



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-2016-00513-WCA
Issue Date: **August 14, 2017**
Expiration Date: **September 12, 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: First Aviation Services
d/b/a Signature Flight Support Corporation
101 Charles A. Lindbergh Drive
Teterboro, New Jersey 07608

Co-Applicant: Port Authority of New York and New Jersey
90 Moonachie Avenue
Teterboro, New Jersey 07608

ACTIVITY: Discharge fill material into waters of the United States to facilitate the construction and installation of two new aircraft hangars with associated office space, a paved aircraft apron area, a retaining wall, and access road.

WATERWAY: East and West Riser Ditch (Hackensack River Watershed)

LOCATION: Borough of Moonachie (Portion of Block 76, Lot 1.02) Borough of Teterboro (Portion of Block 203, Lot 1), 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

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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.

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/FS) on all actions, or proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH). Based on a preliminary review of the "Guide to Essential Fish Habitat Designations in the Northeastern United States", issued by the National Oceanic and Atmospheric Administration/National Marine Fisheries Services (NOAA/NMFS), it appears that the proposed activities within the project area would not impact EFH for any of the aquatic species or their life stages. Further consultation with NOAA/NMFS 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 has obtained 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.

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In addition to any required water quality certificate and coastal zone management program concurrence, the applicant has obtained the following governmental authorization for the activity under consideration:

- New Jersey Department of Environmental Protection Flood Hazard Individual 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.

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, First Aviation Services d/b/a Signature Flight Support Corporation (FAS), and co-applicant, the Port Authority of New York and New Jersey (Port Authority), have requested authorization to discharge approximately 65,000 cubic yards of fill material into 7.18 acres of waters of the United States, including wetlands, to facilitate the construction and installation of two new aircraft hangars with associated office space, a paved aircraft apron area, and an associated retaining wall, access road, and parking area. The proposed activities would take place at the existing FAS Facility located within the Teterboro Airport (TEB). The project site is situated within the Hackensack River watershed, in the Boroughs of Moonachie and Teterboro, Bergen County, New Jersey.

The FAS hangar expansion project would include the construction and installation of two new 40,000-square-foot aircraft hangars; a new one-story 7,500 square-foot office; a new two story 15,000 square-foot office (ground floor 7,500 square feet); 227,000 square feet of new apron area; 28,700 square feet of vehicle parking (91 spaces), an approximately 2050-foot long by 2-foot wide retaining wall, and an approximately 700-foot long by 25-foot wide access road. The parking area would be used by pilots, flight attendants, mechanics, dispatchers, passengers and vendors. The proposed access road would extend from the existing FAS facility parking lot to the new proposed parking lot.

The proposed fill placed on the site would raise the elevation of the project area from approximately 2.0 feet to 8.0 feet in the hangar space area, and 9.0 feet in the office space (North American Vertical Datum, 1988, NAVD 88). As a result, approximately 7.18 acres of waters of the United States, including wetlands would be permanently impacted. Of the 7.18 acres, approximately 6.66 acres would consist of non-tidal emergent wetlands (dominated by common reed, *Phragmites australis*), and 0.52 acres would consist of non-tidal scrub shrub and forested wetlands. No temporary wetland impacts are anticipated.

To compensate for the permanent impacts to waters of the United States associated with the proposed project, the applicants propose to:

- Dedicate 6.66 mitigation credits of Port Authority's previously purchased mitigation credits (from the federally approved Richard P. Kane Wetland Mitigation Bank located in the Hackensack Meadowlands District), to compensate for the 6.66 acres of non-tidal emergent wetland impacts; and
- Enhance 1.56 acres of non-tidal scrub shrub and forested wetlands at a 44.37 acre site located along the Oradell Reservoir in the Borough of Closter, Bergen County, New Jersey, to compensate for the 0.52 acres of scrub shrub and forested wetland impacts associated with the project proposal.

The applicants stated purpose of the FAS aircraft hangar expansion project is to:

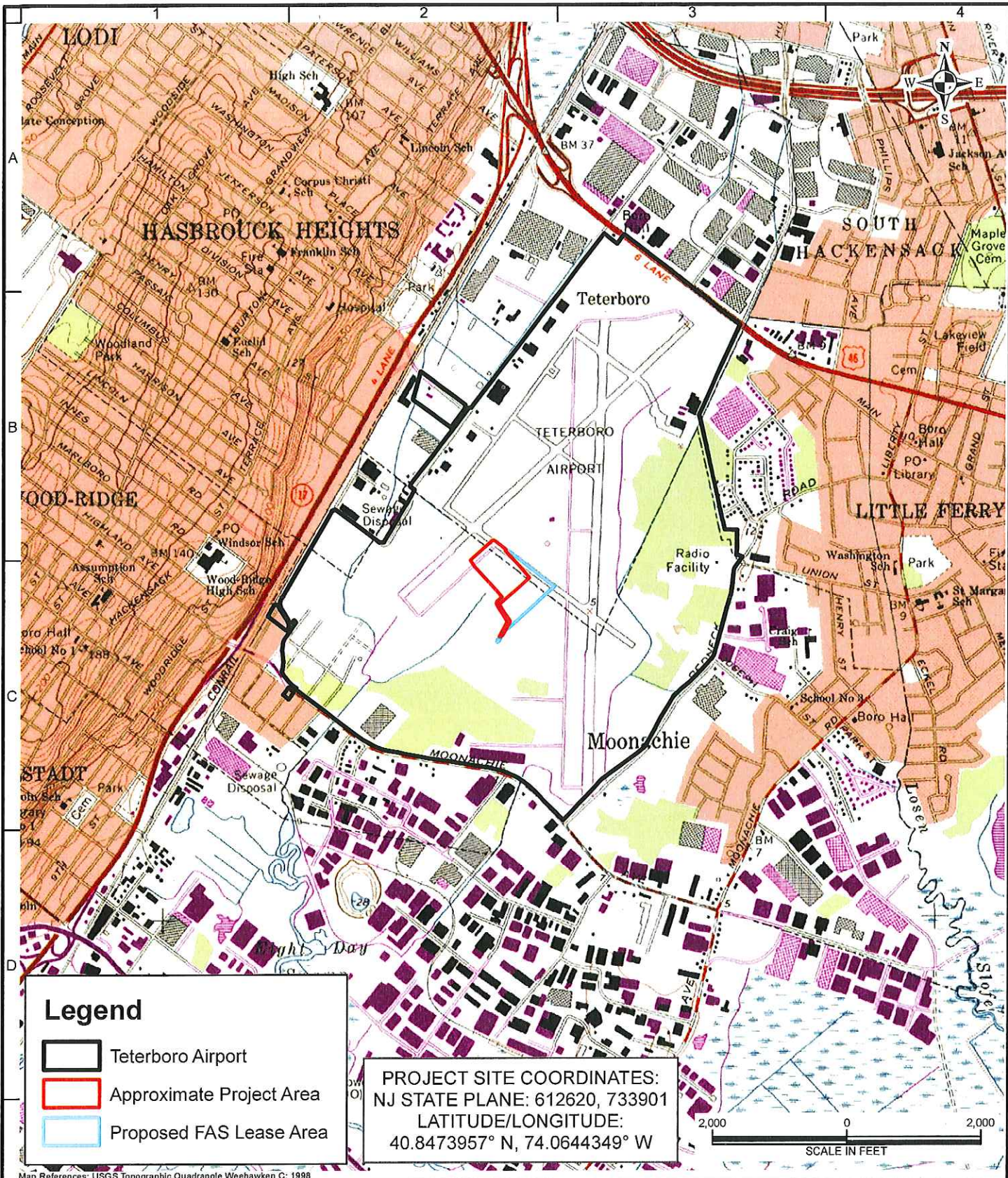
- Address the physical space requirements and maintenance demands of the "next generation" aircraft already using the airport;
- Help meet Teterboro Airport sustainability goals of reducing air and noise pollution by reducing unnecessary "ferry" flights;
- Reduce arrival and departure delays caused by overcrowded taxiways;
- Address operational congestion at the airport;

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- Improve the safety and efficiency of the existing FAS 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 applicants have stated that the size of the aircraft flying into, flying out of, and basing at TEB is increasing. This increase in the physical aircraft footprint, along with fundamental design changes to the new aircraft, have resulted in fewer aircraft being able to be stored at the existing FAS hangars and apron, and other TEB facilities, than just a decade ago. The proposed expansion project would address the loss of aircraft parking capacity at the existing FAS facility; would provide additional hangar and apron space for waiting and future FAS customers, and would help to reduce environmental impacts by reducing unnecessary “ferry” flights from nearby airports.

The applicants have additionally stated that the chosen alternative, as described above, was designed to avoid and minimize impacts to waters of the United States while still achieving the project purpose.



Map References: USGS Topographic Quadrangle Weehawken C: 1998

LANGAN

300 Kimball Drive
 Parsippany, NJ 07054
 T: 973.560.4900 F: 973.560.4901 www.langan.com

Langan Engineering & Environmental Services, Inc.
 Langan Engineering, Environmental, Surveying and
 Landscape Architecture, D.P.C.
 Langan International LLC
 Collectively known as Langan

