



PUBLIC NOTICE

US Army Corps
of Engineers
New York District
Jacob K. Javits Federal Building
New York, N.Y. 10278-0090
ATTN: Regulatory Branch

In replying refer to:
Public Notice Number: NAN-2015-01327-WCA
Issue Date: September 12, 2017
Expiration Date: October 11, 2017

To Whom It May Concern:

The New York District, Corps of Engineers has received an application for a Department of the Army permit pursuant to Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403), and Section 404 of the Clean Water Act (33 U.S.C. 1344).

APPLICANT: Signature Flight (Support Corp.)
201 South Orange Avenue, Suite 1100
Orlando, Florida 32801

ACTIVITY: Discharge fill into waters of the United States to facilitate the proposed construction of a 40,500 square foot aircraft hangar and an associated aircraft asphalt apron area. The proposed aircraft hangar would additionally accommodate office and associated vehicular parking.

WATERWAY: East Riser Ditch (Hackensack River Watershed)

LOCATION: Boroughs of Teterboro and Moonachie, Bergen County, New Jersey.

A detailed description and plans of the applicant's activity are enclosed to assist in your review.

The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and, in general, the needs and welfare of the people.

The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

ALL COMMENTS REGARDING THE PERMIT APPLICATION MUST BE PREPARED IN WRITING AND MAILED TO REACH THIS OFFICE BEFORE THE EXPIRATION DATE OF THIS NOTICE, otherwise, it will be presumed that there are no objections to the activity.

**CENAN-OP-RW
PUBLIC NOTICE NO. NAN-2015-01327-WCA**

Comments submitted in response to this notice will be fully considered during the public interest review for this permit application. Comments provided will become part of the public record for this permit application. All written comments, including contact information, will be made a part of the administrative record, available to the public under the Freedom of Information Act. The Administrative Record, or portions thereof, may also be posted on a Corps of Engineers internet web site. Due to resource limitations, this office will normally not acknowledge the receipt of comments or respond to individual letters of comment.

Any person may request, in writing, before this public notice expires, that a public hearing be held to collect information necessary to consider this application. Requests for public hearings shall state, with particularity, the reasons why a public hearing should be held. It should be noted that information submitted by mail is considered just as carefully in the permit decision process and bears the same weight as that furnished at a public hearing.

Our preliminary determination is that the activity for which authorization is sought herein is not likely to affect any Federally endangered or threatened species or their critical habitat. However, pursuant to Section 7 of the Endangered Species Act (16 U.S.C. 1531), the District Engineer is consulting with the appropriate Federal agency to determine the presence of and potential impacts to listed species in the project area or their critical habitat.

The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act (Public Law 104-267), requires all Federal agencies to consult with the National Oceanic and Atmospheric Administration Fisheries Service (NOAA/FIS) on all actions, or proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH). The New York District has made the preliminary determination that the site-specific effects are not likely to have an effect on Essential Fish Habitat. Further consultation with NOAA/FIS regarding EFH impacts and conservation recommendations is being conducted and will be concluded prior to the final decision.

Based upon a review of the latest published version of the National Register of Historic Places, there are no known sites eligible for, or included in, the Register within the permit area. Presently unknown archeological, scientific, prehistorical, or historical data may be lost by work accomplished under the required permit.

Reviews of activities pursuant to Section 404 of the Clean Water Act will include application of the guidelines promulgated by the Administrator, U.S. Environmental Protection Agency, under authority of Section 404 (b) of the Clean Water Act and the applicant will obtain a water quality certificate or waiver from the appropriate state agency in accordance with Section 401 of the Clean Water Act prior to a permit decision.

In addition to any required water quality certificate, the applicant has obtained or requested the following governmental authorization for the activity under consideration:

- (New Jersey Department of Environmental Protection Flood Hazard Permit)

It is requested that you communicate the foregoing information concerning the activity to any persons known by you to be interested and who did not receive a copy of this notice. If you have any questions concerning this application, you may contact this office at (917) 790-8412 and ask for Jim Cannon.

CENAN-OP-RW
PUBLIC NOTICE NO. NAN-2015-01327-WCA

In order for us to better serve you, please complete our Customer Service Survey located at <http://www.nan.usace.army.mil/Missions/Regulatory/CustomerSurvey.aspx>.

For more information on New York District Corps of Engineers programs, visit our website at <http://www.nan.usace.army.mil>.


For: Stephan A. Ryba
Chief, Regulatory Branch

Enclosures

WORK DESCRIPTION

The applicant, Signature Flight (Support Corp.), a fixed based operator at the Teterboro Airport, has requested Department of the Army authorization to discharge fill material into waters of the United States to facilitate the construction and installation of an aircraft hangar with an associated asphalt apron. The proposed aircraft hangar would additionally accommodate office and vehicular parking. The project site is located within the Teterboro Airport (TEB) in the Boroughs of Teterboro and Moonachie, Bergen County, New Jersey.

The work would involve the discharge of approximately 11,500 cubic yards of fill material into approximately 4.51 acres of wetlands to facilitate the construction and installation of a 40,000 square foot (325-foot long by 124-foot wide) one-story aircraft hangar. The proposed hangar would accommodate approximately 4,500 square feet of office space and 53 associated vehicular parking spaces. As part of the hangar construction activities, an associated 186,437 square foot asphalt apron would be constructed around a portion of the hangar for aircraft parking and repositioning. Of the 4.51 acres of proposed permanent impacts to wetlands, approximately 3.11 acres would consist of non-tidal forested/scrub shrub wetlands, and 1.40 acres would consist of non-tidal emergent wetlands.

To compensate for the permanent impacts to waters of the United States associated with the proposed project, the applicant proposes to establish and enhance the following acreage areas at a 44.37 acre site located along the Oradell Reservoir in the Borough of Closter, Bergen County, New Jersey:

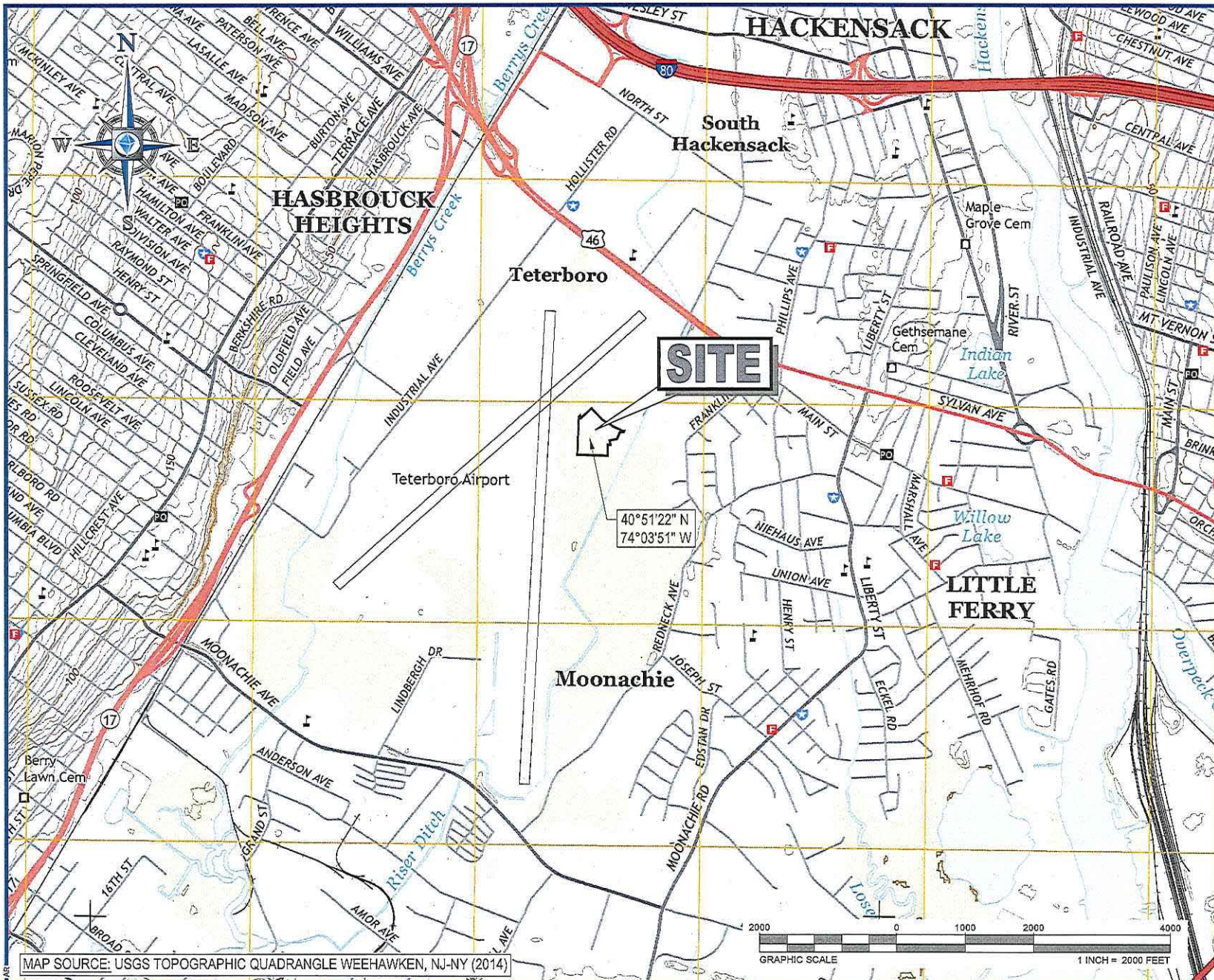
- Establish 1.16 acres of forested and scrub shrub wetlands;
- Enhance a total of 11.55 acres of forested and scrub shrub wetlands; and
- Enhance 1.01 acres of adjacent uplands.

