

WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

City/Town

MassDEP	File Number
Documen	t Transaction Number
Royford	

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.





Note: Before completing this form consult your local Conservation Commission regarding any municipal bylaw or ordinance.

A. General Information

5 Barker Road		Boxford	01921
a. Street Address		b. City/Town	c. Zip Code
Latitude and Langit	udo:	42 44' 01.608'N	-71 05' 01.752"W
Latitude and Longite	ude.	d. Latitude	e. Longitude
2		1-8	
f. Assessors Map/Plat N	umber	g. Parcel /Lot Number	
Applicant:			
Bob		Flynn	
a. First Name		b. Last Name	
	nt Co., Inc. c/o Far Corr	ner Golf Course	
c. Organization			
5 Barker Road			
d. Street Address			0.400.4
Boxford		MA form	01921
e. City/Town		f. State	g. Zip Code
h Dhana Niwahan	- I Fau Niverban	bflynn3885@comcast.ne	et
h. Phone Number	i. Fax Number	j. Email Address	
c. Organization			
d. Street Address			
		f. State	g. Zip Code
e. City/Town	i. Fax Number	f. State j. Email address	g. Zip Code
e. City/Town h. Phone Number			g. Zip Code
e. City/Town h. Phone Number Representative (if a			g. Zip Code
e. City/Town h. Phone Number Representative (if a Mary		j. Email address	g. Zip Code
e. City/Town h. Phone Number Representative (if a Mary a. First Name		j. Email address Rimmer	g. Zip Code
e. City/Town h. Phone Number Representative (if a Mary a. First Name Rimmer Environme	any):	j. Email address Rimmer	g. Zip Code
e. City/Town h. Phone Number Representative (if a Mary a. First Name Rimmer Environme c. Company	any):	j. Email address Rimmer	g. Zip Code
e. City/Town h. Phone Number Representative (if a Mary a. First Name Rimmer Environme c. Company 57 Boston Road	any):	j. Email address Rimmer b. Last Name	
e. City/Town h. Phone Number Representative (if a Mary a. First Name Rimmer Environme c. Company 57 Boston Road d. Street Address Newbury	any):	j. Email address Rimmer b. Last Name	01951
e. City/Town h. Phone Number Representative (if a Mary a. First Name Rimmer Environme c. Company 57 Boston Road d. Street Address Newbury e. City/Town	any): ental Consulting, LLC	j. Email address Rimmer b. Last Name MA f. State	01951 g. Zip Code
e. City/Town h. Phone Number Representative (if a Mary a. First Name Rimmer Environme c. Company 57 Boston Road d. Street Address Newbury e. City/Town 978-463-9226	ental Consulting, LLC 978-463-8716	j. Email address Rimmer b. Last Name MA f. State mrimmer@rimmerenv.co	01951 g. Zip Code
c. Company	any): ental Consulting, LLC	j. Email address Rimmer b. Last Name MA f. State	01951 g. Zip Code
e. City/Town h. Phone Number Representative (if a Mary a. First Name Rimmer Environme c. Company 57 Boston Road d. Street Address Newbury e. City/Town 978-463-9226 h. Phone Number	ental Consulting, LLC 978-463-8716 i. Fax Number	j. Email address Rimmer b. Last Name MA f. State mrimmer@rimmerenv.cc j. Email address	01951 g. Zip Code
e. City/Town h. Phone Number Representative (if a Mary a. First Name Rimmer Environme c. Company 57 Boston Road d. Street Address Newbury e. City/Town 978-463-9226 h. Phone Number	ental Consulting, LLC 978-463-8716	j. Email address Rimmer b. Last Name MA f. State mrimmer@rimmerenv.co j. Email address se Transmittal Form):	01951 g. Zip Code



Massachusetts Department of Environmental Protection Provided by MassDEP:

Bureau of Resource Protection - Wetlands

Coastal Resource Areas).

WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

MassDEF	P File Number
Documen	t Transaction Number
Boxford	
City/Towr	1

A. General Information (continued) General Project Description: Demolition of existing pump house and construction of new pump house and pond intake 7a. Project Type Checklist: (Limited Project Types see Section A. 7b.) 1. Single Family Home 2. Residential Subdivision 3. Commercial/Industrial Dock/Pier Utilities 6. Coastal engineering Structure 7. Agriculture (e.g., cranberries, forestry) 8. Transportation 9. X Other 7b. Is any portion of the proposed activity eligible to be treated as a limited project (including Ecological Restoration Limited Project) subject to 310 CMR 10.24 (coastal) or 310 CMR 10.53 (inland)? If yes, describe which limited project applies to this project. (See 310 CMR 1. ☐ Yes ☒ No 10.24 and 10.53 for a complete list and description of limited project types) 2. Limited Project Type If the proposed activity is eligible to be treated as an Ecological Restoration Limited Project (310 CMR10.24(8), 310 CMR 10.53(4)), complete and attach Appendix A: Ecological Restoration Limited Project Checklist and Signed Certification. 8. Property recorded at the Registry of Deeds for: Essex b. Certificate # (if registered land) a. County 328 5365 c. Book d. Page Number B. Buffer Zone & Resource Area Impacts (temporary & permanent) 1. Buffer Zone Only - Check if the project is located only in the Buffer Zone of a Bordering Vegetated Wetland, Inland Bank, or Coastal Resource Area. 2. Inland Resource Areas (see 310 CMR 10.54-10.58; if not applicable, go to Section B.3,

Check all that apply below. Attach narrative and any supporting documentation describing how the project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.



Bureau of Resource Protection - Wetlands

WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

r	Tovided by MassDEF.
	MassDEP File Number
	Document Transaction Number
	Boxford

Provided by MaccDED

City/Town

B. Buffer Zone & Resource Area Impacts (temporary & permanent) (cont'd)

Resource Area Size of Proposed Alteration Proposed Replacement (if any) 4 (temporary) 15 a. 🖂 Bank 1. linear feet 2. linear feet b. 🖂 **Bordering Vegetated** 0 39 Wetland 1. square feet 2. square feet c. 🗌 Land Under 1. square feet 2. square feet Waterbodies and Waterways 3. cubic yards dredged Resource Area Size of Proposed Alteration Proposed Replacement (if any) d. Bordering Land Subject to Flooding 1. square feet 2. square feet 3. cubic feet of flood storage lost 4. cubic feet replaced е. П Isolated Land Subject to Flooding 1. square feet 2. cubic feet of flood storage lost 3. cubic feet replaced Riverfront Area 1. Name of Waterway (if available) - specify coastal or inland Width of Riverfront Area (check one): 25 ft. - Designated Densely Developed Areas only ☐ 100 ft. - New agricultural projects only 200 ft. - All other projects 3. Total area of Riverfront Area on the site of the proposed project: square feet 4. Proposed alteration of the Riverfront Area: a. total square feet b. square feet within 100 ft. c. square feet between 100 ft. and 200 ft. 5. Has an alternatives analysis been done and is it attached to this NOI? ☐ Yes ☐ No 6. Was the lot where the activity is proposed created prior to August 1, 1996? ☐ Yes ☐ No 3. Coastal Resource Areas: (See 310 CMR 10.25-10.35)

Note: for coastal riverfront areas, please complete Section B.2.f. above.

For all projects affecting other Resource Areas, please attach a narrative explaining how the resource area was delineated.



WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

וכ	vided by MassDEP:
	MassDEP File Number
	Document Transaction Number
	Boxford
	City/Town

B. Buffer Zone & Resource Area Impacts (temporary & permanent) (cont'd)

Check all that apply below. Attach narrative and supporting documentation describing how the project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.

Online Users: Include your document transaction number (provided on your receipt page) with all supplementary information you submit to the Department.

Resou	rce Area	Size of Proposed Alteration	Proposed Replacement (if any)
а. 🗌	Designated Port Areas	Indicate size under Land Under	er the Ocean, below
b. 🗌	Land Under the Ocean	1. square feet	
		2. cubic yards dredged	
с. 🗌	Barrier Beach	Indicate size under Coastal Bea	aches and/or Coastal Dunes below
d. 🗌	Coastal Beaches	1. square feet	2. cubic yards beach nourishment
е. 🗌	Coastal Dunes	1. square feet	2. cubic yards dune nourishment
		Size of Proposed Alteration	Proposed Replacement (if any)
f	Coastal Banks	1. linear feet	
g. 🔲	Rocky Intertidal Shores	1. square feet	
h. 🗌	Salt Marshes	1. square feet	2. sq ft restoration, rehab., creation
i. 🗌	Land Under Salt Ponds	1. square feet	
		2. cubic yards dredged	
j. 🗌	Land Containing Shellfish	1. square feet	
k. 🗌	Fish Runs		nks, inland Bank, Land Under the er Waterbodies and Waterways,
		1. cubic yards dredged	
l. 🗌	Land Subject to	1. square feet	
If the p		restoring or enhancing a wetland rered in Section B.2.b or B.3.h abo	
a. squar	e feet of BVW	b. square feet of	Salt Marsh
☐ Pr	oject Involves Stream Cros	sings	
a. numb	er of new stream crossings	b. number of renl	acement stream crossings
	and the same of th	b. Hamber of repr	asss.it ofform of occinigo

4.

