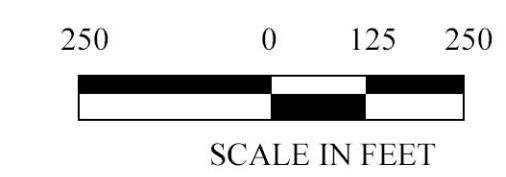
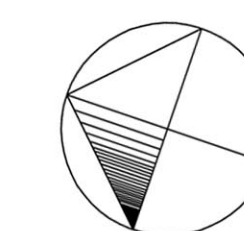
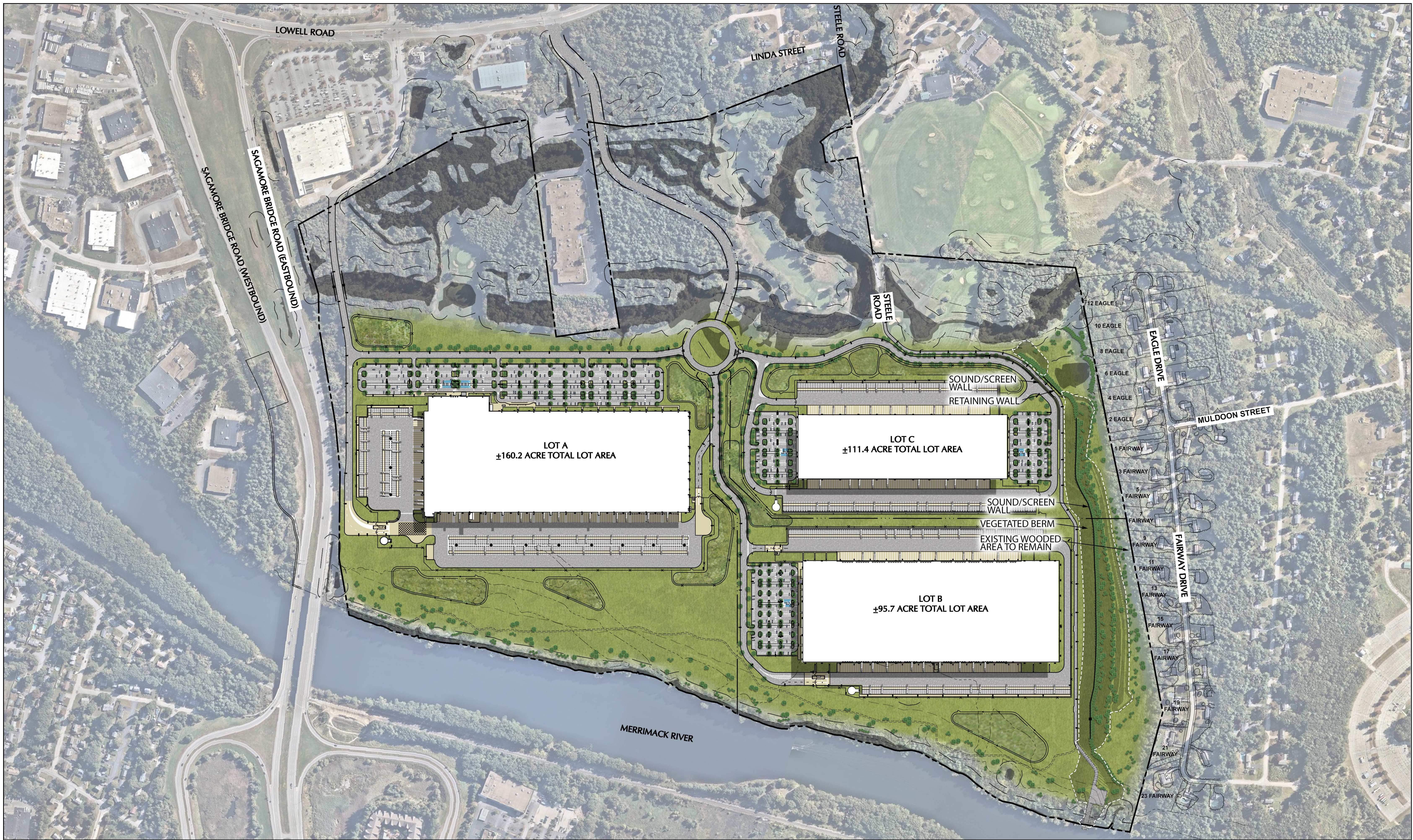
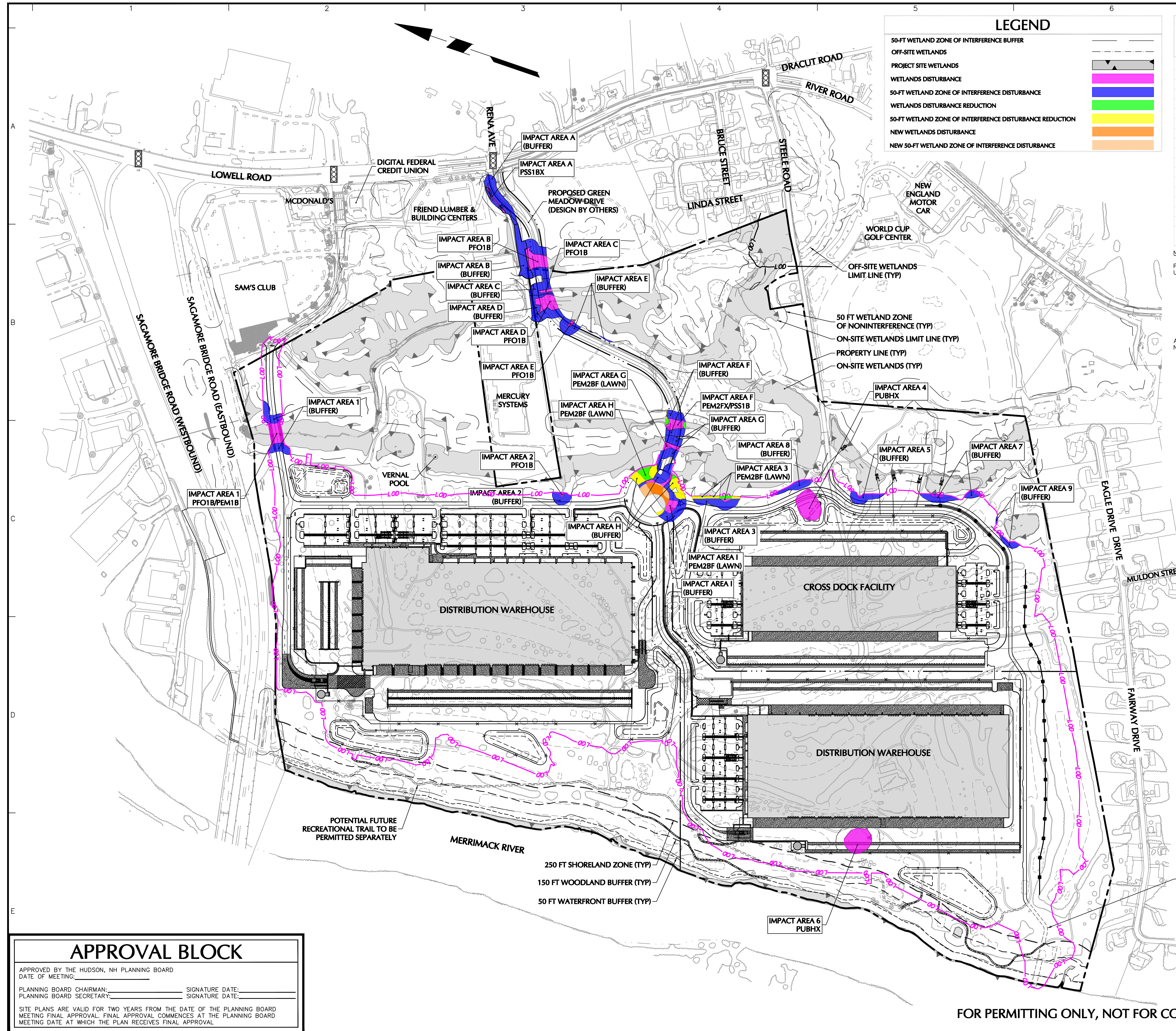




