

Notice of Intent (NOI) Application

Proposed Maintenance to
an Existing Fire Pond

50 Four Mile Village
Boxford, MA 01921

March 7, 2024

Prepared for:

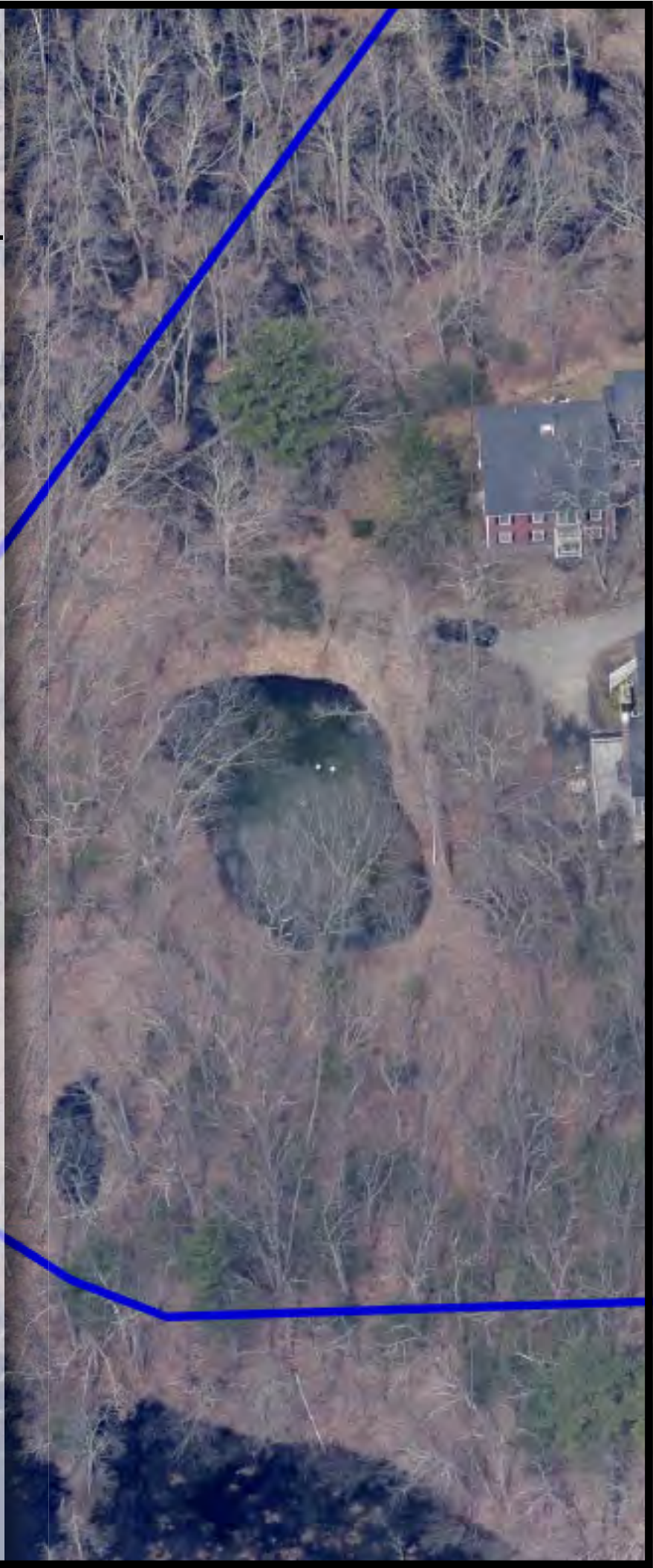
Boxford Friendship Foundation
50 Four Mile Village
Boxford, MA 01921

Design Team:

The Morin-Cameron Group, Inc.
66 Elm Street, Danvers, MA 01923

WJC Services
P.O. Box 785, Rowley, MA 01969

DeRosa Environmental Consulting, Inc.
150 Newburyport TNPk, Suite C9, Rowley MA 01969



March 7, 2024



BY ELECTRONIC MAIL & HAND DELIVERY

Boxford Conservation Commission
Town Hall
7A Spofford Road
Boxford, MA 01921

150 Newburyport Turnpike
Suite C-9
Rowley, MA
01969

978.948.7717 Office

derosaenvironmental.com

Attn: Mr. Ross Povenmire, Conservation Director
(978) 887-6000 ext.181
dircons@town.boxford.ma.us

RE: Notice of Intent (NOI) Application
Proposed Maintenance to an Existing Fire Suppression
and Irrigation Pond
Four Mile Village
50 Four Mile Village | Boxford, Massachusetts

Dear Mr. Povenmire and Members of the Commission,

Our firm has prepared the following Notice of Intent (NOI) Application to meet the requirements of the Massachusetts Wetlands Protection Act (MGL Ch. 131 Sec. 40) and its Regulations (310 CMR 10.00, et seq) (the "Act") and the Town of Boxford Wetlands Protection Bylaw, Town Code Ch. 192 & 357 (the "Bylaw"). We were authorized to prepare this filing at the request of the Boxford Friendship Foundation, owners of the property located at 50 Four Mile Village in the Town of Boxford, Massachusetts, known as Assessor's Map 19-2, Lot 18. This Notice of Intent (NOI) requests the



Aerial view of the existing Fire Pond at 50 Four Mile Village, Boxford

approval of the Commission for the proposed maintenance of an existing fire suppression and irrigation pond.

Executive Summary

Site Description

The subject property is known as Four Mile Village, a private senior living community. Four Mile Village is located on an approximate 37-acre parcel at 50 Four Mile Village known as Assessor's Map 19-2 Lot 18 (Figure 1, "the Site"). The Site is located south of Ipswich Road bordered by private residences to the north, south, west, and east. Stevens Pond Wetland Conservation Area abuts the Site on the east and Four Mile Pond and Pye Brook, an inland perennial stream, abuts the Site on the south. A Bordering Vegetated Wetland associated with Pye Brook is located on site. A man-made fire suppression and irrigation pond is also located on site. Since the fire pond is approximately 7,200 sf, which is less than 10,000 square feet, the pond itself is non-jurisdictional under the Wetlands Protection Act. Under the Boxford Wetlands Protection Bylaw, fire ponds are non-jurisdictional:

- (2) Notwithstanding the above, the following man-made bodies of open water shall not be considered ponds: swimming pools or other impervious man-made basins, fire ponds for approved subdivisions, approved stormwater management structures, irrigation ponds for agricultural purposes, golf courses, and individual gravel pits or quarries excavated from upland areas unless such gravel pit or quarry has been inactive for five or more consecutive years.

The existing resource areas on site are Bordering Vegetated Wetland, Flood Plain and Riverfront Area. A portion of the Site is also located within Priority Habitat.

Project Summary

In brief, the proposed project includes the following elements:

- Erosion Control and Dewatering Plan
- Removal of approximately 3-feet of soft sediment from within the fire pond
- Disposal of the soft sediment
- Planting Plan
- Habitat Protection Plan

The proposed work is located within the fire pond (Land Under Waterbody), the 200-foot Riverfront Area to Pye Brook, and the 100-foot buffer zone to Bordering Vegetated Wetland protected under the MA Wetlands Protection Act and Town of Boxford Wetlands Protection Bylaw (Figure 2a).

The Town of Boxford Regulations for Resource Areas and Buffer Zones (375-98(B)) requires minimum setbacks for proposed alteration of naturally vegetated buffer zone of 25-feet and 100-feet from Pye Brook. Although the proposed project is located more than 100-feet from Pye Brook, portions of the proposed project is located within the 25-foot setback to Bordering Vegetated Wetland.

Therefore, the project which is the subject of this application is within the jurisdiction of the Boxford Conservation Commission under the Act and the Bylaw and requires pre-construction review by the Commission. The following narrative provides details on the key project elements and how the project meets the performance standards of the Act and the Bylaw regulations.

Results

The proposed project will result in the removal of approximately 3-feet of soft sediment from the fire pond (approximately 7,200 sf) which is approximately 160 cubic yards of soft sediment that will be spread out and used as a planting medium within the buffer zone to Bordering Vegetated Wetland and outer 200-foot Riverfront Area.

Although the soft sediment disposal area is located within the 25-foot setback under the local regulations, the project will result in no adverse impact to the resource areas. The soft sediment disposal area will be replanted with native vegetation to remain a naturally vegetated buffer zone to protect the interests of the Act and Bylaw.

Access & Stockpile Area

Access to the project area would be from the existing paved driveway northeast of the fire pond and on maintained areas. Any disturbed soil will be immediately stabilized and reseeded and hay mulched with salt marsh hay.

Any stockpiled materials and machinery will be stored on the existing pavement and driveway as needed. A dewatering and erosion control plan are included in this application.

§ 375-98

BOXFORD CODE

§ 375-98

Minimum Setback Distance Chart (in feet) ^{1,2,3} N.B. Setbacks are based on impact [Amended 10-6-2005; 5-2-2019]				
Type of Project	Vernal Pool	Hovey's Baldpate, & Stiles Ponds	Other Wetland Resource Areas	River
Underground storage tanks containing any hazardous materials	100	100	100	200
Animal paddocks	100	100	100	200
Commercial, institutional, industrial, and municipal structures and associated parking facilities	100	100	100	200
Soil absorption system of a sanitary disposal	100	100	100	200
Swimming pool dry wells	100	100	100	200
Swimming pool patios	100	100	75	100
Other structures requiring a building permit (e.g., house, garage, deck, pool, structures for seasonal use, etc.)	100	100	75	100
Driveways and utilities	100	100	30	100
Retaining walls, other solid/imperious construction	100	100	30	100
Roadways	100	100	50	100
Other alterations of naturally vegetated buffer zone	100	100	25	100

NOTES:

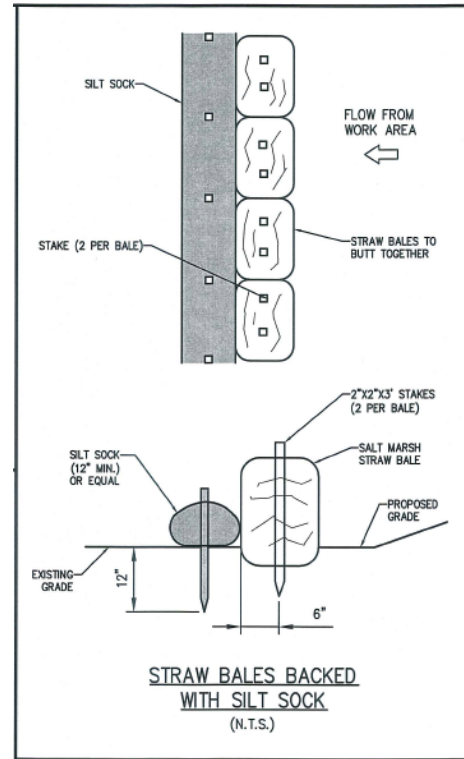
1 All distances in the above chart are measured radially on a horizontal plane from the wetland resource area boundary.

Project Elements

Erosion Control and Dewatering Plan

Configuration of Siltation Barriers

Because of the multi-faceted aspect of this project, the primary defense against siltation of downgradient resource areas will be provided by a pumped water filtration bag (Figure 2a & 2b). Water from the irrigation pond will be pumped through a filtration bag designed by Spilldam Inc. (or equal) and allowed to sheet flow to the downgradient wetland. This filtration bag (situated within the buffer zone between the pond and the wetland) will have a downgradient stone berm/silt sock check dam as a secondary defense against sedimentation. The sediment disposal area will also be staked with haybales and silt sock upgradient of the pond during construction. This will guard against release of sediment laden water in the event of pump failure and/or heavy storm events. These silt barriers will remain in place during the entire construction process.



Dewatering Plan

The project proposes to dewater the pond prior to removing the soft sediment. Water will be slowly pumped out of the pond by a floating sump pump, through a force main and into a filter bag. The filter bag and stone berm/silt sock check dam will capture any sediment before the water is slowly discharged to the wetland and back into the pond (Figure 2a & 2b).