5.



WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided	by	MassDEP
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MassDEP	File Numbe	r
Document	Transaction	Number
Boxford		
City/Town		

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			City/Town
C.	Other Applicat	le Standards and F	Requirements
	• •	•	n Limited Project. Skip Section C and Notice of Intent – Required Actions (310 CMR
Str	eamlined Massach	usetts Endangered Spec	ies Act/Wetlands Protection Act Review
1.	the most recent Estim Natural Heritage and Massachusetts Natura	ated Habitat Map of State-Lis	stimated Habitat of Rare Wildlife as indicated on sted Rare Wetland Wildlife published by the m (NHESP)? To view habitat maps, see the ewer.htm .
	a. 🗌 Yes 🛛 No	If yes, include proof of m	ailing or hand delivery of NOI to:
	MassGIS b. Date of map	Natural Heritage and E Division of Fisheries and 1 Rabbit Hill Road Westborough, MA 0156	
	CMR 10.18). To qualicomplete Section C.1 complete Section C.2 by completing Section	fy for a streamlined, 30-day, c, and include requested ma f, if applicable. <i>If MESA suppled of this form, the NHESP w</i>	Endangered Species Act (MESA) review (321 MESA/Wetlands Protection Act review, please terials with this Notice of Intent (NOI); OR plemental information is not included with the NOI, will require a separate MESA filing which may take in Section 2 apply, see below).
	c. Submit Supplemen	tal Information for Endangere	ed Species Review*
	1. Percentag	e/acreage of property to be a	altered:
	(a) within wetl	and Resource Area	percentage/acreage
	(b) outside Re	source Area	percentage/acreage
	2. Assessor	s Map or right-of-way plan of	site
2.	wetlands jurisdiction,	entire project site, including w showing existing and propos ng line, and clearly demarcat	retland resource areas and areas outside of ed conditions, existing and proposed ed limits of work **
	(a) Project de buffer zon		on of impacts outside of wetland resource area &
	(b) Photogra	phs representative of the site	

wpaform3.doc • rev. 3/10/2016

Some projects not in Estimated Habitat may be located in Priority Habitat, and require NHESP review (see http://www.mass.gov/eea/agencies/dfg/dfw/natural-heritage/regulatory-review/). Priority Habitat includes habitat for state-listed plants and strictly upland species not protected by the Wetlands Protection Act.

^{**} MESA projects may not be segmented (321 CMR 10.16). The applicant must disclose full development plans even if such plans are not required as part of the Notice of Intent process.



Bureau of Resource Protection - Wetlands

WPA Form 3 - Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided	by	Mass	DEP
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City/Town

MassDEP	File Number
Document	Transaction Number
Boxford	

C. Other Applicable Standards and Requirements (cont'd)

	(c) MESA filing fee (fee information available at http://www.mass.gov/dfwele/dfw/nhesp/regulatory review/mesa/mesa fee schedule.htm). Make check payable to "Commonwealth of Massachusetts - NHESP" and <i>mail to NHESP</i> at above address				
	Projects	altering 10	or more acres of land, also sub	nit:	
	(d)	Vegetatio	n cover type map of site		
	(e)	Project pl	ans showing Priority & Estima	ted Habitat boundaries	
	(f) OR	Check Or	e of the Following		
	1. 🗌	Attach ap http://www.the.NOI.n	exempt from MESA review. plicant letter indicating which v.mass.gov/dfwele/dfw/nhesp nust still be sent to NHESP if t 10.37 and 10.59.)	/regulatory review/mesa/	mesa exemptions.htm;
	2. 🗌	Separate N	MESA review ongoing.	a. NHESP Tracking #	b. Date submitted to NHESP
	3.	Include co	MESA review completed. ppy of NHESP "no Take" dete th approved plan.	rmination or valid Conser	vation & Management
3.	For coastal line or in a		nly, is any portion of the propo	osed project located below	w the mean high water
	a. Not a	pplicable -	project is in inland resource	area only b. 🗌 Yes	⊠ No
	If yes, include proof of mailing, hand delivery, or electronic delivery of NOI to either:				either:
	South Shore the Cape &		to Rhode Island border, and	North Shore - Hull to New	Hampshire border:
	Division of M Southeast M Attn: Enviror 1213 Purcha New Bedford Email: DMF	larine Fishe nmental Rev ase Street – d, MA 0274	ries Station riewer 3rd Floor	Division of Marine Fisherie North Shore Office Attn: Environmental Revie 30 Emerson Avenue Gloucester, MA 01930 Email: <u>DMF.EnvReviev</u>	wer

Also if yes, the project may require a Chapter 91 license. For coastal towns in the Northeast Region, please contact MassDEP's Boston Office. For coastal towns in the Southeast Region, please contact MassDEP's Southeast Regional Office.



