Hazardous Waste, Air Quality and Noise Analyses, Cultural Resources Surveys and public outreach under EO 172. A Phase I Bog Turtle Habitat Survey and report was prepared for Interchange 141.

Reconstruction of County Route 530, Manchester Township, Ocean County, NJ Ocean County Engineering Department. Project Manager responsible for the performance of a wetland delineation, rare plant species habitat assessments, and preparation of NJ Pinelands Commission Public Development Approval (PDA) for which habitat assessments were performed to determine the presence/absence of threatened and/or endangered plant species within the project area. Habitat assessment and a plant survey for the pinelands listed endangered plant, sickle-leaved golden aster was performed and concluded that sickle-leaved golden aster was not located within proposed project activity areas. Pinelands PDA received in March 2010.

Statewide Park and Ride Studies - South, Washington Township, Gloucester County, NJ as part of an On-call services agreement. New Jersey Department of Transportation/Orth-Rodgers & Associates, Inc. Project Manager responsible for the performance of preliminary environmental assessments of proposed park and ride sites including field investigations for the presence of wetlands, identification of floodplains, and the identification of the potential for the presence of threatened and/or endangered species. The assessments also included evaluation of site feasibility with regard to compliance with NJDEP wetlands permitting requirements and potential impacts on endangered and threatened species habitat.

Long Valley Bypass, Washington Township, Morris County, NJ. Morris County Engineering Department/ Orth-Rodgers & Associates. Project Manager responsible for the preparation of an Environmental Feasibility Study for bypass construction including construction of roadway and bridge over South Branch Raritan River. The study included impact analysis on wetlands, endangered and threatened species, vegetation and wildlife, floodplains, surface water resources, aquifer recharge areas, and identification of permitting requirements.

Proposed Department of Public Works/Police Site, Delaware Township, Hunterdon County, NJ. Delaware Township Committee. Project Manager responsible for performing a preliminary environmental screening of the study area including a preliminary wetland investigation of the property. Resources identified in the screening include wetlands, wetland transition areas, streams, floodplains, riparian zones, and endangered and threatened species habitat. Prepared a letter report of our findings including an assessment of environmental permitting feasibility for the proposed modular police station and storage facilities.

Pine Brook Greenway Study, Borough of Tinton Falls, Monmouth County, NJ. Borough of Tinton Falls/Viridian Incorporated. The project involved a screening study of a portion of the Pine Brook stream corridor in Tinton Falls Borough. Project Manager responsible for evaluation of the presence of wetlands, open waters, and endangered and threatened (E&T) species within the Pine Brook stream corridor. As part of the study, a report was prepared that discussed vegetation, wetlands, and open waters observed along the stream corridor. No E&T species were identified in the areas investigated along the stream corridor.

Municipal Area Residential Bus Shuttle Park & Ride; South Brunswick Township, Middlesex County, NJ. New Jersey Transit/South Brunswick. Project Manager responsible for performance of field investigations to identify the extent of wetlands and wetland transition areas and to evaluate the project area for Indiana bat habitat. The project included preparation of sections of a Categorical Exclusion Document in accordance with NEPA requirements.



Years Of Experience: 15

Education

- B.S. Animal Biotechnology and Conservation, Delaware Valley College, Doylestown, PA, 2005

Training

- USEPA Hazardous Materials Incident Response Operations Training Course, 40 hrs, July 2005;
- Confined Space Entry, 8 hrs, November 2005;
- OSHA Site Safety Officer, 8 hrs, March 2006;
- OSHA 8 Hour HAZWOPER refresher: 2006, 2007, 2008, 2009; 2010, 2011, 2012, 2013, 2014; 2015, 2016.
- NJ Boating Safety Certificate 2010
- Cook College Continuing Education, Rutgers Univ: Introduction to Wetland Identification, October 2005; Groundwater in Fractured Bedrock, Cook College Continuing Professional Education, March 2006; Endangered & Threatened Species of Northern NJ, March 2007;
- NJ Transit Safety Training and Roadway Worker Safety, 12/06, 4/11, 6/12, 8/13;
- AMTRAK Contractor Safety Training, May 2007, October 2010, and July 2013;
- Cook College Continuing Education, Rutgers Univ Vegetation ID for Wetland Delineation – North, July 2007;
- Cook College Continuing Education, Rutgers Univ Methodologies for Delineating Wetlands, October 2007;
- Certified Wetland Delineator, October 2007, Rutgers State University, Cook College;
- Coastal Project Review, April 2008;
- NJ Wetlands Manual Training Workshop, August 2008, Rutgers – New Jersey Agricultural Experiment Station, Office of Continuing Professional Education.
- Ecological Risk Assessment: Practices and Protocols, Rutgers, The New Jersey Agricultural Experiment Station, Office of Continuing Education, March

KEY QUALIFICATIONS

Ms. LaStella has experience in performing environmental and ecological investigations and preparing environmental documentation and permit applications. She has performed wetland delineations; prepared applications for wetlands and other environmental permits; conducted surveys for endangered and threatened species; provided oversight of wetland mitigation plantings; and conducted post construction monitoring of wetland mitigation sites. She has prepared environmental screening reports and Categorical Exclusion Documentation for State and Federally funded projects in accordance with FHWA NEPA requirements. She has inventoried environmentally sensitive resources to identify potential receptors of contamination as part of Baseline Ecological Evaluations. She has performed Phase I environmental site assessments for transportation projects and residential, agricultural, commercial and industrial properties and prepared environmental site assessment reports, which included records reconnaissance and review of historical aerials, topographic and Sanborn maps. She has also provided oversight of remedial investigation and remedial action projects, which included preparation of NJDEP technical reports such as Site Investigation, Preliminary Assessment, Remedial Action, and Remedial Investigation Reports. She has performed underground storage tank investigation, decommissioning and compliance, and designed, assisted and performed oversight of soil boring and test pitting studies. Ms. LaStella has performed the duties of Site Safety Officer of contaminated construction sites, including preparation, instruction and enforcement of a Health and Safety Plan. She also prepared a Health & Safety Program Manual, Drug and Alcohol Policy, and Hazard Communication Program for ASGECI.

Ms. LaStella has volunteered her time to assist with early and late season bog turtle investigations of calcareous fens in Sussex County, New Jersey. She has also volunteered with the Wildlife Conservation Corps and the Endangered and Non-Game Species Program to assist with Great Blue Heron Surveys in Hunterdon County, New Jersey. Ms. LaStella received an award (April 2008) for contributing over 500 hours of volunteer service to Great Swamp National Wildlife Refuge in Basking Ridge, New Jersey.