NJ CERTIFICATE OF AUTHORIZATION No. 24GA27986400

Project

FIRST AVIATION SERVICES EXPANSION

BLOCK 76, LOT 1.02
 BOROUGH OF MOONACHIE
 & BLOCK 203, LOT 1
 BOROUGH OF TETERBORO

BERGEN COUNTY

NEW JERSEY

Drawing Title

USGS SITE LOCATION MAP

Project No.
001642424

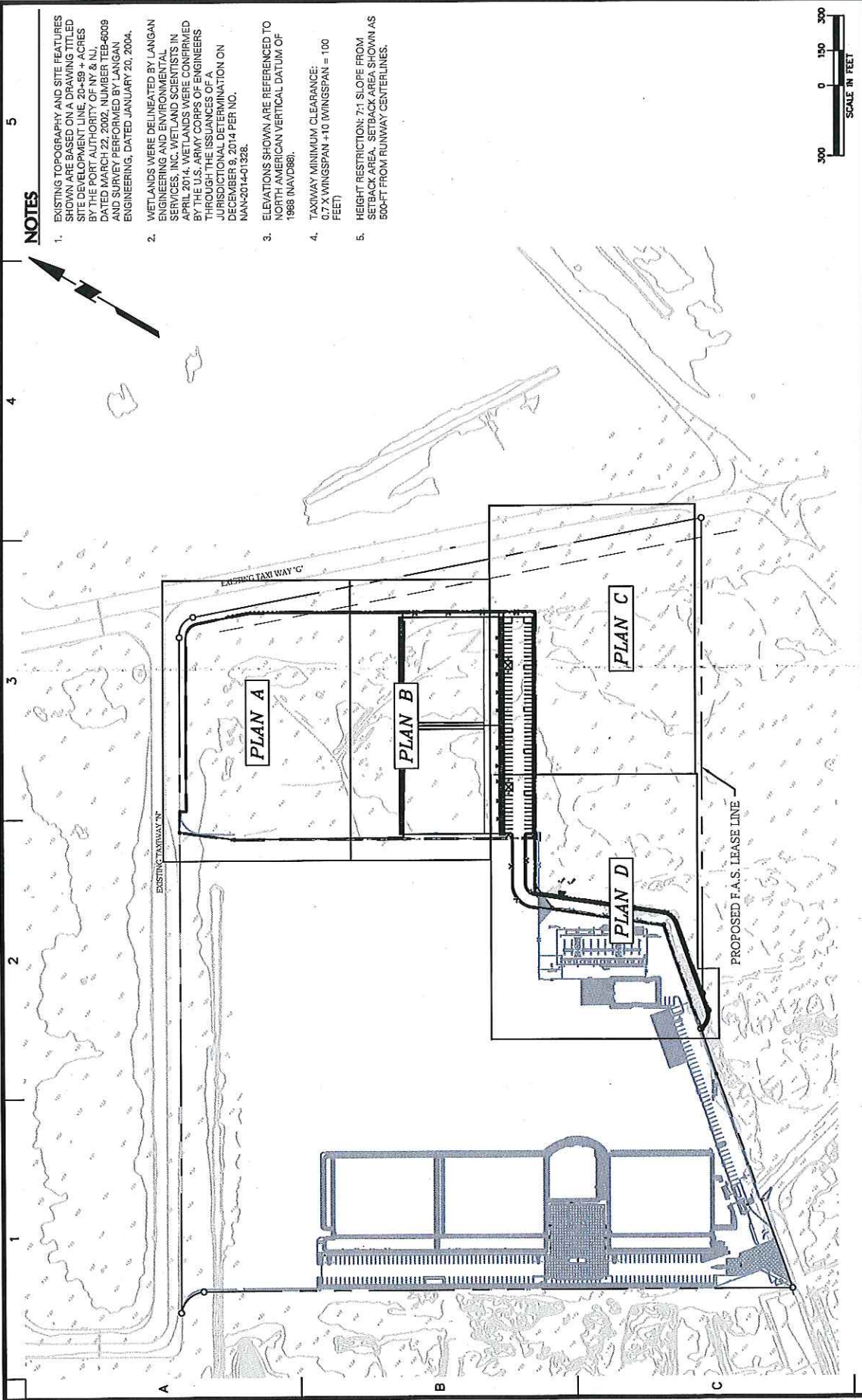
Date
9/22/2016

Scale
1" = 2,000'

Drawn By
MWen

Figure

1/17



NOTES

1. EXISTING TOPOGRAPHY AND SITE FEATURES SHOWN ARE BASED ON A DRAWING TITLED SITE DEVELOPMENT LINE, 20-59 + ACRES BY THE PORT AUTHORITY OF NY & NJ, DATED MARCH 22, 2002, NUMBER TEB-6009 AND SURVEY PERFORMED BY LANGAN ENGINEERING, DATED JANUARY 20, 2004.
2. WETLANDS WERE DELINEATED BY LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES, INC. WETLAND SCIENTISTS IN APRIL 2014. WETLANDS WERE CONFIRMED BY THE U.S. ARMY CORPS OF ENGINEERS THROUGH THE ISSUANCES OF A JURISDICTIONAL DETERMINATION ON DECEMBER 9, 2014 PER NO. NAAN-2014-01328.
3. ELEVATIONS SHOWN ARE REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