Online Users: Include your document transaction number

(provided on your receipt page) with all supplementary information you submit to the Department.

Massachusetts Department of Environmental Protection Bureau of Resource Protection - Wetlands

WPA Form 3 - Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided	by	MassD	EP:
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City/Town

MassDEP	File Number
Document	Transaction Number
Boxford	

C. Other Applicable Standards and Requirements (cont'd)

4.	Is any portion of the p	roposed project within an Area of Critical Environmental Concern (ACEC)?
	a. 🗌 Yes 🔀 No	If yes, provide name of ACEC (see instructions to WPA Form 3 or MassDEP Website for ACEC locations). Note: electronic filers click on Website.
	b. ACEC	
5.		proposed project within an area designated as an Outstanding Resource Water in the Massachusetts Surface Water Quality Standards, 314 CMR 4.00?
	a. 🗌 Yes 🖾 No	
6.		ite subject to a Wetlands Restriction Order under the Inland Wetlands . c. 131, § 40A) or the Coastal Wetlands Restriction Act (M.G.L. c. 130, § 105)?
	a. 🗌 Yes 🔯 No	
7.	Is this project subject	to provisions of the MassDEP Stormwater Management Standards?
	Standard 1. Applying	copy of the Stormwater Report as required by the Stormwater Management s per 310 CMR 10.05(6)(k)-(q) and check if: for Low Impact Development (LID) site design credits (as described in nwater Management Handbook Vol. 2, Chapter 3)
	2. A portion	of the site constitutes redevelopment
	3. Proprieta	ry BMPs are included in the Stormwater Management System.
	b. No. Check w	ny the project is exempt:
	1. Single-fa	mily house
	2. Emergen	cy road repair
		sidential Subdivision (less than or equal to 4 single-family houses or less than 4 units in multi-family housing project) with no discharge to Critical Areas.
D.	Additional Inf	ormation
		an Ecological Restoration Limited Project. Skip Section D and complete al Restoration Notice of Intent – Minimum Required Documents (310 CMR
	Applicants must inclu	de the following with this Notice of Intent (NOI). See instructions for details.
		the document transaction number (provided on your receipt page) for any of tion you submit to the Department.
	sufficient info	er map of the area (along with a narrative description, if necessary) containing rmation for the Conservation Commission and the Department to locate the site. ers may omit this item.)

Plans identifying the location of proposed activities (including activities proposed to serve as a Bordering Vegetated Wetland [BVW] replication area or other mitigating measure) relative

to the boundaries of each affected resource area.

2.



WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided	by	Mass	DEP
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MassDEP File Number
Document Transaction Number
Boxford
City/Town

D. Additional Information (cont'd)

υ.	Auui	tional iiii	officialion (conta)		
	3. 🛚	Field Data Fo	ethod for BVW and other resound in the resource of the method of the method	ability, Order of Resource	
	4. 🛛	List the titles a	and dates for all plans and othe	er materials submitted with	this NOI.
	Far	Corner Golf C	ourse Pump House Repair (St	neets C1-C3)	
	a. P	lan Title			
		B Design Grou	p LLC	Thad Berry	
		repared By		c. Signed and Stamped by	
		0/2016 inal Revision Date		1"=10 e. Scale	
	u. Fi	iliai Revision Date		e. Scale	
	f. Ac	lditional Plan or D	ocument Title		g. Date
	5.	If there is mor listed on this f	e than one property owner, ple orm.	ease attach a list of these p	
	6.	Attach proof of	f mailing for Natural Heritage a	and Endangered Species	Program, if needed.
	7.	Attach proof o	f mailing for Massachusetts D	ivision of Marine Fisheries	, if needed.
	8. 🛛	Attach NOI W	etland Fee Transmittal Form		
	9.	Attach Storm	water Report, if needed.		
					,
E.	Fees				
	,	Can Everante	No filipp for abolt be accessed	for annious of any site. to	
	1. 📙		No filing fee shall be assessed nwealth, federally recognized		
			ne Massachusetts Bay Transp		inty, municipal nousing
		dationty, or th	io Maccachacotto Bay Transp	ortation rathonty.	
	Applica	nts must subm	it the following information (in	addition to pages 1 and 2	of the NOI Wetland
	Fee Tra	ansmittal Form) to confirm fee payment:		
	1076			9/22/16	
		pal Check Numbe	r	3. Check date	
	1075			9/22/16	
		Check Number	I Companyi in a	5. Check date	
		r Environmenta		7 Dovor name on shardy I	ant Nama
	o. Payor	name on check: F	list ivame	7. Payor name on check: L	asi name