Town of Hudson Conservation Commission
November 16th, 2020
Hudson Logistic Center
Proposed Redevelopment

LANGAN





LEGEND

- 50-FT WETLAND ZONE OF INTERFERENCE BUFFER
- OFF-SITE WETLANDS
- PROJECT SITE WETLANDS
- WETLANDS DISTURBANCE
- 50-FT WETLAND ZONE OF INTERFERENCE DISTURBANCE
- WETLANDS DISTURBANCE REDUCTION
- 50-FT WETLAND ZONE OF INTERFERENCE DISTURBANCE REDUCTION
- NEW WETLANDS DISTURBANCE
- NEW 50-FT WETLAND ZONE OF INTERFERENCE DISTURBANCE

ANTICIPATED REDUCTION IN WETLANDS DISTURBANCE

IMPACT AREA	WETLAND CLASSIFICATION	REASON FOR IMPACT	SIZE (SF)	DELTA (SF)	50-FT BUFFER (SF)	DELTA (SF)
A	DRAINAGE DITCH (MANHOLE)	MAIN ACCESS	1,544	-	18,688	-
B	FORESTED WETLAND	MAIN ACCESS	11,220	-	29,662	-
C	FORESTED WETLAND	MAIN ACCESS	1,270	-	8,753	-
D	FORESTED WETLAND	MAIN ACCESS	9,725	-	15,666	-
E	FORESTED WETLAND	MAIN ACCESS	680	-	9,074	-
F	POND, EMERGENT/ SCRUB, SHRUB EDGE	MAIN ACCESS	6,805	-(±1,100)	10,527	-(±200)
G	WET MAINTAINED LAWN	MAIN ACCESS	3,080	-	11,656	-
H	WET MAINTAINED LAWN	MAIN ACCESS	7,970	-(±4,800)	22,297	-(±11,300)
I	WET MAINTAINED LAWN	MAIN ACCESS	4,360	+ ±6,400	15,112	+ ±2,800
1	FORESTED WETLAND PERENNIAL STREAM	SECOND ACCESS	9,366	-	14,926	-
2	FORESTED WETLAND	LOT DEVELOPMENT	333	-	6,767	-
3	WET MAINTAINED LAWN	LOT DEVELOPMENT	2,278	-(±1,400)	15,366	-(±2,800)
5	BUFFER	LOT DEVELOPMENT	-	-	8,850	-
7	BUFFER	LOT DEVELOPMENT	-	-	12,437	-
8	BUFFER	LOT DEVELOPMENT	-	-	8,220	-
9	BUFFER	LOT DEVELOPMENT	-	-	4,641	-
TOTAL ANTICIPATED DISTURBANCE			58,666	-(±900)	212,642	-(±11,500)
					±57,766 SF	±201,142 SF

NOTES

PROJECT SITE WETLANDS WERE DELETED BY GOVE ENVIRONMENTAL SERVICES, INC. BETWEEN NOVEMBER 2017 AND APRIL 2020 UTILIZING THE FOLLOWING STANDARDS:

- REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTHCENTRAL AND NORTHEAST REGION, (VERSION 2.0) JANUARY 2012, U.S. ARMY CORPS OF ENGINEERS.
- FIELD INDICATORS OF HYDRIC SOILS IN THE UNITED STATES, A GUIDE FOR IDENTIFYING AND DELINEATING HYDRIC SOILS, VERSION 8.0, UNITED STATES DEPARTMENT OF AGRICULTURE (2016).
- NEW ENGLAND HYDRIC SOILS TECHNICAL COMMITTEE, 2018 VERSION 4, FIELD INDICATORS FOR IDENTIFYING HYDRIC SOILS IN NEW ENGLAND, NEW ENGLAND INTERSTATE WATER POLLUTION CONTROL COMMISSION, LOWELL, MA.
- NATIONAL WETLAND PLANT LIST, VERSION 3.2 (2016).