4. TAXIWAY MINIMUM CLEARANCE: 0.7 X WINGSPAN + 10 (WINGSPAN = 100 FEET)
5. HEIGHT RESTRICTION: 7:1 SLOPE FROM SETBACK AREA. SETBACK AREA SHOWN AS 500-FT FROM RUNWAY CENTERLINES.

Project No.	1642424
Date	09/22/2016
Scale	1" = 300'
Drawn By	Checked By
Submission Date	09/22/2016

Drawing No. **SP-101 COVER PAGE**

Drawing Title
SITE PLAN PARTIAL PLANS

Project
FIRST AVIATION SERVICES EXPANSION PROJECT

TETERBORO NEW JERSEY

LANGAN
21 Penn Plaza, 360 West 31st Street, 8th Floor
New York, NY 10001
T: 212.479.5400 F: 212.479.5444 www.langan.com
Langan Engineering, Environmental, Surveying and Architecture, D.P.C., S.A.
Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
Langan Engineering and Environmental Services, Inc.
Langan CT, Inc.
Langan International LLC
Collectively known as Langan

Sheet	1	of	5
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Figure 2 of 17

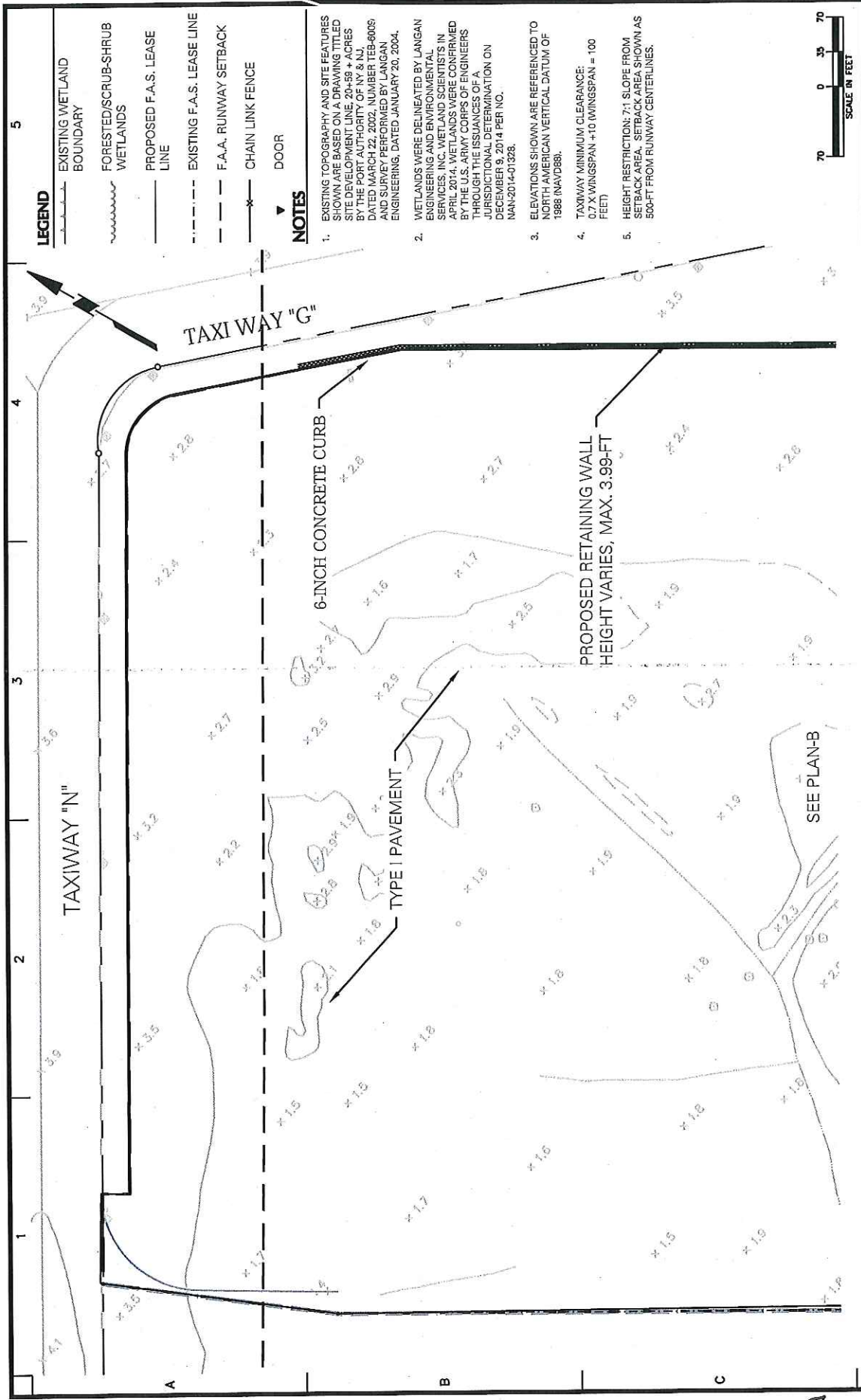
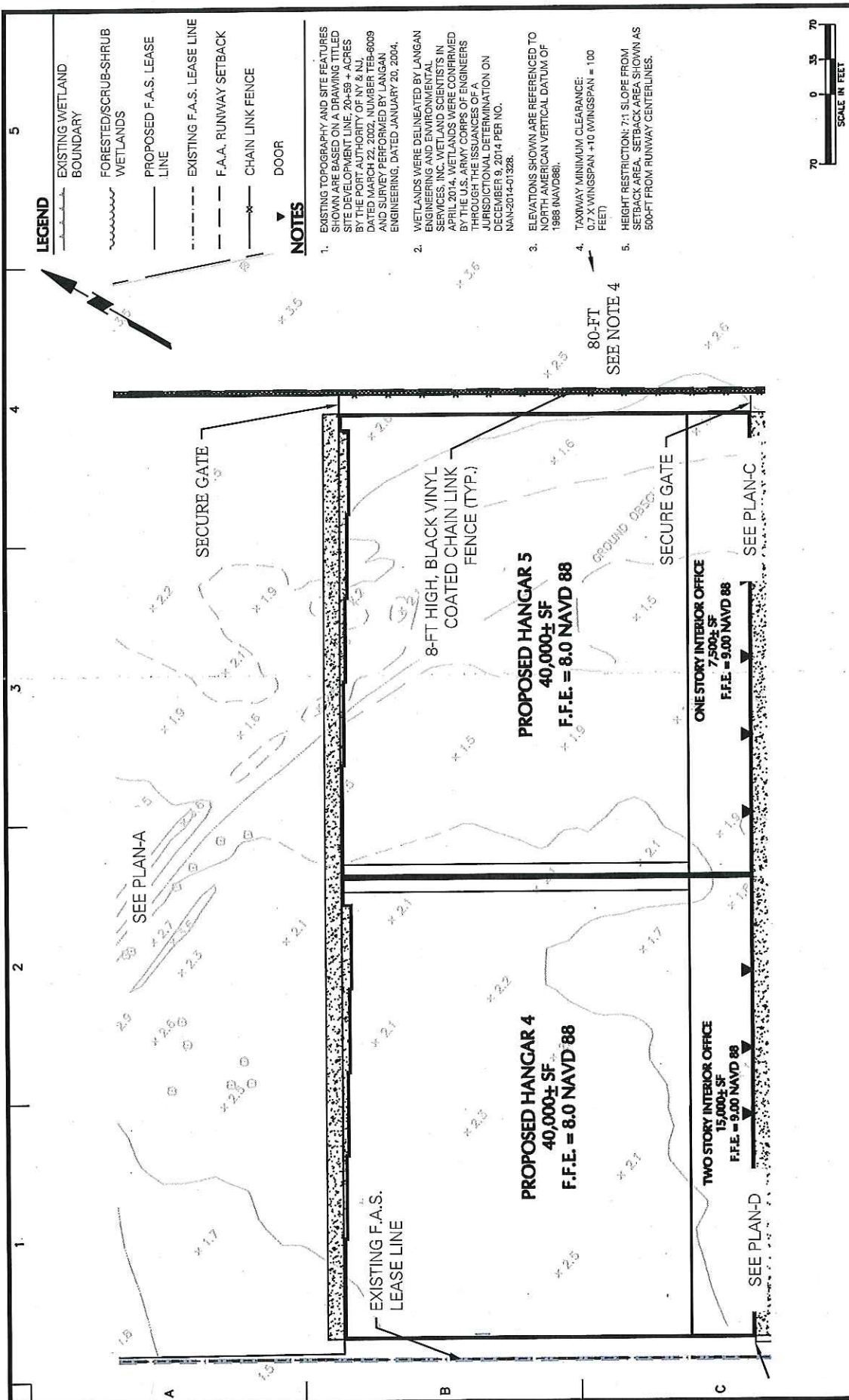
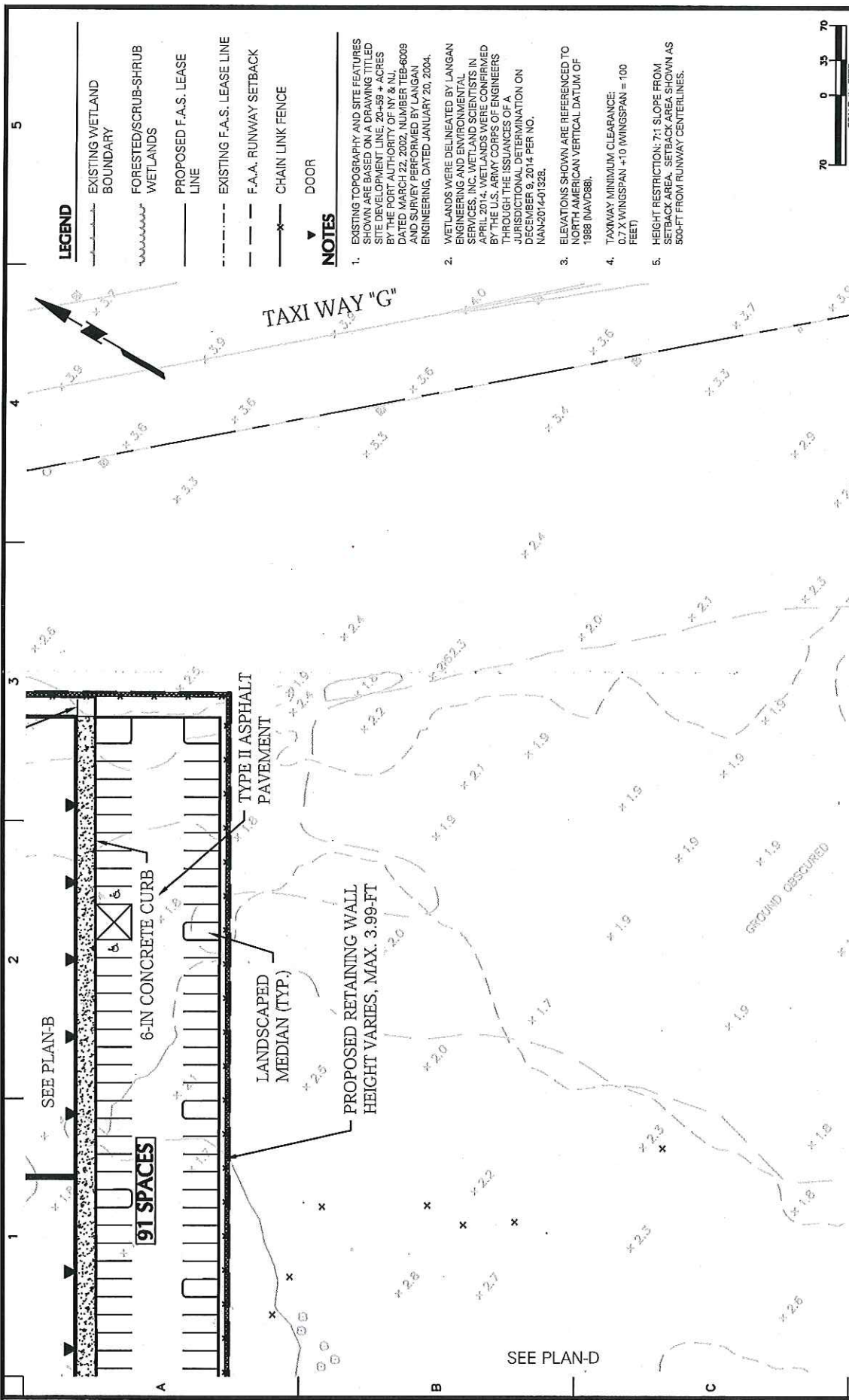