WPA Form 3 - Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

MassDEP File Number
Document Transaction Number
Boxford
City/Town

F. Signatures and Submittal Requirements

I hereby certify under the penalties of perjury that the foregoing Notice of Intent and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge. I understand that the Conservation Commission will place notification of this Notice in a local newspaper at the expense of the applicant in accordance with the wetlands regulations, 310 CMR 10.05(5)(a).

I further certify under penalties of perjury that all abutters were notified of this application, pursuant to the requirements of M.G.L. c. 131, § 40. Notice must be made by Certificate of Mailing or in writing by hand delivery or certified mail (return receipt requested) to all abutters within 100 feet of the property line of the project location.

ny	9/19/16
Signature of Applicant	2. Date
3. Signature of Property Owner (if different)	4. Date /
5. Signature of Representative (if any)	9/22/16
	6. Date

For Conservation Commission:

Two copies of the completed Notice of Intent (Form 3), including supporting plans and documents, two copies of the NOI Wetland Fee Transmittal Form, and the city/town fee payment, to the Conservation Commission by certified mail or hand delivery.

For MassDEP:

One copy of the completed Notice of Intent (Form 3), including supporting plans and documents, one copy of the NOI Wetland Fee Transmittal Form, and a **copy** of the state fee payment to the MassDEP Regional Office (see Instructions) by certified mail or hand delivery.

Other:

If the applicant has checked the "yes" box in any part of Section C, Item 3, above, refer to that section and the Instructions for additional submittal requirements.

The original and copies must be sent simultaneously. Failure by the applicant to send copies in a timely manner may result in dismissal of the Notice of Intent.



Bureau of Resource Protection - Wetlands

A. Applicant Information

NOI Wetland Fee Transmittal Form

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.





Location of Project:			
5 Barker Road		Boxford	
a. Street Address		b. City/Town	
		\$500	
c. Check number		d. Fee amount	
Applicant Mailing Add	ress:		
Bob		Flynn	
a. First Name		b. Last Name	
Flynn's Management	Co., Inc. c/o Far Corne	r Golf Course	
c. Organization		· ·	
5 Barker Road			
d. Mailing Address			
Boxford		MA	01921
e. City/Town		f. State	g. Zip Code
		bflynn3885@comcast.net	t
h. Phone Number	i. Fax Number	j. Email Address	
Property Owner (if dif	ferent):		
a. First Name		b. Last Name	
c. Organization			
d. Mailing Address			

To calculate filing fees, refer to the category fee list and examples in the instructions for filling out WPA Form 3 (Notice of Intent).

B. Fees

e. City/Town

h. Phone Number

Fee should be calculated using the following process & worksheet. *Please see Instructions before filling out worksheet.*

f. State

j. Email Address

Step 1/Type of Activity: Describe each type of activity that will occur in wetland resource area and buffer zone.

Step 2/Number of Activities: Identify the number of each type of activity.

i. Fax Number

Step 3/Individual Activity Fee: Identify each activity fee from the six project categories listed in the instructions.

Step 4/Subtotal Activity Fee: Multiply the number of activities (identified in Step 2) times the fee per category (identified in Step 3) to reach a subtotal fee amount. Note: If any of these activities are in a Riverfront Area in addition to another Resource Area or the Buffer Zone, the fee per activity should be multiplied by 1.5 and then added to the subtotal amount.

Step 5/Total Project Fee: Determine the total project fee by adding the subtotal amounts from Step 4.