The applicant stated that the purpose of the project to expand the existing Signature Flight Support facility at Teterboro Airport is to:

- Address the physical space requirements and maintenance demands of the "next generation" aircraft already using the airport;
- Help meet Teterboro Airport sustainability goals of reducing air and noise pollution by reducing unnecessary "ferry" flights, and address operational congestion at the airport;
- Reduce arrival and departure delays caused by overcrowded taxiways;
- Improve the safety and efficiency of the existing Signature Flight Support East facility with regard to aircraft movement and storage; and,
- Meet the demand of general aviation travelers to and from the New York–New Jersey metropolitan area.

The applicant additionally stated that the Signature Flight expansion project is additionally needed to address the existing Signature Flight Support waiting list, as the size of the aircraft flying into and out of, and based at TEB is increasing. The increase in the size of aircraft, along with fundamental design changes to new aircraft, have resulted in fewer aircraft being able to be stored at the existing Signature Flight Support hangars and apron areas, as well as other TEB facilities than a decade ago. The proposed expansion project would address the loss of aircraft parking capacity at the existing Signature Flight Support facility, and would provide additional hangar and apron space for waiting and future Signature Flight Support customers. The preferred alternative, as described above, was designed to avoid and minimize impacts to waters of the United States while still achieving the project purpose.

Figure 1 of 26



BOHLER ENGINEERING

SITE CIVIL AND CONSULTING ENGINEERING
 LAND SURVEYING PROGRAM MANAGEMENT LANDSCAPE ARCHITECTURE
 SUSTAINABLE DESIGN PERMITTING SERVICES TRANSPORTATION SERVICES

● NORTHERN VIRGINIA
 ● CENTRAL VIRGINIA
 ● PHILADELPHIA, PA
 ● LEHIGH VALLEY, PA
 ● NEW ENGLAND
 ● NEW YORK, NY
 ● NEW YORK, NY
 ● BALTIMORE, MD
 ● NEW JERSEY
 ● SOUTHERN HAVANA, FL
 ● TAMPA, FL
 ● SOUTH FLORIDA

REVISIONS

| REV | DATE | COMMENT | DRAWN BY | CHECKED BY |
|-----|------------|------------------------------|----------|------------|
| 1 | 10/13/2016 | REV. PER ARMY CORPS COMMENTS | AR | MJR |
| 2 | 03/01/2017 | REV. PER ARMY CORPS COMMENTS | AR | BE |

PROJECT No.: J110616
 DRAWN BY: MJR
 CHECKED BY: DJ
 DATE: 09/15/2015
 SCALE: AS SHOWN
 CAD I.D.: J110616-CDS-03

PROJECT: **SITE DEVELOPMENT FOR SIGNATURE FLIGHT SUPPORT**
 TETERBORO AIRPORT
 BLOCK 203; PART OF LOT 1
 BOROUGH OF TETERBORO
 BERGEN COUNTY, NEW JERSEY

BOHLER ENGINEERING

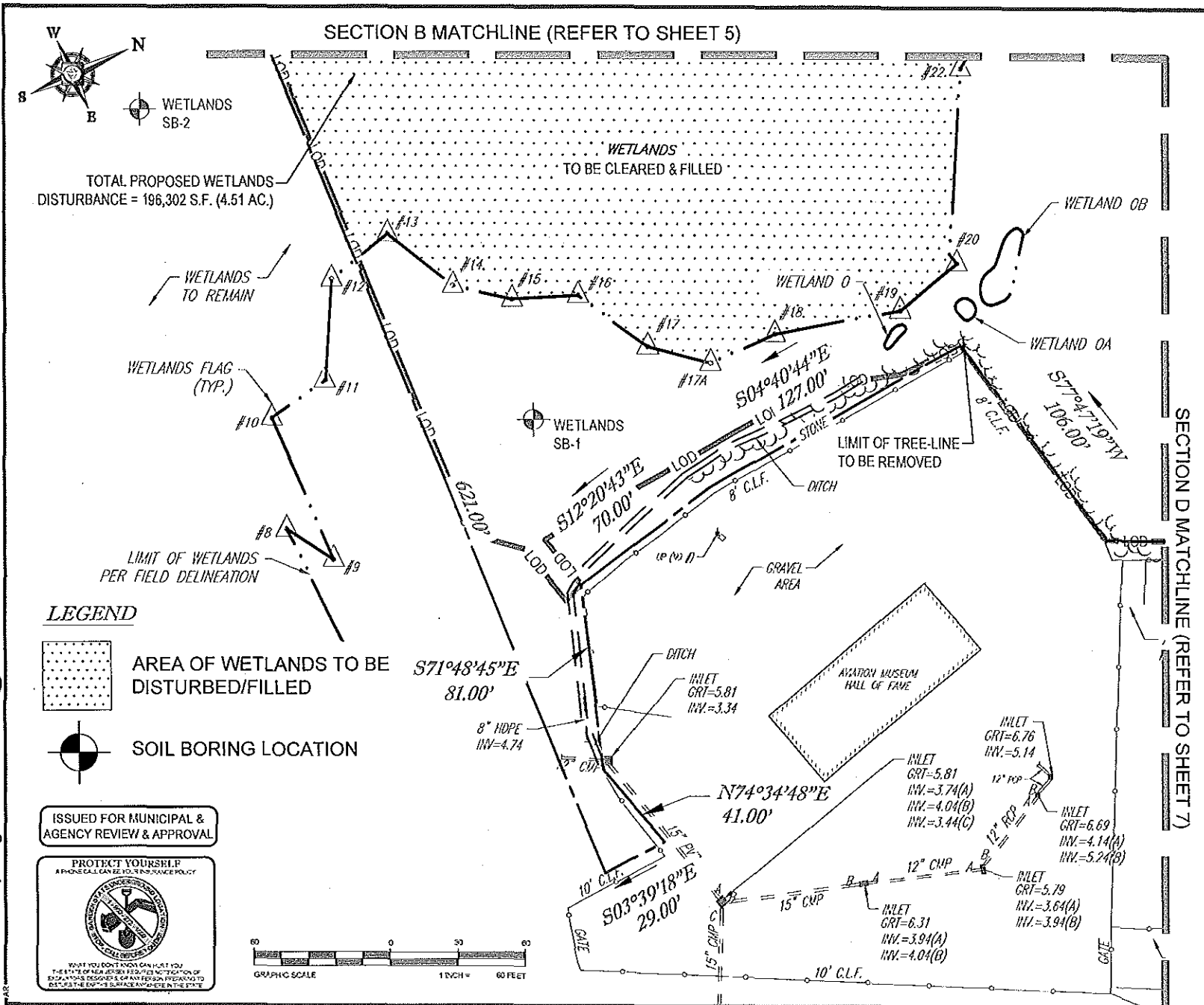
35 TECHNOLOGY DRIVE
 WARREN, NJ 07059
 Phone: (908) 558-5300
 Fax: (908) 754-4401
www.BohlerEngineering.com
 NJ CERT. OF AUTHORIZATION NO. 246023191700