Figure 3 of 17



LANGAN 21 Penn Plaza, 360 West 31st Street, 8th Floor New York, NY 10001 T: 212.479.5400 F: 212.479.5444 www.langan.com Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C. S.A. Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C. Langan Engineering and Environmental Services, Inc. Langan CT, Inc. LLC Langan NJ, Inc. LLC Collectively known as Langan	Project FIRST AVIATION SERVICES EXPANSION PROJECT TETERBORO NEW JERSEY	Drawing Title SITE PLAN PARTIAL PLANS	Project No. 1642424	Drawing No. SP-101 PLAN B
			Date 09/22/2016	Scale 1" = 70'
Submitted By [Signature]		Checked By [Signature]	Submission Date 09/22/2016	Sheet 3 of 5

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LEGEND

- EXISTING WETLAND BOUNDARY
- ~~~~~ FORESTED/SCRUB-SHRUB WETLANDS
- PROPOSED F.A.S. LEASE LINE
- - - EXISTING F.A.S. LEASE LINE
- - - F.A.A. RUNWAY SETBACK
- - - CHAIN LINK FENCE
- ▼ DOOR

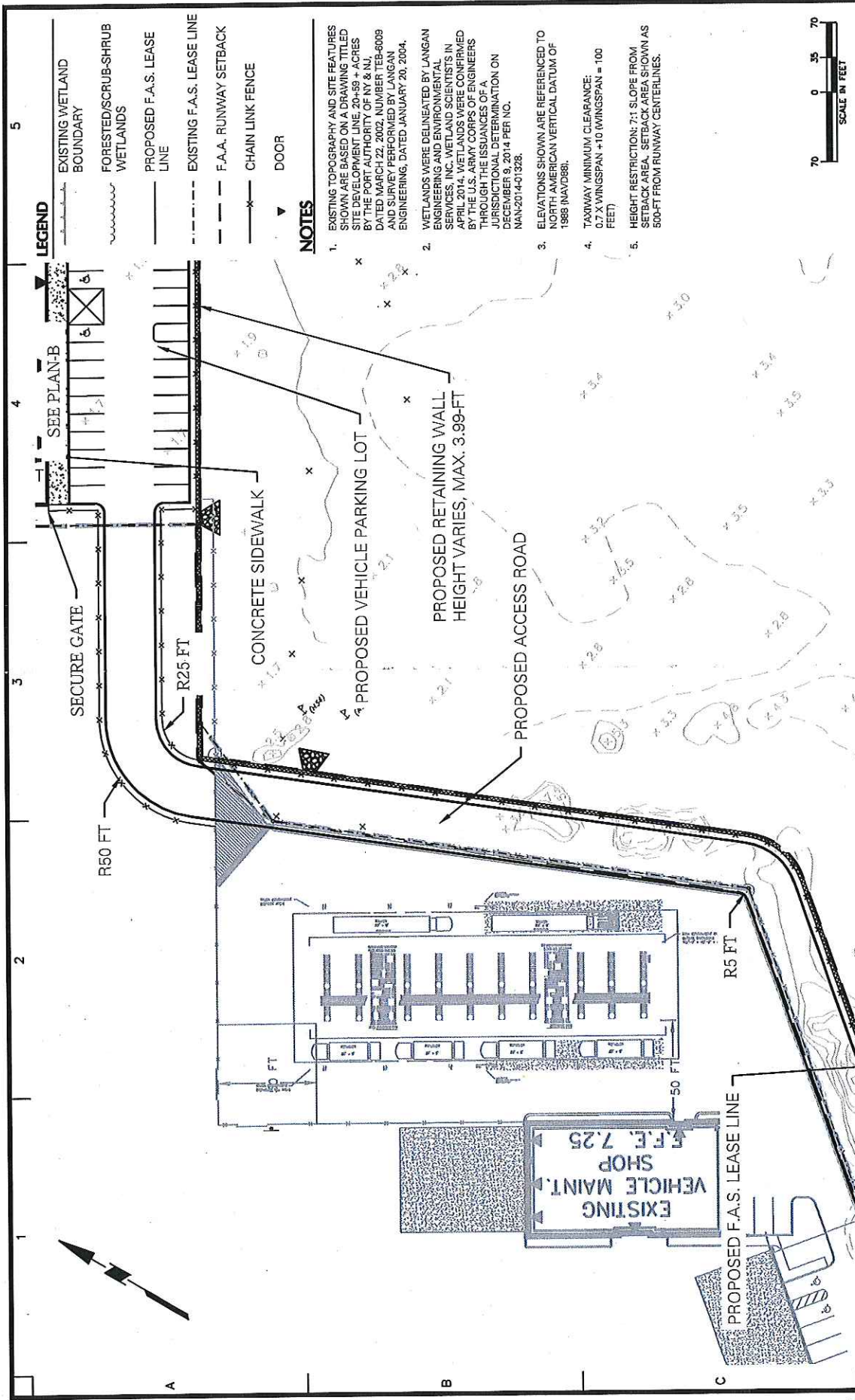
NOTES

1. EXISTING TOPOGRAPHY AND SITE FEATURES SHOWN ARE BASED ON A DRAWING TITLED SITE DEVELOPMENT LINE, 20+59 + ACRES BY THE PORT AUTHORITY OF NY & NJ, DATED MARCH 22, 2002, NUMBER TEB-6009 AND SURVEY PERFORMED BY LANGAN ENGINEERING, DATED JANUARY 20, 2004.
2. WETLANDS WERE DELINEATED BY LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES, INC. WETLAND SCIENTISTS IN APRIL 2014. WETLANDS WERE CONFIRMED BY THE U.S. ARMY CORPS OF ENGINEERS THROUGH THE ISSUANCES OF A JURISDICTIONAL DETERMINATION ON DECEMBER 9, 2014 PER NO. NAW-2014-01528.
3. ELEVATIONS SHOWN ARE REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
4. TAXIWAY MINIMUM CLEARANCE: 0.7 X WINGSPAN + 10 (WINGSPAN = 100 FEET)
5. HEIGHT RESTRICTION: 7:1 SLOPE FROM SETBACK AREA. SETBACK AREA SHOWN AS 500-FT FROM RUNWAY CENTERLINES.



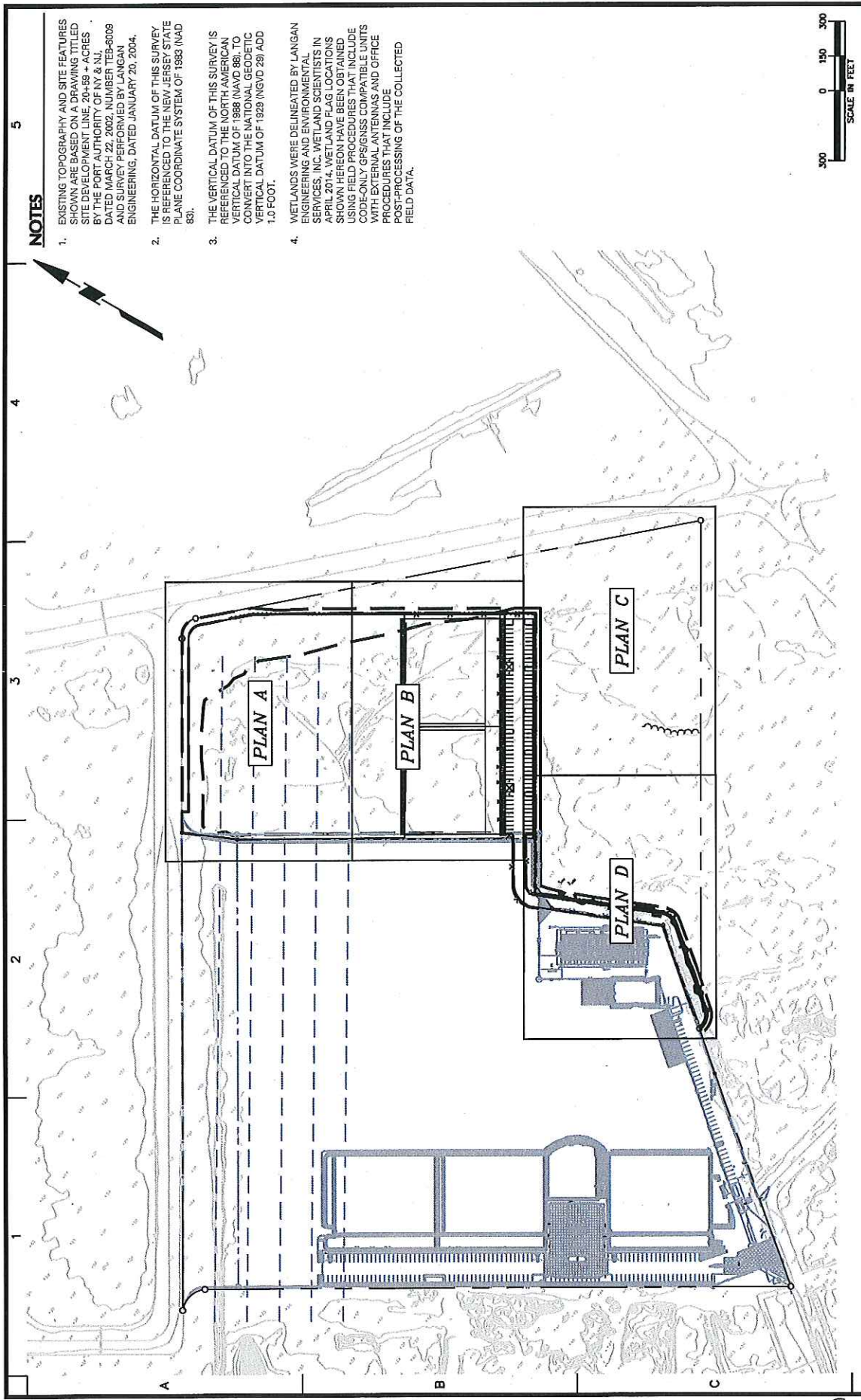
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		Project No. 1642424 Date 09/22/2016 Scale 1" = 70' Drawn By / Checked By	Drawing No. SP-101 PLAN C
LANGAN 21 Penn Plaza, 360 West 31st Street, 8th Floor New York, NY 10001 T: 212.479.5400 F: 212.479.5444 www.langan.com Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C. S.A. Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C. S.A. Langan Engineering and Environmental Services, Inc. Langan CT, Inc. Langan International LLC Collectively known as Langan		Submission Date 09/22/2016 Sheet 4 of 5	

Figure 5 of 17



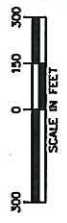
LANGAN 21 Penn Plaza, 360 West 31st Street, 8th Floor New York, NY 10001 T: 212.479.5400 F: 212.478.5444 www.langan.com Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C. S.A. Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C. Langan Engineering and Environmental Services, Inc. Langan C1, Inc. Langan C2, LLC Collectively known as Langan	Project FIRST AVIATION SERVICES EXPANSION PROJECT	Drawing Title SITE PLAN PARTIAL PLANS	Project No. 1642424	Drawing No. SP-101 PLAN D
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Sheet 5 of 5				

Figure 6 of 17



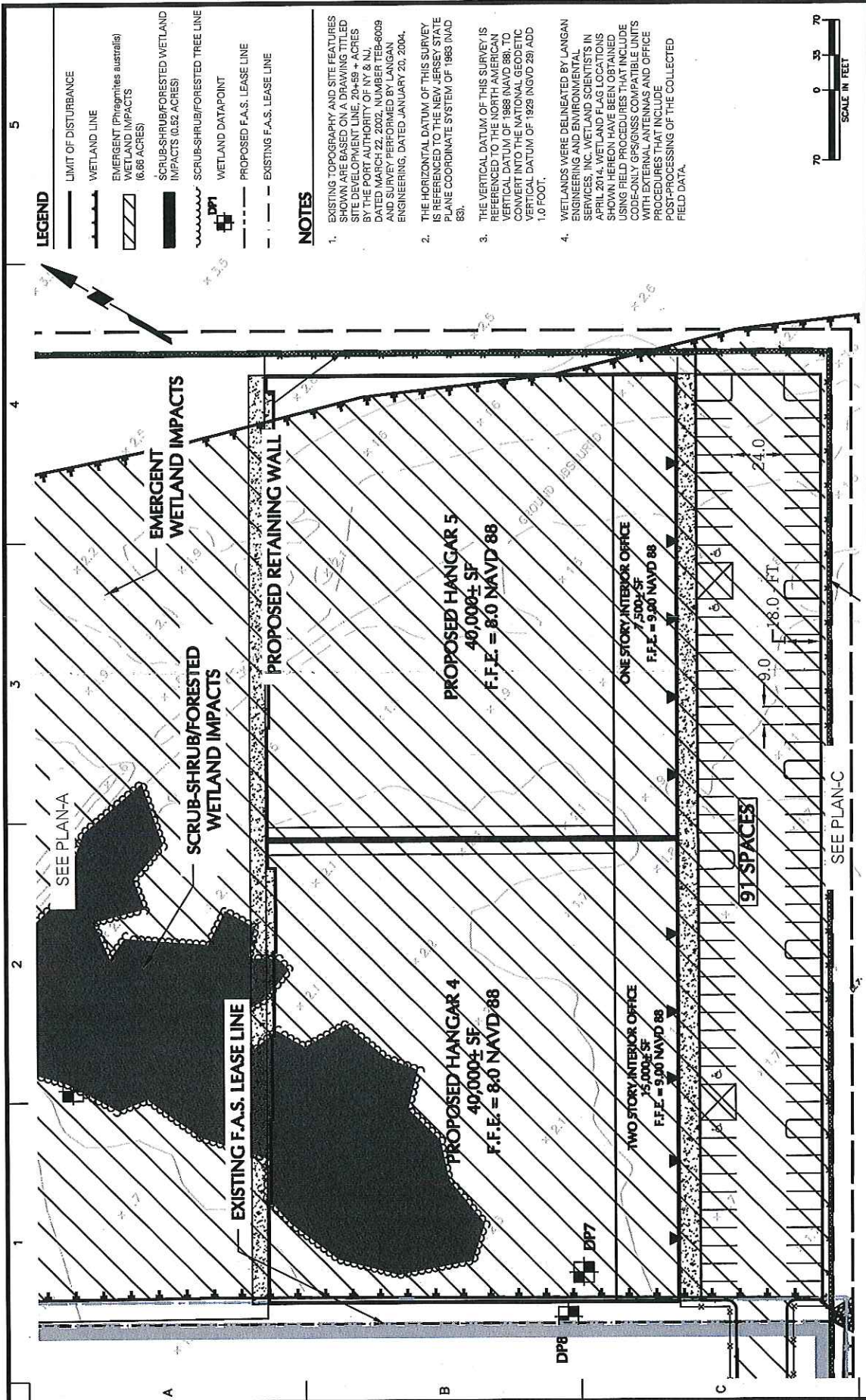
NOTES