Step 6/Fee Payments: To calculate the state share of the fee, divide the total fee in half and subtract \$12.50. To calculate the city/town share of the fee, divide the total fee in half and add \$12.50.

g. Zip Code



Bureau of Resource Protection - Wetlands

NOI Wetland Fee Transmittal Form

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

В.	Fees (continued)			
	Step 1/Type of Activity	Step 2/Number of Activities	Step 3/Individual Activity Fee	Step 4/Subtotal Activity Fee
	2 j. other activity	 1	500	500
			-	
		Step 5/Te	otal Project Fee:	500
		Step 6/	Fee Payments:	
		Total	Project Fee:	\$500 a. Total Fee from Step 5
		State share	of filing Fee:	\$237.50 b. 1/2 Total Fee less \$12.50
		City/Town share	e of filling Fee:	\$262.50 c. 1/2 Total Fee plus \$12.50

C. Submittal Requirements

a.) Complete pages 1 and 2 and send with a check or money order for the state share of the fee, payable to the Commonwealth of Massachusetts.

Department of Environmental Protection Box 4062 Boston, MA 02211

b.) To the Conservation Commission: Send the Notice of Intent or Abbreviated Notice of Intent; a copy of this form; and the city/town fee payment.

To MassDEP Regional Office (see Instructions): Send a copy of the Notice of Intent or Abbreviated Notice of Intent; a **copy** of this form; and a **copy** of the state fee payment. (E-filers of Notices of Intent may submit these electronically.)

CASH ONLY IF ALL CheckLock™ SECURITY FEATURES LISTED ON BACK INDICATE NO TAMPERING OR COPYING 1076 NEWBURYPORT FIVE CENTS SVGS BK RIMMER ENVIRONMENTAL CONSULTING, LLC 53-7150/2113 **57 BOSTON ROAD** NEWBURY, MA 01951 978-463-9226 9/22/2016 PAY TO THE **262.50 Town of Boxford ORDER OF Two Hundred Sixty-Two and 50/100****** DOLLARS Town of Boxford 7A Spofford Road Boxford, MA 01921 @ 2014 MEMO "OO1076" ::211371502: 1905 659 ISH ONLY IF ALL *CheckLock™* SECURITY FEATURES LISTED ON BACK INDICATE NO TAMPERING OR COPYING



RIMMER ENVIRONMENTAL CONSULTING, LLC

Commonwealth of Mass.

9/22/2016

1075

237.50

TOWN OF BOXFORD ABUTTER LIST PARCEL #2-1-9 \sim BARKER ROAD \sim CONSERVATION COMMISSION 250'

September 12, 2016

Project Location

The project site is the irrigation pond on the first hole at Far Corner Golf Course. The pond is man-made and was constructed from uplands in the 1960s when the course was built. On the pond bank is a 13×15 pump house and small metal dock that provides access to the irrigation intakes. Its location is depicted on the USGS topographic quadrangle identified as Figure 1 below.

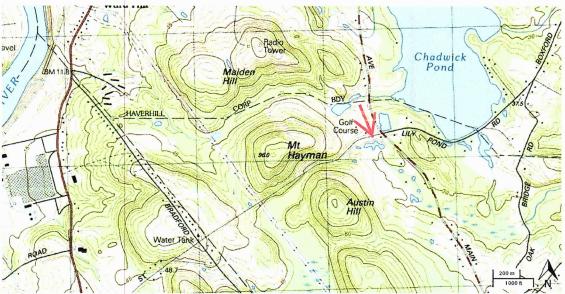


Fig. 1 USGS Site Locus

Project Description

The applicant proposes to demolish the existing pump house and remove the existing dock and intakes, then construct a new pump house and install a new floating intake. The new pump house will be set back from the pond bank three feet more than the existing pump house. It will also be three feet wider than the existing structure in order to accommodate the new, more energy efficient pumps (total 16 x 15). Approximately 39 square feet of additional Bordering Vegetated Wetland and restoration of 15 linear feet of Inland Bank will be created or restored by moving the building away from the shoreline.

To complete this work it is necessary to install a temporary construction road to access the work area. Sod will be stripped from the access road and stockpiled away from the

pond shore. Gravel will be installed to stabilize the road. Because of the proximity of the existing pump house to the water, it will also be necessary to draw down the water level during construction of the new foundation. As is typical for golf course operations at this site, the water will be pumped via a pipe connected to another irrigation pond to the south, on the second hole. Work is expected to be conducted during winter months and require 6-8 weeks for completion.