Removal of approximately 3-feet of soft sediment from within the fire pond

Soft sediment accumulation within the existing man-made fire suppression and irrigation pond on site has become detrimental for water withdrawal in the event of a fire and for irrigation. The accumulation of soft sediment has rendered the pond ineffective for fire suppression and irrigation. Accordingly, the project proposes to remove approximately 3-feet of soft sediment

from the fire pond (7,200sf) which is approximately 160 cubic yards of soft sediment so that the pond may function as intended. The soft sediment disposal area has an available volume of approximately 200 cubic yards which will accommodate the removed soft sediment.

This activity will require the use of a long arm excavator to remove the soft sediment and dispose the organic material within the disposal area shown on the attached Plan to Accompany a Notice of Intent (Figure 2a and 2b). The machine will access the project area via the paved driveway and will be situated within upland areas above the pond.

Disposal of the soft sediment

Once removed from the pond, the soft sediment will be spread out within the soft sediment disposal area (Figure 2a). The organic material will naturally dry out. Once dry, the soft sediment will become a planting medium for native vegetation.

POND SEDIMENT REMOVAL CALCULATION:

TOTAL AREA OF POND (EDGE OF WATER)= 7,200± SF
 DEPTH OF EXCAVATION IN POND= 3 FT DEEP
 APPROX. VOLUME OF FILL FROM EXCAVATION = 20% (0.20)

$$7,200 \text{ SF} * 3 \text{ FT} * 0.20 = 4,320 \text{ CF (160 CY)}$$

APPROX. AVAILABLE VOLUME WITHIN "SOFT SEDIMENT FILL AREA" = 197 CY±

Planting Plan

After final grading all exposed soils will be seeded with a custom native seed mix (Figure 2c). Seed will be covered with salt marsh hay to retain soil moisture and protection from birds and small mammals. Once the seed has germinated and established, the soft sediment disposal area will function as a vegetated buffer to the pond and will remain natural.

<u>NATIVE CUSTOM UPLAND SEED MIX 50 FOUR MILE VILLAGE BOXFORD, MA</u>				
Common Name	Scientific Name	Indicator Status	Size	Quantity
Indian Grass	<i>Sorghastrum nutans</i>	UPL	Seed	
Switchgrass	<i>Panicum virgatum</i>	FAC	Seed	
Upland Bentgrass	<i>Agrostis pernnans</i>	FACU	Seed	
Ticklegrass	<i>Agrostis scabra</i>	FAC	Seed	
Red Fescue	<i>Festuca rubra</i>	FACU	Seed	
Little Bluestem	<i>Schizachyrium scoparium</i>	FACU-	Seed	
				25 lbs

Irrigation During Establishment Period

Planting areas will be irrigated, as needed, by the property owner to ensure that the planted material is established.

Habitat Protection Plan

Protection of Wildlife

Fish, turtles and other wildlife have been observed within the fire pond. The project proposes that these species be protected during the removal of soft sediment by trapping and temporarily relocating them using nets and buckets until such time that they can be returned to the pond. DeRosa Environmental Staff will be on site to monitor and carefully capture any observed fish, turtles and other wildlife and temporarily store them in buckets with water to protect them from the impacts of the maintenance activities.

Dewatering of the fire pond will be accomplished through slowly pumping the pond from the surface using a floating submersible pump. This activity will remove the majority of the water from the pond during sediment removal. By slowly pumping the pond, the fish species will be able to migrate to deeper depressions within the dewatered pond. Every effort will be made by the contractor to minimize loss of fish.

During the dewatering process, the fish will be confined to a small sampling sump (excavated “refugia” area) so they can be easily removed using nets and buckets, if needed based on water quality (clarity). Fish will be collected one bucket at a time to reduce stress. Then, each fish will be individually removed into a container bearing a small amount of water, identified to species, length measured, and tallied, before being released into the adjacent pond.



Example of a bucketed fish from a past project

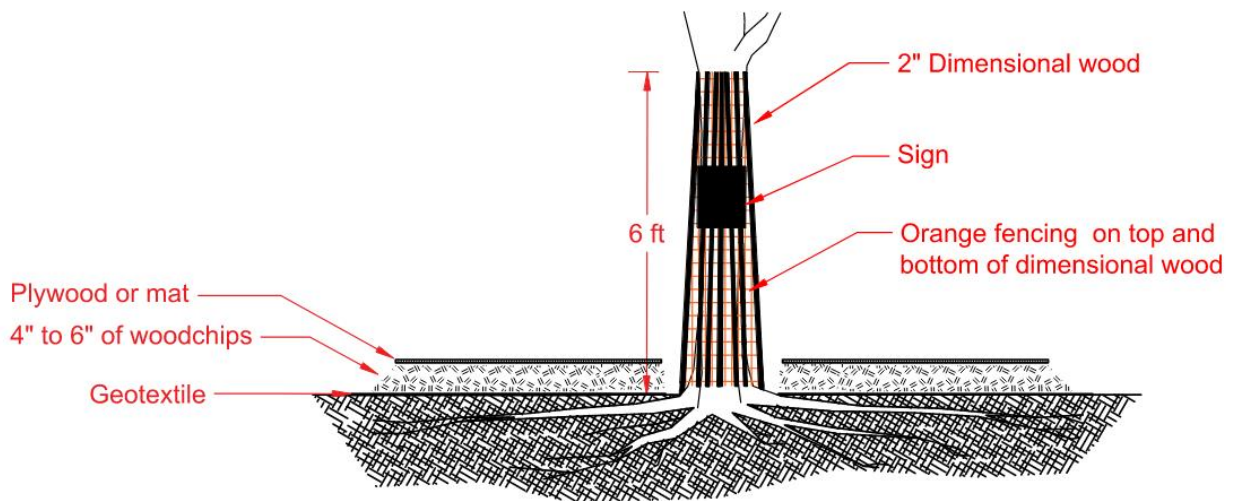
Protection of Existing Vegetation

Existing canopy trees and shrubs will be protected during the construction activities. No trees or shrubs will be removed as part of this project. Existing canopy trees and shrubs will be protected during the construction activities by wrapping the trunks of trees within 25 feet of the activity area (see Tree Protection Diagram). There will be no trees or shrubs removed as part of

this project. Shrub areas within the activity area will be fenced with timber stakes and orange construction fencing to establish a visual barrier and limit of work zone.

Trunk Wrap - Timber or Straw Wattle Wrapped with Orange Construction Fencing

Wrap tree trunks with orange plastic fencing for buffering (2" thick). Overlay orange plastic fencing with 2-inch thick wooden slats bound securely by two layers of additional orange fencing (slats shall not be allowed to dig into the bark). During installation, use caution to avoid damaging any branches. Major limbs may also require wrapping. Straw wattle can be used as an alternative material. For this purpose, coil the straw wattle around the lowest 6' of the trunk and secure it with a double layer of orange fence or similar material.



*Adapted from City of San Mateo Tree Protection Requirements-Type III Trunk Wrap;
<https://www.cityofsanmateo.org/4757/Tree-Protection-Requirements>*

Construction Sequence

The following is the proposed construction sequence which is subject to modification by the contractor and the environmental monitor based on site conditions at the time of work, weather or other unforeseen conditions. At all times protection of private property and wetland resource areas and buffer zones will be held paramount.

1. Establish erosion control and dewatering elements according to the site plan.
2. Prepare the soft sediment disposal area according to the site plan; install erosion control berm according to the site plan.
3. Slowly dewater the surface water from the pond using a floating submersible pump and discharge to the sediment removal hose and “dirt-bag” system.
4. As water is removed from the pond, excavate a depression on the far side of the pond as a “refugia” for fish and aquatic wildlife remaining in the pond. Implement the removal of fish as needed. If water remains clear then fish can stay within the refuge area.
5. Continue dewatering of the pond and removal of soft sediment to the dewatering and disposal area.
6. Upon completion of the soft sediment removal, allow water to refill the pond area. Remove dewatering equipment. Assess sediment removal in erosion control areas. Rough grade, seed and hay mulch as needed.
7. Rough grade, seed and hay mulch the soft sediment disposal area.
8. Monitor the establishment of vegetation within the disposal areas and any disturbed soil areas. Supplement seeding and additional hay mulch as needed.

Existing Wetland Resource Areas

Portions of the proposed work at the Site will occur within the 100-foot buffer zone to Bordering Vegetated Wetland and the 200-foot Riverfront Area to Pye Brook. Therefore, the project which is the subject of this application is within the jurisdiction of the Boxford Conservation Commission under the Act and the Bylaw and requires pre-construction review by the Commission.

Bordering Vegetated Wetland – 310 CMR 10.55

Bordering Vegetated Wetland is defined under the Act as freshwater wetland which “...border on creeks, rivers, streams, ponds, and lakes.” On September 20, 2023, our firm delineated the boundaries of the existing Bordering Vegetated Wetland in accordance with the methodology

described in the Massachusetts Wetlands Protection Act (MGL Ch. 131 Sec. 40) and its Regulations at 310 CMR 10.00, et seq., as well as guidance documents prepared by the MADEP including the Massachusetts Handbook for Delineation of Bordering Vegetated Wetlands, second addition, dated September 2022.

The boundaries of Bordering Vegetated Wetlands were flagged in one (1) consecutive alphanumeric series numbered:

- WF-A1 to WF-A56

Vegetation, soils, hydrology, a clear break in slope along with other indicators were used to determine the boundary of the wetland. Accordingly, it is our professional opinion that the boundary of Bordering Vegetated Wetland delineated in the field accurately represents the definition of Bordering Vegetated Wetland described at 310 CMR 10.55 et seq.

The Act and the Bylaw identify the buffer zone as the jurisdictional area which extends 100-feet from the edge of a wetland boundary. The area of buffer zone that is regulated by the Act and the Bylaw and falls within the limits of work is associated with the delineated Bordering Vegetated Wetland associated with Pye Brook and the man-made pond. Portions of the proposed work are located within this buffer zone (Figure 2a & 2b).

Additionally, the Bylaw establishes a 25-foot minimum required setback to Bordering Vegetated Wetland for proposed alteration of naturally vegetated buffer zone. A portion of the proposed project is located within the 25-foot setback. Since no construction is proposed within this setback, existing canopy and shrub vegetation will be retained, and the area will remain naturally vegetated upon the completion of the project a waiver request is not necessary.

Land Under Waterbody – 310 CMR 10.56

Land under water body is defined as "*the land beneath any creek, river, stream, or lake. Said land may be composed of organic much or peat, fine sediments, rocks or bedrock...The boundary of Land under Water Bodies and Waterways is the mean annual low water level*" (310 CMR 10.56 (2)).

Since the fire pond is approximately 7,200 sf, which is less than 10,000 square feet, the pond is non-jurisdictional under the Wetlands Protection Act. Under the Boxford Wetlands Protection Bylaw, fire ponds are non-jurisdictional. Accordingly, the proposed project is not located in Land Under Waterbody because the pond is non-jurisdictional.

Bordering Land Subject to Flooding – 310 CMR 10.57

Bordering Land Subject to Flooding is defined under the Massachusetts Wetlands Protection Act as “an area which floods from a rise in a bordering waterway or water body. Such areas are likely to be significant to flood control and storm damage prevention”. A portion of the site is located within the Federal Emergency Management Agency (FEMA) Flood Zone A. The proposed project is above the Flood Zone. Accordingly, Bordering Land Subject to Flooding is not evaluated as part of this application (Figure 6).

Riverfront Area – 310 CMR 10.58

Riverfront area is defined under the MA Wetlands Protection Act as “...*the area of land between a river’s mean annual high-water line and a parallel line measured horizontally.*” A river is “*any natural flowing body of water that empties to any ocean, lake, pond, or other river and which flows throughout the year.*”

A portion of the site is located within the 200-foot riverfront area associated with an inland perennial stream called Pye Brook, which is located on the eastern portion of the property. Maintained areas including the man-made fire suppression and irrigation pond and associated utilities are located within the outer riparian zone of the Riverfront Area. The inner riparian zone of the Riverfront Area will remain unaltered. Since the riverfront area is not previously degraded, this project must meet the requirements of 310 CMR 10.58(4).

The MA Wetlands Protection Act Regulations Performance Standards (310 CMR 10.58(4)):

- (a) Protection of Other Resource Areas. The work shall meet the performance standards for all other resource areas within the riverfront area, as identified in 310 CMR 10.30 (Coastal Bank), 10.32 (Salt Marsh), 10.55 (Bordering Vegetated Wetland), and 10.57 (Land Subject to Flooding). When work in the riverfront area is also within the buffer zone to another resource area, the performance standards for the riverfront area shall contribute to the protection of the interests of M.G.L. c. 131, § 40 in lieu of any additional requirements that might otherwise be imposed on work in the buffer zone within the riverfront area.