RELEVANT EXPERIENCE

NJDOT / Jacobs Civil Inc. / Route 7, Section 2, Wittpenn Bridge over the Hackensack River / Township of Kearny and City of Jersey City, Hudson County, New Jersey – Environmental Scientist assisting with the preparation of an NJDEP Individual Freshwater Wetlands/Open Water Fill Permit and Waterfront Development Permit for the replacement of the Route 7, Wittpenn Bridge over the Hackensack River. Services were performed in accordance with the NJDOT Procedures Manual and Capital Projects Delivery Process. Senior Environmental Scientist also responsible for the preparation for an Essential Fish Habitat Assessment to comply with NJDEP Coastal Zone Management Rules.

Golder Associates, Inc. / Caldwell Trucking Company Superfund Site / Fairfield Township, Essex County, New Jersey – Senior Environmental Scientist responsible for assisting with the delineation of freshwater wetlands and State open waters on a superfund site. Senior Environmental Scientist also assisted with the preparation of an NJDEP General Permit #4 Equivalency Permit Application to authorize remedial investigation activities within freshwater wetlands. Senior Environmental Scientist also responsible for coordinating with Golder Associates on the development of a Planting Plan.

Training Cont.

- ⇒ Refuge Comprehensive Conservation Planning WLD2126, National Conservation Training Center, USFWS, 2010
- ⇒ Waste Site Evaluation Refresher Training, PennDOT, March 2011
- ⇒ Wind Energy and Wildlife Forum, Maine Chapter for the Wildlife Society, May 2011
- ⇒ First Aid and CPR, September 2012
- ⇒ Wetland Sedges, Grasses and Rushes, The Swamp School, June 26, 2013
- ⇒ Northeast Bat Working Group, 2014 Annual Meeting, Jan. 2014
- ⇒ Grassland Bird Conservation in Northeast Haylands and Pasturelands, USDA Natural Resources Conservation Service, Jan. 2014

Installation of Variable Message Signs at New and Existing Locations on the Garden State Parkway, Various Municipalities, Various Counties, NJ. NJ Turnpike Authority/Arora & Associates, P.C. Senior Environmental Scientist responsible for the field investigation and wetland delineation of State open waters and wetlands at numerous locations along the Garden State Parkway between Mileposts (MP) 5 to 172. Also responsible for GPS data collection of wetland flags and top of bank points for identification of riparian zones at select locations utilizing a Trimble GPS unit. Responsible for determining permitting requirements for the construction of Variable Message Signs, underground conduit, and attendant features under the NJDEP Freshwater Wetlands Protection Act Rules, Coastal Zone Management Rules, and Flood Hazard Area Control Act (FHACA) Rules. Responsible for the preparation of NJDEP Freshwater Wetlands General Permit, NJDEP FHACA Permit-by-Rule Notifications and a Phase B Environmental Report in accordance with the New Jersey Turnpike Authority Procedures Manual. Field investigations and permit preparations were performed under a strict time constraints.

Monmouth County Engineering Department and French & Parrello Associates, P.A. / Reconstruction of Monmouth County Bridge S-17 (Hubbard Bridge) County Route 10 (West Front Street) over Swimming River / Middletown Township & Red Bank Borough, Monmouth County, New Jersey – Senior Environmental Scientist responsible for the preparation of applications for USACE Preconstruction Notification and Section 404/10 Nationwide Wetlands Permit #23 and a NJDEP Waterfront Development Permit and Coastal Wetlands (1970) Permit for the

Monmouth County Bridge S-17 reconstruction project. Also responsible for the preparation of an Essential Fish Habitat Evaluation pursuant to USACE and National Marine Fisheries Service requirements.

NJDOT and Arora & Associates, P.C. / Route 35 Matawan Creek Laurence Harbor Parkway / Aberdeen Township, Monmouth County and Old Bridge Township, Middlesex County, New Jersey – Senior Environmental Scientist responsible for the preparation of applications for a NJDEP Coastal Areas Facility Review Act (CAFRA) Permit, Waterfront Development Permit, and Coastal Wetland General Permit for the Route 35 roadway and drainage improvement project.

EnviroGroup Limited and Diamond Chemical Company, Inc. / Diamond Chemical Company / East Rutherford Borough, Bergen County, New Jersey – Senior Environmental Scientist assisting with the delineation of wetlands along onsite tidal ditches. Environmental Scientist responsible for the preparation of an NJDEP Freshwater Wetlands General Permit #4 and Waterfront Development Permit and an USACE Section 404/10 Nationwide Permit #38 for the remediation and capping of the onsite tidal ditches. Environmental Scientist also responsible for conducting a tree survey, where trees greater than 5" Diameter at Breast Height (DBH) were inventoried and located with a Trimble GPS.

Kinnelon Borough Board of Education / Kinnelon High School Expansion/ Kinnelon Borough, Morris County, New Jersey – Environmental Scientist responsible for preparation of a Highlands Applicability and Water Quality Management Plan Consistency Determination Application for submission to NJDEP Division of Watershed Management for the construction of a high school addition and associated parking lot. Also prepared an application for a NJDEP Freshwater Wetlands General Permit #10A for access road construction. The project has been constructed.

Medina Consultants / Route 206 – Peapack Brook, MP 80.55 / Peapack & Gladstone Borough, Somerset County, New Jersey – Environmental Scientist assisting with wetlands delineation and the preparation of an NJDEP Emergency General Permit #20A for slope stabilization of Route 206 and Peapack Brook. Work was performed as part of an open-end contract with NJDOT for emergency services.

New York State Department of Environmental Protection / PB Americas, Inc. / NY 27 Operational Performance Study / Township of Brookhaven, Suffolk County, Long Island, New York - Senior Environmental Scientist responsible for conducting environmental resource screening of an approximate 11.5-mile long by an approximate 5-mile wide study area for improvements to the Sunrise Highway (NY 27). Resources include wetlands, floodplains, forests, parklands, streams/waterbodies, and other cultural resources. Also responsible for the preparation of an Inventory of Natural Resources Report.



LIZ DANCER

Environmental Scientist

Years of Experience: 10.50

Education

- ⇒ P.S.M.. Environmental Science, Stockton University. Galloway Twp, NJ. 2014-2016.
- ⇒ B.S. Conservation & Wildlife Management, Delaware Valley University. Doylestown, PA. 2007-2010.