Wetland Resources

Wetland resources within the project area were delineated by Rimmer Environmental Consulting on June 13, 2016 in accordance with the procedures established within the Massachusetts Wetlands Protection Act Regulations (310 CMR 10.00) and the Town of Boxford Wetlands Bylaw Regulations. Wetland resources at the site are regulated only under the Mass. Wetlands Protection Act only. The Boxford Wetlands Bylaw specifically exempts from jurisdiction golf course ponds constructed for irrigation purposes. The following is a summary of wetland resources present:

Land Under a Waterbody: The irrigation pond is greater than 10,000 square feet in size, and though it is man-made, qualifies as Pond and contains Land Under a Waterbody resource pursuant to 310 CMR 10.00. The limits of the pond extend to the limit of Inland Bank resource described below.

Inland Bank: This resource includes the first observable break in slope along the shoreline, or mean high water whichever is lower. The top of Inland Bank resource was estimated to be at elevation 64 within the project area.

Bordering Vegetated Wetland: There is a small area of wet meadow and scrub shrub wetland above the Bank to the east of the pump house and a narrow fringe along the western shoreline which was delineated by wetland flags A1-A15. This wetland is dominated by Virginia rose (Rosa virginiana) along with jewelweed (Impatiens capensis), purple loosestrife (Lythrum salicaria) and tussock sedge (Carex stricta). The adjacent upland consists of mowed and maintained grass.

Performance Standards and Mitigation Measures

The project is subject to state wetland regulation only since the Boxford Wetlands Protection Bylaw does not regulate irrigation ponds on golf courses. The work is qualifies as a limited project pursuant to 310 CMR 10.53(3) (I) which includes construction, reconstruction, operation and maintenance of water dependent uses.

The work will result in the removal of the permanent intake structure, metal dock and restoration of 15 linear feet of bank that is currently occupied by the existing pump house, resulting in net improvements to existing wetland resources. In addition, approximately 39 square feet of new BVW will be created between the top of the Bank and the new pump house. Upon final grading, this new wetland area is proposed to be

seeded with a native wetland seed mix such as New England WetMix provided by New England Wetland Plants, Inc.

Temporary disturbance to buffer zones will be mitigated by conducting work during the winter months, preferably when the ground is solid or frozen. All soil and excavated material will be loaded directly onto trucks from the work site and stockpiled in an upland location until required for backfilling. Soil disturbance due to access by heavy equipment will be controlled by construction of a new temporary gravel access road and temporary construction entrance as depicted on the site plans. An erosion control barrier consisting of a staked siltation sock will be installed prior to commencement of work to minimize the potential for migration of sediment toward the pond.

Upon completion of final grading, all areas of disturbed soil will be seeded or mulched as seasonally appropriate and a durable vegetative cover will be re-established as soon as possible.

DEP Bordering Vegetated Wetland (310 CMR 10.55) Delineation Field Form

Applic	cant:	Applicant: Far Corner Golf	1,	ared by <u>: Rimmer Environm</u>	entalPro	Prepared by: Rimmer EnvironmentalProject location:Far Corner Golf, Boxford DEP File #:
Check	Check all that apply:	pply:				
	Vegeta	ion alone pres	umed adequate	☐ Vegetation alone presumed adequate BVW boundary: fill out section I only	section I only	
	Vegeta	ion and other	ndicators of hy	drology used to delineate	BVW bound	Vegetation and other indicators of hydrology used to delineate BVW boundary: fill out sections I and II
	Methoc	other than do	ninance test us	Method other than dominance test used (attach additional information)	rmation)	

Section I. Vegetation:

Observation plot Number: wetTransect number: A10Date of delineation: 6/13/16

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sedge/Carex scabrata	purple loosestrife/Lythrum salicaria	jewelweed/Impatiens capensis	Snrub virginia rose/Rosa virgniana Ground Cover	(by common name/scientific name)	A. Sample layer and plant species
ω	10.5	63	38	(or basal area)	B. Percent cover
4	14	82	100	Dominance	C. Percent
z	Z	~	~	(yes or no)	D. Dominant Plant
OBL*	FACW*	FACW*	FAC*	Indicator Category*	t E. Wetland

physiological or morphological adaptations, describe the adaptation next to the asterisk. FAC+, FACW, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to Use an asterisk to mark wetland indicator plants: species listed in the Wetlands Protection Act (MGL c. 131, s. 40); plants in the genus Sphagnum; plants listed as FAC,

Vegetation conclusion:

Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants? oximes yes Number of dominant wetland indicator plants: 2 Number of dominant non-wetland plants: 0

If vegetation alone is presumed adequate to delineate the BVW boundary, submit this form with the Request for Determination of Applicability or Notice of Intent