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- THE HORIZONTAL DATUM OF THIS SURVEY IS REFERENCED TO THE NEW JERSEY STATE PLANE COORDINATE SYSTEM OF 1983 (NAD 83).
- THE VERTICAL DATUM OF THIS SURVEY IS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). TO CONVERT INTO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29) ADD 1.0 FOOT.
- WETLANDS WERE DELINEATED BY LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES, INC. WETLAND SCIENTISTS IN APRIL 2014. WETLAND FLAG LOCATIONS SHOWN HEREON HAVE BEEN OBTAINED USING FIELD PROCEDURES THAT INCLUDE CODE-ONLY GPS/GNSS COMPATIBLE UNITS WITH EXTERNAL ANTENNAS AND OFFICE PROCEDURES THAT INCLUDE POST-PROCESSING OF THE COLLECTED FIELD DATA.



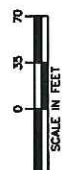
<p>LANGAN 21 Penn Plaza, 360 West 31st Street, 8th Floor New York, NY 10001 T: 212.475.5400 F: 212.475.5444 www.langan.com Langan Engineering, Environmental, Surveying and Technology, Inc. D.P.C. Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C. Langan Engineering and Environmental Services, Inc. Langan CT, Inc. Langan International LLC Collectively known as Langan</p>		<p>Project FIRST AVIATION SERVICES EXPANSION PROJECT TETERBORO NEW JERSEY</p>		<p>Drawing Title WETLAND IMPACT PARTIAL PLANS</p>		<p>Project No. 1642424</p>		<p>Drawing No. WC-101 COVER PAGE</p>	
<p>WETLAND IMPACTS SCRUB-SHRUB/FORESTED WETLAND IMPACTED = 0.52 ACRES EMERGENT WETLAND IMPACTED = 6.66 ACRES TOTAL WETLAND IMPACTED = 7.18 ACRES</p>		<p>Date 09/17/2016</p>		<p>Scale 1" = 300'</p>		<p>Drawn By Checked By</p>		<p>Submission Date 09/17/2016</p>	
								<p>Sheet 1 of 5</p>	

Figure 7 of 17



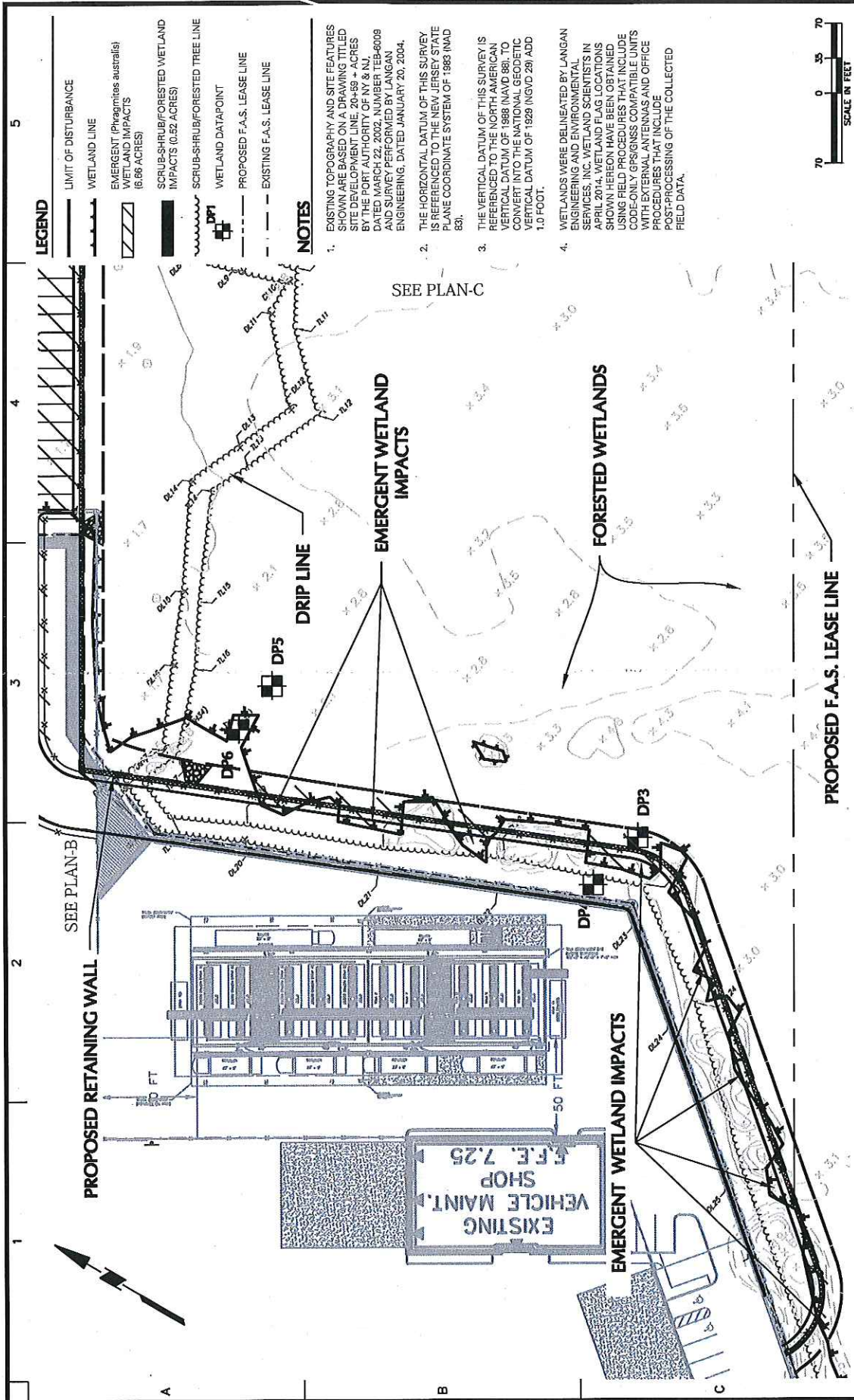
- LEGEND**
- LIMIT OF DISTURBANCE
 - WETLAND LINE
 - EMERGENT (Phragmites australis) WETLAND IMPACTS (0.66 ACRES)
 - SCRUB-SHRUB/FORESTED WETLAND IMPACTS (0.52 ACRES)
 - WETLAND DATAPoint
 - PROPOSED F.A.S. LEASE LINE
 - EXISTING F.A.S. LEASE LINE

- NOTES**
- EXISTING TOPOGRAPHY AND SITE FEATURES SHOWN ARE BASED ON A DRAWING TITLED SITE DEVELOPMENT LINE, 20-59 + ACRES, BY THE PORT AUTHORITY OF NY & NJ, DATED MARCH 22, 2002, NUMBER TEB-6009 AND SURVEY PERFORMED BY LANGAN ENGINEERING, DATED JANUARY 20, 2004.
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 - WETLANDS WERE DELINEATED BY LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES, INC. WETLAND SCIENTISTS IN APRIL 2014. WETLAND L&S LOCATIONS SHOWN ARE BASED ON FIELD DATA AND USING FIELD PROCEDURES THAT INCLUDE CODE-ONLY CENSUS, COMPATIBLE UNITS WITH EXTERNAL ANTENNAS AND OFFICE PROCEDURES THAT INCLUDE POST-PROCESSING OF THE COLLECTED FIELD DATA.



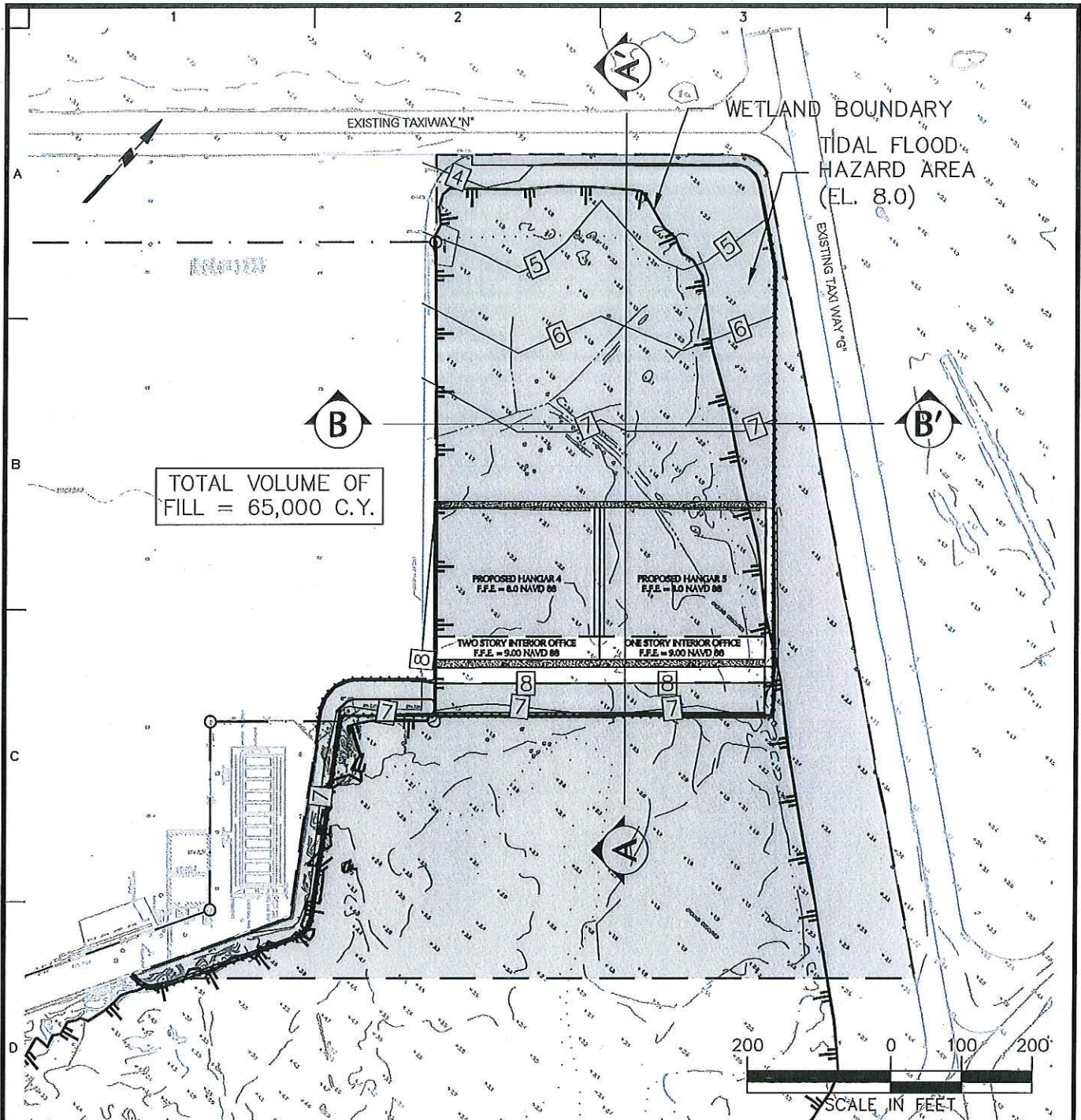
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Date 09/17/2016		PLAN B	
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WETLAND IMPACT PARTIAL PLANS			
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LANGAN 21 Penn Plaza, 360 West 31st Street, 8th Floor New York, NY 10001 T: 212-279-5400 F: 212-279-5444 www.langan.com Langan Engineering, Environmental, Surveying and Technology Architecture, D.P.C. Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C. Langan Engineering and Environmental Services, Inc. Langan CT, Inc. Langan International LLC Collectively known as Langan			