The project is not located within Coastal Bank, Salt Marsh, Bordering Vegetated Wetland or Land Subject to Flooding. The project is located within buffer zone to Bordering Vegetated Wetland. Accordingly, the project meets the performance standards for Riverfront Area that shall contribute to the protection of the interests of the Act.

- (b) Protection of Rare Species. No project may be permitted within the riverfront area which will have any adverse effect on specified habitat sites of rare wetland or upland, vertebrate or invertebrate species, as identified by the procedures established under 310 CMR 10.59 or 10.37, or which will have any adverse effect on vernal pool habitat certified prior to the filing of the Notice of Intent.

The project is not located within Rare and Endangered Species habitat or a certified vernal pool.

- (c) Practicable and Substantially Equivalent Economic Alternatives. There must be no practicable and substantially equivalent economic alternative to the proposed project with less adverse effects on the interests identified in M.G.L. c. 131 § 40.

The project proposes maintenance activities within an existing man-made fire suppression and irrigation pond. The existing pond is located within the 200-foot Riverfront Area of Pye Brook. Accordingly, work cannot be located outside of the Riverfront Area.

Alternatives for the soft sediment disposal area were considered as part of the design process. The soft sediment, once removed from the pond will be heavy and saturated. Hauling away heavy, saturated soft sediment would be messy and inefficient. Since it would be important to dry out the soft sediment before transport, it is most practicable to place the soft sediment in the chosen disposal area near the pond. The organic material becomes a useful planting medium for native plants to create a vegetated buffer to the pond. Since no shrub or canopy vegetation will be removed, it would be more impactful to try to haul the sediment away from the Riverfront Area, than use it as a planting medium.

Accordingly, there are no other alternatives for the project that would have less adverse effects on the Riverfront Area.

- (d) No Significant Adverse Impact. The work, including proposed Restoration measures, must have no significant adverse impact on the riverfront area to protect the interest identified in M.G.L. c. 131 § 40.

1. Within 200 foot riverfront areas, the issuing authority may allow the alteration of up to 5000 square feet or 10% of the riverfront area within the lot, whichever is greater, on a lot recorded on or before October 6, 1997 or lots recorded after October 6, 1997 subject to the restrictions of 310 CMR 10.58(4)(c)2.b.vi., or up to 10% of the riverfront area within a lot recorded after October 6, 1997, provided that:

According to the deed, the lot was first recorded in 1985.

The total square footage of riverfront area is approximately 64,600sf.

The total square footage of proposed alteration is approximately 9,455sf.

Although this amounts to greater than 10% of the total riverfront area, the proposed alterations are temporary. The proposed sediment disposal area is 2,285sf of the riverfront area, and the pond is 7,200sf. Because the entire pond is within the riverfront area, the proposed alteration cannot be less than 7,200sf. Since the riverfront area will continue to function as it is currently, as a non-developed or degraded riverfront area, it is our professional opinion that the proposed project is in line with the interests protected in the Act and Bylaw.

a. At a minimum, a 100 foot wide area of undisturbed vegetation is provided. This area shall extend from mean annual high-water along the river unless another location would better protect the interests identified in M.G.L. c. 131 § 40. If there is not a 100 foot wide area of undisturbed vegetation within the riverfront area, existing vegetative cover shall be preserved or extended to the maximum extent feasible to approximate a 100 foot wide corridor of natural vegetation. Replication and compensatory storage required to meet other resource area performance standards are allowed within this area; structural stormwater management measures may be allowed only when there is no practicable alternative. Temporary impacts where necessary for installation of linear site-related utilities are allowed, provided the area is restored to its natural conditions. Proposed work which does not meet the requirement of 310 CMR 10.58(4)(d)1.a. may be allowed only if an applicant demonstrates by a

preponderance of evidence from a competent source that an area of undisturbed vegetation with an overall average width of 100 feet will provide equivalent protection of the riverfront area, or that a partial rebuttal of the presumptions of significance is sufficient to justify a lesser area of undisturbed vegetation;

A 100-foot wide area of undisturbed vegetation will remain unaltered.

b. Stormwater is managed according to standards established by the Department in its Stormwater Policy.

No construction is proposed as part of this project. Canopy and shrub vegetation will be retained. Accordingly, the project is exempt from the standards established by the Department in its Stormwater Policy.

c. Proposed work does not impair the capacity of the riverfront area to provide important wildlife habitat functions. Work shall not result in an impairment of the capacity to provide vernal pool habitat identified by evidence from a competent source, but not yet certified. For work within an undeveloped riverfront area which exceeds 5,000 square feet, the issuing authority may require a wildlife habitat evaluation study under 310 CMR 10.60.

The proposed work will not impair the capacity of the Riverfront Area to provide important wildlife habitat. Although the existing fire suppression and irrigation pond is labeled as a potential vernal pool on the most recent MassMapper GIS map, evidence of fish habitat has been observed. Fish are predators to vernal pool species, and therefore the man-made pond is not suitable vernal pool habitat.

Additionally, a Habitat Protection Plan is incorporated into this application to protect existing wildlife and vegetation (see Habitat Protection Plan above).

Monitoring, bucketing and trapping of observed amphibian and fish species is proposed during the dewatering of the pond to ensure the protection of wildlife. Trapped and bucketed species will be relocated back to the pond once the water level of the pond is restored.

Existing canopy and shrub vegetation will remain and a native species planting plan will be installed. This planting plan will be beneficial for the wildlife habitat function of the riverfront area, as it will provide natural forage and overwinter for wildlife species and a vegetated buffer to the pond.

d. Proposed work shall not impair groundwater or surface water quality by incorporating erosion and sedimentation controls and other measures to attenuate nonpoint source pollution.

Erosion control measures consisting of a stone berm and straw wattle are proposed to be located upgradient of the Bordering Vegetated Wetland and downgradient of the proposed soft sediment disposal area and dewatering area.

2. Within 25 foot riverfront areas, any proposed work shall cause no significant adverse impact by....:

This project is not located within a 25-foot Riverfront Area.

4. Notwithstanding the provisions of 310 CMR 10.58(4)(d)1. or 2., the issuing authority may allow the construction of a commercial structure of minimum feasible dimension, on a lot recorded before August 7, 1996 where the size or shape of the lot within the riverfront area prevents the construction from meeting the requirements of 310 CMR 10.58(4)(d)1. or 2..."

This project does not propose the construction of a commercial structure.

Accordingly, we suggest that the project has met conditions described in 310 CMR 10.58(4)(a) through (d) and no adverse impact to the riverfront area will result from the proposed project.

NHESP Rare and Endangered Species Estimated Habitat

Although a portion of the site is mapped as Priority Habitat, the proposed project is not located within the boundaries of Priority or Estimated Habitats of Rare Species as determined by the Massachusetts Natural Heritage and Endangered Species Program (NHESP - Figure 5). Therefore, a review of this application is not required by the NHESP and a copy of the application has not been forwarded to them.

Jurisdiction and Procedural Matters

Abutter Notification

Abutters within 250 feet of the property line of this parcel (Assessor's Map 19-2, Lot 18) have been notified in writing by Certificate of Mailing in accordance with the Massachusetts Department of Environmental Protection (MADEP) policy regarding such notice, which is in effect for Notice of Intent applications filed after April 13, 1994. Proof of this notice and a copy of the letter sent (typical) accompany this filing, as required (see Appendix A).

Forms and Fees

Fee calculation sheets, fee transmittal forms, and photocopies of payment are attached. A single (1) copy of this application has been forwarded to the MADEP/NERO to await the issuance of a file number. In addition, a copy of the Fee Transmittal Form and the state filing fee has been sent to the MADEP Lock Box in Boston, Massachusetts via Certificate of Mailing.

Other Permits

The pond maintenance work does not require additional permitting under the Army Corps of Engineers, as this pond is considered a “reflecting pool” under their Regulations and their maintenance does not require special permitting under Section 404 and the Clean Waters Act and because the pond is non-jurisdictional under the Wetlands Protection Act or Bylaw. Similarly, since a Section 404 permit is not required, a Water Quality Certification would similarly not be required. Importantly, this work is considered the maintenance of the existing fire pond. We do not propose to enlarge or change the aerial extent of the existing footprint of the pond.

Stormwater Management

The project does not propose any structures or removal of vegetation. Accordingly, the Stormwater Management Standards (Volume 1, pages 1-3, MADEP Stormwater Management Policy Handbook) do not apply.

Request for Issuance of an Order of Conditions

The proposed project has been designed to avoid, minimize and mitigate impacts to existing wetland resource areas as defined under the Massachusetts Wetlands Protection Act (MGL CH. 131 Sec. 40, et seq.) and the Town of Boxford Wetlands Protection Bylaw, Town Code Ch. 192 & 357. Since the interests of the Act and the Bylaw have been addressed as part of this plan, we request that an Order of Conditions be issued so that the Boxford Friendship Foundation may commence with the implementation of the proposed project.

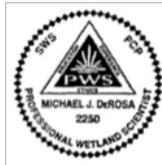
Should you have any questions, or would like to arrange a site walk to review the project, please don't hesitate to call us at (978) 948-7717.

Respectfully submitted,

DeRosa Environmental Consulting, Inc.



Michael J. DeRosa, Principal
Wetland Ecologist, LSP, LEED AP, PWS



Evin Guvendiren
Natural Resource Economist

cc: MADEP/NERO, Wetlands Division, 150 Presidential Way, Wilmington, MA 01801
Four Mile Village (by email)
The Morin-Cameron Group, Inc. (by email)

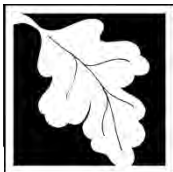
Forms

[Notice of Intent \(NOI\) WPA Form 3](#)

[Wetland Fee Transmittal Form](#)

[Boxford Conservation Commission Fee Schedule](#)

[Copies of Filing Fee Checks](#)



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

Provided by MassDEP:	
MassDEP File Number	
Document Transaction Number	
Boxford	
City/Town	

WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40
Boxford Wetlands Protection Bylaw Town Code c 192 & 375

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

1. Project Location (**Note:** electronic filers will click on button to locate project site):

<u>50 Four Mile Village</u>	<u>Boxford</u>	<u>01921</u>
a. Street Address	b. City/Town	c. Zip Code
Latitude and Longitude:	<u>42.68516</u>	<u>-70.00655</u>
	d. Latitude	e. Longitude
<u>19-2</u>	<u>18</u>	
f. Assessors Map/Plat Number	g. Parcel /Lot Number	

2. Applicant:

<u>Boxford Friendship Foundation</u>	b. Last Name	
a. First Name		
c. Organization		
<u>50 Four Mile Village</u>		
d. Street Address		
<u>Boxford</u>	<u>MA</u>	<u>01921</u>
e. City/Town	f. State	g. Zip Code
<u>978-887-8941</u>	<u>mchristian@fourmilevillage.org</u>	
h. Phone Number	i. Fax Number	j. Email Address

3. Property owner (required if different from applicant): Check if more than one owner

<u></u>	b. Last Name	
a. First Name		
c. Organization		
<u></u>		
d. Street Address		
<u></u>	<u></u>	<u></u>
e. City/Town	f. State	g. Zip Code
<u></u>	<u></u>	<u></u>
h. Phone Number	i. Fax Number	j. Email address

4. Representative (if any):

<u>DeRosa Environmental Consulting, Inc.</u>	b. Last Name	
a. First Name		
c. Company		
<u>150 Newburyport Turnpike, Suite C-9</u>		
d. Street Address		
<u>Rowley</u>	<u>MA</u>	<u>01969</u>
e. City/Town	f. State	g. Zip Code
<u>978-948-7717</u>	<u>guvendiren.derosa@gmail.com</u>	
h. Phone Number	i. Fax Number	j. Email address

5. Total WPA Fee Paid (from NOI Wetland Fee Transmittal Form):

<u>\$750</u>	<u>\$362.50</u>	<u>\$387.50</u>
a. Total Fee Paid	b. State Fee Paid	c. City/Town Fee Paid



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
Boxford Wetlands Protection Bylaw Town Code c 192 & 375

Provided by MassDEP:	
MassDEP File Number	
Document Transaction Number	
Boxford	
City/Town	

A. General Information (continued)

6. General Project Description:

Proposed maintenance of an existing fire pond

7a. Project Type Checklist: (Limited Project Types see Section A. 7b.)