Certifications updated 11-20-19

- ⇒ OSHA 40-Hour HAZWOPER, November 2017
- ⇒ OSHA 8-Hour Refresher Training, 2018
- ⇒ First Aid and CPR, American Red Cross, Aug. 2018
- ⇒ TWIC, Jan. 2018
- ⇒ NJ Licensed Pesticide Applicator, 2019-2020

Training updated 8-28-19

- ⇒ Basic applied GIS
- ⇒ Wetlands Vegetation Identification: North (Rutgers Continuing Education: Wetland Delineation Series), 2016
- ⇒ GPS, map, compass navigation
- ⇒ Bird species identification
- ⇒ Marsh vegetation identification
- ⇒ Motorboat Operator Certification Course
- ⇒ Technical writing
- ⇒ ATV certification
- ⇒ PADI Diver certification
- ⇒ JS-US007 Level I Antiterrorism Awareness Training, Joint Chiefs of Staff, December 2016
- ⇒ HAZWOPER Defensive Driving & Fire Safety Training, March 2017
- ⇒ The Rutgers University Wetland Delineation Certificate Series, The New Jersey Agricultural Experiment Station Office of Continuing Professional Education, Fall 2017
- ⇒ NJDOT Permits/NJDEP Regulations: Flood Hazard Area Control Permits – Module 1: What is Regulated? ACECNJ & NJDOT, September 2017

KEY QUALIFICATIONS

Ms. Dancer has extensive experience in performance of ecological surveys in New Jersey, New York, Pennsylvania, and other states. She is experienced in wetland delineation, endangered and threatened species surveys, environmental impact analysis, preparation of state NJDEP and federal USACE environmental permit applications, and wetland mitigation site construction and post construction monitoring. Ms. Dancer has performed wetland delineations utilizing the routine methodology outlined in the *Federal Manual for Identifying and Delineating Jurisdictional Wetlands (1989)*, as required by the NJDEP, as well as the *1987 USACE Manual for Delineating Jurisdictional Wetlands*, as required by the USACE. Ms. Dancer has prepared and submitted applications to NJDEP for Letters of Interpretation, Freshwater Wetlands General Permits, Coastal Wetlands/Waterfront Development Individual Permits, Water Quality Certifications, and Coastal Zone Consistency Determinations. She has also prepared and submitted Per-construction Notifications to USACE for Nationwide Permits as well as applications for Jurisdictional Determinations. Ms. Dancer has prepared environmental impact statements (EIS's) in accordance with municipal regulations.

RELEVANT EXPERIENCE

(#4524) Former Aircor Research Facility Remediation/676 Howard Avenue, Somerset Township, Somerset County, NJ. *Greenstar Solutions, LLC.* Ms. Dancer assisted with a wetland investigation for the entire site, which is proposed for groundwater remediation activities, including the installation of extraction wells, the construction of a treatment building, and expansion of an existing onsite infiltration gallery.

(#4421) Dimension Energy – Deptford CSG 2 LLC (Shisler Site), Deptford Township, Gloucester County, NJ. *Dimension Energy, LLC.* Ms. Dancer prepared the draft NJDEP Letter of Interpretation Regulatory Line Verification application and municipal environmental impact statement for the site, a proposed solar facility.

(#4454) Dimension Energy- Montgomery CSG LLC (Brennan Site), Montgomery Township, Somerset County, NJ. *Dimension Energy, LLC.* Ms. Dancer assisted with performing the wetland delineation on the site, a proposed solar facility. She also prepared the municipal environmental impact statement and NJDEP Letter of Interpretation Regulatory Line Verification application for the site.

(#4348) Staten Island North Shore Bus Rapid Transit, Borough of Staten Island, Richmond County, NY. *NYC Transit Authority, VHB/STV North Shore Joint Venture.* Assisted with wetland delineation, wetland delineation report, and USACE Jurisdictional Determination application in support of a proposed bus-lane development.

(#4084) ExxonMobil Bayway Refinery Complex, City of Linden, Union County, NJ. *Kleinfelder.* Ms. Dancer assisted with wetland delineations on a former landfill site within the Bayway Refinery Complex. Ms. Dancer also prepared US Army Corps of Engineers Jurisdictional Determination requests and NJDEP Letter of Interpretation Regulatory Line Verification applications for two parcels on the site.

(#3785) Monmouth County Reconstruction of Bridge S-32 Rumson Road (CR 520) over Shrewsbury River, Boroughs of Rumson and Sea Bright, Monmouth County, NJ. *Monmouth County Division of Engineering/Hardesty & Hanover, LLP.* Ms. Dancer prepared USACE nationwide permit pre-construction notifications (#7 & #15), a CAFRA/Waterfront Development Individual Permit application, and Freshwater Wetlands general permits (#10B, #11, and #17) in support of the proposed bridge replacement project. Ms. Dancer also prepared the Essential Fish Habitat (EFH) materials and draft NMFS ESA letter for the project.

(#4364) Solar Project- Naval Weapons Station Earle, Tinton Falls Borough, Monmouth County, NJ. *U.S. Navy/The Conti Group.* Ms. Dancer assisted with a wetland delineation of the project area in support of obtaining a Letter of Interpretation- Regulatory Line Verification (LOI-RLV) for the property.

(#4347) School Heights Village, Londonderry Township, Dauphin County, PA. *Core5.* Ms. Dancer assisted with a site-wide wetland and drainage feature delineation.

(#4315) Borne Chemical Company Site, City of Elizabeth, Union County, NJ. *Golder Associates, Inc.* Ms. Dancer assisted with the wetland delineation and riparian zone evaluation for the site, which is proposed for remediation, and prepared the delineation report. Ms. Dancer participated in the subsequent reevaluation of onsite wetlands in August 2019 using USACE methodologies and prepared an updated letter of findings.

(4296) Reconstruction of Bridge S-26 on County Route 33 over Town Neck Creek, Borough of Little Silver, Monmouth County, NJ. *Monmouth County/KS Engineers, P.C.* ASGECI provided wetland delineation and permitting services to the proposed replacement of the S-26 Bridge over Town Neck Creek. Ms. Dancer assisted with the wetland delineation and prepared applications for a NJDEP Freshwater Wetlands General Permit 10A (very minor road crossing), a Coastal Wetlands/Waterfront Development Individual Permit, and a US Army Corps of Engineers Nationwide Permit #3 Pre-construction Notification (for maintenance).

(4282) Former Amcor Tube Draw & Vial & Ampule Site, Millville City, Cumberland County, NJ. *Golder Associates, Inc.* Ms. Dancer prepared a draft NJDEP LOI Regulatory Line Verification application for the site, which is proposed for remediation.

(#4149) Avalon Boulevard Bridge Repairs, Middle Township, Cape May County, NJ. *Cape May County Department of Public Works/GPI.* Ms. Dancer assisted with the wetland delineation and T&E habitat assessment in support of the proposed repairs to the Avalon Boulevard Bridge. Ms. Dancer also prepared existing conditions memo to be used in preparing permit applications, including NJDEP Waterfront Development Permit and USACE Nationwide Permit Section 404/10 #3 Preconstruction Notification.

(#4129) Cape May County Landis Avenue (CR619), Sea Isle City, Cape May County, NJ. *Cape May County/GPI.* Ms. Dancer assisted with the wetland delineation and Threatened and Endangered Species habitat assessments of CR619 and outfall work areas proposed for improvements. Ms. Dancer also prepared existing conditions memos, generated USFWS IPaC reports, and assisted with preparing permit applications for the project, including NJDEP Freshwater Wetlands General Permits #1 & #11; NJDEP Waterfront Development Permit, 401 Water Quality Certification & Coastal Zone Consistency Determination Application; and USACE NWP #7 Preconstruction Notification.