K.B. CAHILL

PROFESSIONAL ENGINEER
 NEW JERSEY LICENSE No. 42004

SHEET TITLE:
VICINITY MAP

SHEET NUMBER: **1**
 OF 23



BOHLER ENGINEERING

BOHLER ENGINEERING, INC. IS AN EQUAL OPPORTUNITY EMPLOYER. WE ARE AN AFFIRMATIVE ACTION EMPLOYER. WE ARE AN EQUAL OPPORTUNITY CONTRACTOR.

BOHLER ENGINEERING, INC. IS AN EQUAL OPPORTUNITY EMPLOYER. WE ARE AN AFFIRMATIVE ACTION EMPLOYER. WE ARE AN EQUAL OPPORTUNITY CONTRACTOR.

BOHLER ENGINEERING, INC. IS AN EQUAL OPPORTUNITY EMPLOYER. WE ARE AN AFFIRMATIVE ACTION EMPLOYER. WE ARE AN EQUAL OPPORTUNITY CONTRACTOR.

REVISIONS

| REV | DATE | COMMENT | BY |
|-----|------------|------------------------------|----|
| 1 | 10/13/2016 | REV. PER ARMY CORPS COMMENTS | AR |
| 2 | 08/01/2017 | REV. PER ARMY CORPS COMMENTS | AR |

PROJECT NO.: J110616
 DRAWN BY: MJR
 CHECKED BY: DJ
 DATE: 08/15/2015
 SCALE: AS SHOWN
 CAD ID: J110616-SP-03

PROJECT: **SITE DEVELOPMENT FOR SIGNATURE FLIGHT SUPPORT**
 TETERBORO AIRPORT
 BLOCK 203; PART OF LOT 1
 BOROUGH OF TETERBORO
 BERGEN COUNTY, NEW JERSEY

BOHLER ENGINEERING

35 TECHNOLOGY DRIVE
 WARREN, NJ 07059
 Phone: (908) 653-9330
 Fax: (908) 754-4421
 www.BohlerEngineering.com
 NJ CERT. OF A.C. REGISTRATION NO. 145823-0170

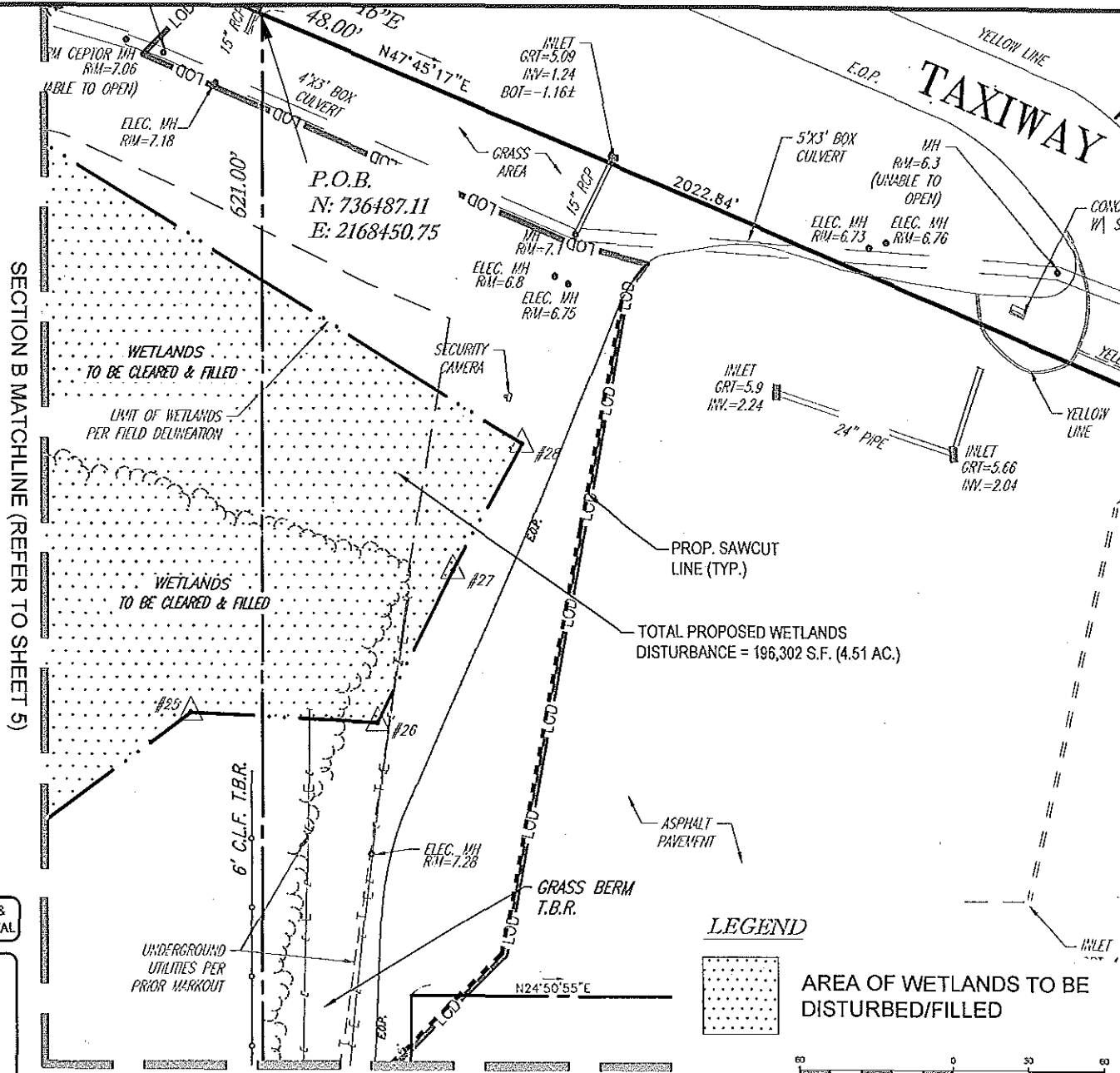
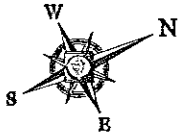
K.B. CAHILL

PROFESSIONAL ENGINEER
 NEW JERSEY LICENSE NO. 42004

SHEET TITLE:
DEMO PLAN (A)

SHEET NUMBER **4**
 OF 23

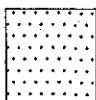
CONSULTING ENGINEERS & ARCHITECTS
 1000 WEST 10TH AVENUE, SUITE 1000
 DENVER, CO 80202
 TEL: 303.733.1100
 FAX: 303.733.1101
 WWW.BOHLENGINEERING.COM



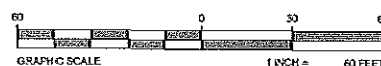
P.O.B.
N: 736487.11
E: 2168450.75

TOTAL PROPOSED WETLANDS
DISTURBANCE = 196,302 S.F. (4.51 AC.)

