

Killingly Engineering Associates

Civil Engineering & Surveying



P.O. Box 421 Killingly, CT 06241
Phone: 860-779-7299
www.killinglengineering.com

September 6, 2023

Proposed Residential Development

Brett & Paige Bissonnette
Mason Hill Road
Killingly, CT

APPLICATION PACKAGE CONTENTS – Inland Wetlands

1. Application fee:

\$100.00 (base fee)
\$ 60.00 (State fee)
\$160.00 Total Fee

2. 3- full sized sets of plans & 1- 11 x 17 reduction set– Dated: 9/01/2023
3. Inland Wetlands Application
4. List of adjacent land owners including across the street
5. DEEP Reporting Form
6. Soil Scientist Report
7. Web Soil Survey Map
8. GIS mapping

RECEIVED

SEP 06 2023

PLANNING & ZONING DEPT.
TOWN OF KILLINGLY

Property within 500' of adjoining Town boundary? _____
 If so, which town(s)? _____
 Date the notice was sent by KIWWC to town clerk of adjoining municipality(ies) _____
 Receipt date of copy of Applicants notice to adjoining municipality _____

Application #: 23-1572
 Date Submitted: 9/6/23
 Date of Receipt by Comm.: _____
 Fee: 160 - pd ck - 144 9/6/23
 Staff Initials: SG

KILLINGLY INLAND WETLANDS & WATERCOURSES COMMISSION APPLICATION

A \$100.00 base fee (or, for a proposed subdivision, \$100.00 per lot, whichever is greater) plus \$60.00 state fee must accompany each application **(Total fee: \$160.00)**. **THIS FEE IS NON-REFUNDABLE.** Checks or money orders should be made payable to the Town of Killingly. **Public hearing fee: \$225.00** required in addition to the above fees if a public hearing is required by the commission(s) and not already included.

TO BE COMPLETED BY THE APPLICANT – PLEASE PRINT

Applicant's Name: BRAFF & PAIGR BISSONNETTE
 Day Phone #: 860-336-6163 Evening Phone #: 860-336-6163
 Mailing Address: 450 BALWAY HILL ROAD, KILLINGLY, CT 06241
 Owner of Record: Samuel
 Mailing Address: _____

RECEIVED
 Phone #: _____
 SEP 06 2023

Applicant's interest in the land if the applicant is not the property owner: _____

Authorization of property owner: _____
 PLANNING & ZONING DEPT.
 TOWN OF KILLINGLY

LOCATION OF PROPERTY:

House # and Street: 101 MASON HILL ROAD
 Tax Map Number: 52 Block: _____ Lot: 5.1
 Zoning District: RD Lot Size: 4.59 AC Lot Frontage: 50' ACCESS R.O.W.
 Easements and/or deed restrictions: 50' ACCESS EASEMENT

PURPOSE:

Provide the purpose and description of the proposed activity, including a list of all proposed regulated activities:

CONSTRUCTION OF A SINGLE FAMILY HOME WITH ACTIVITIES IN THE UPLAND REVIEW FOR HOUSE, DRIVEWAY & SEPTIC INSTALLATION

ON-SITE WETLANDS AND WATERCOURSES:

Windham County wetland soil types and areas of each type:

SUTTON FINE SANDY LOAMS & CANTON & CHARLTON SOILS

Watercourse(s) – type (pond, stream, marsh, bog, drainage ditch, etc.), manmade or natural, and area of each:

NO WETLANDS ARE ON THE SUBJECT PROPERTY. ALL REGULATED ACTIVITIES ARE ADJACENT TO WETLANDS ON THE ADJUTING PROPERTY

ALTERNATIVES:

List alternatives considered by the applicant and state why the proposal to alter wetlands as set forth in the application is necessary and was chosen:

NO WETLAND ALTERATION IS PROPOSED

MATERIALS:

Provide the volume (cubic yard) and nature of materials to be deposited and/or extracted:

NO MATERIALS WILL BE DEPOSITED IN THE WETLANDS

MITIGATIVE MEASURES:

List measures to be taken to minimize or avoid any adverse impact on the regulated area:

SILT FENCE

BIOLOGICAL EVALUATION:

Describe the ecological communities and functions of the wetlands or watercourses involved with the application and the effects of the proposed regulated activities on these communities and wetland functions:

NO IMPACTS TO THE WETLANDS ARE ANTICIPATED

SITE PLAN*:

Scale 1"=40' showing existing and proposed conditions in relation to wetlands and water courses to include, but not be limited to:

- Contours
- Buildings
- Wells
- Driveways
- Septic Systems
- Drainage Systems (Including Culverts, Footing and Curtain Drains)
- Erosion and Sedimentation controls
- Wetlands
- Watercourses
- Areas of Excavation and /or Material Deposit

**Refer to Section 6.0 – Application Information Requirements and Section 7.0 – Application Evaluation Criteria of the Killingly Inland Wetlands & Watercourses Commission Regulations for information the Commission may require. Professionally prepared plans (Licensed Land Surveyor/Professional Engineer registered in the State of Connecticut, Soil Scientist) may be required for significant activities.*

ADDITIONAL INFORMATION:

List additional information submitted by the applicant:

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 Killingly, Killingly Inland Wetlands & Watercourses Commission, and its agent (s) to walk the land, at reasonable times, and perform those tests necessary to properly review the application, both before and after a final decision has been issued.

Applicant's Signature: Paige R Bissamette Date: _____

Owner of Record: Paige R Bissamette Date: _____



Statewide Inland Wetlands & Watercourses Activity Reporting Form

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

- DATE ACTION WAS TAKEN: year: _____ month: _____
- ACTION TAKEN (see instructions - one code only): _____
- WAS A PUBLIC HEARING HELD (check one)? yes no
- 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

- TOWN IN WHICH THE ACTIVITY IS OCCURRING (print name): Killingly
does this project cross municipal boundaries (check one)? yes no
if yes, list the other town(s) in which the activity is occurring (print name(s)): _____
- LOCATION (see instructions for information): USGS quad name: East Killingly or number: 44
subregional drainage basin number: _____
- NAME OF APPLICANT, VIOLATOR OR PETITIONER (print name): Brett Bissonette
- NAME & ADDRESS OF ACTIVITY / PROJECT SITE (print information): 101 Mason Hill Road
briefly describe the action/project/activity (check and print information): temporary permanent description: Proposed
Construction of a residential home
- ACTIVITY PURPOSE CODE (see instructions - one code only): A
- ACTIVITY TYPE CODE(S) (see instructions for codes): 1, 2, 12, 14
- WETLAND / WATERCOURSE AREA ALTERED (see instructions for explanation, must provide acres or linear feet):
wetlands: _____ acres open water body: _____ acres stream: _____ linear feet
- UPLAND AREA ALTERED (must provide acres): _____ acres
- AREA OF WETLANDS / WATERCOURSES RESTORED, ENHANCED OR CREATED (must provide acres): _____ acres

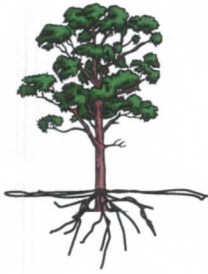
DATE RECEIVED:

PART III: To Be Completed By The DEEP

DATE RETURNED TO DEEP:

FORM COMPLETED: YES NO

FORM CORRECTED / COMPLETED: YES NO



JOSEPH R. THEROUX

~ CERTIFIED FORESTER/ SOIL SCIENTIST ~
PHONE 860-428-7992~ FAX 860-376-6842
426 SHETUCKET TURNPIKE, VOLUNTOWN, CT. 06384
FORESTRY SERVICES ~ ENVIRONMENTAL IMPACT ASSESSMENTS
WETLAND DELINEATIONS AND PERMITTING ~ E&S/SITE MONITORING
WETLAND FUNCTION AND VALUE ASSESSMENTS

8/18/23

KILLINGLY ENGINEERING ASSOCIATES
P.O. Box 421
DAYVILLE, CT. 06241

RE: WETLAND DELINEATION, HITCHEW PROPERTY, 99 MASON HILL RD.
KILLINGLY, CT.

DEAR MR. GLAUDE,

AT YOUR REQUEST I HAVE DELINEATED THE INLAND WETLANDS ON THE SUBJECT PROPERTY.

THESE WETLANDS HAVE BEEN DELINEATED IN ACCORDANCE WITH THE STANDARDS OF THE NATIONAL COOPERATIVE SOIL SURVEY AND THE DEFINITIONS OF WETLANDS AS FOUND IN THE CONNECTICUT STATUTES, CHAPTER 440, SECTIONS 22A-38.

FLUORESCENT PINK FLAGS WITH A CORRESPONDING LOCATION NUMBER DELINEATE THE BOUNDARY BETWEEN THE UPLAND SOILS AND THE INLAND WETLANDS THAT WERE FOUND.

FLAG NUMBERS WF-1 THROUGH WF-43 DELINEATE THE BOUNDARY OF A PALUSTRINE FORESTED WETLAND FOUND IN THE NORTHERN PORTION OF THE PROPERTY IN A LARGE DEPRESSED AREA.