ALL FLAGS WERE LOCATED BY HAYNER/SWANSON, INC USING EITHER GPS UNIT AT TIME OF FLAGGING OR FIELD LOCATED BETWEEN NOVEMBER 2017 AND APRIL 2020. WETLANDS DEPICTED OUTSIDE THE PROJECT AREA WERE OBTAINED FROM 2006 RECORD PLANS

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Revisions		
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LANGAN Langan Engineering and Environmental Services, Inc. 888 Boylston Street, Ste 510 Boston, MA 02199 T: 617.824.9100 F: 617.824.9101 www.langan.com		
Project		
HUDSON LOGISTICS CENTER MAP No. 239, LOT No. 1 HUDSON HILLSBOROUGH NEW HAMPSHIRE		
Drawing Title		
WETLAND IMPACT REDUCTION FIGURE		
Project No.	Figure	
151010101		
Date		FIG. A
11/09/2020		
Drawn By		
Checked By		
		Sheet 1 of 8

APPROVAL BLOCK

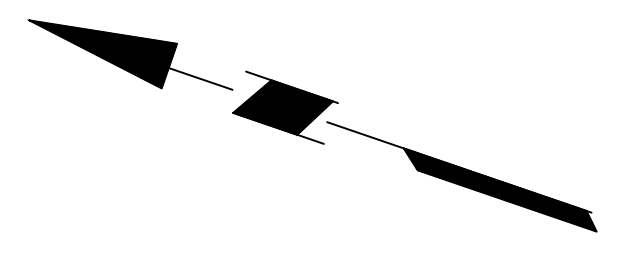
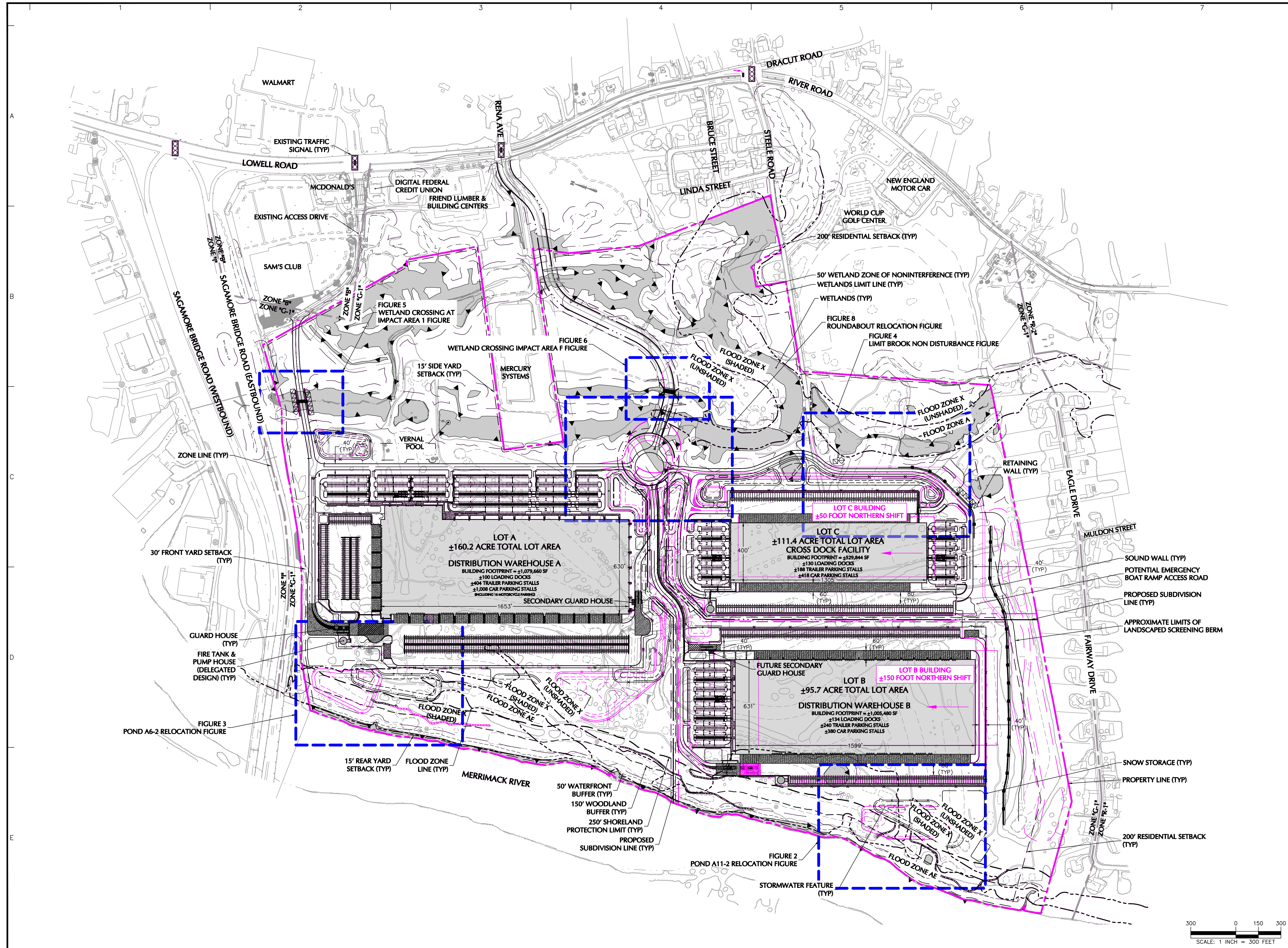
APPROVED BY THE HUDSON, NH PLANNING BOARD
DATE OF MEETING: _____

PLANNING BOARD CHAIRMAN: _____ SIGNATURE DATE: _____
PLANNING BOARD SECRETARY: _____ SIGNATURE DATE: _____

SITE PLANS ARE VALID FOR TWO YEARS FROM THE DATE OF THE PLANNING BOARD MEETING. FINAL APPROVAL COMMENCES AT THE PLANNING BOARD MEETING DATE AT WHICH THE PLAN RECEIVES FINAL APPROVAL.