LEGEND



AREA OF WETLANDS TO BE
DISTURBED/FILLED



BOHLER ENGINEERING

SITE CIVIL AND CONSULTING ENGINEERING
LAND SURVEY AND CONSULTING ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING AND DESIGN
SUSTAINABLE DESIGN
PROFESSIONAL ENGINEER
PROFESSIONAL ARCHITECT
PROFESSIONAL LANDSCAPE ARCHITECT
PROFESSIONAL PLANNING
PROFESSIONAL DESIGNER

- ALABAMA
- ARIZONA
- ARKANSAS
- CALIFORNIA
- COLORADO
- CONNECTICUT
- DELAWARE
- FLORIDA
- GEORGIA
- ILLINOIS
- INDIANA
- IOWA
- KANSAS
- KENTUCKY
- LOUISIANA
- MARYLAND
- MASSACHUSETTS
- MICHIGAN
- MINNESOTA
- MISSISSIPPI
- MISSOURI
- MONTANA
- NEBRASKA
- NEVADA
- NEW HAMPSHIRE
- NEW JERSEY
- NEW YORK
- NORTH CAROLINA
- NORTH DAKOTA
- OHIO
- OKLAHOMA
- OREGON
- PENNSYLVANIA
- RHODE ISLAND
- SOUTH CAROLINA
- SOUTH DAKOTA
- TEXAS
- UTAH
- VERMONT
- VIRGINIA
- WASHINGTON
- WEST VIRGINIA
- WISCONSIN
- WYOMING

REVISIONS

| REV | DATE | COMMENT | DESIGNED BY | CHECKED BY |
|-----|------------|------------------------------|-------------|------------|
| 1 | 10/13/2010 | REV. PER ARMY CORPS COMMENTS | MJR | DJ |
| 2 | 06/01/2017 | REV. PER ARMY CORPS COMMENTS | MJR | BE |

PROJECT NO.: J110616
DRAWN BY: MJR
CHECKED BY: DJ
DATE: 09/16/2015
SCALE: AS SHOWN
CAD ID: J110616-5-PP-C0

PROJECT: **SITE DEVELOPMENT FOR SIGNATURE FLIGHT SUPPORT**
TERRHORO AIRPORT
BLOCK 203; PART OF LOT 1
BOROUGH OF TETERBORO
BERGEN COUNTY, NEW JERSEY

BOHLER ENGINEERING
35 TECHNOLOGY DRIVE
WARREN, NJ 07059
Phone: (908) 693-8320
Fax: (908) 754-4501
www.BohlerEngineering.com
NJ CERT. OF AUTHORIZATION NO. 2452-1-1710

K.B. CAHILL
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NO. 42004

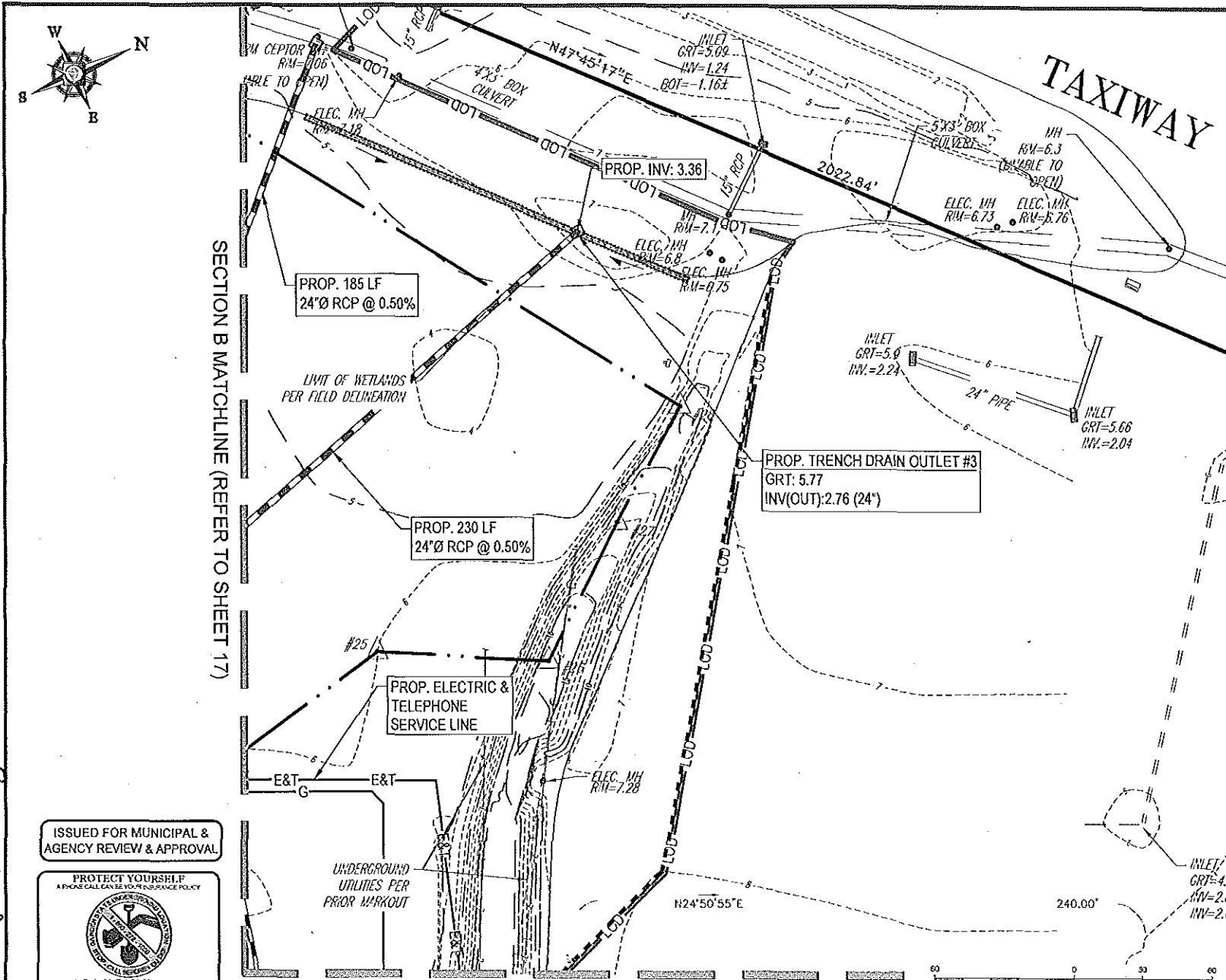
SHEET TITLE:
DEMO PLAN (C)
SHEET NUMBER:
6
OF 23

ISSUED FOR MUNICIPAL & AGENCY REVIEW & APPROVAL

PROTECT YOURSELF
A PHONE CALL CAN BE YOUR INSURANCE POLICY

WHAT YOU DON'T KNOW CAN HURT YOU
THE STATE OF NEW JERSEY DOES NOT REGULATE THE PRACTICE OF ENGINEERING OR ANY PERSON PRACTICING TO OBTAIN THE ENGINEER'S LICENSE ANYWHERE IN THE STATE

© 2011 Bohl Engineering, Inc. All rights reserved. Printed and plotted by Bohl Engineering, Inc.



