

TOWN OF ESSEX
LAND USE APPLICATION
PART ONE

PLEASE CHECK THE APPROPRIATE LINE(S) AND ATTACH THE APPROPRIATE APPLICATION(S):

SPECIAL EXCEPTION	___	VARIANCE/ APPEAL	___
SITE PLAN REVIEW	___	APPROVAL OF LOCATION	___
INLAND WETLANDS PERMIT	<input checked="" type="checkbox"/>	REGULATION TEXT AMENDMENT	___
INLAND WETLANDS PERMIT - AGENT APPROVAL	___	ZONE CHANGE	___
	___	COASTAL SITE PLAN REVIEW	___
WETLAND PERMIT TRANSFER	___	MODIFICATION OF PRIOR APPROVAL	___
SUBDIVISION / RESUBDIVISION	___	SPECIAL FLOOD HAZARD AREA PERMIT	___

RECEIVED
APR 20 2022

BY:

PROJECT DESCRIPTION:

See Attached

STREET ADDRESS OF PROPERTY 6 main street, Centerbrook, CT 06409

ASSESSOR'S MAP 33 LOT _____ LOT SIZE _____ DISTRICT HG-1

APPLICANT Macbeth Ventures LLC c/o HT Partners LLC
EMAIL: _____ PHONE 860-662-4197

APPLICANT'S AGENT (if any) Peter Decker c/o HT Partners LLC
EMAIL: peter.decker@htptrs.com PHONE 860-662-4197

ENGINEER.SURVEYOR/ARCHITECT New England Environmental Services
EMAIL: richsnarski@gmail.com PHONE 860-918-1970

Note:

- 1) TO BE ACCEPTED BY THE LAND USE OFFICE. THIS APPLICATION MUST BE COMPLETED, SIGNED, AND SUBMITTED WITH THE REQUIRED FEE(S) AND MAP(S) PREPARED IN ACCORDANCE WITH THE APPLICABLE REGULATIONS.
- 2) THE SUBMITTAL OF THIS APPLICATION CONSTITUTES THE PROPERTY OWNER'S PERMISSION FOR THE COMMISSION OR ITS STAFF TO ENTER THE PROPERTY FOR THE PURPOSE OF INSPECTION.
- 3) I HERBY AGREE TO PAY ALL ADDITIONAL FEES AND/OR ADDRESS SUCH COSTS DEEMED NECESSARY BY THE LAND USE OFFICE AS DESCRIBED IN PART THREE OF THIS APPLICATION.

Town of Essex
Inland Wetlands and Watercourses Commission

Revised 9/1/2021

Fee: \$70 to Essex + \$60 to State = \$130

Application # 22-06 Date received by Office 4/20/22 Fee \$130.00

Owner of Record Macbeth Ventures LLC

Home Address 6 main street, Centerbrook, CT 06409

Mailing Address: C/O HT Partners LLC, 6 main st., Unit # 312 Centerbrook, CT 06409

Phone: Home/Cell 860-575-5291 Work: 860-662-4197

Applicant's Name: Peter J. Decker

Home Address 12 Birch Mill Trail, Essex, CT, 06426

Mailing Address: C/O HT Partners LLC, 6 main st., Unit #312, Centerbrook, CT 06409

Phone: Home/Cell 860-662-4197 Work: _____

Applicant's interest in the land if the applicant is not the property owner Vice President Macbeth Ventures LLC & Property Manager

Location of Property by Street & Village Address: 6 Main St., Centerbrook, CT 06409

State the names of all property owners adjacent to the subject property:

Name of Adjacent Property Owner	Street Address (include Mailing Address if Different)

For large properties, please attach another sheet if necessary.

Check applicable activities occurring in or within 100 feet of wetlands and/or watercourses:

- | | | | |
|-----------------------------------|----------|------------------------|-------|
| Construction of a structure(s) | _____ | Discharge | _____ |
| Other site development work | _____ | Pond creation/dredging | _____ |
| Deposition or removal of material | <u>X</u> | Tree removal | _____ |
| Stream altering/channelization | _____ | Dam maintenance | _____ |
| Subdivision/Resubdivision | _____ | Other | _____ |

Nature of Request : Explain in detail the extent of any activity checked above, the type of material, and the equipment to be used to complete project. (Use additional sheets if necessary.)

see Attached

Estimated time for completion: 90 to 120 day's

Explain what alternatives have been considered in connection with this application to avoid altering inland wetlands and/or watercourses?

see attached

ACTIVITY LOCATION (Map with sufficient detail must be submitted as a part of the application)

Approximate number of acres of wetlands (or portion thereof) on the property: ~2.3 acres - CD

Approximate area of inland wetlands to be altered: 5,560 sq ft

If known, are vernal pools or tidal wetlands located on the property? No

If yes, where and how many acres (or portion thereof) on the property? _____

Is property located within a Special Flood Hazard Area? No

Is any portion of the property within the channel encroachment line? No

Has the property been flagged by a licensed soil scientist Yes

If yes, by who, and when? _____

Will there be water discharge into wetlands? No

Discharge - Specify Type _____

ADDITIONAL INFORMATION MAY BE REQUIRED DEPENDING UPON THE COMPLEXITY OF THE PROJECT.

