

OCT 26 2021

Fee Paid: _____

INLAND WETLANDS COMMISSION - CHESHIRE, CONNECTICUT

APPLICATION FOR INLAND WETLANDS AND WATERCOURSES PERMIT

Pursuant to the General Statutes of the State of Connecticut, and all subsequent amendments thereto, the undersigned hereby makes application for approval of permit (Inland Wetlands and Watercourses) for a parcel of land having approximately 3.250 wetland acres, which is part of a tract of land having 3.250 acres, located on (street name) NO. BROOKS JA. Said parcel is generally shown on the current Assessor's Map Plate No(s). 77, Lot No(s). 3 and is located in a(n) R-20 zone district.

This permit application is part of a: () Subdivision, () Resubdivision, (✓) Site Plan, () Special Permit, () Zone Change, () Earth Removal, Filling or Regrading, () Other _____

The undersigned warrants the truth of all statements contained herein and in all supporting documents according to the best of his knowledge and belief.

By signing this application, the applicant permits Commissioners and agents of the Commission to enter upon and inspect the property, at reasonable times, both before and after a final decision has been issued.

Applicant's Name JOY VANDERLEK / COALITION FOR A SUSTAINABLE CHESHIRE Date 10 25 2021
(Print of Type)

Applicant's Address (Home) 1100 BROOK LANE

(Office)

Applicant's Signature [Signature]

Telephone Number (Home) 203 623 4027 (Office) N/A

E-mail joyvlek@gmail.com Fax No. N/A

Owner's Name (Print or Type) TOWN OF CHESHIRE

Owner's Address 94 S MAIN ST.

Owner's Signature [Signature]

Engineer's Name (Print or Type) _____

Engineer's Address _____

Engineer's Signature _____

Agent, if other than applicant, to be contacted with regard to this application:

Name _____ Address _____

Telephone Number _____ Fax Number _____

E-mail _____

SEE ATTACHED SHEETS FOR THE INFORMATION NECESSARY TO COMPLETE THIS APPLICATION.

ORIGINAL

APPLICATION FOR INLAND WETLANDS AND WATERCOURSES PERMIT

Purpose and description of the proposed activity (including the area of wetlands or watercourses to be disturbed); alternatives considered and why the proposal to alter wetlands set forth in this application was chosen: TO RESTORE A STREAMSIDE AREA (APPROX. 3000-3500 SQ FT) AROUND THE CULVERT AND STREAM AT THE LOCK 12 PARKING AREA. THE SITE WAS CHOSEN AS IT IS A PERFECT COMPLEMENT TO THE POLLINATOR PATHWAY GARDEN ACROSS THE STREET, AND PRIME AREA TO SHOWCASE FOR NATIVE PLANT EDUCATION AND TOWN'S NATURAL BEAUTY.

Applicant's interest in the land: () Owner, () Tenant, () Lessee, () Partner,

(X) Other COALITION FOR A SUSTAINABLE CHESHIRE

Please attach a list of adjacent property owners.

Check in full payment of minimum application fee – see attached fee schedule - (payable to Collector – Town of Cheshire). An additional fee shall be required if significant wetland activity is determined upon acceptance of the application. The Commission may, at its option, refund this application fee for a non-regulated activity.

NOTE: In order to expedite the review of this application, and avoid unnecessary delay, it is important that the applicant and the land surveyor and/or professional engineer who shall prepare the maps and other plans shall carefully review the Inland Wetlands Regulations to be certain that the plans comply with all requirements contained therein. Applications must be received by the Town Planner's Office by 4 p.m. the Wednesday prior to the next regularly scheduled meeting of the Inland Wetlands Commission in order for the application to be included on the filed agenda and taken up by the Commission for discussion, action or otherwise.

Per Section 7.1E. of the Inland Wetlands and Watercourses Regulations, three copies of all application materials (including maps) shall be submitted with the original application to comprise a complete application or as is otherwise directed, in writing, by the Commission.