- 1. Single Family Home
- 2. Residential Subdivision
- 3. Commercial/Industrial
- 4. Dock/Pier
- 5. Utilities
- 6. Coastal engineering Structure
- 7. Agriculture (e.g., cranberries, forestry)
- 8. Transportation
- 9. 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)?

- 1. Yes No If yes, describe which limited project applies to this project. (See 310 CMR 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:

Southern Essex

a. County

7680

c. Book

b. Certificate # (if registered land)

540

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, Coastal Resource Areas).

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.



Massachusetts Department of Environmental Protection
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Provided by MassDEP:	
MassDEP File Number	
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Boxford	
City/Town	

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

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

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
a. <input type="checkbox"/> Bank	1. linear feet	2. linear feet
b. <input type="checkbox"/> Bordering Vegetated Wetland	1. square feet	2. square feet
c. <input type="checkbox"/> Land Under Waterbodies and Waterways	1. square feet	2. square feet
	3. cubic yards dredged	

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
d. <input type="checkbox"/> Bordering Land Subject to Flooding	1. square feet	2. square feet
	3. cubic feet of flood storage lost	4. cubic feet replaced
e. <input type="checkbox"/> Isolated Land Subject to Flooding	1. square feet	
	2. cubic feet of flood storage lost	3. cubic feet replaced
f. <input checked="" type="checkbox"/> Riverfront Area	Pye Brook - Inland	

2. 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: 64,600sf
square feet

4. Proposed alteration of the Riverfront Area:

<u>9,455sf</u>	<u>0sf</u>	<u>9,455sf</u>	*Non-Jurisdictional Pond = 7,200sf
a. total square feet	b. square feet within 100 ft.	c. square feet between 100 ft. and 200 ft.	*Sediment disposal area = 2,285sf

- 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.



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

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Provided 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.

<u>Resource Area</u>	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
a. <input type="checkbox"/> Designated Port Areas	Indicate size under Land Under the Ocean, below	
b. <input type="checkbox"/> Land Under the Ocean	_____	
	1. square feet	

	2. cubic yards dredged	
c. <input type="checkbox"/> Barrier Beach	Indicate size under Coastal Beaches and/or Coastal Dunes below	
d. <input type="checkbox"/> Coastal Beaches	_____	_____
	1. square feet	2. cubic yards beach nourishment
e. <input type="checkbox"/> Coastal Dunes	_____	_____
	1. square feet	2. cubic yards dune nourishment

	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
f. <input type="checkbox"/> Coastal Banks	_____	
	1. linear feet	
g. <input type="checkbox"/> Rocky Intertidal Shores	_____	
	1. square feet	
h. <input type="checkbox"/> Salt Marshes	_____	_____
	1. square feet	2. sq ft restoration, rehab., creation
i. <input type="checkbox"/> Land Under Salt Ponds	_____	
	1. square feet	

	2. cubic yards dredged	
j. <input type="checkbox"/> Land Containing Shellfish	_____	
	1. square feet	
k. <input type="checkbox"/> Fish Runs	Indicate size under Coastal Banks, inland Bank, Land Under the Ocean, and/or inland Land Under Waterbodies and Waterways, above	

	1. cubic yards dredged	
l. <input type="checkbox"/> Land Subject to Coastal Storm Flowage	_____	
	1. square feet	

4. Restoration/Enhancement
If the project is for the purpose of restoring or enhancing a wetland resource area in addition to the square footage that has been entered in Section B.2.b or B.3.h above, please enter the additional amount here.

_____	_____
a. square feet of BVW	b. square feet of Salt Marsh

5. Project Involves Stream Crossings

_____	_____
a. number of new stream crossings	b. number of replacement stream crossings



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Provided by MassDEP:
MassDEP File Number
Document Transaction Number
Boxford
City/Town

C. Other Applicable Standards and Requirements

- This is a proposal for an Ecological Restoration Limited Project. Skip Section C and complete Appendix A: Ecological Restoration Limited Project Checklists – Required Actions (310 CMR 10.11).

Streamlined Massachusetts Endangered Species Act/Wetlands Protection Act Review

- Is any portion of the proposed project located in **Estimated Habitat of Rare Wildlife** as indicated on the most recent Estimated Habitat Map of State-Listed Rare Wetland Wildlife published by the Natural Heritage and Endangered Species Program (NHESP)? To view habitat maps, see the *Massachusetts Natural Heritage Atlas* or go to http://maps.massgis.state.ma.us/PRI_EST_HAB/viewer.htm.

a. Yes No **If yes, include proof of mailing or hand delivery of NOI to:**

**Natural Heritage and Endangered Species Program
Division of Fisheries and Wildlife
1 Rabbit Hill Road
Westborough, MA 01581**

August 2021
b. Date of map

If yes, the project is also subject to Massachusetts Endangered Species Act (MESA) review (321 CMR 10.18). To qualify for a streamlined, 30-day, MESA/Wetlands Protection Act review, please complete Section C.1.c, and include requested materials with this Notice of Intent (NOI); OR complete Section C.2.f, if applicable. *If MESA supplemental information is not included with the NOI, by completing Section 1 of this form, the NHESP will require a separate MESA filing which may take up to 90 days to review (unless noted exceptions in Section 2 apply, see below).*

c. Submit Supplemental Information for Endangered Species Review*

- Percentage/acreage of property to be altered:
 - (a) within wetland Resource Area _____ percentage/acreage
 - (b) outside Resource Area _____ percentage/acreage
- Assessor’s Map or right-of-way plan of site

- Project plans for entire project site, including wetland resource areas and areas outside of wetlands jurisdiction, showing existing and proposed conditions, existing and proposed tree/vegetation clearing line, and clearly demarcated limits of work **
 - (a) Project description (including description of impacts outside of wetland resource area & buffer zone)
 - (b) Photographs representative of the site

* Some projects **not** in Estimated Habitat may be located in Priority Habitat, and require NHESP review (see <https://www.mass.gov/endangered-species-act-mesa-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.



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

(c) MESA filing fee (fee information available at <https://www.mass.gov/how-to/how-to-file-for-a-mesa-project-review>).
Make check payable to "Commonwealth of Massachusetts - NHESP" and **mail to NHESP** at above address

Projects altering 10 or more acres of land, also submit:

(d) Vegetation cover type map of site

(e) Project plans showing Priority & Estimated Habitat boundaries

(f) OR Check One of the Following

1. Project is exempt from MESA review.
Attach applicant letter indicating which MESA exemption applies. (See 321 CMR 10.14, <https://www.mass.gov/service-details/exemptions-from-review-for-projectsactivities-in-priority-habitat>; the NOI must still be sent to NHESP if the project is within estimated habitat pursuant to 310 CMR 10.37 and 10.59.)

2. Separate MESA review ongoing. a. NHESP Tracking # _____ b. Date submitted to NHESP _____

3. Separate MESA review completed.
Include copy of NHESP "no Take" determination or valid Conservation & Management Permit with approved plan.

3. For coastal projects only, is any portion of the proposed project located below the mean high water line or in a fish run?
a. Not applicable – 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:

South Shore - Cohasset to Rhode Island border, and the Cape & Islands: North Shore - Hull to New Hampshire border:

Division of Marine Fisheries -
Southeast Marine Fisheries Station
Attn: Environmental Reviewer
836 South Rodney French Blvd.
New Bedford, MA 02744
Email: dmf.envreview-south@mass.gov

Division of Marine Fisheries -
North Shore Office
Attn: Environmental Reviewer
30 Emerson Avenue
Gloucester, MA 01930
Email: dmf.envreview-north@mass.gov

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.

c. Is this an aquaculture project? d. Yes No

If yes, include a copy of the Division of Marine Fisheries Certification Letter (M.G.L. c. 130, § 57).



Massachusetts Department of Environmental Protection
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WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40
Boxford Wetlands Protection Bylaw Town Code c 192 & 375

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Boxford

City/Town

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

4. Is any portion of the proposed 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. Is any portion of the proposed project within an area designated as an Outstanding Resource Water (ORW) as designated in the Massachusetts Surface Water Quality Standards, 314 CMR 4.00?
- a. Yes No
6. Is any portion of the site subject to a Wetlands Restriction Order under the Inland Wetlands Restriction Act (M.G.L. 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?
- a. Yes. Attach a copy of the Stormwater Report as required by the Stormwater Management Standards per 310 CMR 10.05(6)(k)-(q) and check if:
1. Applying for Low Impact Development (LID) site design credits (as described in Stormwater Management Handbook Vol. 2, Chapter 3)
 2. A portion of the site constitutes redevelopment
 3. Proprietary BMPs are included in the Stormwater Management System.
- b. No. Check why the project is exempt:
1. Single-family house
 2. Emergency road repair
 3. Small Residential Subdivision (less than or equal to 4 single-family houses or less than or equal to 4 units in multi-family housing project) with no discharge to Critical Areas.

D. Additional Information

- This is a proposal for an Ecological Restoration Limited Project. Skip Section D and complete Appendix A: Ecological Restoration Notice of Intent – Minimum Required Documents (310 CMR 10.12).

Applicants must include the following with this Notice of Intent (NOI). See instructions for details.

Online Users: Attach the document transaction number (provided on your receipt page) for any of the following information you submit to the Department.

1. USGS or other map of the area (along with a narrative description, if necessary) containing sufficient information for the Conservation Commission and the Department to locate the site. (Electronic filers may omit this item.)
2. 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.

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

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Boxford Wetlands Protection Bylaw Town Code c 192 & 375

Provided by MassDEP:	
MassDEP File Number	
Document Transaction Number	
Boxford	
City/Town	

D. Additional Information (cont'd)

- 3. Identify the method for BVW and other resource area boundary delineations (MassDEP BVW Field Data Form(s), Determination of Applicability, Order of Resource Area Delineation, etc.), and attach documentation of the methodology.
- 4. List the titles and dates for all plans and other materials submitted with this NOI.

Site Development Plan	

a. Plan Title	
The Morin-Cameron Group, Inc.	William Schkuta
b. Prepared By	c. Signed and Stamped by
2-22-2024	1"=20'
d. Final Revision Date	e. Scale
Figures 2b & 2c by DeRosa Environmental Consulting	2-23-24
f. Additional Plan or Document Title	g. Date
- 5. If there is more than one property owner, please attach a list of these property owners not listed on this form.
- 6. Attach proof of mailing for Natural Heritage and Endangered Species Program, if needed.
- 7. Attach proof of mailing for Massachusetts Division of Marine Fisheries, if needed.
- 8. Attach NOI Wetland Fee Transmittal Form
- 9. Attach Stormwater Report, if needed.

E. Fees

- 1. Fee Exempt: No filing fee shall be assessed for projects of any city, town, county, or district of the Commonwealth, federally recognized Indian tribe housing authority, municipal housing authority, or the Massachusetts Bay Transportation Authority.

Applicants must submit the following information (in addition to pages 1 and 2 of the NOI Wetland Fee Transmittal Form) to confirm fee payment:

17904	1/30/2024
2. Municipal Check Number	3. Check date
17906	2/8/2024
4. State Check Number	5. Check date
Boxford Friendship Foundation	
6. Payor name on check: First Name	7. Payor name on check: Last Name



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

Provided by MassDEP:
MassDEP File Number
Document Transaction Number
Boxford
City/Town


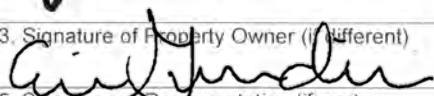
WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40
Boxford Wetlands Protection Bylaw Town Code c 192 & 375

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.

	Jered Stewart for Boxford Friendship Foundation / Four Mile Village	01/29/2024
1. Signature of Applicant		2. Date
3. Signature of Property Owner (if different)		4. Date
		3/7/2024
5. Signature of Representative (if any)		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:

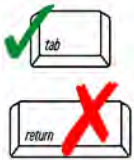
If the applicant has checked the "yes" box in any part of Section C, Item 3, above, refer to that section and the Instructions for additional submittal requirements.