BOHLER ENGINEERING

SITE CIVIL AND CONSULTING ENGINEERING
 LAND ACQUISITION PROGRAM MANAGEMENT LANDSCAPE ARCHITECTURE
 SUSTAINABLE DESIGN TRANSPORTATION SERVICES

OFFICES:
 • NEW JERSEY
 • NEW YORK
 • NEW HAMPSHIRE
 • NEW MEXICO
 • NORTH CAROLINA
 • SOUTH CAROLINA
 • VIRGINIA
 • WASHINGTON, DC
 • FLORIDA

REVISIONS

| REV | DATE | COMMENT | DESIGNED BY |
|-----|------------|------------------------------|-------------|
| 1 | 10/13/2015 | REV. PER ARMY CORPS COMMENTS | AR |
| 2 | 08/01/2016 | REV. PER ARMY CORPS COMMENTS | AR |

PROJECT NO: J110618
 DRAWN BY: MJR
 CHECKED BY: DJ
 DATE: 08/16/2015
 SCALE: AS SHOWN
 CAD ID: J110618-PP-08

PROJECT: **SITE DEVELOPMENT FOR SIGNATURE FLIGHT SUPPORT**
 TETERBORO AIRPORT
 BLOCK 203, PART OF LOT 1
 BOROUGH OF TETERBORO
 BERGEN COUNTY, NEW JERSEY

BOHLER ENGINEERING

35 TECHNOLOGY DRIVE
 WARREN, NJ 07059
 Phone: (908) 653-8300
 Fax: (908) 754-4401
www.BohlerEngineering.com
 NJ CERT. OF A/E/C/P NO. 24-000000-00000000

K.B. CAHILL

PROFESSIONAL ENGINEER
 NEW JERSEY LICENSE NO. 42004

SHEET TITLE: **UTILITY PLAN (C)**

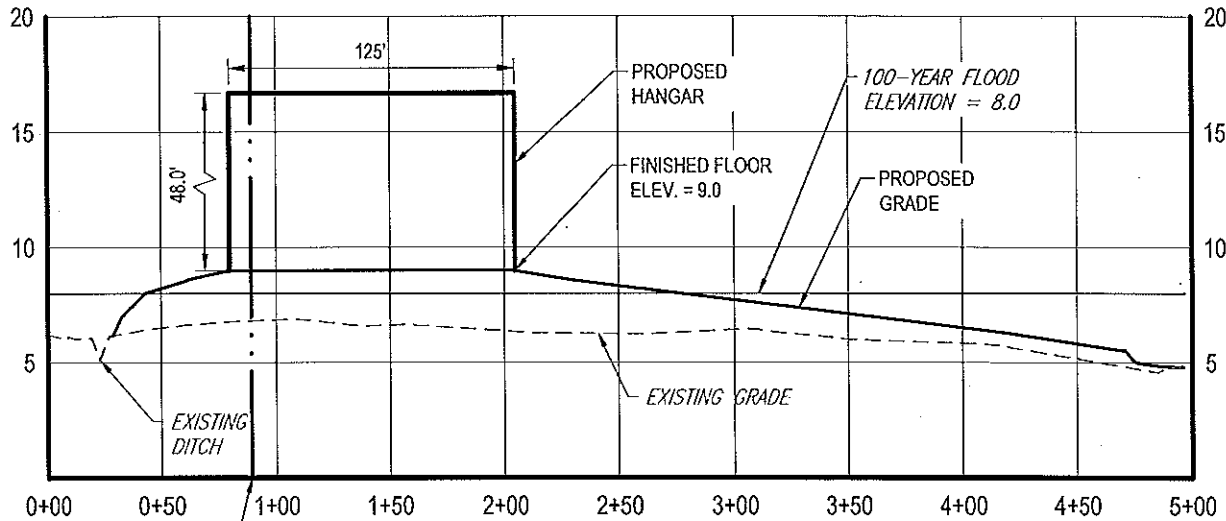
SHEET NUMBER: **18**
 OF 23

ISSUED FOR MUNICIPAL & AGENCY REVIEW & APPROVAL

PROTECT YOURSELF
 A PHONE CALL CAN SAVE YOUR INSURANCE POLICY

WHAT YOU DON'T KNOW CAN COST YOU
 THE STATE OF NEW JERSEY REQUIRES NOTIFICATION OF
 LOCAL AGENCY JURISDICTIONS OF ANY PERSON PREPARING TO
 DESIGN THE EARTH'S SURFACE ANYWHERE IN THE STATE

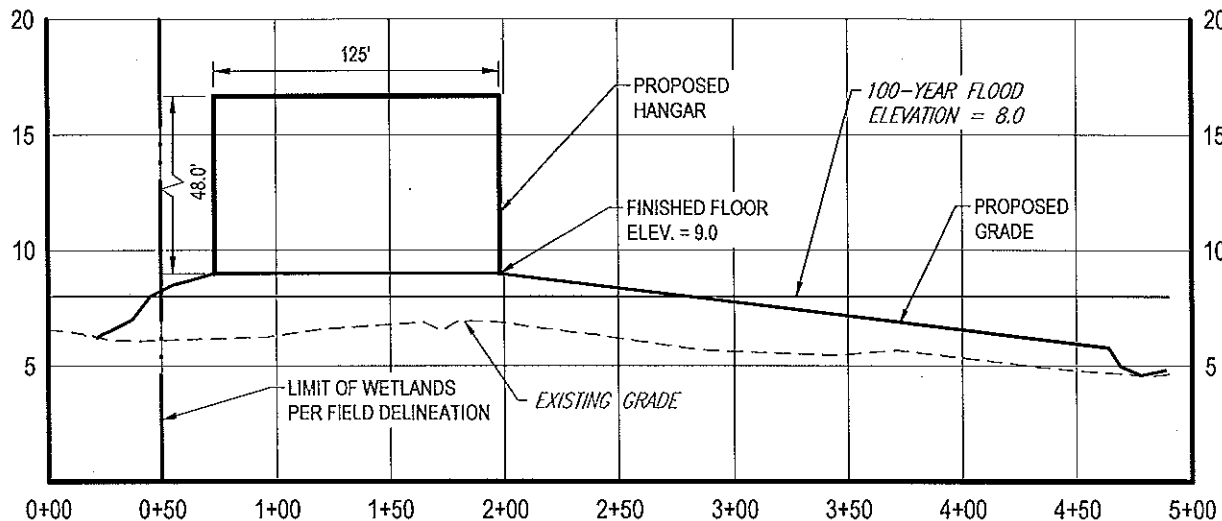
CONSULTING ENGINEER
 K.B. CAHILL
 LICENSE NO. 42004
 STATE OF NEW JERSEY



LIMIT OF WETLANDS
PER FIELD DELINEATION

CROSS-SECTION #1

SCALE: 1" = 80' HORIZONTAL
1" = 8' VERTICAL



LIMIT OF WETLANDS
PER FIELD DELINEATION

CROSS-SECTION #2

SCALE: 1" = 80' HORIZONTAL
1" = 8' VERTICAL

BOHLER ENGINEERING

CIVIL AND CONSULTING ENGINEERING
LAND SURVEYING PROGRAM MANAGEMENT LANDMARK ARCHITECTURE
SUSTAINABLE DESIGN PERMITTING SERVICES TRANSPORTATION SERVICES

- PHILADELPHIA, PA
- PHOENIX, AZ
- PORTLAND, ME
- RENO, NV
- ROCKFORD, IL
- ST. LOUIS, MO
- TAMPA, FL
- WASHINGTON, DC
- WICHITA, KS
- WISCONSIN, WI
- NEW YORK, NY
- NEW JERSEY
- SOUTH CAROLINA
- NORTHERN VIRGINIA
- INDIANA
- CHARLOTTE, NC
- SOUTH FLORIDA

1000 BOHLER DRIVE, SUITE 200, WILMINGTON, DE 19801
TEL: 302.222.2222 FAX: 302.222.2222

REVISIONS

| REV | DATE | COMMENT | BY | CHKD |
|-----|------------|------------------------------|----|------|
| 1 | 10/13/2015 | REV. PER ARMY CORPS COMMENTS | AR | AR |
| 2 | 05/01/2017 | REV. PER ARMY CORPS COMMENTS | AR | BE |

PROJECT No.: J110518
DRAWN BY: MJR
CHECKED BY: DJ
DATE: 09/16/2015
SCALE: AS SHOWN
CADID: J110518-CRS-08

PROJECT: SITE DEVELOPMENT FOR SIGNATURE FLIGHT SUPPORT TETERBORO AIRPORT BLOCK 203; PART OF LOT 1 BOROUGH OF TETERBORO BERGEN COUNTY, NEW JERSEY

BOHLER ENGINEERING

35 TECHNOLOGY DRIVE
WARREN, NJ 07059
Phone: (908) 668-8300
Fax: (908) 754-4291
www.BohlerEngineering.com
NJ CERT. OF AUTHORIZATION NO. 24521-11720