(#4075) Wetlands Consulting Services at Merck Facility, Readington Township, Hunterdon County, NJ. *Merck/Environmental Resource Management, Inc.* Ms. Dancer participated in a site-wide wetland delineation and the subsequent wetland line verification with NJDEP.

(#4065) Fort Dix Photovoltaic Carport, Springfield Township and Wrightstown Borough, Burlington County, NJ. *New Jersey Department of Military and Veterans Affairs/PARS Environmental.* Ms. Dancer assisted with the onsite wetland delineation, prepared Line Verification LOI application materials, and prepared the Pinelands Development Application in support of a proposed photovoltaic carport facility within the Fort Dix facility.

(#4038) GSA Sea Girt NGTC INRMP Services/NJARNG, Sea Girt Borough, Monmouth County, NJ. *GSA/US Property & Fiscal Office NJ/New Jersey Army National Guard (NJARNG).* Ms. Dancer prepared applications for NJDEP Freshwater Wetlands General Permits (GPs) #16 & #17, CAFRA GP #24, CAFRA Individual Permit Modification, and USACE Nationwide Permits #27 & #42 in support of activities proposed under the Freshwater Wetlands and Coastal Habitat Enhancement Plan prepared by ASGECI for the site.

(#3888) Spring Lake/330 Second Street, Borough of Spring Lake, Monmouth County, NJ. *Dr. Patrick O'Connor, Jr.* Ms. Dancer assisted with the preparation of transition area waiver application for a proposed single-family home and driveway. An NJDEP Letter of Interpretation was issued for the site and it was determined that the proposed development would impact onsite wetland transition area. As the lot size was too small to accommodate wetlands transition area averaging, a Freshwater Wetlands Transition Area Waiver (TAW) using the scientific documentation method in accordance with N.J.A.C. 7:7A-6.1(d) was proposed. This proposal included enhancing the portion of transition area to remain undisturbed by the project.

(#3796) Newark Bay-Hudson County Extension, Jersey City, Hudson County, NJ. (BR). *NJTA/GPI.* Ms. Dancer assisted with the wetland delineation for the for the proposed Newark Bay-Hudson County Extension bridge deck reconstruction and a portion of the existing Interchange 14C toll plaza.

(#1765A) Azzolina Property, Middletown Township, Monmouth County, NJ. *Food Circus Super Markets, Inc.* An LOI-Regulatory Line Verification was previously issued for the site and the property owner had relied on the intermediate resource value classification of onsite wetlands and proceeded forward with the understanding that there was a developable section of land available to construct a viable project in accordance with applicable NJDEP regulations. A new LOI was requested to verify the jurisdictional limits of freshwater wetlands and resource value classification. Ms. Dancer prepared the LOI extension application and accompanying materials.



YEARS OF EXPERIENCE: 25

EDUCATION:

M.S., Environmental Education, Lesley University, Cambridge, Massachusetts, 1991.

B.S., Biology, Saint Andrews Presbyterian College, Laurinburg, North Carolina, 1987.

CERTIFICATIONS and TRAINING

40-Hour OSHA HAZWOPER, September 8, 2003. Threatened and Endangered Species of Northern New Jersey, Rutgers University, Cook College, NJ, 2003. Wetland Delineation Series: Methodology for Delineating Wetlands, Hydric Soils, Wetland Delineator Program, Rutgers University, Cook College, NJ, 2003. Transit/Rail Safety Training: MTA Metro-North Railroad, October 29, 2003 and October 26, 2005; NJ Transit, November 11, 2003 and April 5, 2005; Conrail, December 9, 2003 and October 5, 2004. Threatened and Endangered Species of Southern New Jersey, Rutgers University, Cook College, NJ, 2004. OSHA HAZWOPER 8-Hour Refresher, annually through April 1, 2019.

KEY QUALIFICATIONS

Mr. DeVane has an extensive and varied background as a naturalist. As Project Manager at ASGECI he performs wetland delineations, vegetation and wildlife surveys, including endangered and threatened species surveys, and prepares wetland and other environmental permit applications. He also prepared Environmental Impact Statements in accordance with state and federal requirements. He has organized and taught numerous courses at many levels, including teacher education and College courses. Topics Mr. DeVane has taught include: basic natural history and ecology, ornithology, nature writing, Delaware River natural and cultural history, water quality monitoring, and avian population surveying. Mr. DeVane has prepared lectures, power point presentations, slide shows and exhibits for public meetings and seminars.

RELEVANT EXPERIENCE

Somerset County Department of Engineering/Maguire Group, Inc. Grove Street Bridge over Stony Brook. Bridgewater Township, Somerset County, New Jersey. Environmental Scientist responsible for arranging and attending pre-application meeting with New Jersey Department of Environmental Protection to clarify permitting requirements for the project. Responsible for preparation of Freshwater Wetland General Permit and environmental components of Stream Encroachment Permit applications to NJDEP for the bridge replacement project. Permits were successfully issued.

Monmouth County/HNTB Corporation. Monmouth County Bridge O-11. Allenhurst Borough, Monmouth County, New Jersey. Environmental Scientist responsible for communicating with engineer and preparing General Permit #10A and Waterfront Development Permit.

New Jersey Department of Transportation/Vollmer Associates. Sanatorium Road Bridge over Spruce Run. Glen Gardner Borough, Hunterdon County, New Jersey. Environmental Scientist responsible for attending meetings, communicating with engineer, and preparation of application for wetlands General Permit numbers 2, 10A, 11, 21 and 25, and environmental report for stream encroachment application for the bridge replacement. The Spruce Run stream is a Category 1 Trout Production Water. Permits issued 11-18-04. Also, provided native plant list for restoration plan.

New Jersey Department of Transportation/French & Parrello Associates, P.A. Route 46 over Tributary to the Delaware River, Bridge Replacement; Drainage and Roadway Improvements. Township of Knowlton, Warren County, New Jersey. Environmental Scientist responsible for communicating with engineer and making edits to the general permit and stream encroachment permit application and making final submission to NJDEP. The permit was successfully issued.

New Jersey Department of Transportation/Arora and Associates, P.C. Bridge Scour Countermeasure Project—Bergen, Morris, Passaic, and Sussex Counties, New Jersey. Environmental Scientist responsible for communicating with agencies, researching and documenting ecological resources, creating and updating checklists in preparation for field work. Performed wetland delineations and surveyed for threatened and endangered species at numerous bridge scour project sites. Assisted preparing applications for NJDEP Freshwater Wetlands, Stream Encroachment and Waterfront Development Permit and USACOE Section 404 Wetlands Permit. Performed bog turtle surveys in accordance with USFWS protocol under the Federal Endangered Species Act.

New Jersey Department of Transportation/Arora and Associates, P.C. Cheterfield-Sykesville Road Bridge over Black's Creek, Burlington County, New Jersey. Environmental Scientist responsible for delineating wetlands and writing wetland delineation report in preparation of permit application. Wetland Delineation was performed in accordance with NJ Freshwater Wetlands Protection Act Rules. Also communicated with regulatory agencies and engineers while preparing General Wetlands Permit numbers 7, 10A, 11 and 21 Applications. The permits were successfully issued.