FOR PERMITTING ONLY, NOT FOR CONSTRUCTION





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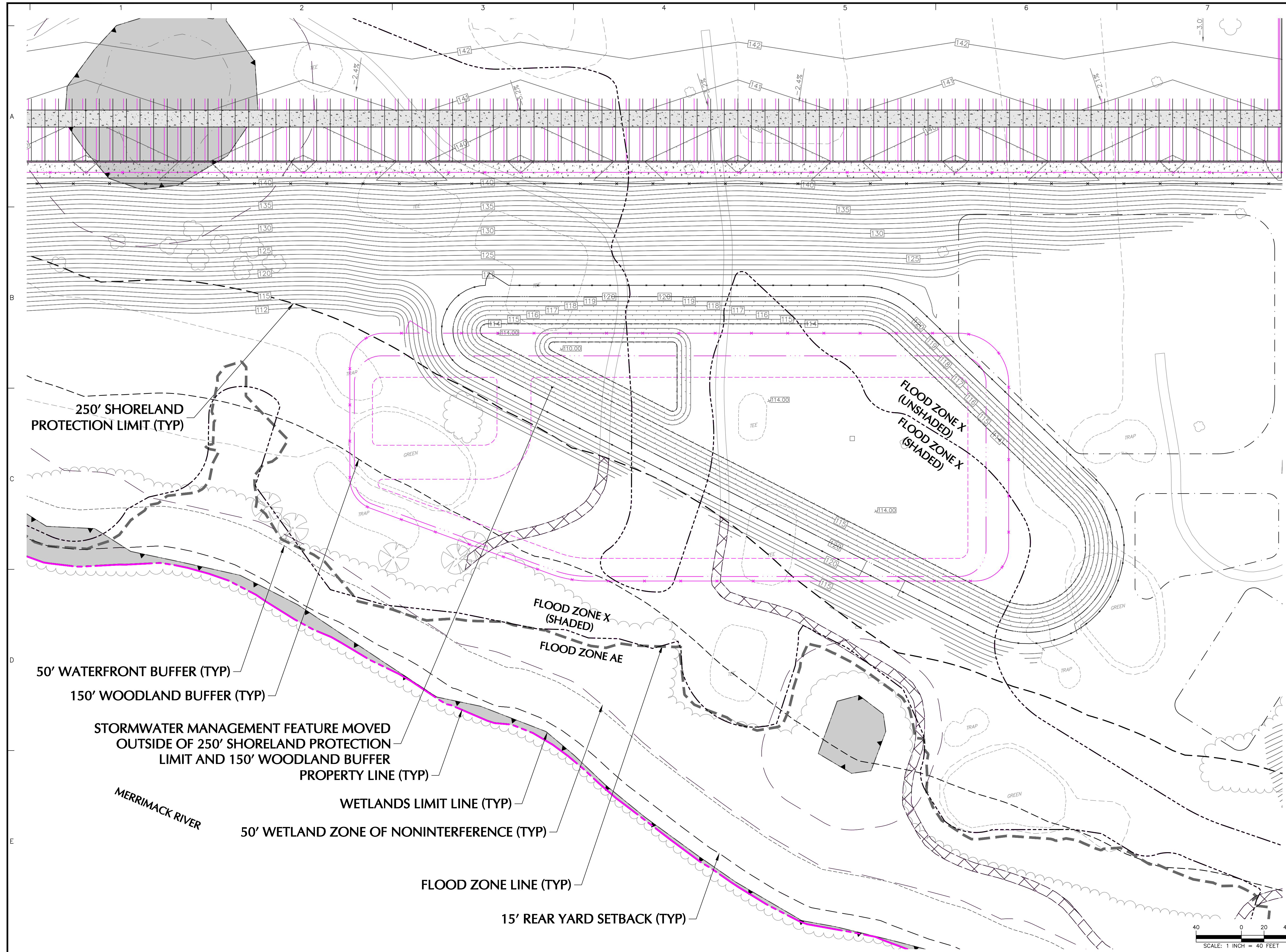
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Drawing Title
IMPACT REDUCTION SITE LAYOUT FIGURE

Project No. 151010101	Figure
Date 11/16/2020	FIG. 01
Drawn By RJS	
Checked By NLK	
Sheet 1 of 8	





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MAP No. 239, LOT No. 1
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Drawing Title

POND A11-2 RELOCATION FIGURE

Project No. 151010101 Figure

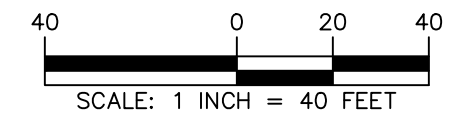
Date 11/16/2020

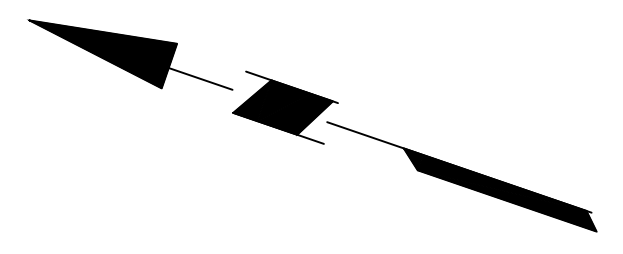
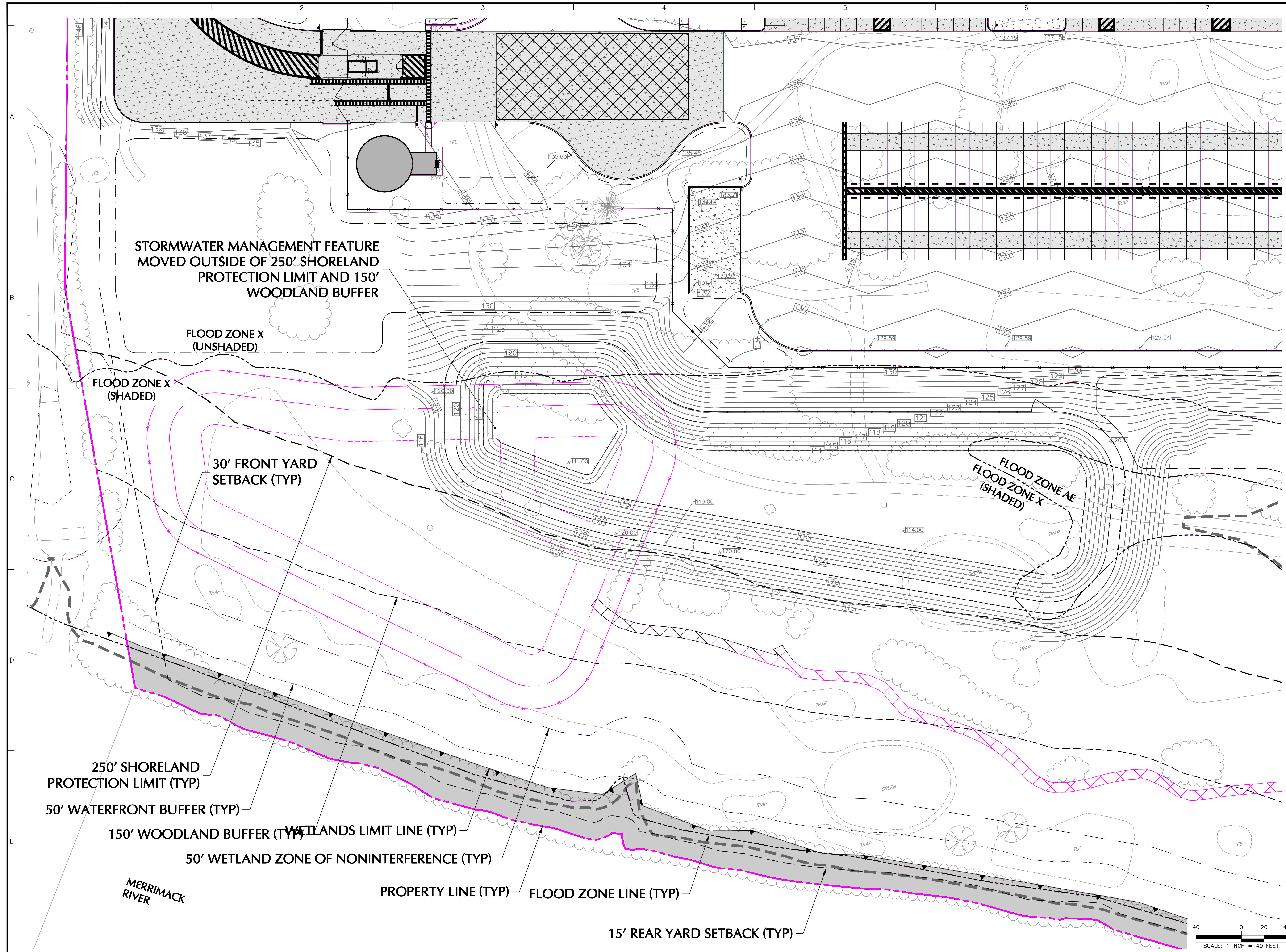
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FIG. 02