K.B. CAHILL

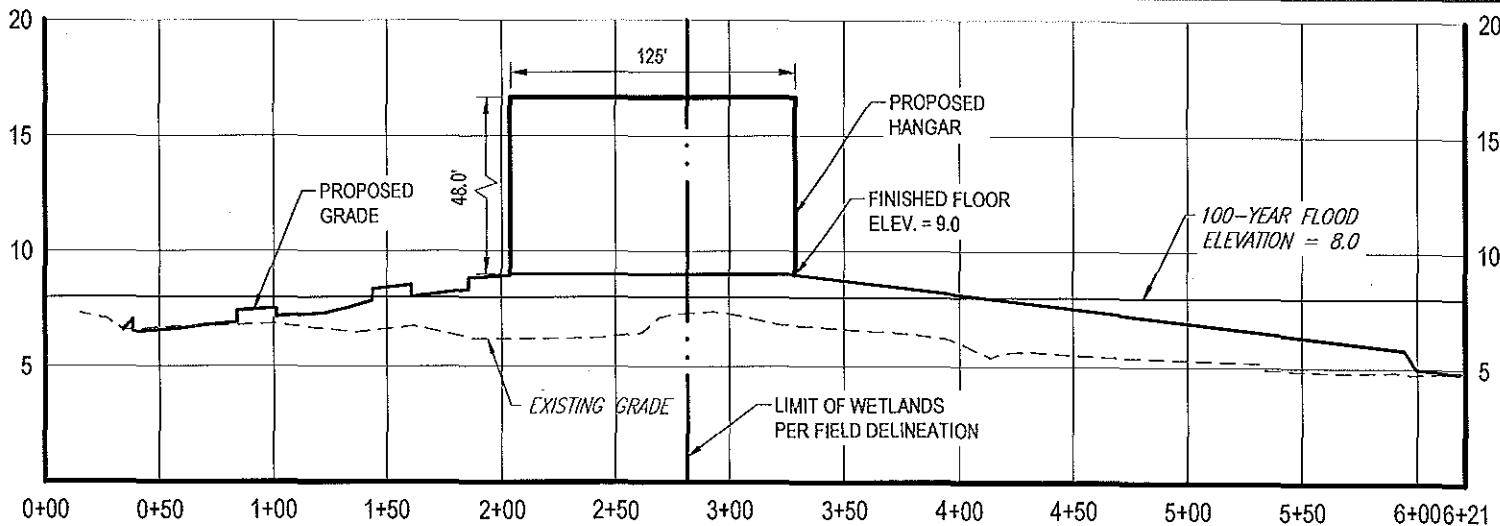
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 42004

SHEET TITLE:
PROP. CROSS-SECTIONS (A)

SHEET NUMBER: **21**
OF 23

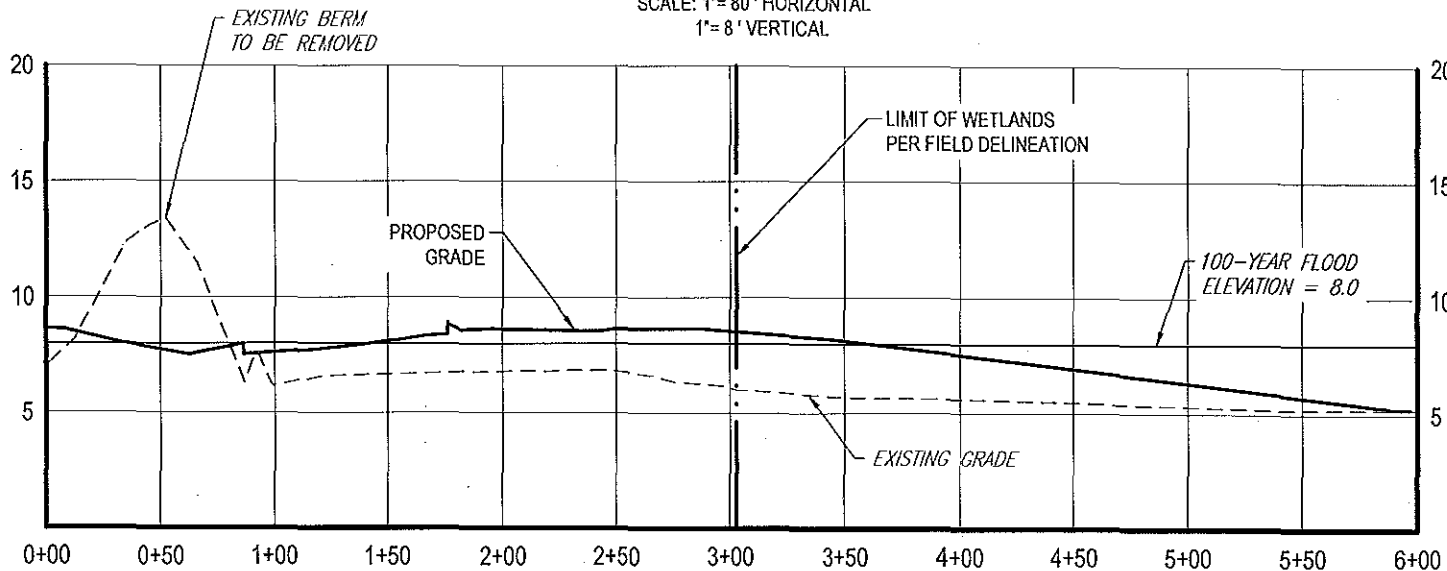
© 2015 | 1000 BOHLER DRIVE, SUITE 200, WILMINGTON, DE 19801 | TEL: 302.222.2222 | FAX: 302.222.2222

Figure 21 of 26



CROSS-SECTION #3

SCALE: 1" = 80' HORIZONTAL
1" = 8' VERTICAL



CROSS-SECTION #4

SCALE: 1" = 80' HORIZONTAL
1" = 8' VERTICAL

Figure 22 of 26

BOHLER ENGINEERING

SITE CIVIL AND CONSULTING ENGINEERING
 LAND SURVEYING PROGRAM MANAGEMENT LANDSCAPE ARCHITECTURE
 SUSTAINABLE DESIGN PERMITTING SERVICES TRANSPORTATION SURVEYING

* PHILADELPHIA, PA
 * UPRSTATE NEW YORK
 * NEW ENGLAND
 * NEW YORK METRO
 * NEW YORK, NY
 * NEW JERSEY

* NORTHERN VIRGINIA
 * CENTRAL VIRGINIA
 * ROANOKE, VA
 * RICHMOND, VA
 * CHARLOTTE, NC
 * TAMPA, FL
 * SOUTHERN HAWAIIAN ISLANDS
 * BOOTH FLORENCE

REVISIONS

| REV. | DATE | COMMENT | BY | CHKD. |
|------|------------|------------------------------|----|-------|
| 1 | 10/13/2016 | REV. PER ARMY CORPS COMMENTS | MR | MR |
| 2 | 08/01/2017 | REV. PER ARMY CORPS COMMENTS | MR | MR |

PROJECT NO: J110518
 DRAWN BY: MRS
 CHECKED BY: DJ
 DATE: 09/16/2015
 SCALE: AS SHOWN
 CAD ID: J110518-CRS-09

PROJECT: **SITE DEVELOPMENT**
 FOR
SIGNATURE FLIGHT SUPPORT
 TETERBORO AIRPORT
 BLOCK 203; PART OF LOT 1
 BOROUGH OF TETERBORO
 BERGEN COUNTY, NEW JERSEY

BOHLER ENGINEERING

35 TECHNOLOGY DRIVE
 WARREN, NJ 07059
 Phone: (908) 683-8300
 Fax: (908) 754-4401
www.BohlerEngineering.com
A LICENSED PROFESSIONAL ENGINEERING FIRM