New Jersey Department of Transportation/Cherry, Weber & Associates, P.C. Route 206 Drainage Improvements, Southampton Township, Burlington County, New Jersey. Environmental Scientist responsible for delineating wetlands through analysis of flora, hydrology, and soils in accordance with NJDEP requirements under the Freshwater Wetland Protection Act and the Pinelands Commission Manual; prepared and submitted General Permits and Pinelands Public Development Approval applications.

New Jersey Department of Transportation/Cherry, Weber & Associates, P.C. Route 10 Drainage Improvements, Hanover Township, Morris County, New Jersey. Environmental Scientist responsible for preparing and submitting General Permits and the Environmental Report for the Stream Encroachment Permit applications.

New Jersey Department of Transportation/Cherry, Weber & Associates, P.C. Route 181 Drainage Improvements, Sparta Township, Sussex County, New Jersey. Environmental Scientist responsible for communicating with engineer and NJDOT and preparing and submitting NJDEP Freshwater Wetland General Permit application numbers 10A and 11 and the Environmental Report for the Stream Encroachment Permit. The permits were successfully issued.

Consolidated Rail Corporation (Conrail)/Jacobs Civil, Inc. North Jersey Terminal Capacity Improvement Project, Chemical Coast, City of Elizabeth, Union County, New Jersey. Environmental Scientist responsible for delineating wetlands through analysis of flora, hydrology, and soils. Also prepare LOI and JD for US Army Corps of Engineers as well as NJDEP General Permit #10B/Transition Area Waiver and Nationwide Permit #14. The permits were successfully issued.



SECTION #10

Request for Letter of Interpretation, Regulatory Line Verification
for a Portion of Trenton-Mercer Airport
Block 373, Portion of Lots 9 and 9.01
Ewing Township, Mercer County, New Jersey
ASGECI Project #4487

**WETLANDS DELINEATION PLAN
(BACK POCKET)**

Plan Entitled:

“Wetlands Delineation Plan
For
Trenton-Mercer Airport
Block 373, Part of Lot 9 and Lot 9.01
Situated in
Ewing Township, Mercer County, New Jersey”

Consisting of Sheets:

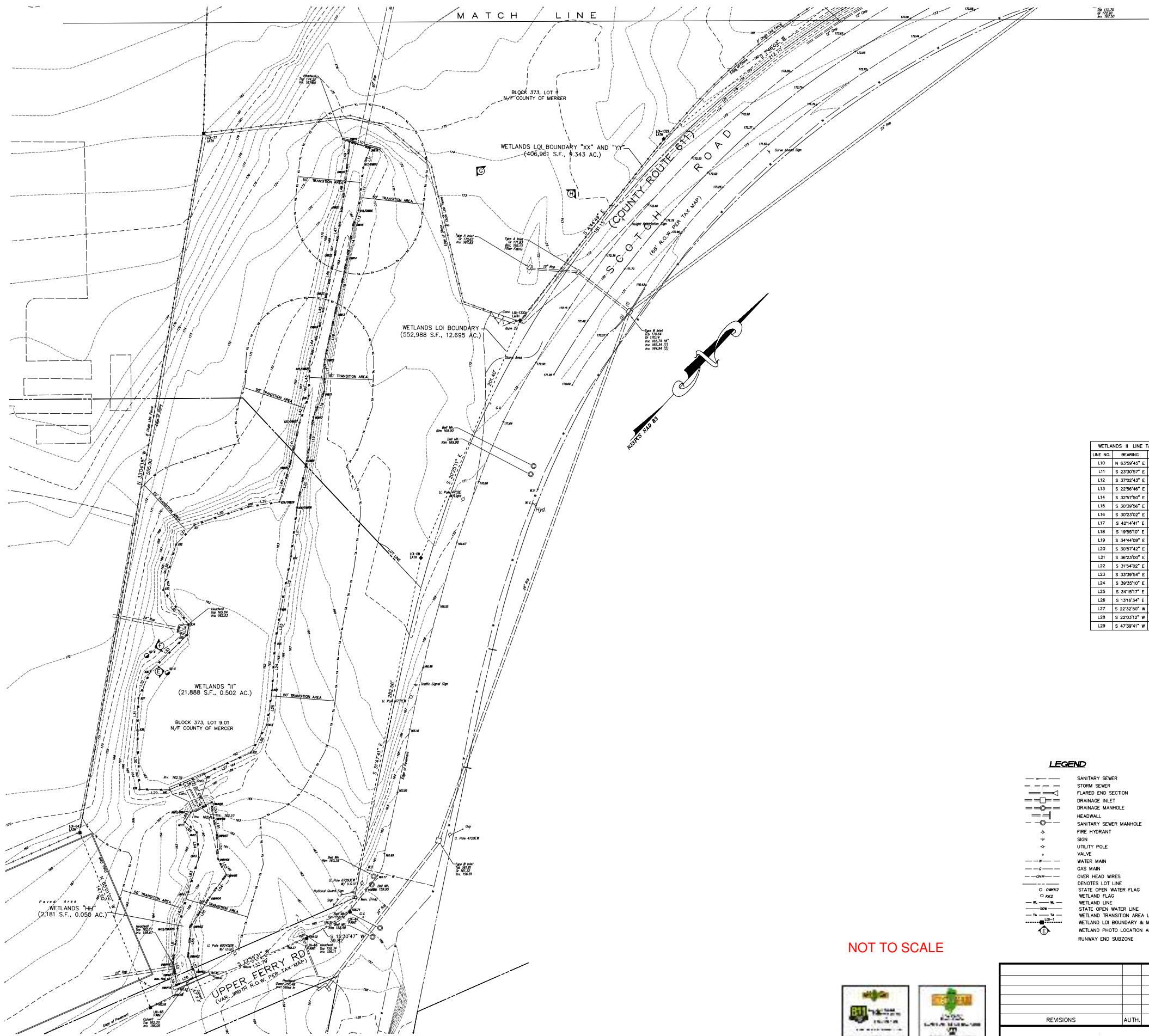
Sheets 1 and 2

Dated:

November 25, 2019 (no revisions)

Prepared by:

Van Cleef Engineering Associates
Southcentral New Jersey Office
4 AAA Drive, Suite 103
Hamilton, NJ 08691
Christopher A. Melick, NJ Professional Land Surveyor
License No. 24GS03586000



WETLANDS HH LINE TABLE		
LINE NO.	BEARING	LENGTH
L50	S 49°50'28" E	12.54'
L51	S 54°26'38" E	13.22'
L52	S 40°45'07" E	19.15'
L53	S 71°04'36" E	13.94'
L54	S 6°24'48" E	22.16'
L55	S 9°50'42" E	25.97'
L56	S 37°04'43" E	24.46'
L57	S 45°00'16" E	17.05'
L58	S 24°03'58" W	16.52'
L59	N 51°07'50" W	6.85'
L60	N 50°26'42" W	11.81'
L61	N 35°00'59" W	23.91'
L62	N 26°31'24" W	29.84'
L63	N 26°29'11" W	28.29'
L64	N 47°00'34" W	19.59'
L65	S 87°18'52" W	12.36'
L66	N 12°12'00" W	9.04'
L67	N 20°33'40" E	18.13'