OFFICE USE ONLY

Date Filed _____

Date Presented to Inland Wetlands Commission _____

Mandatory Action Date _____

Public Hearing Date _____

Final Action and Date _____



Connecticut Department of
**ENERGY &
ENVIRONMENTAL
PROTECTION**

GIS CODE #:
For DEEP Use Only

79 Elm Street • Hartford, CT 06106-5127

www.ct.gov/deep

Affirmative Action/Equal Opportunity Employer

Statewide Inland Wetlands & Watercourses Activity Reporting Form

Please complete and mail this form in accordance with the instructions on pages 2 and 3 to

DEEP Land & Water Resources Division Inland Wetlands Management Program 79 Elm Street 3rd Floor Hartford CT 06106

Incomplete or incomprehensible forms will be mailed back to the inland wetlands agency

PART I: Must Be Completed By The Inland Wetlands Agency

1. DATE ACTION WAS TAKEN: year _____ month _____
2. ACTION TAKEN (see instructions only use one code): _____
3. WAS A PUBLIC HEARING HELD (check one)? yes ☐ no ☐
4. NAME OF AGENCY OFFICIAL VERIFYING AND COMPLETING THIS FORM:
(print name) _____ (signature) _____

PART II: To Be Completed By The Inland Wetlands Agency Or The Applicant

5. TOWN IN WHICH THE ACTION IS OCCURRING (print name): CHESHIRE
does this project cross municipal boundaries (check one)? yes ☐ no ☒
if yes, list the other town(s) in which the action is occurring (print name(s)) _____
6. LOCATION (see instructions for information) USGS quad name CHESHIRE or number: 65
subregional drainage basin number 5202
7. NAME OF APPLICANT, VIOLATOR OR PETITIONER (print name) JOY VANDERLECK
8. NAME & ADDRESS / LOCATION OF PROJECT SITE (print information): 487 NO BROOKSVILLE RD.
briefly describe the action/project/activity (check and print information) temporary ☐ permanent ☒ description: _____
9. ACTIVITY PURPOSE CODE (see instructions, only use one code) H
10. ACTIVITY TYPE CODE(S) (see instructions for codes): 3 10 12
11. WETLAND / WATERCOURSE AREA ALTERED (must provide acres or linear feet)
wetlands 3,250 SQ FT acres open water body N/A acres stream N/A linear feet
12. UPLAND AREA ALTERED (must provide acres): 3,250 SQ FT acres
13. AREA OF WETLANDS / WATERCOURSES RESTORED, ENHANCED OR CREATED (must provide acres) 3,250 SQ FT acres

DATE RECEIVED:

PART III: To Be Completed By The DEEP

DATE RETURNED TO DEEP:

FORM COMPLETED: YES NO

FORM CORRECTED / COMPLETED: YES NO

Regional

Authority

South Central Connecticut Regional Water Authority
90 Sargent Drive, New Haven, Connecticut 06511-0001 (203) 401-4000
<http://www.scrwa.com>

Revised 05/17/2011

Public Water Supply Watershed/Aquifer
Project Notification Form
For The
South Central Connecticut Regional Water Authority

REQUIREMENT:

All applicants before a municipal Planning and Zoning Commission, Inland Wetlands Commission, or Zoning Board of Appeals for any project located within a public water supply watershed are required by Public Act 89-301 (Sections 8-3i and 22a-42f of the Connecticut General Statutes) to notify the affected public water utility by certified mail within 7 days of the application.

GENERAL INFORMATION:

Maps showing the location of Regional Water Authority (RWA) watershed boundaries are on file with municipal planning and zoning, and inland wetlands staff, and Town Clerks. The applicant's notification to the RWA should include the information requested on pages two and three. The RWA may request additional information if it is determined that a more detailed review is necessary. Any questions should be directed to (203) 401-2741, or (203) 401-2743.

Please mail this completed form and attachments to:

Environmental Analysts
Environmental Planning Department
Regional Water Authority
90 Sargent Drive
New Haven CT 06511

Regional Authority

1. Applicants are requested to submit any information that was included in the application to the municipality including: site plan, project narrative, sediment and erosion control plan and drainage calculations if applicable.