WETLAND IMPACTS SCRUB-SHRUB/FORESTED WETLAND IMPACTED = 0.52 ACRES EMERGENT WETLAND IMPACTED = 6.68 ACRES TOTAL WETLAND IMPACTED = 7.18 ACRES			

Figure 9 of 17



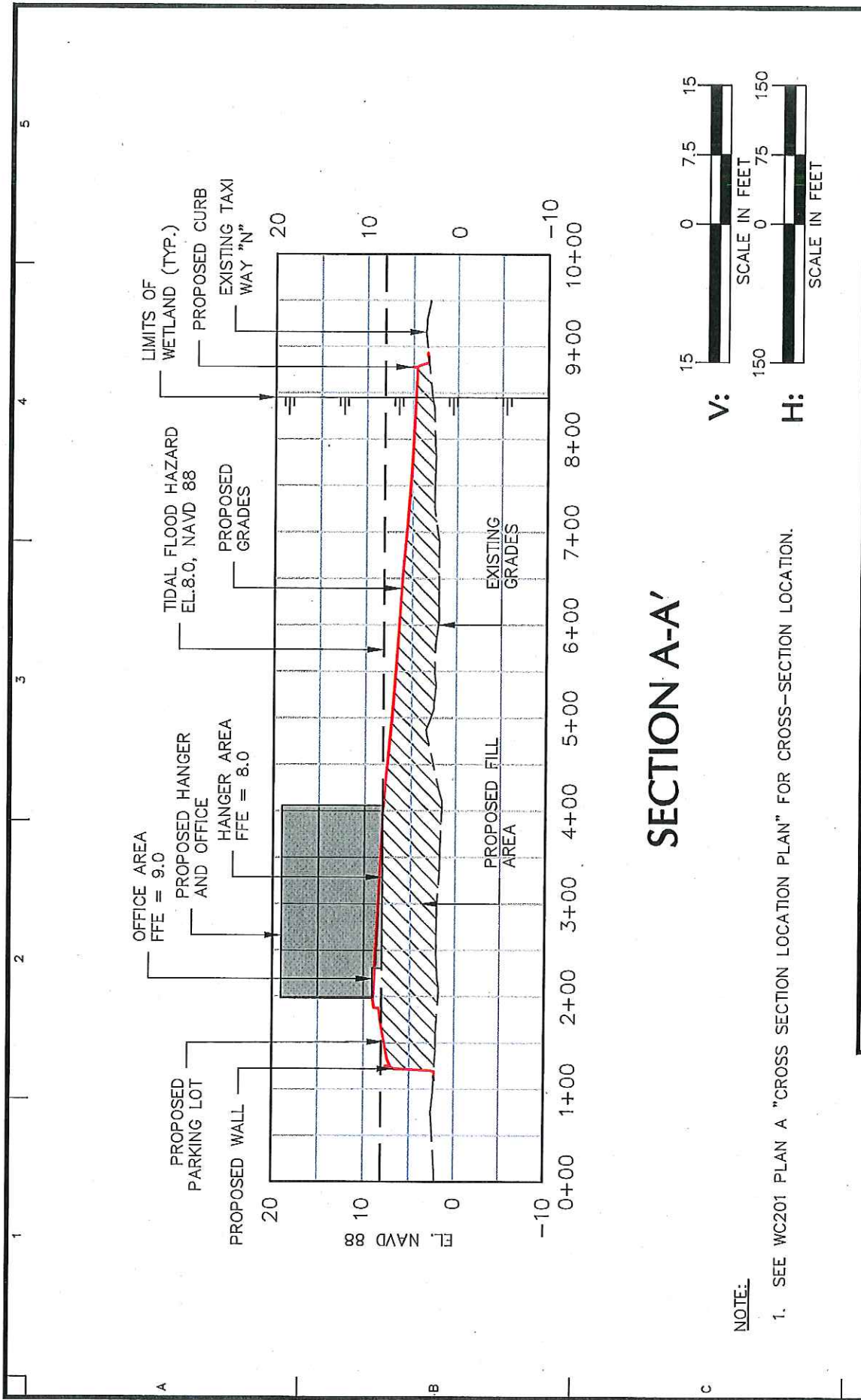
Project No. 1642424		Drawing No. WC-101	
Date 09/17/2016		PLAN D	
Scale 1" = 70'		Drawn By / Checked By	
Submission Date 09/17/2016		Sheet 5 of 5	
WETLAND IMPACT PARTIAL PLANS			
FIRST AVIATION SERVICES EXPANSION PROJECT			
TETERBORO		NEW JERSEY	
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21 Penn Plaza, 360 West 31st Street, 8th Floor New York, NY 10001 T: 212.479.5400 F: 212.479.5444 www.langran.com Langran Engineering, Environmental, Surveying and Landscape Architecture, D.P.C. S.A. Langran Engineering, Environmental, Surveying and Landscape Architecture, D.P.C. Langran Engineering and Environmental Services, Inc. Langran CT, Inc. Langran International LLC Collectively known as Langran			

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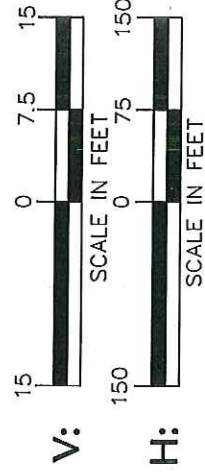


1. THE MERIDIAN FOR THIS SITE IS REFERENCED TO THE NEW JERSEY STATE PLANE COORDINATE SYSTEM NAD 83. AS ESTABLISHED USING TETERBORO AIRPORT SURVEY CONTROL POINTS.
2. THE VERTICAL DATUM OF THIS SURVEY IS REFERENCED TO NAVD 1988. AS ESTABLISHED USING TETERBORO AIRPORT SURVEY CONTROL POINTS.
3. THE LIMITS OF THE FLOOD HAZARD AREA HAVE BEEN DETERMINED BASED ON NJDEP METHOD 2 (FEMA TIDAL METHOD). THE TIDAL FLOOD HAZARD AREA IS EQUAL TO THE FEMA 100-YEAR FLOOD ELEVATION DETERMINED TO BE ELEVATION 8.0, NAVD 88 (ELEVATION 9.0 NAVD 29). THE TIDAL FLOOD HAZARD AREA SHOWN ON THIS PLAN WAS REFERENCED FROM A FEMA PRELIMINARY FLOOD INSURANCE RATE MAP (FIRM) FOR THE NEW JERSEY MEADOWLANDS COMMISSION (BERGEN COUNTY), NEW JERSEY - PANEL NOS. 34003C0252J, 34003C0256J, 34003C0258J AND 34003C0254J, DATED 08/29/2014.
4. SEE WC201 PLAN B AND PLAN C FOR DETAILS OF CROSS-SECTIONS A-A' AND B-B' PREPARED BY LANGAN ENGINEERING.

<p>21 Penn Plaza, 360 West 31st Street, 8th Floor New York, NY 10001 T: 212.479.5400 F: 212.479.5444 www.langan.com Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C. S.A. Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C. Langan Engineering and Environmental Services, Inc. Langan CT, Inc. Langan International LLC Collectively known as Langan</p>	Project	Drawing Title	Project No.	Drawing No.	
	FIRST AVIATION SERVICES EXPANSION PROJECT TETERBORO AIRPORT BOROUGH OF MOONACHEE BLOCK 76 LOT 1.02 BOROUGH OF TETERBORO BLOCK 203, LOT 1 BERGEN COUNTY NEW JERSEY	CROSS SECTION LOCATION PLAN	001642424	WC-201	
			Date	3/30/2017	PLAN A
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Drawn By	VP	Checked By	KM		



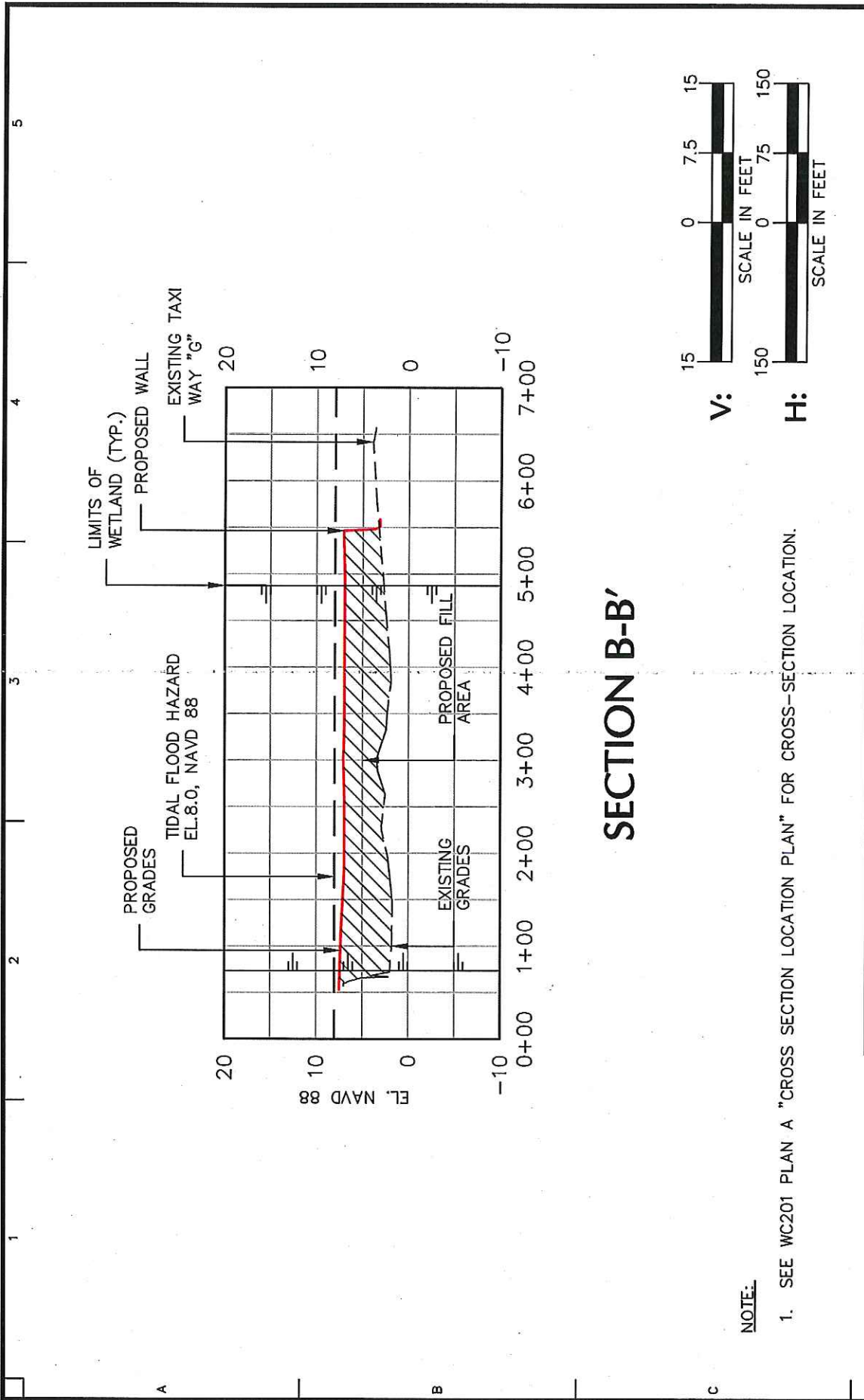
SECTION A-A'



NOTE:

1. SEE WC201 PLAN A "CROSS SECTION LOCATION PLAN" FOR CROSS-SECTION LOCATION.