WETLAND FLAG COORDINATES		
FLAG NO.	NORTHING	EASTING
OWH1	525573.0246	406824.3367
OWH2	525580.2273	406808.8874
OWH3	525596.4026	406794.0772
OWH4	525625.4656	406789.5362
OWH5	525647.5112	406787.0634
OWH6	525652.0307	406773.8806
OWH7	525665.3869	406760.1625
OWH8	525673.0750	406749.4065
OWH9	525681.1652	406739.8193
HH10/OWH10	525684.2261	406733.5535
HH11	525685.3931	406728.2637
HH12	525655.9720	406747.6058
HH13	525642.8152	406761.9340
HH14	525617.2933	406774.5515
HH15/OWH15	525590.5928	406787.8774
OWH16	525571.0129	406801.5957
OWH17	525563.4904	406810.7034
OWH18	525557.9413	406817.6003

WETLANDS 'H' LINE TABLE		
LINE NO.	BEARING	LENGTH
L10	N 63°59'40" E	17.00'
L11	S 23°30'57" E	16.33'
L12	S 37°02'43" E	33.40'
L13	S 22°56'46" E	12.20'
L14	S 32°57'50" E	27.31'
L15	S 30°39'56" E	42.93'
L16	S 30°23'02" E	37.60'
L17	S 42°14'41" E	24.98'
L18	S 19°55'10" E	21.63'
L19	S 34°44'09" E	34.57'
L20	S 30°57'48" E	37.46'
L21	S 38°53'00" E	36.44'
L22	S 31°54'02" E	42.20'
L23	S 33°39'54" E	26.94'
L24	S 39°30'10" E	37.01'
L25	S 34°15'17" E	27.31'
L26	S 13°16'34" E	25.18'
L27	S 22°32'50" W	39.88'
L28	S 22°03'12" W	30.10'
L29	S 47°39'41" W	23.44'

WETLANDS 'H' LINE TABLE		
LINE NO.	BEARING	LENGTH
L30	N 45°16'39" W	46.34'
L31	N 40°51'44" W	25.30'
L32	N 19°07'02" W	23.28'
L33	N 2°25'17" E	40.28'
L34	N 36°27'55" W	8.31'
L35	N 78°39'58" W	33.36'
L36	N 27°26'28" W	36.99'
L37	N 0°22'35" E	21.17'
L38	N 28°20'30" E	44.30'
L39	N 37°55'53" E	24.82'
L40	N 27°38'57" W	28.11'
L41	N 29°54'19" W	34.93'
L42	N 24°22'37" W	22.13'
L43	N 41°08'56" W	26.96'
L44	N 27°50'47" W	28.51'
L45	N 30°46'27" W	25.48'
L46	N 31°00'36" W	31.63'
L47	N 34°33'20" W	37.52'
L48	N 35°57'35" W	28.82'
L49	N 37°36'13" W	22.96'

WETLAND FLAG COORDINATES		
FLAG NO.	NORTHING	EASTING
OW1	525590.5879	406848.2985
OW2	525570.2550	406755.7210
OW3	525574.7575	406729.9384
OW4	525577.3297	406714.5668
OW5	525585.8512	406690.9835
OW6	525588.2696	406676.0521
OW7	525594.0944	406653.7526
OW8/OW8	525595.0406	406630.9509
OW9	525597.1796	406611.6690
OW10	525595.5886	406591.9714
OW11	525595.9229	406584.6027
OW12	525594.4135	406567.8101
OW13	525598.8535	406548.7899
OW14	525593.7942	406528.8927
OW15	525596.6950	406512.0342
OW16/OW16	525597.9278	406507.2787
OW17/OW17	525612.5871	406487.1563
OW18	525619.5618	406480.6403
OW19	525613.1078	406465.3606
OW20	525613.9150	406479.3728

WETLAND FLAG COORDINATES		
FLAG NO.	NORTHING	EASTING
OW21	525590.5879	406848.2985
OW22	525570.2550	406755.7210
OW23	525574.7575	406729.9384
OW24	525577.3297	406714.5668
OW25/OW25	525585.8512	406690.9835
OW26	525588.2696	406676.0521
OW27/OW27	525594.0944	406653.7526
OW28	525595.0406	406630.9509
OW29/OW29	525597.1796	406611.6690
OW30	525595.5886	406591.9714
OW31	525595.9229	406584.6027
OW32	525594.4135	406567.8101
OW33	525598.8535	406548.7899
OW34	525593.7942	406528.8927
OW35	525596.6950	406512.0342
OW36/OW36	525597.9278	406507.2787
OW37/OW37	525612.5871	406487.1563
OW38	525619.5618	406480.6403
OW39	525613.1078	406465.3606
OW40	525613.9150	406479.3728

LEGEND

- SANITARY SEWER
- STORM SEWER
- FLARED END SECTION
- DRAINAGE INLET
- DRAINAGE MANHOLE
- HEADWALL
- SANITARY SEWER MANHOLE
- FIRE HYDRANT
- SIGN
- UTILITY POLE
- VALVE
- WATER MAIN
- GAS MAIN
- OVER HEAD WIRES
- DENOTES LOT LINE
- STATE OPEN WATER FLAG
- WETLAND FLAG
- WETLAND LINE
- STATE OPEN WATER LINE
- WETLAND TRANSITION AREA LINE
- WETLAND LOT BOUNDARY & MARKER
- WETLAND PHOTO LOCATION AND DIRECTION
- RUNWAY END SUBZONE

REFERENCE PLANS:

BOUNDARY INFORMATION - N.J.D.O.T. GENERAL PARCEL MAP FROM SCOTCH ROAD TO FEDERAL CITY ROAD MARKED AS FILED MAP #3814 FILED IN THE MERCER COUNTY CLERKS OFFICE APRIL 17 2002

BOUNDARY INFORMATION - SCOTCH ROAD RELOCATION AT MERCER COUNTY AIRPORT ADOPTED RESOLUTION OF THE BOARD OF CHOSEN FREEHOLDERS APRIL 21, 1959

RUNWAY SUBZONE - EXISTING AIRPORT LAYOUT PLAN, TRENTON - MERCER AIRPORT, TRENTON, NEW JERSEY AS PREPARED BY FREDERICK R. HARRIS INC. DATED 10/9/95 SHEET 2 OF 10

LOT AREA

BLOCK 373 LOT 9 187.0 ACRES
BLOCK 373 LOT 9.01 37.05 ACRES
TOTAL AREA OF LOTS 224.05 ACRES

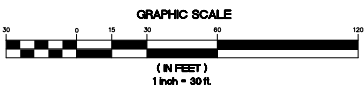
REFERENCE DATUM:

THIS WETLANDS SURVEY REFERENCED TO NEW JERSEY STATE PLANE
COORDINATE SYSTEM NAD83 AND ELEVATIONS ARE REFERENCED TO NAVD88.