2. Project address 487 NO. BROOKSVALE RD Town CHESHIRE

3. Application for: ☐ Planning and Zoning ☒ Inland Wetlands ☐ Zoning Board of Appeals

4. Project Description: TO RESTORE A STREAMSIDE AREA (APPROX 3-3500 SQ FT) AROUND CULVERT & STREAM AT LOCK 12 parking lot FOR PURPOSE OF NATIVE PLANT INSTALLATION (POLLINATOR PATHWAY)

5. Waste Water Disposal: ☐ Septic System ☐ Public Sewer ☒ None

6. Water Supply: ☐ Private Well ☐ Public Water

7. Heating Fuel: ☐ Oil ☐ Gas Other N/A

Applications involving additions or modifications to single family residences or applications with no site disturbance and no storage or use of hazardous chemicals skip to item 18.

8. Total acreage of project site _____

9. Total acreage of area to be disturbed including structures, additions, paving, and soil disturbance _____

10. Percent of existing impervious surfaces including buildings, roads and pavement _____

11. Proposed increase in impervious surfaces _____

12. Number of existing and proposed floor drains or sump pumps and their point of discharge e.g. sanitary sewer, holding tank, or ground _____

13. Are there any wetlands or watercourses on the property? If so, describe

Parcel has approx 3200 SQ FT WITHIN larger wetland area. There is heavy inundation of invasives, notably vines like bittersweet (no Japanese knotweed).

Regional

Authority

14. Brief description of existing and proposed stormwater management system, including roof drainage, paved areas etc., and discharge points e.g. municipal system, drywells, streams, vegetated areas, detention basins etc. Attach drainage plans and calculations if available

15. List of existing and proposed underground or above-ground storage tanks including age, capacity and contents

16. List of potentially harmful chemicals stored or used on property (existing and proposed) and typical onsite volumes, including but not limited to petroleum products, lubricants, solvents, detergents, and pesticides

17. Describe any wastes generated and their means of disposal

18. Contact Information:

Name: Joy VanderLek

Company: COALITION FOR A SUSTAINABLE CHESHIRE

Address: 160 BROOK LANE
CHESHIRE, CT 06410

Phone: 203 623 4027

Email: JOYVLEK@gmail.com

Joy VanderLek

Name of Person Completing Form

[Signature]

Signature

10 26 2021

Date

Kathy Connolly

Landscape Planning and Design 860-388-0710

Kathy@SpeakingofLandscapes.com

www.SpeakingofLandscapes.com

10/6/2021

Ms. Joy VanderLek

Coalition for a Sustainable Cheshire

Dear Joy,

Thanks for inviting me to meet with you and Karen on Monday, 10/4. You are aiming to restore a streamside area of roughly 3000-3500 square feet around the culvert and stream at the Lock 12 parking lot area. The area is quite a bit larger than the 850 square feet across the street! The square footage estimate is based on 130 x 25, which is only a rough measurement.

Here is a synopsis of our discussion:

1. The major problems or challenges we observed were these:
 - a. Extensive infestation by non-native invasive trees, shrubs, vines, and herbaceous plants.
 - i. Debilitation of existing trees by invasive vines.
 - b. Erosion potential and overall management during plant removal and installation of new material.
 - c. Snow removal in the culvert area

The project should be divided into two discussions:

1. Stream culvert and streamside areas (yellow on the drawing) close to the trail and road.
2. Other wooded areas within the proposed project area.



Culvert and streamside area:

The 10'-wide trail is only 4' from the culvert and the culvert lacks a guardrail. This should be the first consideration for public safety reasons. (It is also a consideration for the safety of volunteers.)

Woody invasive plants, notably porcelain berry and bittersweet, densely cover trees and shrubs in the culvert area. The weeds cover the trees' canopies and weigh on the branches. They are likely to be the primary reason these trees are in decline.