LANGAN 21 Penn Plaza, 360 West 31st Street, 8th Floor New York, NY 10001 T: 212.479.5400 F: 212.479.5444 www.langan.com Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C. S.A. Langan Engineering, Environmental, Surveying and Landscape Architecture, Inc. Langan Engineering and Environmental Services, Inc. Langan CT, Inc. Langan International LLC Collectively known as Langan	Project FIRST AVIATION SERVICES EXPANSION PROJECT TETERBORO AIRPORT BOROUGH OF MOONACHIE BLOCK 76 LOT 1.02 BOROUGH OF TETERBORO BLOCK 203, LOT 1 BERGEN COUNTY NEW JERSEY	Drawing Title CROSS SECTION A-A'	Drawing No. WC-201 PLAN B
	Project No. 001642424	Date 3/30/2017	Scale H: 1" = 150' V: 1" = 15'
Checked By KM		Project No. 001642424	



SECTION B-B'

NOTE:

1. SEE WC201 PLAN A "CROSS SECTION LOCATION PLAN" FOR CROSS-SECTION LOCATION.

LANGAN
 21 Penn Plaza, 360 West 31st Street, 8th Floor
 New York, NY 10001
 T: 212.479.5400 F: 212.479.5444 www.langan.com
 Langan Engineering, Environmental, Surveying and
 Landscape Architecture, D.P.C. S.A.
 Langan Engineering, Environmental, Surveying and
 Landscape Architecture, D.P.C.
 Langan Engineering and Environmental Services, Inc.
 Langan CT, Inc.
 Langan Florida, LLC
 Collectively known as Langan

Project
FIRST AVIATION SERVICES EXPANSION PROJECT
 TETERBORD AIRPORT
 BOROUGH OF MOONACHEE BLOCK 76 LOT 1.02
 BOROUGH OF TETERBORD BLOCK 203, LOT 1
 BERGEN COUNTY NEW JERSEY

Drawing Title
CROSS SECTION B-B'

Project No.
 001642424

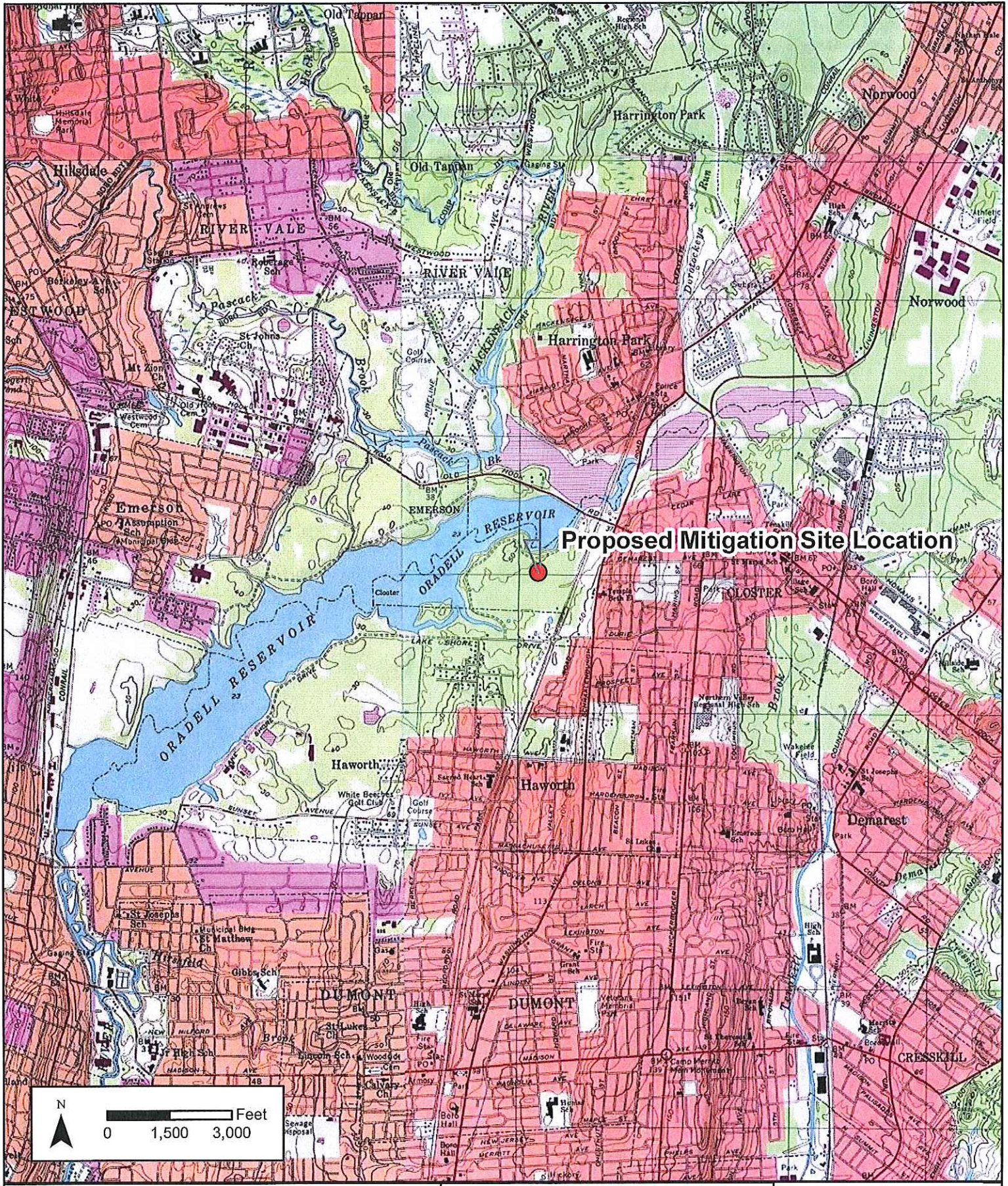
Date
 3/30/2017

Scale
 H: 1" = 150' V: 1" = 15'

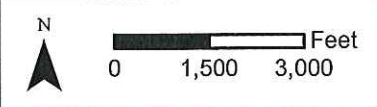
Drawn By
 VP

Checked By
 KM

Drawing No.
WC-201 PLAN C



Proposed Mitigation Site Location



● Proposed Mitigation Site Location

**First Aviation Site
Services Expansion**
Block 76, Lot 1.02
Borough of Teterboro, NJ

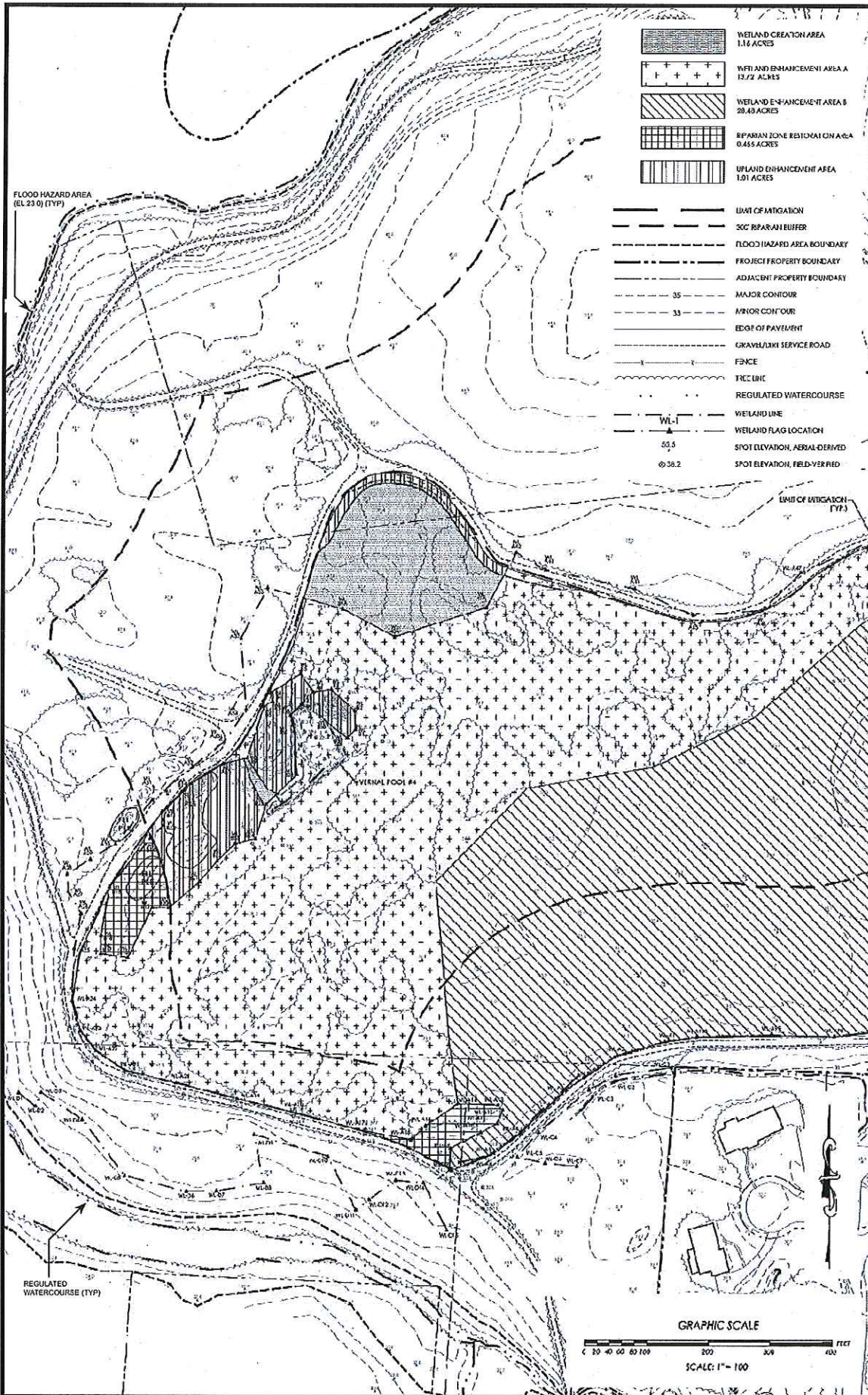
GreenVest
VISION · PERFORMANCE · RESULTS

MARYLAND 2200 Somerville Rd Suite 300 Annapolis, MD 21401 410.987.5500	NEW JERSEY 3175 Route 10 Suite 100 Denville, NJ 07834 732.902.8844	NORTH CAROLINA 4405 Devoes Ct Raleigh, NC 27612 919.349.2224
--	--	---

USGS Mitigation Site Location Map

1 in = 3,000 ft @ 8.5 x 11 Date: 8/7/2017

Data Sources: GreenVest, USGS



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 T.T.E. 8.B. CHPT. 2, ART. 1.6
 1-800-272-1000

- PROJECT NOTES**
- PROJECT DATA SOURCES:**
1. HOROCHKA, CATHY & NAD 1983, FIELD VERTICAL DATUMS NAVD 1983, FEET
 2. PROPERTY BOUNDARY, AND TOPOGRAPHIC AND EXISTING SITE FEATURES WERE PROVIDED IN DIGITAL FORMAT BY UNERSTEIN, LLC, ON NOVEMBER 30 AND JAN 28 2012.
 3. SCULIMNEY & 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 110, BOROUGH OF HAWORTH, BERGEN COUNTY, NEW JERSEY, BY MICHAEL A. CATALANO LAND SURVEYING - PLANNING, P.O. BOX 730, 17424H STREET, NEWTON, NEW JERSEY 07060. DATED NOVEMBER 29, 2012
 4. TOPOGRAPHIC INFORMATION FROM AERIAL SURVEY FLOW ON NOVEMBER 19, 1978 BY ATLAS-80, AERIAL SURVEY CO., INC. AND MASS PHOTOGRAPHY BY MICHAEL A. CATALANO LAND SURVEYING.
 5. WETLAND DETERMINATION LIMITED BY UNERSTEIN, LLC IN JUNE 2012.
 6. FLOOD HAZARD ELEVATION 661.740 (NGVD 1929) CREL 25.0 (NAVD 1988). FLOOD ELEVATIONS DERIVED FROM THE STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION. DIVISION OF WATER RESOURCES. INFORMATION FROM CROCKWAY ANTIPOD HAZARD AREA P20 ORADELL RESERVOIR, BOROUGH OF CLOSTER, BERGEN COUNTY, NEW JERSEY.