K.B. CAHILL

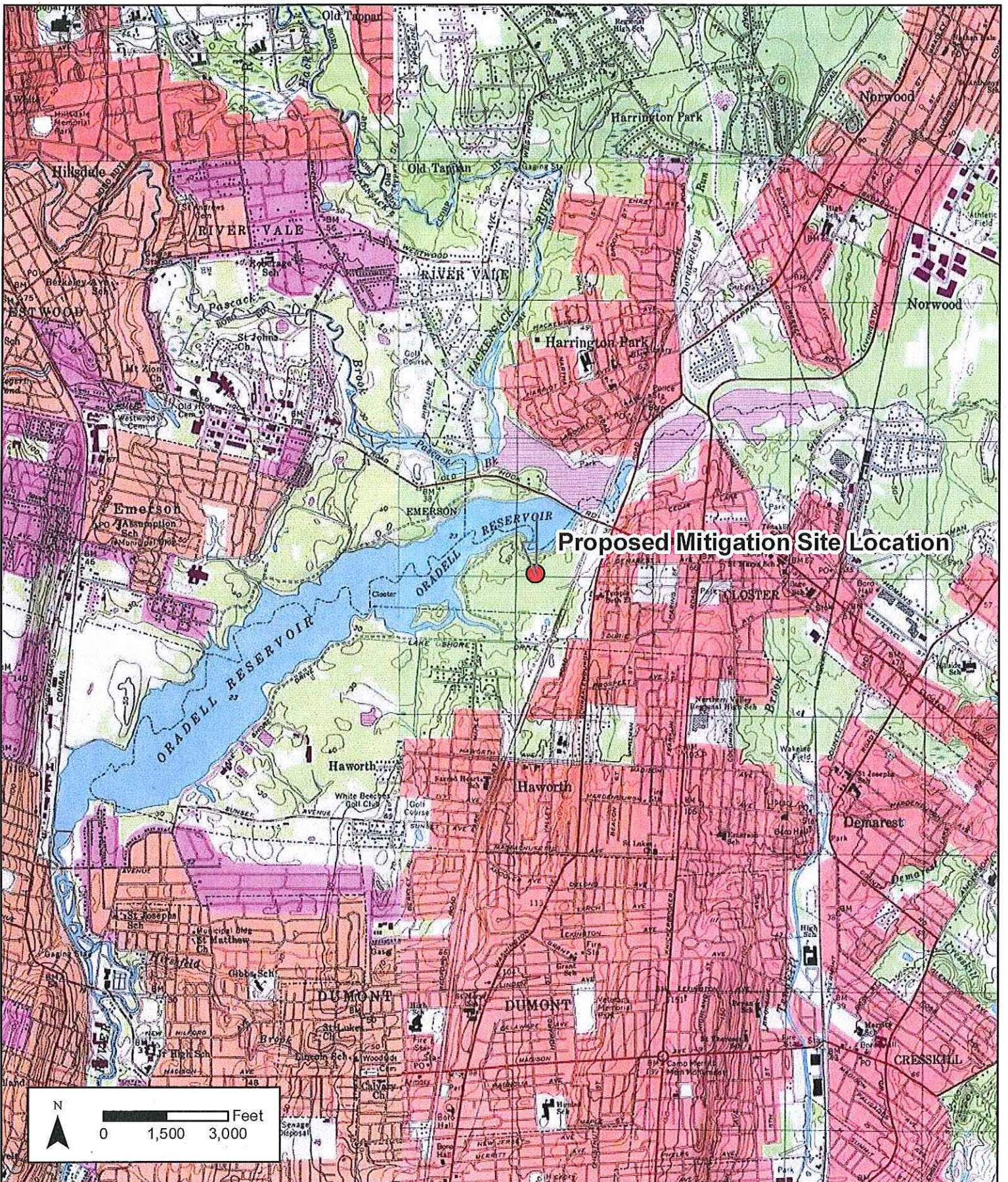
PROFESSIONAL ENGINEER

NEW JERSEY LICENSE No. 42094

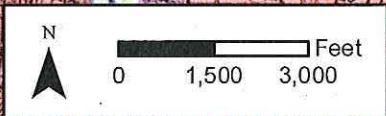
SHEET TITLE: **PROP. CROSS-SECTIONS (B)**

SHEET NUMBER: **22**

OF 23



Proposed Mitigation Site Location



 Proposed Mitigation Site Location

**Signature Flight Support
Expansion
Block 203, Lot 1
Borough of Teterboro, NJ**

GreenVest
VISION • PERFORMANCE • RESULTS

| | | |
|--|--|---|
| MARYLAND 2200 Somerville Rd Suite 300 Annapolis, MD 21401 410.887.5500 | NEW JERSEY 3175 Route 10 Suite 100 Donville, NJ 07834 732.902.8844 | NORTH CAROLINA 4406 Dewees Ct Raleigh, NC 27612 919.349.2224 |
|--|--|---|

USGS Mitigation Site Location Map

1 in = 3,000 ft @ 8.5 x 11 Date: 8/17/2017

Signature Flight Support Wetland Mitigation

Forested/Scrub-Shrub Mitigation

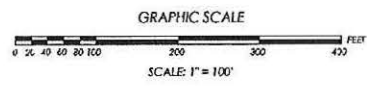
- Wetland Enhancement Area A1 - 7.35 ac.
- Wetland Creation Area - 1.16 ac
- Upland Enhancement Area - 1.01 ac

Emergent/Scrub-Shrub Mitigation

- Wetland Enhancement Area A2 - 4.20 ac

- WETLAND CREATION AREA
1.16 ACRES
- WETLAND ENHANCEMENT AREA A
12.72 ACRES
- WETLAND ENHANCEMENT AREA B
28.49 ACRES
- RIPARIAN ZONE RESTORATION AREA
0.455 ACRES
- UPLAND ENHANCEMENT AREA
1.01 ACRES

- LIMIT OF MITIGATION
- SOCR RIPARIAN BUFFER
- FLOOD HAZARD AREA BOUNDARY
- PROJECT PROPERTY BOUNDARY
- ADJACENT PROPERTY BOUNDARY
- MAJOR CONTOUR
- MINOR CONTOUR
- EDGE OF PAVEMENT
- GRAVEL/DIRT SERVICE ROAD
- FENCE
- TRENCH
- REGULATED WATERCOURSE
- WETLAND LINE
- WETLAND FLAG LOCATION
- SPOT ELEVATION, AERIAL-DERIVED
- SPOT ELEVATION, FIELD-YER RED



CALL BEFORE YOU DIG!
 NEW JERSEY LAW REQUIRES
 3 WORKING DAYS NOTICE FOR
 CONSTRUCTION PHASE AND 10 WORKING
 DAYS IN DESIGN STAGE - STOP CALL
 NEW JERSEY ONE CALL SYSTEM, INC.
 REFERENCE NEW JERSEY TITLE 48, CHPT. 2, ARTICLE 9
1-800-272-1000

- PROJECT NOTES**
- PROJECT DATA SOURCES:**
- HORIZONTAL DATUM IS NAD 1983 FEET, VERTICAL DATUM IS NAVD 1988 FEET.
 - PROPERTY BOUNDARY, AND TOPOGRAPHIC AND EXISTING SITE FEATURES WERE PROVIDED IN DIGITAL FORMAT BY GREENVEST, LLC, ON NOVEMBER 20 AND 23, 2012.
 - BOUNDARY & TOPOGRAPHIC SURVEY PREPARED FOR LOTS 2 & 4, BLOCK 201 AND LOTS 1, 2 & 3, BLOCK 201 BOROUGH OF CLOSTER, BERGEN COUNTY, NEW JERSEY AND LOTS 1 & 2, BLOCK 200 AND LOT 1, BLOCK 1100 BOROUGH OF HAWORTH, BERGEN COUNTY, NEW JERSEY BY MICHAEL A. CATALANO LAND SURVEYING-PLANNING, P.O. BOX 232, 1711 GIL STREET, NEWTON, NEW JERSEY 07660, DATED NOVEMBER 23, 2012.
 - TOPOGRAPHIC INFORMATION FROM AERIAL SURVEY FLOWN ON NOVEMBER 15, 1997 BY ATLANTIS AERIAL SURVEY CO., INC. AND WAS SUPERIMPOSED BY MICHAEL A. CATALANO LAND SURVEYING.
 - WETLAND DELINEATION COMPLETED BY GREENVEST, LLC IN JUNE 2012.
 - FLOOD HAZARD ELEVATIONS EL. 24.0 (REVISED 1975) OR EL. 23.0 (RATED 1987) HEIGHT ELEVATIONS DERIVED FROM THE STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION - DIVISION OF WATER RESOURCES, DELINEATION OF FLOODWAY AND FLOOD HAZARD AREA FOR ORADELL RESERVOIR, BOROUGH OF CLOSTER, BERGEN COUNTY, NEW JERSEY.
 - ELEVATIONS IN PARETHS HAVE BEEN CONVERTED TO NAVD 1929 BY ADDING 1.07 = 1.