Until the area's understory is cleared, there is little visibility into the actual outline of the stream bed. That makes it difficult to recommend the most effective method of erosion control. However, we discussed the use of coir logs. As pictured below:

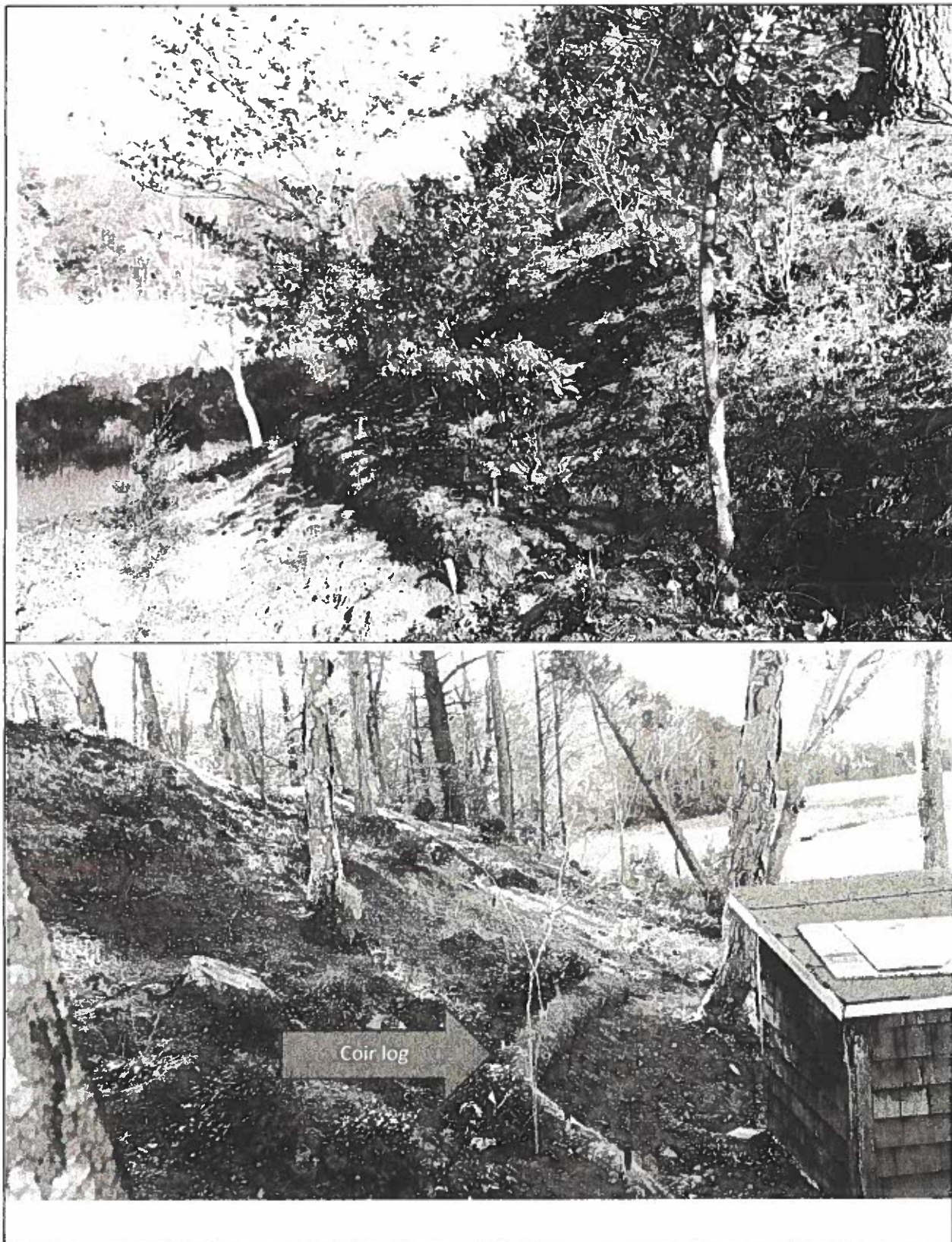


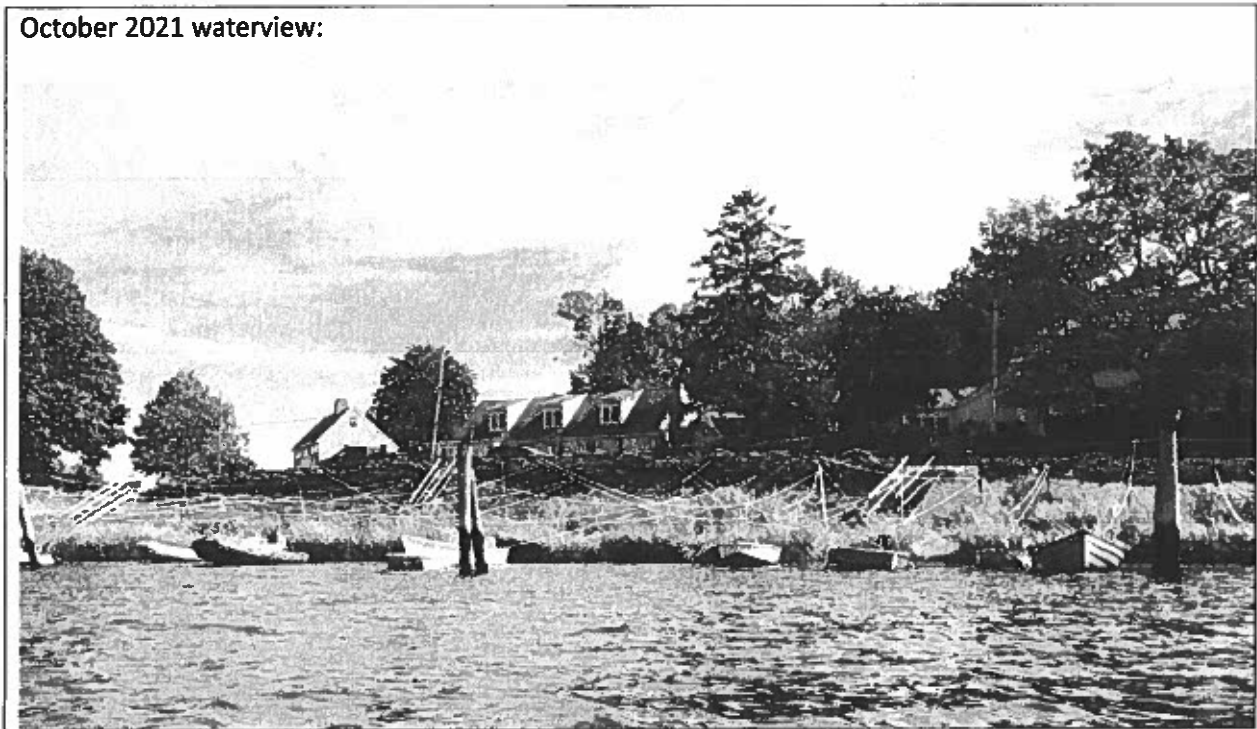
Photo taken at North Cove Road guardrail and Clothes Line Marina, Old Saybrook, 10-9-15:



Photo in same area, September 2021:



October 2021 waterview:



Surrounding wooded areas

The larger area of interest spreads away from the immediate streamside, though activities in this area can affect the stream. The cutting will all occur at least 25' – 50' from the streamside. We discussed two methods of surface removal:

1. Land clearing by cutting at the base. First, the good materials need to be identified and marked. Then, chain saws and brush cutters remove the unwanted plants at the base. These should be chipped and piled for composting, either in the area or at a town site. They could also be chipped and spread on the site. Because the seeds and branches may still be capable of regeneration, these chips should be covered by additional chips, 12" deep, fresh from tree take-downs elsewhere. (There are other sequences that could be used as well.)
2. Land clearing by a forestry mower (e.g. Fecon 'brontosaurus'). Again, the good materials would be identified and marked. The forestry mower shreds unwanted material from the top down, leaving a layer of chips on the soil. As in the previous method, these may still have viable seeds and stems. Again, chips from a tree take-down should be layered over the weedy chips.

Note that neither of these methods includes digging. Selected digging may ultimately be required for intransigent vines.

The smothering period should be one year, at which time the chips can be raked away for use as pathway materials or to smother another weedy area.