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.



Massachusetts Department of Environmental Protection
 Bureau of Resource Protection - Wetlands
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.



A. Applicant Information

1. Location of Project:

50 Four Mile Village	Boxford
a. Street Address	b. City/Town
17906	\$362.50
c. Check number	d. Fee amount

2. Applicant Mailing Address:

a. First Name		b. Last Name	
Boxford Friendship Foundation			
c. Organization			
50 Four Mile Village			
d. Mailing Address			
Boxford	MA	01921	
e. City/Town	f. State	g. Zip Code	
978-887-8941	mchristian@fourmilevillage.org		
h. Phone Number	i. Fax Number	j. Email Address	

3. Property Owner (if different):

a. First Name		b. Last Name	
c. Organization			
d. Mailing Address			
e. City/Town		f. State	g. Zip Code
h. Phone Number	i. Fax Number	j. Email Address	

B. Fees

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

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.

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.

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

Fee changes adopted 1-6-2021

Fee Category	Example	Old fees adopted 3/17/2011	New fees adopted 1-6-2022
Request for Determination of Applicability		\$100.00	\$350.00
Notice of Intent			
Category 1	Addition/Alteration	\$200.00	\$475.00
Category 2	New Single Family House	\$1,000.00	\$1,475.00
Category 3	Site dev w/o house, road constr		\$1,475.00
Category 4	Subdivisions (first 1500' of road,+2/lf after)	\$3,000.00	\$3,975.00
Category 5	Work on docks		\$475.00
	add Each Crossing (road intermittent)	\$1,000.00	\$1,000.00
	add Each Crossing (road perennial)	\$2,000.00	\$2,000.00
	add Each Crossing (driveway perennial)	\$1,000.00	\$1,000.00
	add Each Crossing (driveway intermittent)	\$400.00	\$400.00
	add Wetland Resource Alteration	.50 sq ft	.50 sq ft
	add Bank Alteration	.50 lin ft	.50 lin ft
Category 6	add Boundary Verif (\$25/100' after 100')	\$50/100' after	\$50/100' after
ANRAD (\$100 + \$25/100' after 100')		\$200+\$50/	\$475+\$50/
Certificate of Compliance (w/ 1 yr)		\$50.00	\$50.00
Certificate of Compliance (after 1 yr)		\$100.00	\$100.00
Partial Certificate of Compliance		\$50.00	\$50.00
Amended Order of Conditions		\$400.00	\$725.00
Extension Permit		\$150.00	\$150.00
Standard Request for Written Project Status		\$100.00	\$100.00
Expedited Request for Written Project Status		\$200.00	\$200.00
Affidavit		\$200.00	\$200.00
Determination of Negligible Impact		\$50.00	\$50.00
Emergency Certification		\$50.00	\$50.00
Site Visit without Application (non-owner)		\$50.00	\$50.00
Site Visit without Application (owner)		\$25.00	\$50.00
Soil Policy Fee		\$50.00	\$50.00

Boxford Friendship Foundation
Four Mile Village
c/o BCS
10 Phoenix Row
Haverhill, MA 01832

Pentucket Bank
Haverhill, Massachusetts 01830
53-7006/2113

17904

17904

DATE	AMOUNT
Jan 30, 2024	*****\$387.50

Three Hundred Eighty-Seven and 50/100 Dollars

PAY
TO THE
ORDER *Town of Boxford*
OF



Memo:



DOCUMENT IS PRINTED ON CHEMICALLY REACTIVE PAPER - THE BACK OF THIS DOCUMENT INCLUDES A TAMPER EVIDENT CHEMICAL WASH WARNING BOX

Boxford Friendship Foundation
Four Mile Village
c/o BCS
10 Phoenix Row
Haverhill, MA 01832

Pentucket Bank
Haverhill, Massachusetts 01830
53-7006/2113

17903

17903

DATE	AMOUNT
Jan 30, 2024	*****\$1,475.00

One Thousand Four Hundred Seventy-Five and 00/100 Dollars

PAY
TO THE
ORDER *Town of Boxford*
OF



Memo:



DOCUMENT IS PRINTED ON CHEMICALLY REACTIVE PAPER - THE BACK OF THIS DOCUMENT INCLUDES A TAMPER EVIDENT CHEMICAL WASH WARNING BOX

Boxford Friendship Foundation
Four Mile Village
c/o BCS
10 Phoenix Row
Haverhill, MA 01832

Pentucket Bank
Haverhill, Massachusetts 01830
53-7006/2113

17906

17906

DATE	AMOUNT
Feb 8, 2024	*****\$362.50

Three Hundred Sixty-Two and 50/100 Dollars

PAY
TO THE
ORDER *Commonwealth of Massachusetts*
OF



Memo:



Figures

Figure 1: USGS Locus Map

Figure 2a: Site Development Plan, The Morin-Cameron Group, Inc.

Figure 2b: Project Elements Plan, DeRosa Environmental Consulting, Inc.

Figure 2c: Proposed Planting Plan, DeRosa Environmental Consulting, Inc.

Figure 3: MassGIS Aerial Map

Figure 4: MassGIS Wetlands Map

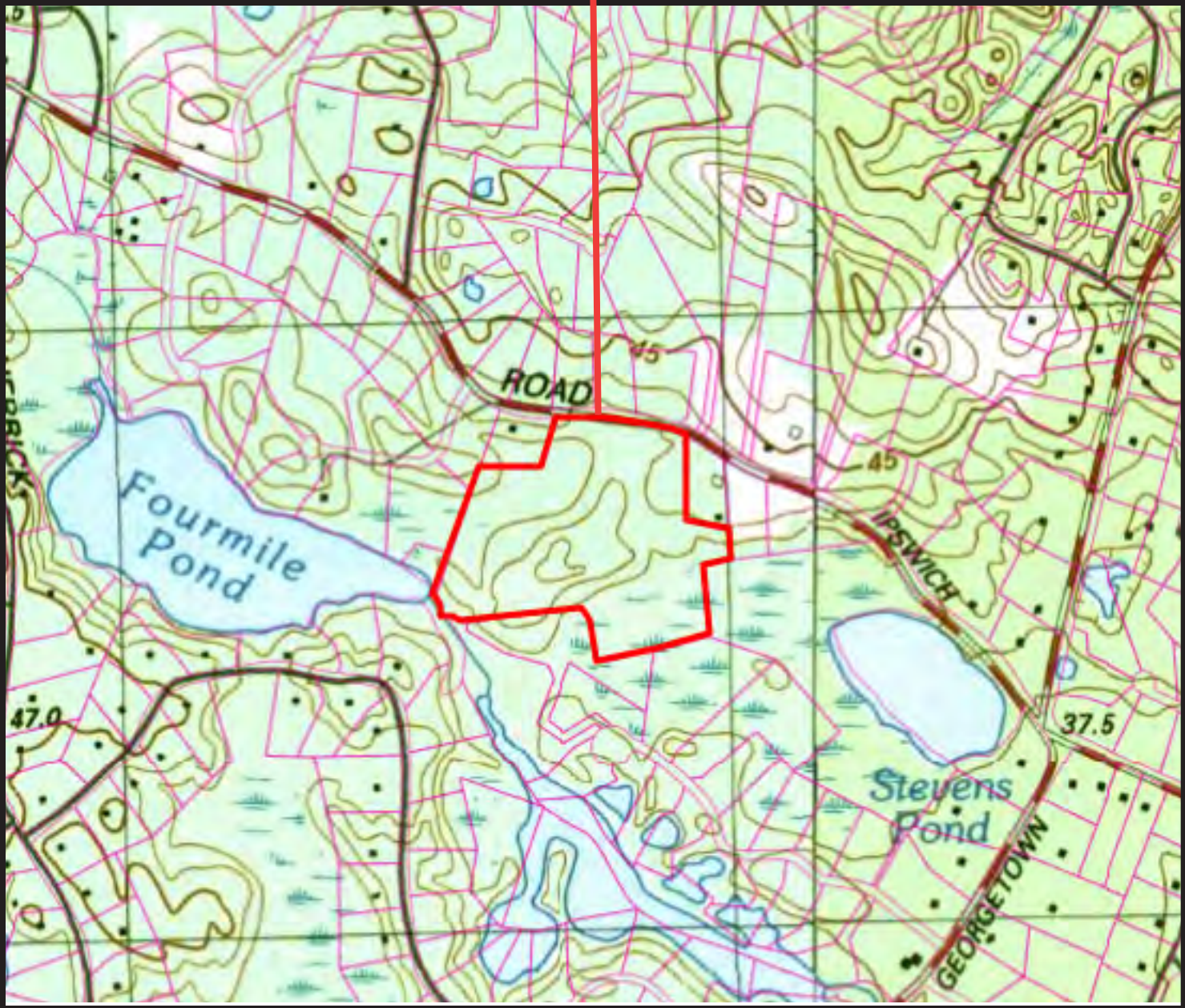
Figure 5: MassGIS NHESP Map

Figure 6: FEMA Firmette Flood Map

Notice of Intent

50 Four Mile Village | Boxford, MA

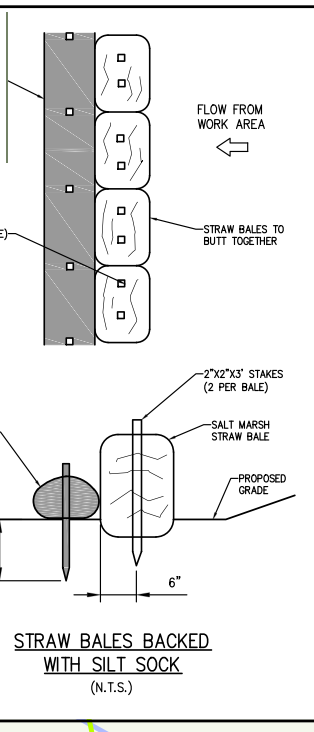
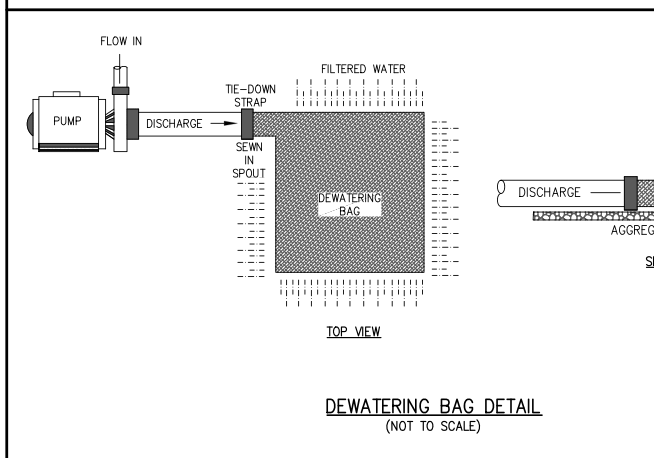
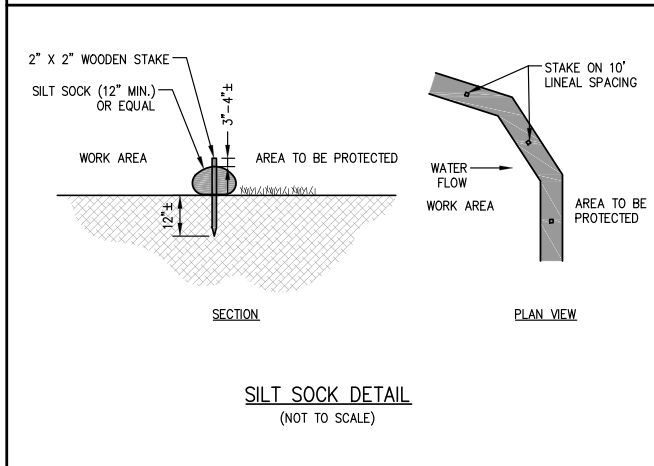
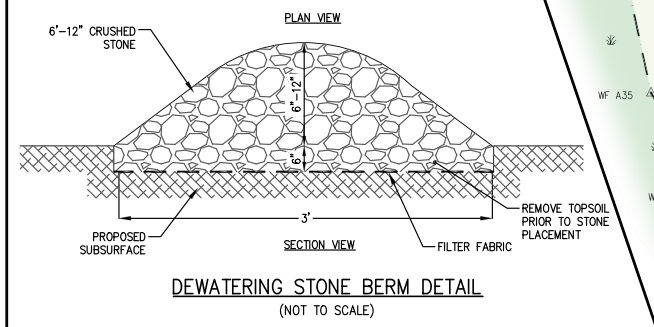
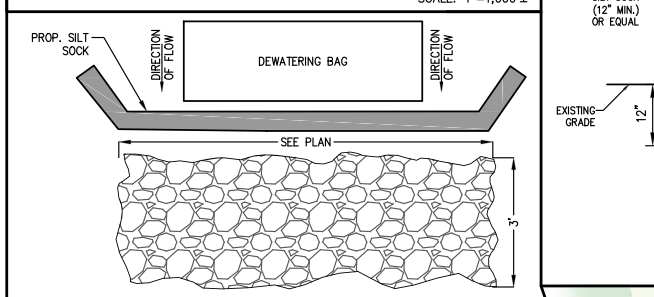
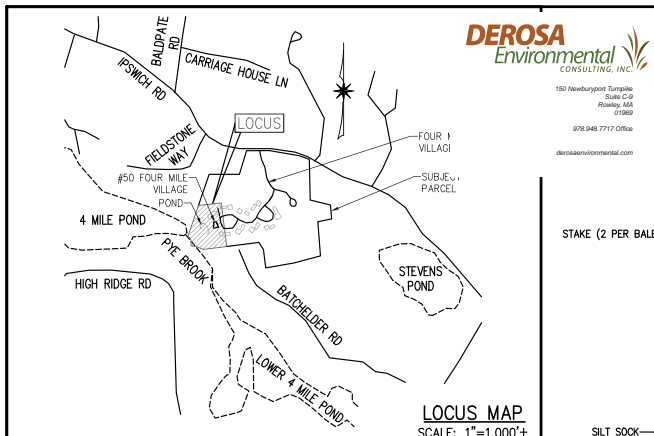
Figure 1. Topographic Map