Sheet 3 of 9





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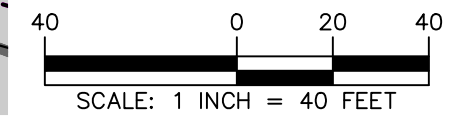
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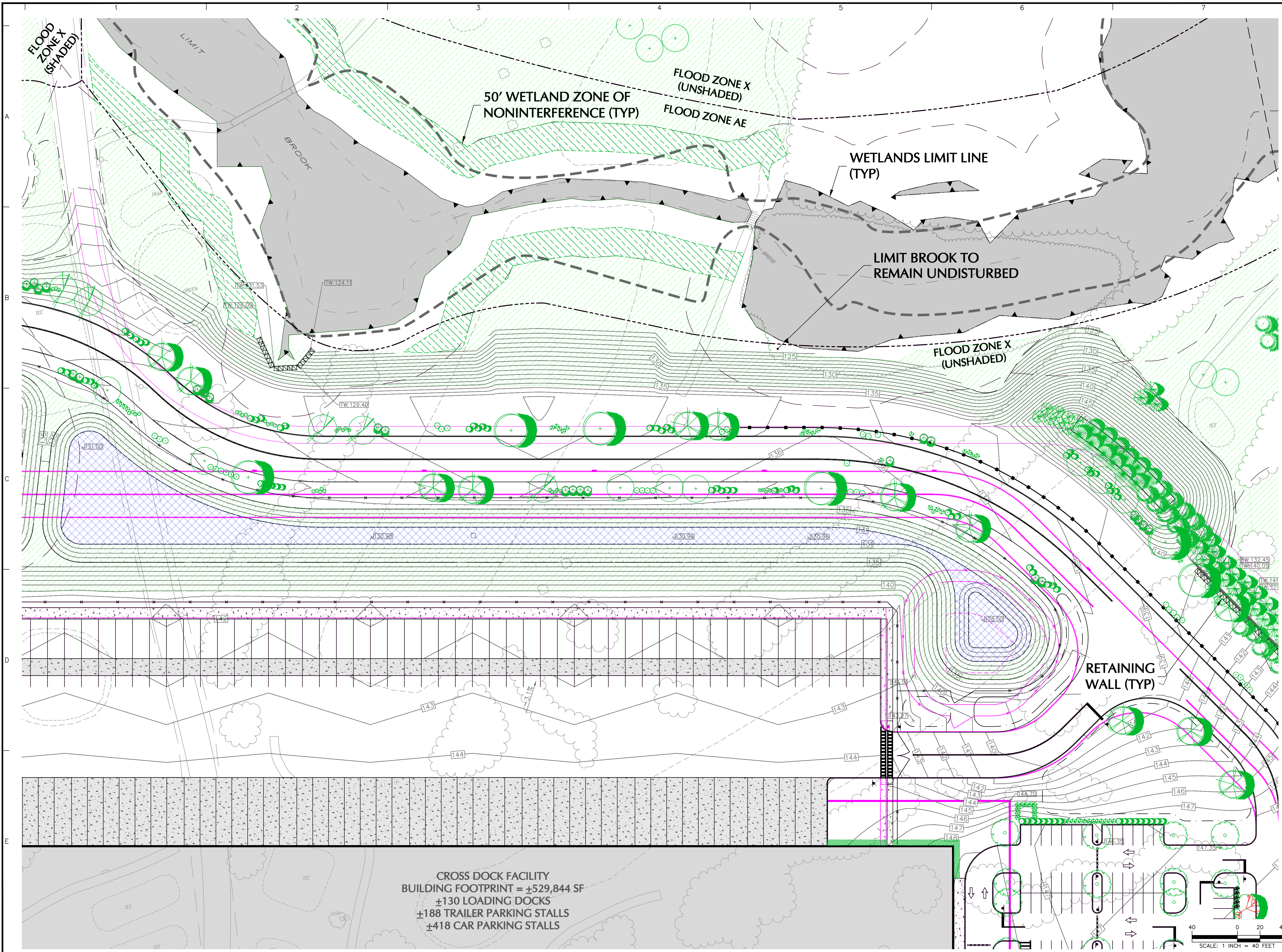
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Drawing Title
**POND A6-2
 RELOCATION
 FIGURE**

Project No. 151010101	Figure
Date 11/16/2020	FIG. 03
Drawn By RJS	
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Sheet 3 of 9