Next steps

1. Check out the urban forestry grants at <https://portal.ct.gov/DEEP-Urban-Forestry-Grants>. These are due Nov. 3.
2. Discuss with the town the need for a guardrail above the stream culvert.
3. Discuss the town's capacity for stockpiling invasive plant debris, if they do not allow you to manage the chipped material at the site.

Fence for existing Lock 12 pollinator garden:

We discussed a few approaches to fencing the garden area. The fence or barrier needs to address several issues:

1. Discouraging the public from entering the garden area
2. Stopping the advance of roots from quackgrass and other rhizomatous plants from the lawn to the garden.
3. Stopping lawn mower "throw" of seedheads from grasses.

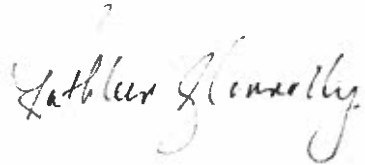
Solutions might include the following:

1. A smaller, matching version of the "Merritt Parkway" wooden barrier that lines the road.
2. A sunken barrier such as the 8" or 12" pound-in edging from Gardener's Supply.
3. A slanted barrier, such as that used at the Meadow Walk in Westbrook, picture below. The barrier is 4' deep, by 135' long, and 12" high.
4. A barrier of landscape lumber, preferably untreated eastern or western redcedar. The lowest rung would be sunken to discourage rhizomes.
5. A flat seating bench attached above a barrier of landscape lumber or other solid vertical barrier.



I trust these thoughts will help advance the project. Please let me know of any questions or concerns.

Regards,

A handwritten signature in cursive script, reading "Kathy Connolly".

Kathy Connolly

Landscape Designer

APPENDIX D

Information Necessary for a Complete Application

- _____ 1. Sheet size shall be limited to a size not greater than 25 inches by 37 inches.
- _____ 2. Maps shall be drawn to scale not smaller than 100 feet to an inch.
- _____ 3. North Arrow.
- _____ 4. Existing and proposed grade contours at 2-foot intervals. All elevations shall be referenced to U.S.G.S. datum and so noted on map.
- _____ 5. Title Block containing: project name, name of owner/applicant, and or developer, date and subsequent date of revisions.
- _____ 6. Signature of person responsible for drawing plan

or

Legible signature of person responsible for drawing plan. Professionals certifying plan shall be appropriate to the nature of activities proposed. Such site information about the proposed uses or effects of the regulated area must be certified by a licensed land surveyor, professional engineer or professional architect. Such professional must be registered in the State of Connecticut.

- _____ 7. Location of any watercourse or inland wetlands covered by the site plan as defined in Section 2 of these regulations and in Section 22a – 42a of the Connecticut General Statutes, as amended.
- _____ 8. Wetland boundary must be certified via signature of a Certified Soil Scientists or other qualified professional.
- _____ 9. Map at a suitable scale showing wetlands and/or watercourses and general topography of adjacent wetlands and/or watercourses within five hundred (500) feet of the site.

Advisory Notice to Applicants:

Applicants are hereby advised that The State of Connecticut Department of Energy and Environmental Protection (DEEP) requires that areas of proposed disturbance of 5 acres or more must apply to the CT DEEP for "General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities". Prior to initiating any development activities it is the Permittee's responsibility to ascertain if they are subject to the general permit requirements.

For further information, please contact

DEEP: https://www.ct.gov/deep/lib/deep/permits_and_licenses/water_discharge_general_permits/storm_construct_gp.pdf

APPENDIX C

This form is to be completed **ONLY** when applicant is **NOT** the owner.

I, _____ hereby acknowledge the application to the Inland
(Name of Owner)

Wetlands Commission of the Town of Cheshire by JOY VANDERLEK COALITION FOR A SUSTAINABLE CHESHIRE

I consent and agree to its being filed with said Commission.

[Signature]
(Signature)

Sworn to before me this 26th day of OCTOBER, 20 21.

[Signature]
(Name typed or printed)

~~Commissioner of the Superior Court~~

Notary Public

My commission Expires: _____

ARNETT T. TALBOT
NOTARY PUBLIC
MY COMMISSION EXPIRES OCT 31, 2022