MassMapper
USGS Topographic Quadrangle Maps



150 Newburyport Turnpike Suite C-9, Rowley Massachusetts 01969 USA
978 948-7717 Office



POND SEDIMENT REMOVAL CALCULATION:
TOTAL AREA OF POND (EDGE OF WATER) = 7,200± SF
DEPTH OF EXCAVATION IN POND = 3 FT DEEP
APPROX. VOLUME OF FILL FROM EXCAVATION = 20% (0.20)

7,200 SF * 3 FT * 0.20 = 4,320 CF (160 CY)
APPROX. AVAILABLE VOLUME WITHIN "SOFT SEDIMENT FILL AREA" = 197 CY±

LEGEND:

- 10'- - - - - EXISTING MAJOR CONTOURS
- 11'- - - - - EXISTING MINOR CONTOURS
- - - - - PROPOSED CONTOURS
- △ WF A1 WETLAND FLAG
- - - - - LIMIT OF BORDERING VEGETATED WETLAND
- - - - - 25' NO DISTURB ZONE
- - - - - 75' NO BUILD ZONE
- - - - - 100' BUFFER ZONE
- - - - - LIMIT OF FEMA FLOODPLAIN
- - - - - 100' SETBACK TO MEAN ANNUAL HIGH WATER
- - - - - 200' RIVERFRONT AREA
- - - - - LIMIT OF NHESP PRIORITY HABITATS OF RARE SPECIES (HABITAT #PH 1999) & ESTIMATED HABITATS OF RARE WILDLIFE

Figure 2b. Project Elements Plan
50 Four Mile Village | Boxford, MA

FLOOD NOTE:
A PORTION OF THE SUBJECT PROPERTY IS LOCATED WITHIN A ZONE A 100 YEAR FLOOD PLAIN AS ILLUSTRATED ON THE FLOOD INSURANCE RATE MAP COMMUNITY PANEL NO. 25009C0242F, WHICH HAS AN EFFECTIVE DATE OF JULY 3, 2012.

RECORD OWNER:
BOXFORD FRIENDSHIP FOUNDATION
50 FOUR MILE VILLAGE
BOXFORD, MA 01921
ASSESSORS MAP 19, BLOCK 2, LOT 18
BOOK 7680, PAGE 504

DATUM:
ELEVATIONS HEREON ARE BASED ON AN ASSUMED VERTICAL DATUM.

WETLAND NOTE:
WETLAND RESOURCE AREAS DELINEATED BY DEROSA ENVIRONMENTAL CONSULTING, INC., 150 NEWBURYPORT TURNPIKE, SUITE C-9, ROWLEY, MA 01969 (978-948-7717) IN NOVEMBER 2023.

NATURAL HERITAGE NOTE:
A PORTION OF THE SUBJECT PARCEL IS LOCATED WITHIN THE NATURAL HERITAGE & ENDANGERED SPECIES PROGRAM'S ESTIMATED HABITAT OF RARE WILDLIFE AND PRIORITY HABITAT OF RARE SPECIES (HABITAT #PH 1999) AS SHOWN ON THE MASSACHUSETTS GIS DATABASE (MASSMAPPER).

The Morin-Cameron GROUP, INC.
CIVIL ENGINEERS | ENVIRONMENTAL CONSULTANTS
LAND SURVEYORS | LAND USE PLANNERS
66 ELM STREET, DANVERS, MASSACHUSETTS 01923
P: 978-777-8586, W: WWW.MORINCAMERON.COM



- Notes:**
1. Base plan by the Morin-Cameron Group, Inc. dated February 22, 2024.
 2. Notes and color added by DeRosa Environmental Consulting, Inc. on February 23, 2024.

Michael J. DeRosa
PWS No. 2250
MJD/eg/ldr
February 23, 2024

REVISIONS

NO.	DATE	DESCRIPTION

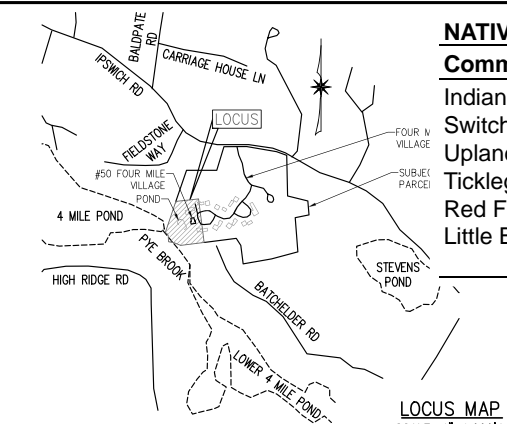
APPROVED BY: WAS
CHECKED BY: WAS
DRAFTED BY: DTS
DATE: FEBRUARY 22, 2024

SITE DEVELOPMENT PLAN
IN
BOXFORD, MASSACHUSETTS
50 FOUR MILE VILLAGE
(ASSESSORS MAP 19, BLOCK 2, LOT 18)
PREPARED FOR:
FOUR MILE VILLAGE

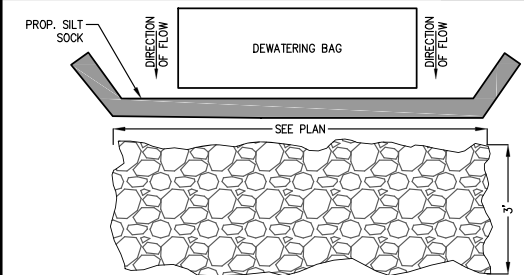
SDP
DRAWING NO:
1 OF 1

NATIVE CUSTOM UPLAND SEED MIX | 50 FOUR MILE VILLAGE | BOXFORD, MA

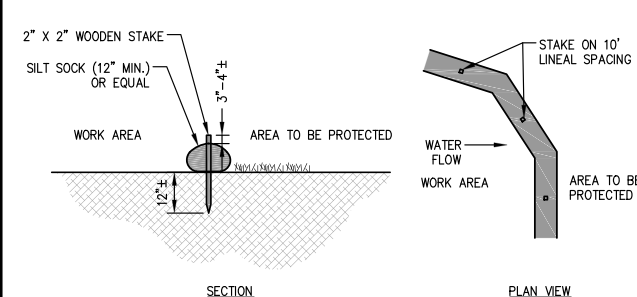
Common Name	Scientific Name	Indicator Status	Size	Quantity
Indian Grass	<i>Sorghastrum nutans</i>	UPL	Seed	25 lbs
Switchgrass	<i>Panicum virgatum</i>	FAC	Seed	
Upland Bentgrass	<i>Agrostis pernans</i>	FACU	Seed	
Ticklegrass	<i>Agrostis scabra</i>	FAC	Seed	
Red Fescue	<i>Festuca rubra</i>	FACU	Seed	
Little Bluestem	<i>Schizachyrium scoparium</i>	FACU-	Seed	



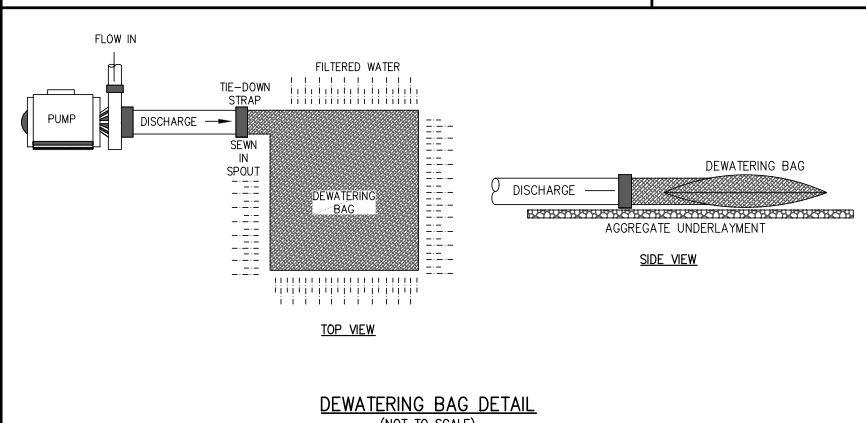
LOCUS MAP
SCALE: 1"=1,000'



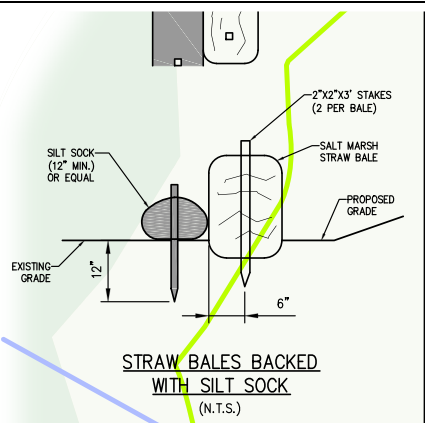
DEWATERING BAG DETAIL
(NOT TO SCALE)



SILT SOCK DETAIL
(NOT TO SCALE)



DEWATERING BAG DETAIL
(NOT TO SCALE)



STRAW BALES BACKED WITH SILT SOCK (N.T.S.)