 7. ELEVATIONS IN NAVD 1988 CAN BE CONVERTED TO NGVD 1929 BY ADDING 1.0 FEET.

DATE	DESCRIPTION
REVISIONS	
STATE OF NEW JERSEY CERTIFICATE OF AUTH. NO.: 240A07079000	
MARY L. PAIST-GOLDMAN Professional Engineer NJ Lic. No. GE-45798	
DATE	

PRINCETON HYDRO, LLC **PH**

SCIENTISTS AND ENGINEERS
 1100 OLD YORK ROAD, SUITE 1
 P.O. BOX 720
 RINGOES, NEW JERSEY 08561
 PHONE: 908.237.5600
 FAX: 908.237.5000
 WWW.PRINCETONHYDRO.COM

GreenVest
One Step Ahead

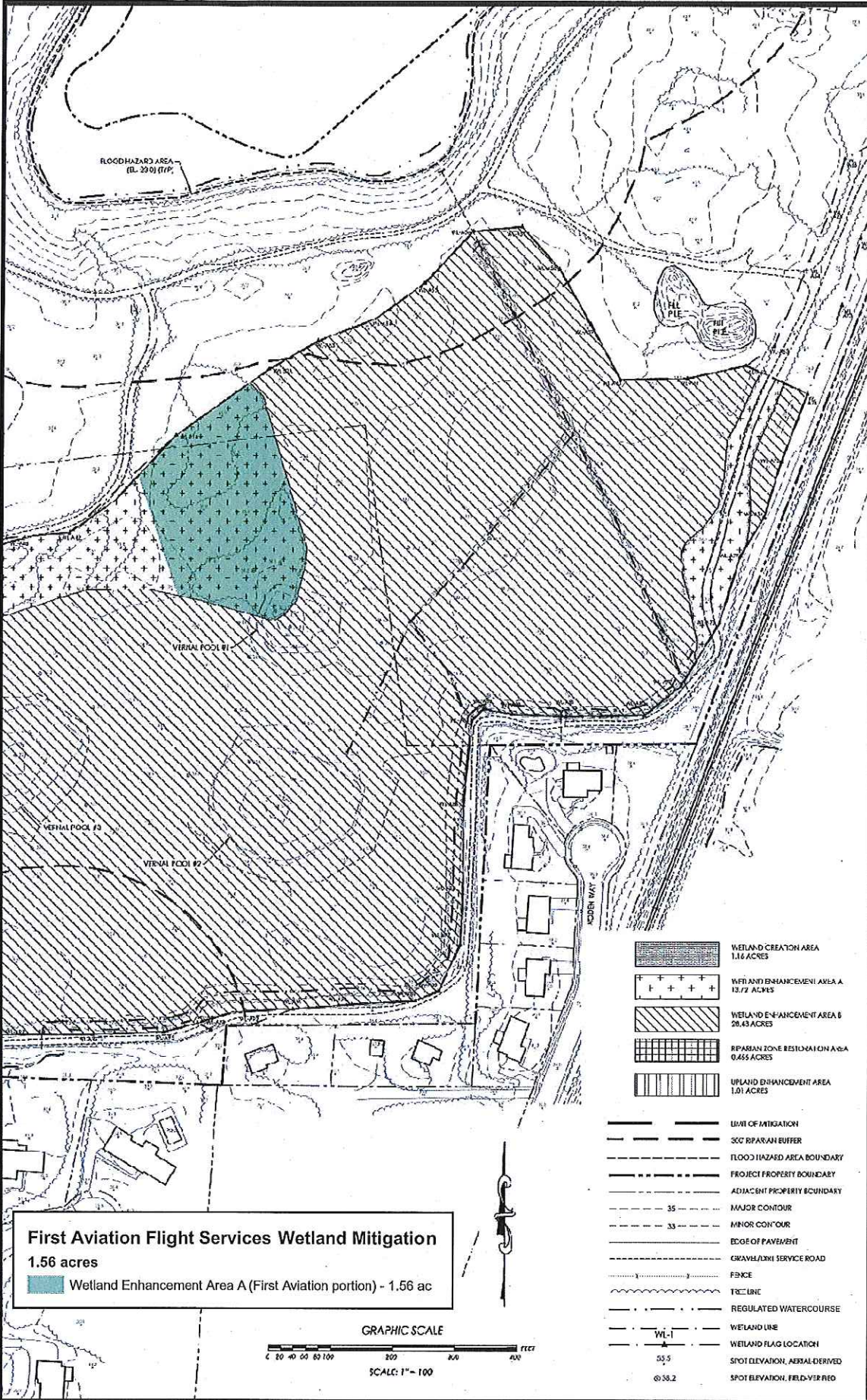
PROJECT NAME/LOCATION:
 ORADELL RESERVOIR MITIGATION SITE
 BLOCK 200, LOTS 1 & 2, AND BLOCK 110, LOT 1,
 BOROUGH OF HAWORTH
 BLOCK 201, LOTS 2 & 3, BOROUGH OF CLOSTER
 BERGEN COUNTY, NEW JERSEY

DRAWING NAME:
 MITIGATION PLAN FOR
 FIRST AVIATION FLIGHT SERVICES

DATE: 04/24/2013
PROJECT NO.: 995.017
SCALE: 1" = 100'
DRAWN BY: LKLC
CHECKED BY: MFG

SHEET NO.: 2A OF 3

Figure 16 of 17



First Aviation Flight Services Wetland Mitigation
 1.56 acres
 Wetland Enhancement Area A (First Aviation portion) - 1.56 ac

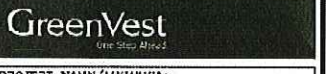
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 DAYS IN DESIGN STAGE - STOP CALL
 NEW JERSEY ONE CALL SYSTEM, INC.
 REFERENCE NEW JERSEY T.T.E. 14B, CHPT. 2, ARTICLE 9
 1-800-272-1000

- PROJECT NOTES**
- PROJECT DATA SOURCES:**
- HORIZONTAL, CATALOG AND 1988 VERTICAL DATUMS NAVD 1988, FEET.
 - PROPERTY BOUNDARIES, AND TOPOGRAPHIC AND EXISTING SITE FEATURES WERE PROVIDED IN DIGITAL FORMAT BY GREENVEST, LLC, ON NOVEMBER 20 AND 21, 2012.
 - SCOURMAP & 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 110, BOROUGH OF HAWORTH, BERGEN COUNTY, NEW JERSEY, BY ANTHONY A. CATALANO LAND SURVEYING, HAWORTH, P.O. BOX 252, 17414 STREET, NEWTON, NEW JERSEY 07048, DATED 05/04/11 & 01/21/12.
 - TOPOGRAPHIC INFORMATION FROM AERIAL SURVEY FLOWN ON NOVEMBER 19, 1997 BY ATLAS-86 AERIAL SURVEY CO., INC. AND WAS SUPPLEMENTED BY MICHAEL A. CATALANO LAND SURVEYING.
 - WETLAND Delineation Completed by GREENVEST, LLC on JUNE 21, 2012.
 - FLOOD HAZARD ELEVATION IS EL. 240.8NGVD 1929; OR EL. 231.6 NGVD 1988. FLOOD ELEVATIONS DERIVED FROM THE STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION, DIVISION OF WATER RESOURCES, DETERMINATION OF FLOODWAY AND FLOOD HAZARD AREA FOR ORADELL RESERVOIR, BOROUGH OF CLOSTER, BERGEN COUNTY, NEW JERSEY.
 - ELEVATIONS IN NAVD 1988 CAN BE CONVERTED TO NAVD 1929 BY ADDING 1.01 FEET.

DATE	DESCRIPTION
REVISIONS	
STATE OF NEW JERSEY CERTIFICATE OF AUTH. NO.: 24GA37979800	
MARY L. PAIST-GOLDMAN Professional Engineer NJ Lic. No. GE-45798	
DATE _____	



SCIENTISTS AND ENGINEERS
 1106 OLD YORK ROAD, SUITE 1
 P.O. BOX 720
 RINGOES, NEW JERSEY 08061
 PHONE: 908.237.5880
 FAX: 908.237.5000
 WWW.PRINCETONHYDRO.COM



PROJECT NAME/LOCATION:
 ORADELL RESERVOIR MITIGATION SITE
 BLOCK 200, LOTS 1 & 2, AND BLOCK 110, LOT 1,
 BOROUGH OF HAWORTH,
 BLOCK 201, LOTS 2 & 3, BOROUGH OF CLOSTER
 BERGEN COUNTY, NEW JERSEY

DRAWING NAME:
 MITIGATION PLAN FOR
 FIRST AVIATION FLIGHT SERVICES

DATE:	04/24/2013
PROJECT NO.:	995.017
SCALE:	1" = 100'
DRAWN BY:	LK/AC
CHECKED BY:	MFG

GIBBET NO.
 2B 3
 OF