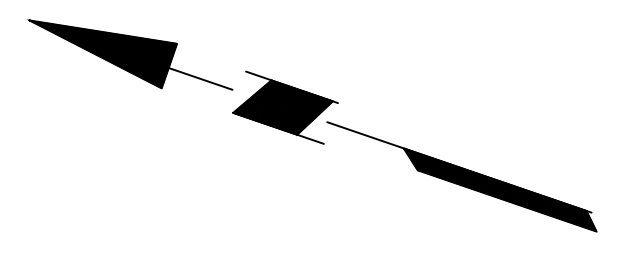




CROSS DOCK FACILITY
 BUILDING FOOTPRINT = ±529,844 SF
 ±130 LOADING DOCKS
 ±188 TRAILER PARKING STALLS
 ±418 CAR PARKING STALLS

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MAP No. 239, LOT No. 1 HUDSON		
HILLSBOROUGH NEW HAMPSHIRE		
Drawing Title		
LIMIT BROOK NON DISTURBANCE FIGURE		
Project No.	Figure	
151010101	FIG. 04	
Date	11/16/2020	
Drawn By	RJS	
Checked By	NLK	
Sheet 4 of 8		

Project No. 151010101



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MAP No. 239, LOT No. 1
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Drawing Title
WETLAND CROSSING AT IMPACT AREA 1 FIGURE

Project No. 151010101 Figure

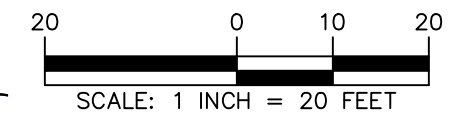
Date 11/16/2020

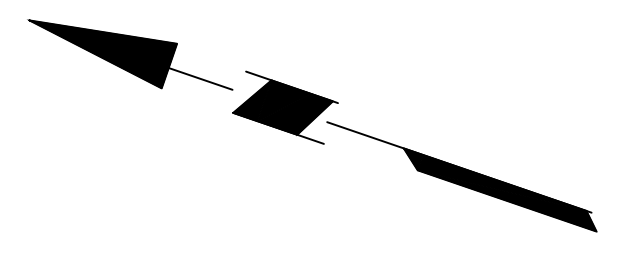
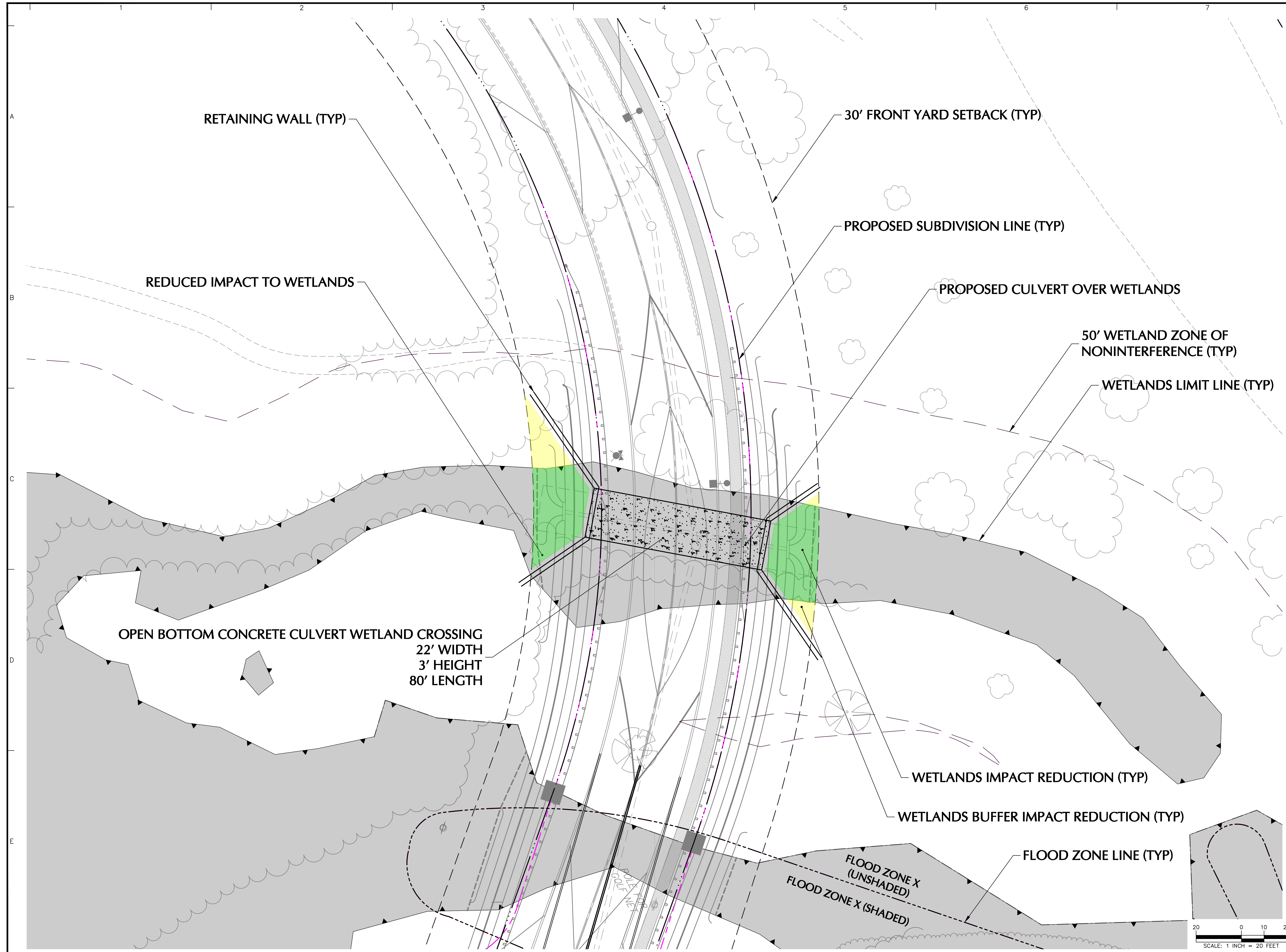
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FIG. 05