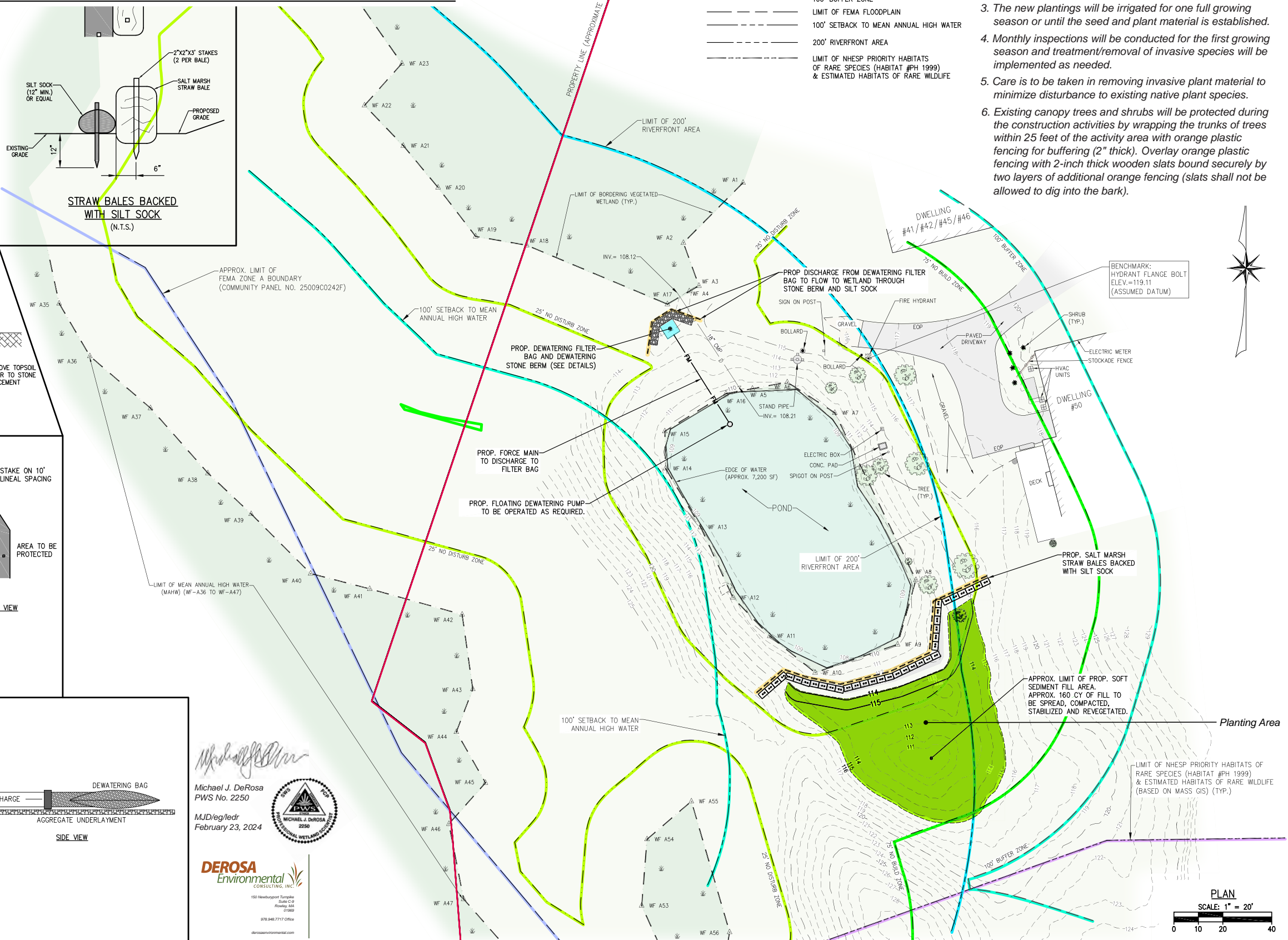
LEGEND:

- 10'- EXISTING MAJOR CONTOURS
- 11'- EXISTING MINOR CONTOURS
- 11'- PROPOSED CONTOURS
- WETLAND FLAG
- △ WF A1 LIMIT OF BORDERING VEGETATED WETLAND
- 25' NO DISTURB ZONE
- 75' NO BUILD ZONE
- 100' BUFFER ZONE
- 100' SETBACK TO MEAN FLOODPLAIN
- 100' SETBACK TO MEAN ANNUAL HIGH WATER
- 200' RIVERFRONT AREA
- LIMIT OF NHESP PRIORITY HABITATS OF RARE SPECIES (HABITAT #PH 1999) & ESTIMATED HABITATS OF RARE WILDLIFE

Figure 2c. Planting Plan

50 Four Mile Village | Boxford, MA

- Planting Notes:**
- Disturbed soils will be planted with our custom upland seed mix.
 - The entire planted area is to be covered with salt marsh hay to retain soil moisture and protect against seed predation by birds and small mammals.
 - The new plantings will be irrigated for one full growing season or until the seed and plant material is established.
 - Monthly inspections will be conducted for the first growing season and treatment/removal of invasive species will be implemented as needed.
 - Care is to be taken in removing invasive plant material to minimize disturbance to existing native plant species.
 - Existing canopy trees and shrubs will be protected during the construction activities by wrapping the trunks of trees within 25 feet of the activity area with orange plastic fencing for buffering (2" thick). Overlay orange plastic fencing with 2-inch thick wooden slats secured by two layers of additional orange fencing (slats shall not be allowed to dig into the bark).



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 66 ELM STREET, DANVERS, MASSACHUSETTS 01923
 P. 978-777-8886, W. WWW.MORINCAMERON.COM

SURVEY BY: MCG
 DRAFTED BY: DTS
 CHECKED BY: WAS
 APPROVED BY: WAS
 SCALE: AS NOTED
 DATE: FEBRUARY 22, 2024

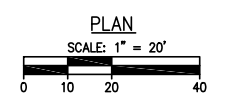
NO.	REVISIONS	DESCRIPTION	DATE

SITE DEVELOPMENT PLAN
 IN
BOXFORD, MASSACHUSETTS
50 FOUR MILE VILLAGE
 (ASSESSOR'S MAP 19, BLOCK 2, LOT 18)
 PREPARED FOR:
FOUR MILE VILLAGE

SDP
 DRAWING NO. **1 OF 1**

Michael J. DeRosa
 PWS No. 2250
 MJD/eg/ldr
 February 23, 2024

DEROSA Environmental CONSULTING, INC.
 150 Newburyport Turnpike, Suite C-10
 Rowley, MA 01969
 978-948-7717 Office
 derosaeenvironmental.com



PLAN
SCALE: 1" = 20'

Notice of Intent

50 Four Mile Village | Boxford, MA



Figure 3. Aerial Photograph

MassMapper 2021 Aerial Imagery



Notice of Intent

50 Four Mile Village | Boxford, MA



Figure 4.
Wetlands Map

DEP Wetlands Detailed

- Barrier Beach System
- Barrier Beach-Deep Marsh
- Barrier Beach-Wooded Swamp Mixed Trees
- Barrier Beach-Coastal Beach
- Barrier Beach-Coastal Dune
- Barrier Beach-Marsh
- Barrier Beach-Salt Marsh
- Barrier Beach-Shrub Swamp
- Barrier Beach-Wooded Swamp Coniferous
- Barrier Beach-Wooded Swamp Deciduous
- Bog
- Coastal Bank Bluff or Sea Cliff
- Coastal Beach
- Coastal Dune
- Cranberry Bog
- Deep Marsh
- Barrier Beach-Open Water
- Open Water
- Rocky Intertidal Shore
- Salt Marsh
- Shallow Marsh Meadow or Fen
- Shrub Swamp
- Tidal Flat
- Wooded Swamp Coniferous
- Wooded Swamp Deciduous
- Wooded Swamp Mixed Trees

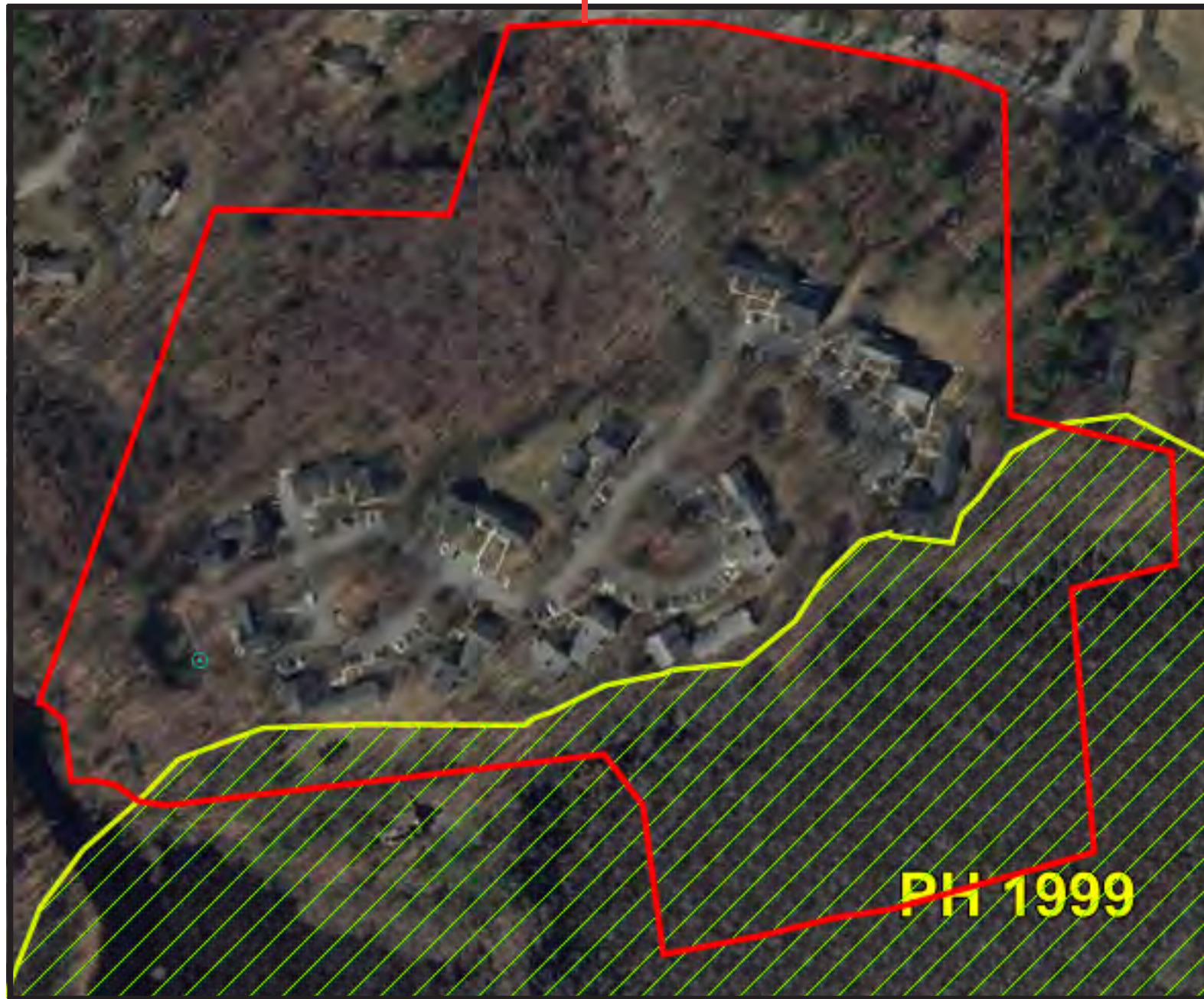


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978 948-7717 Office

Notice of Intent

50 Four Mile Village | Boxford, MA

Figure 5.
NHESP Map



Notice of Intent

50 Four Mile Village | Boxford, MA

National Flood Hazard Layer FIRMette



Figure 6. FIRMette Map

71°0'42"W 42°41'20"N



0 250 500 1,000 1,500 2,000 Feet 1:6,000

71°0'5"W 42°40'53"N

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS	Without Base Flood Elevation (BFE) Zone A, V, A99
	With BFE or Depth Zone AE, AO, AH, VE, AR
	Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD	0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
	Future Conditions 1% Annual Chance Flood Hazard Zone X
	Area with Reduced Flood Risk due to Levee. See Notes. Zone X
	Area with Flood Risk due to Levee Zone D
OTHER AREAS	NO SCREEN Area of Minimal Flood Hazard Zone X
	Effective LOMRs
	Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES	Channel, Culvert, or Storm Sewer
	Levee, Dike, or Floodwall
CROSS SECTIONS	29.2 17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
	Coastal Transect
	Base Flood Elevation Line (BFE)
	Limit of Study
	Jurisdiction Boundary
OTHER FEATURES	Coastal Transect Baseline
	Profile Baseline
	Hydrographic Feature
MAP PANELS	Digital Data Available
	No Digital Data Available
	Unmapped
	The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 1/29/2024 at 1:57 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Appendix A