CERTIFICATION:

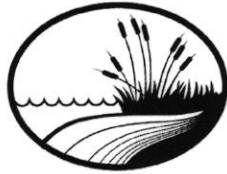
The applicant understands that this application is to be considered complete only when all information and documents required by the Commission have been submitted. The undersigned warrants the truth of all statements contained herein and in all supporting documents according to the best of his/her knowledge and belief. Permission is granted to the Town of Essex Inland Wetlands and Watercourses Commission and its agent(s) to walk the land, at reasonable times, and perform those tests necessary to property review the application, both before and after a final decision has been issued.

Applicant's Signature [Signature] Date 4/20/2022

Owner's Signature _____ Date _____

Commission Action Approved Denied Date

Agent Action Approved Denied Date



NEW ENGLAND ENVIRONMENTAL SERVICES

Wetland Consulting Specialists Since 1983

MacBeth Ventures LLC

6 Main Street
Centerbrook, Connecticut

Wetland Dredging and Planting Details

1. The proposal is to dredge in the sediment portion of the wetland at MacBeth Ventures LLC which is located at 6 Main Street in Centerbrook, Connecticut.
2. The area proposed to be dredged is shown on the attached map titled "Proposed Wetland Dredging Area and Planting Plan".
3. Numerous soil borings were conducted by Richard Snarski with a hand auger to a depth of 4 feet. The substrate consisted of a loose organic muck with a stratified layer of a fine to coarse sand.
4. The vegetation in the wetland area proposed to be dredged is dominated by Broad-leaved Cattail which occupies approximately 95 percent of the wetland. Other herbaceous wetland plants in the wetland include Soft Rush, Purple Loosestrife, Reed Canary Grass, and Lurid Sedge. Purple Loosestrife is an exotic invasive plant. Two Pussy Willow and one Silky Dogwood are the only woody plant species in the wetland. The side slope on the south side of the wetland is lined with rip-rap. The north side of the wetland has a 2-foot vertical bank which is eroding.
5. The proposal is to dredge the wetland to a depth of 2.5 to 3.0 feet. The side slope on the north side of the wetland will be 3:1, which will be established by cutting the 2-foot vertical bank back and not by filling over the existing bank into the wetlands. The side slope on the south side of the wetland will be 1.5 to 1. The modified rip-rap will be extended 4 to 5 feet into the dredged wetland.
6. The dredging of the wetland will occur when the brook is not flowing, which will probably be in July or August. An excavator will be used to dredge the wetland. The excavated sediment will be placed in the grass area on the north side of the wetland for dewatering. Sediment fence or staked haybales will be placed on the down gradient side of the spoil pile (see attached plan). One to 2 weeks is expected for spoil materials to dewater. The spoil material will then be trucked to the grassed area on the southwestern section of the property. The spoil material will be spread. Lime will need to be added because organic muck usually becomes acidic once oxygenated. The dredge spoil and the area where the dredge spoil was dewatered will be seeded with a grass mixture containing annual Ryegrass, Perennial Ryegrass, Red Fescue, and Kentucky Bluegrass.

There are no wetlands within 100 feet of the area where the dredge spoil will be spread. The sediment fence which was placed on the downgradient side of the dredge spoil area, along

the wetland boundary, will remain until a healthy stand of grass has become established.

7. The 3:1 side slope on the north side of the wetland will be planted with the following native sedge and rush species which have a deep root system to stabilize the slope. Additional flowering plant species will be planted which have a high pollinator value.

<u>Botanical Name</u>	<u>Common Name</u>	<u>Quantity</u>
<i>Juncus effusus</i>	Soft Rush	100
<i>Scirpus cyperinus</i>	Wool Sedge	100
<i>Iris versicolor</i>	Blue Flag Iris	50
<i>Carex stricta</i>	Tussock Sedge	100
<i>Asclepias incarnata</i>	Swamp Milkweed	50
<i>Asclepias tuberosa</i>	Butterfly Milkweed	50
<i>Coreopsis lanceolata</i>	Lance-leaved Coreopsis	50
<i>Liatris spicata</i>	Marsh Blazing Star	50
<i>Lupinus perennis</i>	Wild Blue Lupine	50

The plants will be 2" plugs. Richard Snarski will determine the exact location of the plants at the time of installation.

8. The following native flowering shrub species will be planted on the side slope, 2-feet in elevation above the ordinary high water elevation:

<u>Botanical Name</u>	<u>Common Name</u>	<u>Quantity</u>	<u>Height</u>
<i>Cornus sericea</i>	Red-Osier Dogwood	6	4'
<i>Ilex verticillata</i>	Winterberry Holly	4	4'
<i>Viburnum trilobum</i>	American Cranberry Bush	5	4'

The plant species are available from New England Wetland Plants, Inc.
Amherst, MA; phone 413-548-8000.

9. Non-seed bearing straw will be placed around the plants after installation.
10. The headwall remediation will be addressed by others.
11. A monitoring report will be sent to the Essex Inland Wetlands and Watercourse Commission in September 2022. The monitoring report will address the survival of the plantings and will make recommendations for any remedial measures needed, if any. Photographs will be included.

Prepared by:



R. Richard Snarski
Professional Wetlands Scientist #1391
Registered Professional Soil Scientist
Consulting Botanist

April 11, 2022

RRS/srh



Northeastern view of wetland proposed to be dredged
April 4, 2022



Western view of wetland proposed to be dredged
April 4, 2022



Northern view of wetland proposed to be dredged
April 4, 2022