Sheet 5 of 9





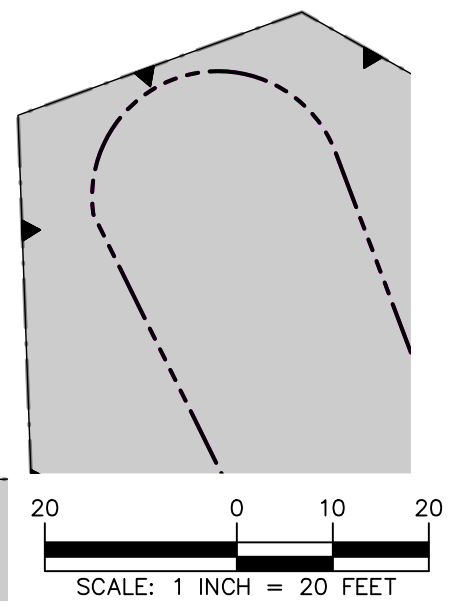
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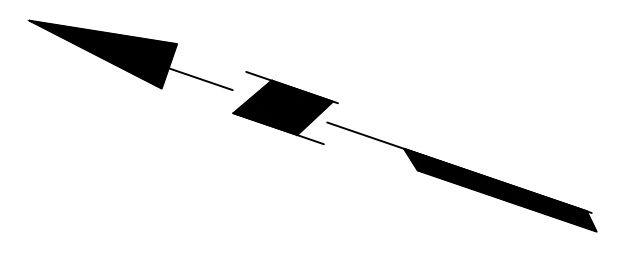
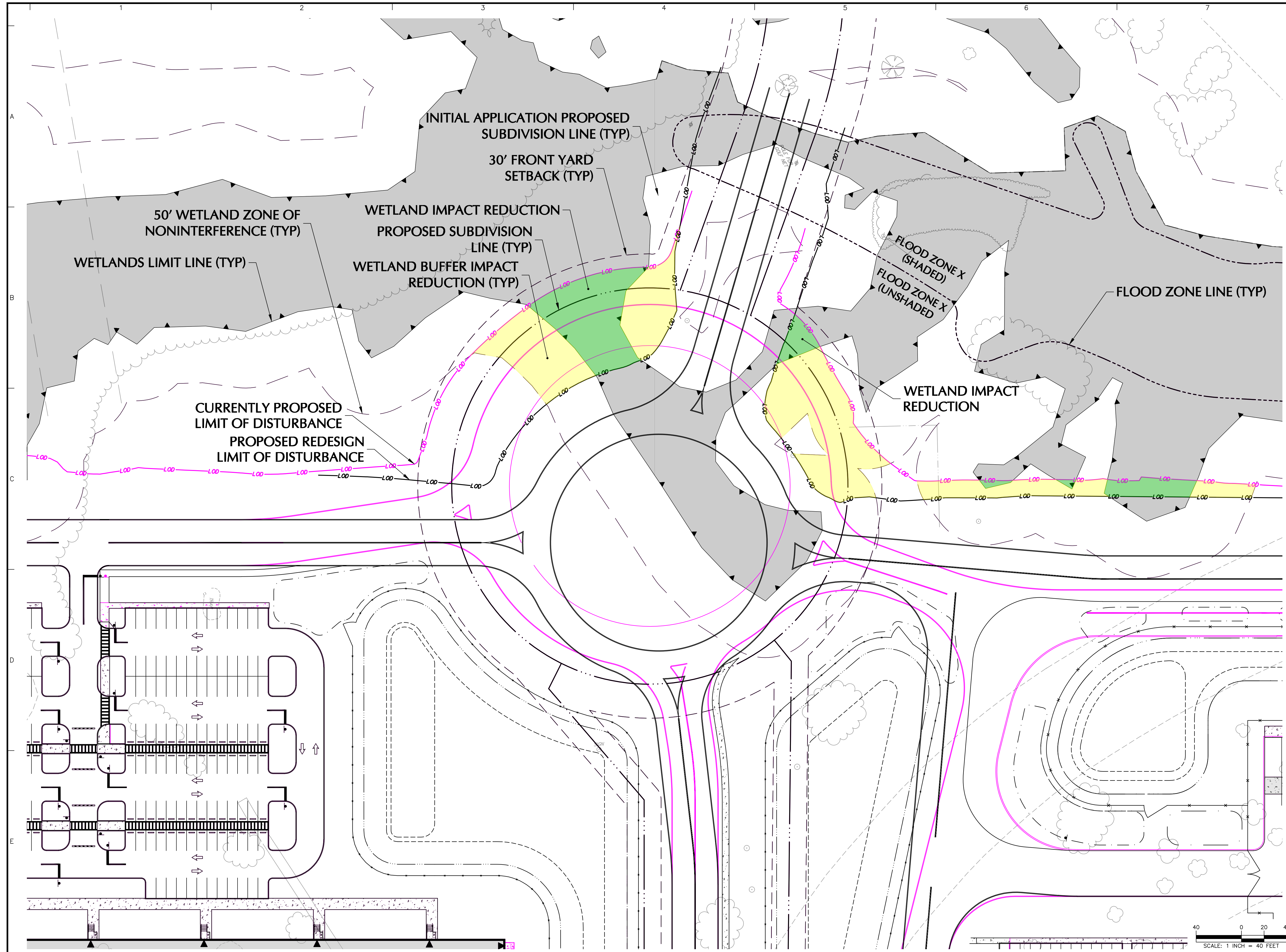
Project
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 MAP No. 239, LOT No. 1
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Drawing Title
WETLAND CROSSING AT IMPACT AREA F FIGURE

Project No. 151010101	Figure
Date 11/16/2020	FIG. 06
Drawn By RJS	
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Sheet 6 of 9	



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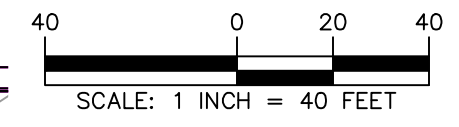
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Drawing Title
ROUNDAABOUT RELOCATION FIGURE

Project No. 151010101	Figure
Date 11/16/2020	FIG. 07
Drawn By RJS	
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Sheet 7 of 8	