Abutter List

Notification to Abutters

19-2-18, FOUR MILE VILLAGE, BOXFORD MA ABUTTERS LIST
 CONSERVATION COMMITTEE 250' AND PONDS

Parcel ID	Location	Owner	Owner 2	Owner Address	Owner City/Town	Owner State	Zip Code
19-02-15-1	8 FIELDSTONE WAY	NETLAND GREGORY A TE	HOLLIDAY KIMBERLY A	8 FIELDSTONE WAY	BOXFORD	MA	01921
19-02-15-10	50 FOUR MILE VILLAGE	BOXFORD FRIENDSHIP	FOUNDATION INC	50 FOUR MILE VILLAGE	BOXFORD	MA	01921
19-02-15-2	10 FIELDSTONE WAY	BARA MAKI N TR	2017 MAKI N. BARA FAMILY TRUST	10 FIELDSTONE WAY	BOXFORD	MA	01921
19-02-16	240 IPSWICH RD	SAWYER JR CHARLES	HOYT CHERYL L	240 IPSWICH RD	BOXFORD	MA	01921
19-02-18	50 FOUR MILE VILLAGE	BOXFORD FRIENDSHIP FOUNDATION		50 FOUR MILE VILLAGE	BOXFORD	MA	01921
19-02-18-E	50 FOUR MILE VILLAGE	BOXFORD FRIENDSHIP FOUND		50 FOUR MILE VILLAGE	BOXFORD	MA	01921
19-02-19	218 IPSWICH RD	ANNUNZIATO DAVID JT	ANNUNZIATO DIANE	P O BOX 101	BOXFORD	MA	01921
19-02-20	IPSWICH RD	BTA/BOLT INC		P O BOX 95	BOXFORD	MA	01921
19-02-22	210 IPSWICH RD	DURKOVIC JAKOV	DURKOVIC JELENA	210 IPSWICH RD	BOXFORD	MA	01921
19-02-23	216 IPSWICH RD	APOSTOLOPOULOS CHARLES TE	APOSTOLOPOULOS MARIA E	216 IPSWICH RD	BOXFORD	MA	01921
19-03-02	227 IPSWICH RD	COVINO MAURICE M TE	COVINO DONNA R	227 IPSWICH RD	BOXFORD	MA	01921
19-03-03	229 IPSWICH RD	PALMER DANIEL	PALMER HANNAH	229 IPSWICH RD	BOXFORD	MA	01921
19-03-36	219A IPSWICH RD	CHAN-JACKSON SZE YUEN		219A IPSWICH RD	BOXFORD	MA	01921
19-03-37	219C IPSWICH RD	FLATHER CHARLES		219C IPSWICH RD	BOXFORD	MA	01921
19-03-38	219B IPSWICH RD	PENAFIEL RICK	PENAFIEL ELLEN	219B IPSWICH RD	BOXFORD	MA	01921
19-03-04	233 IPSWICH RD	JEWETT DONNA M TR	JEWETT FAMILY REALTY TRUST	233 IPSWICH RD	BOXFORD	MA	01921
19-03-05	239 IPSWICH RD	BARNES JAMES H TE	BARNES BARBARA G	239 IPSWICH RD	BOXFORD	MA	01921
24-04-34	37 BATCHELDER RD	SPIRO GREGG	SPIRO JANE B	37 BATCHELDER RD	BOXFORD	MA	01921
24-04-35	43B BATCHELDER RD	GATTI CHRISTOPHER W	BARTZ MELISSA A	43B BATCHELDER RD	BOXFORD	MA	01921
24-04-36	43A BATCHELDER RD	YEATON ROBERT P TE	JOLINE M YEATON	43 A BATCHELDER ROAD	BOXFORD	MA	01921
24-04-37	45 BATCHELDER RD	STERNER ROBERT	STERNER PATRICIA A	45 BATCHELDER RD	BOXFORD	MA	01921
24-04-09-39	48 HIGH RIDGE RD	PERI LAXMI & MANI TR	PERI FAMILY TRUST	48 HIGH RIDGE RD	BOXFORD	MA	01921
24-04-09-40	44 HIGH RIDGE RD	KINNEY KATHRYN S TR	KINNEY RAYMOND J JR TR	44 HIGH RIDGE RD	BOXFORD	MA	01921

CERTIFIED COPY 1/29/2024

Stacey Fournier

Notification to Abutters Under the Massachusetts Wetlands Protection Act

In accordance with the second paragraph of Massachusetts General Laws Chapter 131 section 40, you are hereby notified of the following:

A. The name of the applicant is: Boxford Friendship Foundation.

B. The applicant has filed a:

Notice of Intent: X

Abbreviated Notice of Intent: _____

Request for Amendment: _____

Request for Determination of Applicability: _____

Abbreviated Notice of Resource Area Delineation: _____

with the Conservation Commission for the Town of Boxford seeking permission to remove, fill, dredge or alter an area subject to protection under the Wetlands Protection Act (G.L. Chapter 131 section 40) or confirm a wetland delineation.

C. The address of the lot where the activity is proposed is 50 Four Mile Village, Map 19-2, Lot 18.

(Address; Map and Lot)

D. The work proposed is: Proposed maintenance to an existing fire pond.

E. Copies of the application may be examined at Boxford Town Hall between the hours of:

8:30am to 2pm, Monday through Thursday

For more information, call the Boxford Conservation Commission: (978) 887-6000 ext.181
or (978) 948- 7717

Check One: This is the applicant ____, applicant's representative X, or other ____
(specify): DeRosa Environmental Consulting, Inc.

F. Copies of the application may be obtained from either the applicant ____, or the applicant's representative X, by calling between the hours of and on the following days of the week: 9-5, M-F

G. Information regarding the date, time, and place of the public hearing may be obtained from either the applicant, or the applicant's representative, or by calling the Conservation Commission between the hours listed above.

Note: Notice of the public hearing, including date, time, and place, will be published at least five business days in advance in the Tri-Town Transcript.

Note: Contact your local Conservation Commission or the nearest Department of Environmental Protection Regional Office for more information about this application or the Wetlands Protection Act. To contact the Conservation Commission call (978) 887-6000 ext.181.

To contact DEP,

Call (978) 694-3200 or write to DEP Northeast Region, 150 Presidential Way, Woburn, MA 01801

Appendix B

Professional Qualifications

Evin Guvendiren

Michael DeRosa



Evin Guvendiren, BS

Project Manager

Evin graduated from the University of Massachusetts Amherst with a Bachelor of Science in Natural Resource Economics and minors in Environmental Science, Economics, and Natural Resource Conservation. Her studies focused on sustainability, econometrics, land conservation, environmental policy and natural resource management.

Evin joined DeRosa Environmental Consulting in the Summer of 2017 and is currently holding the position as Environmental Scientist.

During her bachelor's studies, Evin spent a semester abroad with the School for Field Studies in Costa Rica. There, she lived on a sustainable farm and implemented an integrated pest management system. Her classes consisted of field experience and course work on sustainable development, tropical ecology, and resource management in a developing country. She also participated in environmental stewardship and spent one month conducting a Socio-economic directed research project with a national park.

Evin also spent a semester researching the Colony Collapse Disorder as an independent study. She helped a professor with a grant from the USDA to determine consumers' willingness to pay for native bee pollination on cranberries. This research was funded to help find an alternative to commercial honeybee pollination to support the agriculture industry and economy.

Having grown up near beaches and ocean, marshes, rivers, vernal pools, and national parks, Evin has a strong love and passion for the environment. She spends most of her time outdoors and camps, hikes and kayaks whenever she can.

EDUCATION

BS, Natural Resource Economics | 2014
University of Massachusetts, Amherst, MA

PROFESSIONAL EXPERIENCE

Environmental Scientist | 2017 – Present

DeRosa Environmental Consulting Inc

Student Researcher | January – May 2014

University of Massachusetts Amherst-Resource Economics department

Student Researcher | January – May 2013

The SFS Center for Sustainable Development Studies, Atenas, Costa Rica

REPRESENTATIVE PROJECTS

Private Residence | Dune Grass Restoration
Manchester, MA

Private Residence | Dune Grass Restoration
Ipswich, MA

Commercial Property | Wetland Restoration
Rowley, MA

Private Residence | Reconstruction of a Single Family Home
Ipswich, MA

Invasive Plant Management | Restoration Project
Ipswich, MA

Sally's Meadow | Butterfly Meadow Restoration
Ipswich, MA

Town Wide Beach and Road Management Plans
Manchester, MA

Wetland Restoration | MassDEP ACOP
Rockport, MA

Wetland Restoration | MassDEP ACOP
Essex, MA

CERTIFICATION

40 Hour Hazardous Waste Site Worker (OSHA)

Adult and Pediatric First Aid/CPR/AED



Michael J. DeRosa

Principal, LSP, LEED AP BC&D

Michael J. DeRosa, Principal and project manager specializing in habitat restoration and wetland restoration projects. He has more than 24 years experience working with ecological systems focused on restoration and rehabilitation of damaged landscapes. Ecological principles inform his design and restoration practices.

Mike was the principal wetland permitting leader for the Turner Hill Resort Center in Ipswich Massachusetts. He has consulted with the Archdiocese of Boston since 1989 in all environmental areas. His firm is known for their expertise in wetland and wildlife habitat restoration and rehabilitation and invasive species control and management.

Mike incorporated DeRosa Environmental Consulting, Inc., in May 1994 after spending 8 years working in the environmental consulting industry as technical director and project manager. Prior to his consulting career he was a researcher at the Harvard School of Tropical Public Health working with infectious diseases and tick transmitted Lyme disease, in particular.

Mike has been involved with many projects associated with MGL Ch. 21e and Massachusetts Contingency Plan (MCP) projects. He received his Licensed Site Professional (LSP Lic. 3452) registration in 1993. Mike is uniquely credentialed in hazardous waste site assessment and remediation and has over 24 years experience in wetland permitting, habitat restoration and mitigation. Mike has permitted projects with all federal, state and local environmental agencies. Mike is on the Practice Faculty at The Boston Architectural College. His new passion is the incorporation of urban agriculture and food justice initiatives in mixed use community based projects.

EDUCATION

MA, Boston University, 1993

North Carolina State University, 1986

Harvard University, 1985

BA, University of Denver, 1982

REPRESENTATIVE PROJECTS

Ipswich River Watershed Association
Ipswich MA

**Miles River Task Force |
Watershed Restoration**
Beverly Wenham Hamilton Ipswich MA

**Paumier Residence |
Dune Restoration**
Manchester MA

**Matignon High School Athletic Fields |
Landfill Cap Remediation**
Cambridge/Somerville MA

**Turner Hill Golf Course |
Wetland Mitigation & Pond Design**
Ipswich MA

**Saint Aidan's Church |
UST Remediation**
Brookline MA

**Saint Kevin's School |
AST Remediation**
Dorchester MA

**Saint Joseph's School |
UST Remediation**
Salem MA

**Ipswich Country Club |
Wetland Restoration**
Ipswich MA

**Ould Newbury Golf Club |
LID Runoff Design**
Newbury MA

**Ferncroft Country Club |
Pond Restoration**
Topsfield/Middleton MA

PROFESSIONAL EXPERIENCES

Principal, LSP, LEED AP BC&D

DeRosa Environmental Consulting, Inc. | 1994-Present
Technical director, Environmental Engineering Division

Web Engineering Associates, Inc. | 1990-1994

Project manager/Environmental Scientist,
Dennison Environmental, Inc. | 1988-1989

Population Ecologist & Wetlands Specialist,
Lelito Environmental Consultants, LLC | 1987-1988

Research Assistant,
North Carolina State University | 1985-1987

Air Pollution Analyst
Entropy Environmentalists, Inc. | 1985-1987

Senior Research Assistant
Harvard University | 1983-1985

Naturalist
The Trustees of Reservations | 1983-1985

PROFESSIONAL MEMBERSHIPS/AFFILIATIONS

New England Wildflower Society

USGBC | United States Green Building Council

NGWA | National Ground Water Association

AMWS | Association of Massachusetts Wetland Scientists

LSPA | Licensed Site Professional Association

SWS | Society of Wetland Scientists

MACC | Massachusetts Association of Conversation Commissioners

CERTIFICATIONS AND SPECIAL TRAINING

Licensed Site Professional (LSP), Lic. No. 3452

Professional Wetland Scientist (PWS)

LEED Accredited Professional | 10342989

Certified Ecologist, The Ecological Society of America |
June 2002 – May 2007

CERCLA 40 Hour Hazardous Materials Safety Training |
OSHA 29 CFR 1910.120

Confined Space Entry Training | OSHA 29 CFR 1910.146

Management Training Workshop | Dun and Bradstreet

Hazardous Materials Chemistry Seminar | University of Toledo

Unmanned Aircraft License | FAA | Exp. 2/28/2019