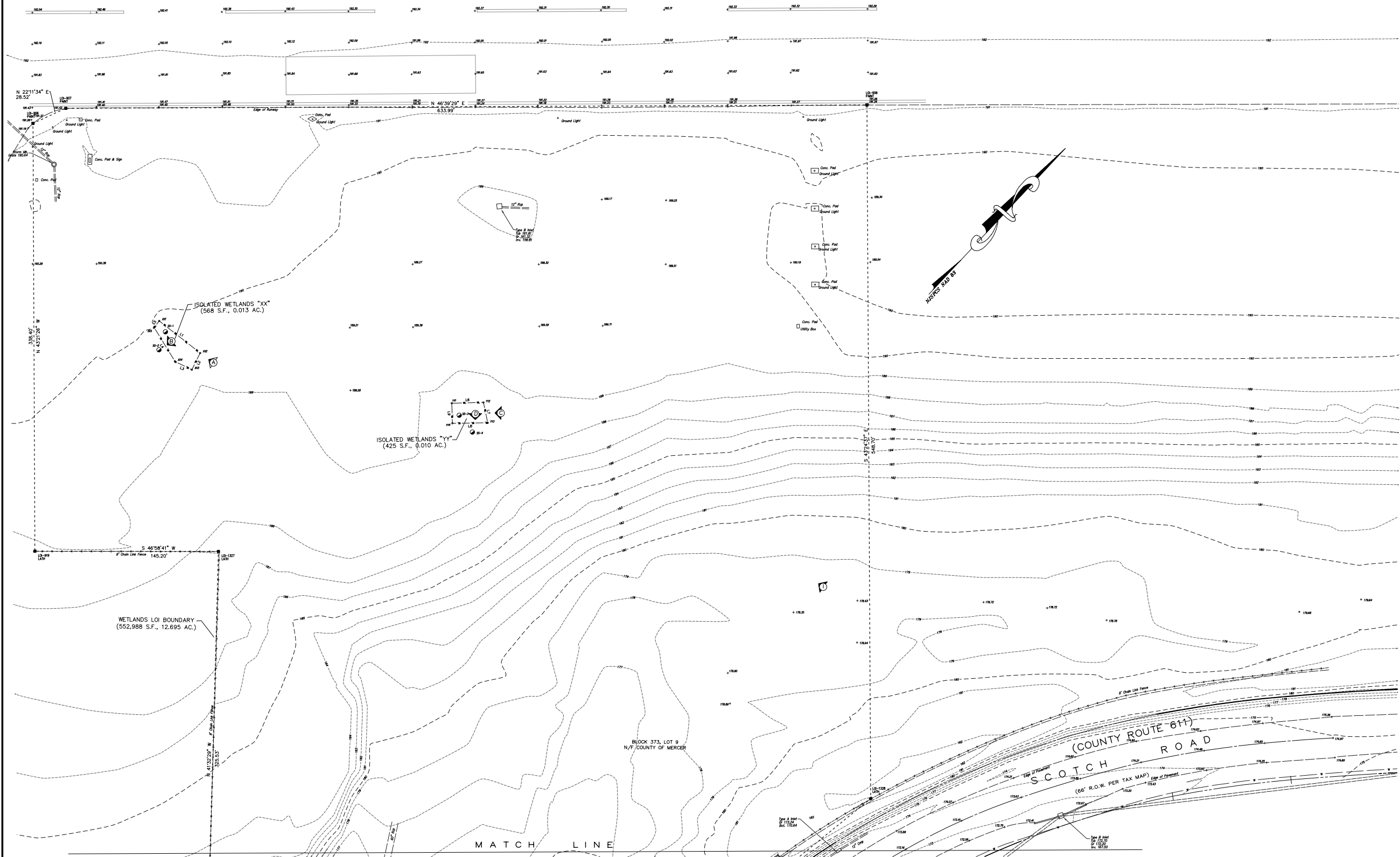
SURVEY NOTES:

- THIS PLAN IS NOT VALID UNLESS EMBOSSED WITH THE SEAL OF THE UNDERSIGNED PROFESSIONAL(S).
- IT IS IMPERATIVE THAT UTILITY COMPANIES ARE NOTIFIED PRIOR TO ANY EXCAVATION AND/OR CONSTRUCTION CALL 1-800-272-1000 TO ORDER UTILITY MARKOUTS.
- ABOVE GROUND PHYSICAL FEATURES AS SHOWN ARE BASED ON FIELD SURVEY PERFORMED BY VAN CLEEF ENGINEERING ASSOC ON 10/31/19 AND AERIAL TOPOGRAPHY PROVIDED TO US FROM URBAN ENGINEERING.
- BOUNDARY INFORMATION BASED ON THE REFERENCED DEEDS AND ADJOINING REFERENCE MAPS. BEARINGS SHOWN ARE IN NAD 83.
- SUBJECT TO ALL EASEMENTS, RESTRICTIONS, RIGHTS-OF-WAY AND EXCEPTIONS OF RECORD.
- THE LOCATION OF UNDERGROUND UTILITIES AS DEPICTED ARE APPROXIMATE. ALL LOCATIONS AND SIZES ARE BASED ON UTILITY MARK-OUTS, ABOVE GROUND STRUCTURES THAT WERE VISIBLE AND ACCESSIBLE AT THE TIME OF THE SURVEY. THEREFORE, THERE MAY BE ADDITIONAL UNDERGROUND UTILITIES THAT WERE NOT SHOWN. VAN CLEEF ENGINEERING ASSOCIATES DOES NOT GUARANTEE THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA EITHER IN SERVICE OR ABANDONED. REFERENCE TO THE APPROPRIATE UTILITY AUTHORITY SHOULD BE MADE TO VERIFY THE PRESENCE OR ABSENCE OF UTILITIES.
- THE EXISTENCE OF UNDERGROUND STORAGE TANKS, IF ANY, WAS NOT KNOWN AT THE TIME OF THE FIELD SURVEY.
- WETLAND AND STATE OPEN WATER LINES SHOWN HEREON WERE FIELD DELINEATED BY AMY S. GREENE ENVIRONMENTAL CONSULTANTS ON DECEMBER 5, 2018, MAY 23, 2019, AND JULY 17, 2019 AND FIELD LOCATED BY VAN CLEEF ENGINEERING ASSOCIATES ON FEB. 8, 2019 AND JULY 22, 2019.