| DATE | DESCRIPTION |
|------------------|-------------|
| REVISIONS | |

STATE OF NEW JERSEY CERTIFICATE OF AUTH. NO.: 24CA27976800

MARY L. PAIST-GOLDMAN
 Professional Engineer
 NJ Lic. No. GE-45798

DATE _____

PRINCETON HYDRO, LLC ph

SCIENTISTS AND ENGINEERS
 1108 OLD YORK ROAD, SUITE 1
 P.O. BOX 720
 RINGOES, NEW JERSEY 08551
 PHONE: 908.237.6660
 FAX: 908.237.5666
 WWW.PRINCETONHYDRO.COM

GreenVest
One Step Ahead.

PROJECT NAME/LOCATION:

ORADELL RESERVOIR MITIGATION SITE
 BLOCK 200, LOTS 1 & 2, AND BLOCK 1100 LOT 1,
 BOROUGH OF HAWORTH
 BLOCK 201, LOTS 2 & 3, BOROUGH OF CLOSTER
 BERGEN COUNTY, NEW JERSEY

DRAWING NAME:

MITIGATION PLAN FOR
 SIGNATURE FLIGHT SUPPORT

| | |
|--------------|------------|
| DATE: | 04/24/2013 |
| PROJECT NO.: | 995.017 |
| SCALE: | 1" = 100' |
| DRAWN BY: | LK/LC |
| CHECKED BY: | MPG |

SHEET NO.

2A 3

OF

Figure 25 of 26

Signature Flight Support Wetland Mitigation

Forested/Scrub-Shrub Mitigation

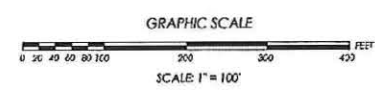
- Wetland Enhancement Area A1 - 7.35 ac.
- Wetland Creation Area - 1.16 ac
- Upland Enhancement Area - 1.01 ac

Emergent/Scrub-Shrub Mitigation

- Wetland Enhancement Area A2 - 4.20 ac



- WETLAND CREATION AREA
1.16 ACRES
- WETLAND ENHANCEMENT AREA A
13.72 ACRES
- WETLAND ENHANCEMENT AREA B
28.43 ACRES
- RIPARIAN ZONE RESTORATION AREA
0.655 ACRES
- UPLAND ENHANCEMENT AREA
1.01 ACRES
- UNIT OF MITIGATION
- 300' RIPARIAN BUFFER
- FLOOD HAZARD AREA BOUNDARY
- PROJECT PROPERTY BOUNDARY
- ADJACENT PROPERTY BOUNDARY
- MAJOR CONTOUR
- MINOR CONTOUR
- EDGE OF PAVEMENT
- GRAVEL/ASH SERVICE ROAD
- FENCE
- TRAIL
- REGULATED WATERCOURSE
- WETLAND LINE
- WETLAND FLAG LOCATION
- SPOT ELEVATION, AERIAL DERIVED
- SPOT ELEVATION, FIELD VISUAL



CALL BEFORE YOU DIG!
 NEW JERSEY LAW REQUIRES
 3 WORKING DAYS NOTICE FOR
 CONSTRUCTION PHASE AND 10 WORKING
 DAYS IN DESIGN STAGE - STOP CALL
 NEW JERSEY ONE CALL SYSTEM, INC.
 REFERENCE NEW JERSEY TITLE 48, CHPT. 2, ARTICLE 9
 1-800-272-1000

PROJECT NOTES

PROJECT DATA SOURCES:

- HORIZONTAL DATUM IS 'NAD 1983 FEET, VERTICAL DATUM IS 'NAVD 1988 FEET.
- PROPERTY BOUNDARY, AND TOPOGRAPHIC AND EXISTING SITE FEATURES WERE PROVIDED IN DIGITAL FORMAT BY GREENVEST, LLC, ON NOVEMBER 20 AND 28, 2012.
- BOUNDARY & TOPOGRAPHIC SURVEY PREPARED FOR LOTS 2 & 4, BLOCK 101 AND LOTS 1, 2 & 3, BLOCK 201 BOROUGH OF CLOSTER, BERGEN COUNTY, NEW JERSEY AND LOTS 1 & 2, BLOCK 200 AND LOT 1, BLOCK 1100 BOROUGH OF HAWORTH, BERGEN COUNTY, NEW JERSEY, BY MICHAEL A. CATALANO LAND SURVEYING - PLANNING, P.O. BOX 252, 17 HIGH STREET, HENYON, NEW JERSEY 07646, DATED NOVEMBER 23, 2012.
- TOPOGRAPHIC INFORMATION FROM AERIAL SURVEY FLOWN ON NOVEMBER 16, 1997 BY AIRLANS AERIAL SURVEY CO., INC. AND WAS SUPPLEMENTED BY MICHAEL A. CATALANO LAND SURVEYING.
- WETLAND DELINEATION COMPLETED BY GREENVEST, LLC IN JUNE 2012.
- FLOOD HAZARD ELEVATION IS EL. 24.0 (NGVD 1929) OR EL. 23.0 (NAVD 1988) HEIGHT ELEVATIONS DERIVED FROM THE STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION - DIVISION OF WATER RESOURCES. DELINEATION OF FLOODWAY AND FLOOD HAZARD AREA FOR ORADELL RESERVOIR, BOROUGH OF CLOSTER, BERGEN COUNTY, NEW JERSEY.
- ELEVATIONS BY NAVD 1988 CAN BE CONVERTED TO NGVD 1929 BY ADDING 1.01211.

| DATE | DESCRIPTION |
|-----------|-------------|
| REVISIONS | |

STATE OF NEW JERSEY CERTIFICATE OF AUTHORITY
 No.: 24GA27976800

MARY L. PAIST-GOLDMAN
 Registered Professional Engineer
 NJ Lic. No. GE-45798

DATE _____

PRINCETON HYDRO, LLC **PH**

SCIENTISTS AND ENGINEERS
 1108 OLD YORK ROAD, SUITE 1
 P.O. BOX 720
 RINGOES, NEW JERSEY 08551
 PHONE: 908.237.5660
 FAX: 908.237.5666
 WWW.PRINCETONHYDRO.COM

GreenVest
One Step Ahead.

PROJECT NAME/LOCATION:
 ORADELL RESERVOIR MITIGATION SITE
 BLOCK 200, LOTS 1 & 2, AND BLOCK 1100 LOT 1,
 BOROUGH OF HAWORTH
 BLOCK 201, LOTS 2 & 3, BOROUGH OF CLOSTER
 BERGEN COUNTY, NEW JERSEY

DRAWING NAME:
 MITIGATION PLAN FOR
 SIGNATURE FLIGHT SUPPORT

| | |
|--------------|------------|
| DATE: | 04/24/2013 |
| PROJECT NO.: | 995.017 |
| SCALE: | 1" = 100' |
| DRAWN BY: | LK/LC |
| CHECKED BY: | MPG |

SHEET NO. **2B** **3**
 OF

Figure 2b of 2b