Section II. Indicators of Hydrology

		Γ	3. Other Conclusion: Is soil hydric? ⊠ ves □ no	Remarks	A 0-5" 10YR 2/2 B 5-16" 10YR 6/1	2. Soil description Horizon Depth Matrix Color Mottles Color	Are field observations consistent with soil survey? yes no Remarks:	Hydric soil inclusions:	Map number:	Is there a published soil survey for this site?	1. Soil Survey	Hydric Soil Interpretation
Sample location is in a BVW	Other indicators of hydrology present:	Wetland hydrology present: Hydric soil present	Number of wetland indicator plants >number of non-wetland indicator plants:	Vegetation and Hydrology Conclusion	Recorded data(stream, lake, or tidal gauge; aerial photo, other): Other:	Water-stained leaves:	☑ Drainage patterns in BVW:☐ Oxidized rhizospheres:	Sediment deposits:	Drift lines:	Depth to free water in observation hole:	∑ Site inundated: adjacent to pond	Other Indicators of Hydrology: (check all that apply and describe)
				Yes	aerial photo, o							t apply and descr
				No	other):							ribe)

DEP Bordering Vegetated Wetland (310 CMR 10.55) Delineation Field Form

If vege	Is th	Veg	Use a FAC-physi		Grou mow(AS	Sect		App
tation a	e nu	Vegetation conclusion:	n aster +, FA(ologic		Ground Cover mowed lawn with clover and grasses	ample layer and plant species (by common name/scientific name)	Section I. Vegetation:	Check all that apply: Vegetation algorithms	Applicant <u>:</u>
done is	mber	on co	risk to C-, FA al or r		/er n with	le lay	. Veg	that egeta egeta ethoo	1
presum	of d	nclus	mark CW, F norpho		clover	er ar	etati	apply tion a tion a tion a	Far (
ed adeq	omin	ion:	wetlar ACW ologica		and g	ıd pla e/scier	0 n :	: llone ind ot	orne
uate to	ant v	o t lan	nd indi +, or (nl adap		rasses	ant sp		presu ther in don	Far Corner Golf
delinea	vetlaı	7 2. 7	Cator J DBL; contation		.,	Sample layer and plant species (by common name/scientific name)	Obse	ımed ndica	f
If vegetation alone is presumed adequate to delineate the BVW boundary, submit this form with the Request for Determination of Applicability or Notice of Intent	Is the number of dominant wetland plants equi	icato	Use an asterisk to mark wetland indicator plants: species listed in the Wetlands Protection Act (MGL c. 131, s. FAC+, FAC-, FACW, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plan physiological or morphological adaptations, describe the adaptation next to the asterisk.			3 2	Observation plot Number: <u>up</u> lTransect number: <u>A10</u> Date of delineation: <u>6/13/16</u>	all that apply: Vegetation alone presumed adequate BVW boundary: fill out section I only Vegetation and other indicators of hydrology used to delineate BVW boundary: fill out sections I and II Method other than dominance test used (attach additional information)	
VW bou	ants o	<u> </u>	specie ts with ribe th			~ H	n plo	rate H	Prepared by: Rimmer Environmental
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submit t	to 01		d in th ologic station		100	Percent cover basal area)	nber:	boun y use	y <u>:</u> Rim
his forn	grea	Z	e Wetl al or n next t			cove a)	<u>upl</u> Tı	dary:	ımer E
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nation o	r of c	Number of deminant non-wetland plants:	L c. I. . If an				ate of	lary:	ject l
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or Notic	non-v	lante	ants in			ominant (yes or no))n: <u>6/1</u>	tions	ar Cor
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	Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants?		40); plants in the genus <i>Sphagnum</i> ; plants listed as FA(nts are identified as wetland indicator plants due to		(Project location:Far Corner Golf, Boxford DEP File #:
			um; pl		Caregory	Wetland Indicator			DEP
MAD	yes		ants li		٧	or I			File
MADEP; 3/95	no		sted as due to						#:
5	0		5 FAC						

Section II. Indicators of Hydrology

		Сопсизин. 13 зоп пуште: Ц усв 🖂 по	3. Other Conclusion: Is sail hydric? Types no	Remarks	A 0-8" 10YR 2/2 B 8-14" 7.5YR 4/4	2. Soil description Horizon Depth Matrix Color Mottles Color	Remarks:	Are field observations consistent with soil survey? yes no	Hydric soil inclusions:	Map number:	Title Agte:	Is there a published soil survey for this site?	1. Soil Survey	Hydric Soil Interpretation
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				Yes	erial photo, oth									apply and describe
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