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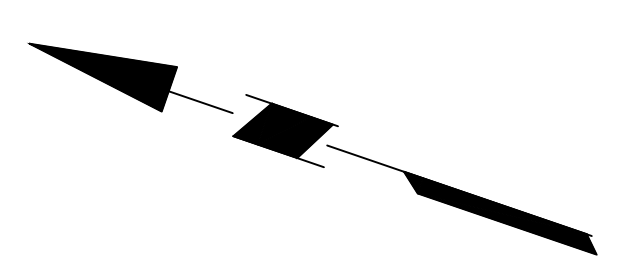
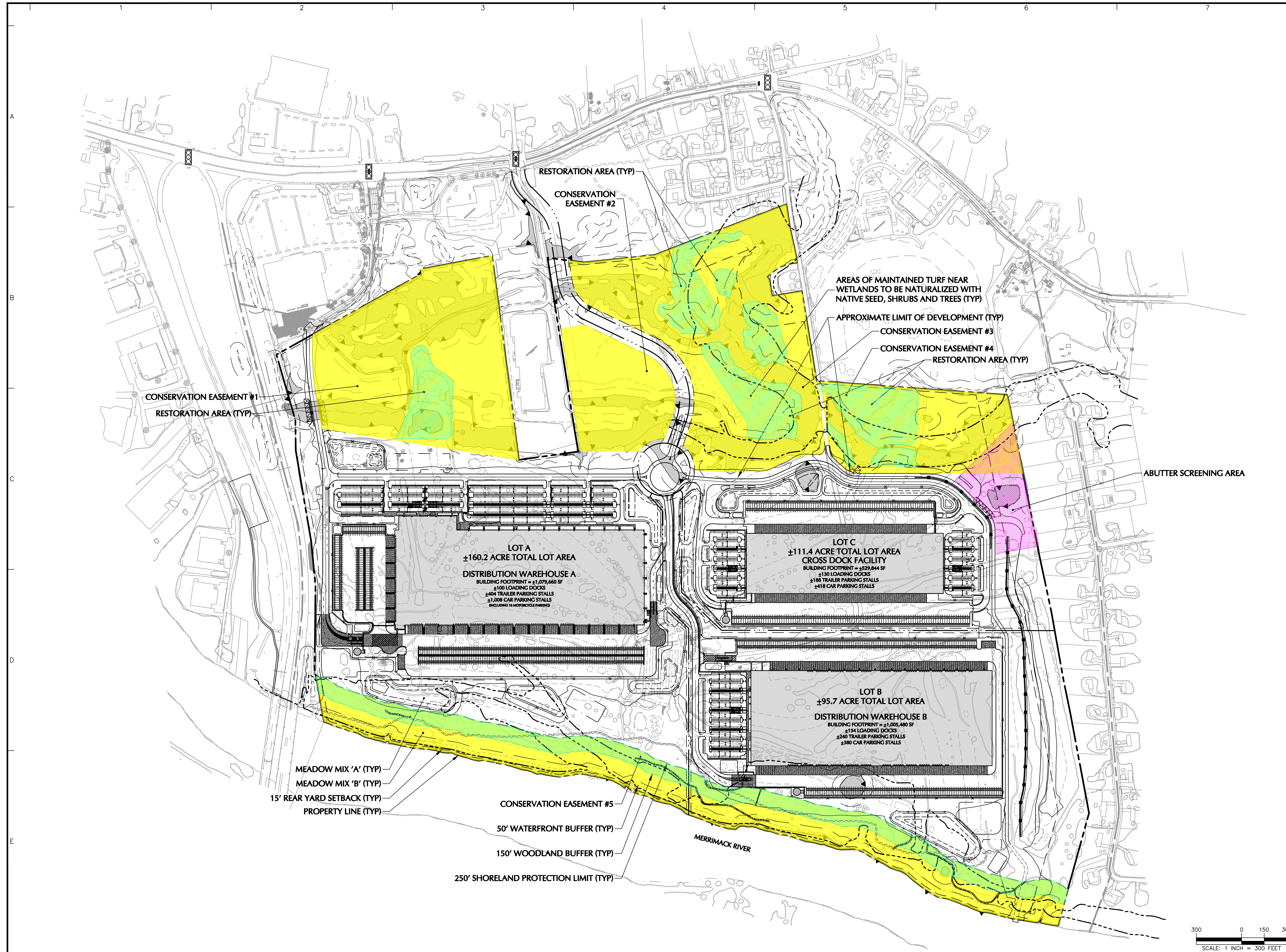
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 MAP No. 239, LOT No. 1
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Drawing Title
LANDSCAPE IMPACT FIGURE

Project No. 151010101	Figure
Date 11/16/2020	FIG. 08
Drawn By RJS	
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Sheet 8 of 8	





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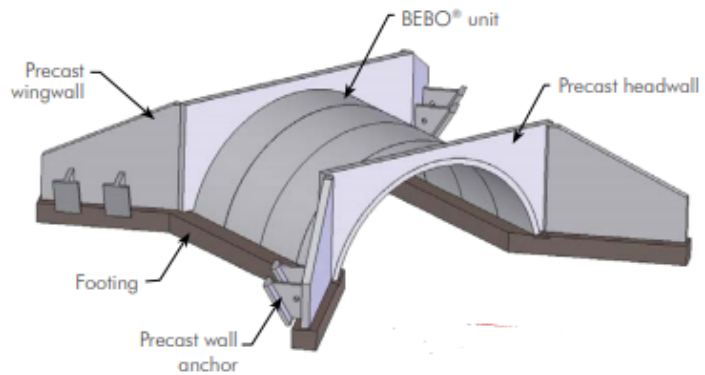
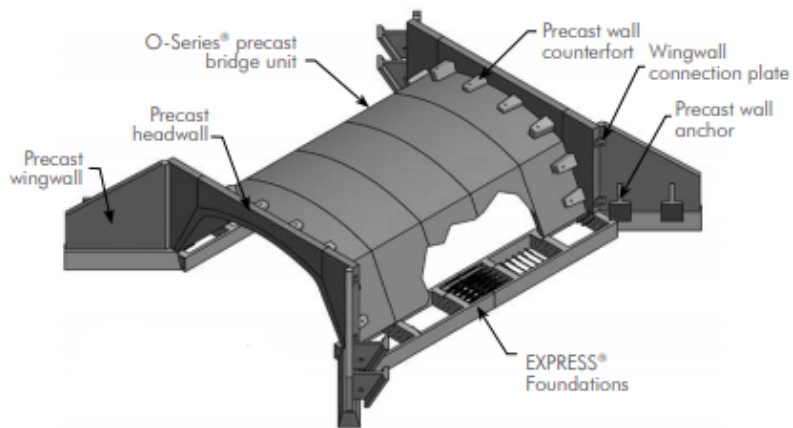
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Drawing Title
**MITIGATION/
 PRESERVATION
 AREAS PLAN**

Project No. 151010101	Figure
Date 11/16/2020	FIG. 09
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Sheet 9 of 8	





THANK YOU

QUESTIONS?