NOT TO SCALE



DATE:	NOV. 25, 2019
SCALE:	1"=30'
DESIGNED BY:	---
DRAWN BY:	R.R.F.
CHECKED BY:	C.A.M.
REVISIONS	AUTH. DATE
JOB NO.	1902EWG
BY: <i>Christopher A. Melick</i> 11/25/2019 CHRISTOPHER A. MELICK NEW JERSEY PROFESSIONAL LAND SURVEYOR LICENSE NO. 2405038600	
Van Cleef ENGINEERING ASSOCIATES 4 AAA DRIVE SUITE 103 HAMILTON NJ 08616 TEL: 609.661.1100 FAX: 609.661.1200 WWW.VANCLEEFENGINEERING.COM NJ LIC. CERT. NO. 34042812000	
WETLANDS DELINEATION PLAN FOR TRENTON - MERCER AIRPORT BLOCK 373, PART OF LOT 9 AND 9.01 SITUATED IN EWING TOWNSHIP, MERCER COUNTY, NEW JERSEY	



REFERENCE PLANS:

BOUNDARY INFORMATION - N.J.D.O.T. GENERAL PARCEL MAP FROM SCOTCH ROAD TO FEDERAL CITY ROAD MARKED AS FILED MAP #3814 FILED IN THE MERCER COUNTY CLERK'S OFFICE APRIL 17 2002

BOUNDARY INFORMATION - SCOTCH ROAD RELOCATION AT MERCER COUNTY AIRPORT ADOPTED RESOLUTION OF THE BOARD OF CHOSEN FREEHOLDERS APRIL 21, 1959

RUNWAY SUBZONE - EXISTING AIRPORT LAYOUT PLAN, TRENTON - MERCER AIRPORT, TRENTON, NEW JERSEY AS PREPARED BY FREDERIC R. HARRIS INC. DATED 10/9/55 SHEET 2 OF 10

REFERENCE DATUM:

THIS WETLANDS SURVEY REFERENCED TO NEW JERSEY STATE PLANE COORDINATE SYSTEM NAD83 AND ELEVATIONS ARE REFERENCED TO NAVD83.

SURVEY NOTES:

- THIS PLAN IS NOT VALID UNLESS EMBOSSED WITH THE SEAL OF THE UNDERSIGNED PROFESSIONAL(S).
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- BOUNDARY INFORMATION BASED ON THE REFERENCED DEEDS AND ADJOINING REFERENCE MAPS. BEARINGS SHOWN ARE IN NAD 83.
- SUBJECT TO ALL EASEMENTS, RESTRICTIONS, RIGHTS-OF-WAY AND EXCEPTIONS OF RECORD.
- THE LOCATION OF UNDERGROUND UTILITIES, AS DEPICTED, ARE APPROXIMATE. ALL LOCATIONS AND SIZES ARE BASED ON UTILITY MARK-OUTS ABOVE GROUND STRUCTURES THAT WERE VISIBLE AND ACCESSIBLE AT THE TIME OF THE SURVEY. THEREFORE, THERE MAY BE ADDITIONAL UNDERGROUND UTILITIES THAT ARE NOT SHOWN. VAN CLEEF ENGINEERING ASSOCIATES DOES NOT GUARANTEE THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA EITHER IN SERVICE OR ABANDONED. REFERENCE TO THE APPROPRIATE UTILITY AUTHORITY SHOULD BE MADE TO VERIFY THE PRESENCE OR ABSENCE OF UTILITIES.
- THE EXISTENCE OF UNDERGROUND STORAGE TANKS, IF ANY, WAS NOT KNOWN AT THE TIME OF THE FIELD SURVEY.
- WETLAND AND STATE OPEN WATER LINES SHOWN HEREON WERE FIELD DELINEATED BY AMY S. GREENE ENVIRONMENTAL CONSULTANTS ON DECEMBER 5, 2016; MAY 23, 2018; AND JULY 17, 2019 AND FIELD LOCATED BY VAN CLEEF ENGINEERING ASSOCIATES ON FEB. 8, 2019 AND JULY 22, 2019.

LEGEND

- SANITARY SEWER
- STORM SEWER
- FLARED END SECTION
- DRAINAGE INLET
- DRAINAGE MANHOLE
- HEADWALL
- SANITARY SEWER MANHOLE
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- WETLAND PHOTO LOCATION AND DIRECTION
- RUNWAY END SUBZONE

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BLOCK 373 LOT 9-01 37.05 ACRES
TOTAL AREA OF LOTS 224.05 ACRES

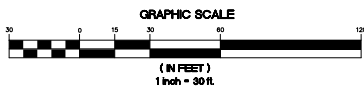
WETLANDS XX LINE TABLE		
LINE NO.	BEARING	LENGTH
L1	N 85°04'03" E	41.11'
L2	S 16°32'13" E	14.74'
L3	S 72°50'59" W	14.79'
L4	N 74°41'41" W	31.59'
L5	N 5°28'43" W	6.62'

WETLAND FLAG COORDINATES		
FLAG	NORTHING	EASTING
XX1	526403.8443	406002.9632
XX2	526407.3787	406043.9164
XX3	526393.2716	406048.1945
XX4	526388.9118	406034.0668
XX5	526397.2508	406033.5956

WETLANDS YY LINE TABLE		
LINE NO.	BEARING	LENGTH
L6	N 45°28'12" E	25.10'
L7	S 54°54'23" E	16.45'
L8	S 46°01'55" W	27.93'
L9	N 45°00'34" W	15.91'

WETLAND FLAG COORDINATES		
FLAG	NORTHING	EASTING
YY1	526514.4451	406216.4427
YY2	526532.0487	406234.3375
YY3	526522.5929	406247.7950
YY4	526503.2004	406227.6911

NOT TO SCALE



DATE: NOV. 25, 2019	
SCALE: 1"=30'	
DESIGNED BY: ---	
DRAWN BY: R.R.F.	
CHECKED BY: C.A.M.	
REVISIONS	AUTH. DATE JOB NO. 1902EWG
BY: <i>Christopher A. Melick</i> 11/25/2019	
CHRISTOPHER A. MELICK NEW JERSEY PROFESSIONAL LAND SURVEYOR LICENSE NO. 24050356600	

Van Cleef
ENGINEERING ASSOCIATES

SOUTHEASTERN NEW JERSEY OFFICE
4 AAA DRIVE, SUITE 105, HAMILTON, NJ 08616
EMAIL: CONTACT@VANCLEEFENGINEERING.COM
WEB: WWW.VANCLEEFENGINEERING.COM
PHONE: 609.661.1100 FAX: 609.661.1101

Consulting Civil Engineering
Bridge Design
Highway Design
Construction Inspection
Geotechnical Engineering
Water/Wastewater
Municipal Engineering
Land Surveying
Professional Planning
Landscape Architecture

NO LIC. CERT. NO. 24042612000

WETLANDS DELINEATION PLAN
FOR
TRENTON - MERCER AIRPORT
BLOCK 373, PART OF LOT 9 AND LOT 9.01
SITUATED IN
EWING TOWNSHIP, MERCER COUNTY, NEW JERSEY