WHEN FULLY INUNDATED THIS AREA SHEET FLOWS DOWNSLOPE TO THE WEST ALONG THE EXISTING GRAVEL DRIVEWAY AND INTO A CULVERT PIPE ADJACENT TO MASON HILL ROAD.

IT SHOULD BE NOTED THAT THIS AREA WAS USED HISTORICALLY AS A DUMP FOR HOUSEHOLD GARBAGE, AS EVIDENCED BY LARGE QUANTITIES OF OLD BOTTLES, CANS ETC.

FLAG NUMBERS WF-1A THROUGH WF-15A DELINEATE A SIMILAR FORESTED WETLAND JUST TO THE SOUTH, ALONG THE EDGE OF THE EXISTING HAY FIELD.

BOTH OF THESE WETLANDS MAY HAVE BEEN CONTIGUOUS AT ONE POINT, BUT DUE TO THE HISTORIC FILLING AND GRADING ACTIVITIES ASSOCIATED WITH THE DUMPING, THEY ARE NOW SEPARATE.

THESE WETLAND SOILS HAVE FORMED FROM THE PROLONGED WETNESS FROM THE SEASONALLY HIGH/PERCHED WATER TABLES AND GROUNDWATER BREAKOUT.

THESE SOILS ARE CHARACTERIZED BY ORGANIC "A" HORIZONS, SHALLOW REDOXIMORPHIC FEATURES AND LOW CHROMA COLORS FOUND WITHIN 20 INCHES OF THE SOIL SURFACE.

IT SHOULD BE NOTED THAT I FOUND A SHALLOW DEPRESSED AREA UPSLOPE TO THE EAST OF THE "A" SERIES WETLAND, WHERE THE PERCHED WATER TABLES ARE TRAPPED AND SEASONALLY INUNDATE FOR SHORT PERIODS OF TIME. THIS SHALLOW INUNDATION IS EVIDENCED BY EXPOSED ROOTS AND WATERMARKS IN THE BASE OF THE TREES AND SHRUBS. ONCE FULLY INUNDATED, (A FEW INCHES IN DEPTH), SURFACE FLOWS SHEET FLOW DOWNSLOPE TO THE WEST INTO THE "A" SERIES WETLAND.

NO HYDRIC SOILS WERE FOUND WITHIN THIS AREA, NOR ANY SHALLOW OXIDIZED RHIZOSPHERES, (PORE LININGS), INDICATING THAT THE AREA REMAINS INUNDATED FOR ANY SIGNIFICANT PERIODS OF TIME.

I INSPECTED THE REMAINDER OF THE PROPERTY AND FOUND NO OTHER INLAND WETLANDS OR WATERCOURSES.

IN CONCLUSION, IF YOU HAVE ANY QUESTIONS CONCERNING THE DELINEATION OR THIS REPORT, PLEASE FEEL FREE TO CONTACT ME.

THANK YOU,

Joseph R. Theroux

JOSEPH R. THEROUX
CERTIFIED SOIL SCIENTIST
MEMBER SSSSNE, NSCSS, SSSA.

Soil Map—State of Connecticut



Soil Map may not be valid at this scale.

Map Scale: 1:4,310 if printed on A landscape (11" x 8.5") sheet.

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 19N WGS84

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL:
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: State of Connecticut
 Survey Area Data: Version 22, Sep 12, 2022

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jun 14, 2022—Jul 1, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

MAP LEGEND

- Area of Interest (AOI)
- Area of Interest (AOI)
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points
- Special Point Features**
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features
- Water Features**
- Streams and Canals
- Transportation**
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads
- Background**
- Aerial Photography

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
3	Ridgebury, Leicester, and Whitman soils, 0 to 8 percent slopes, extremely stony	2.8	3.7%
52C	Sutton fine sandy loam, 2 to 15 percent slopes, extremely stony	8.4	11.0%
60B	Canton and Charlton fine sandy loams, 3 to 8 percent slopes	0.5	0.7%
62C	Canton and Charlton fine sandy loams, 3 to 15 percent slopes, extremely stony	7.5	9.8%
73C	Charlton-Chatfield complex, 0 to 15 percent slopes, very rocky	50.4	65.8%
73E	Charlton-Chatfield complex, 15 to 45 percent slopes, very rocky	2.2	2.9%
75C	Hollis-Chatfield-Rock outcrop complex, 3 to 15 percent slopes	4.7	6.1%
75E	Hollis-Chatfield-Rock outcrop complex, 15 to 45 percent slopes	0.0	0.0%
Totals for Area of Interest		76.6	100.0%

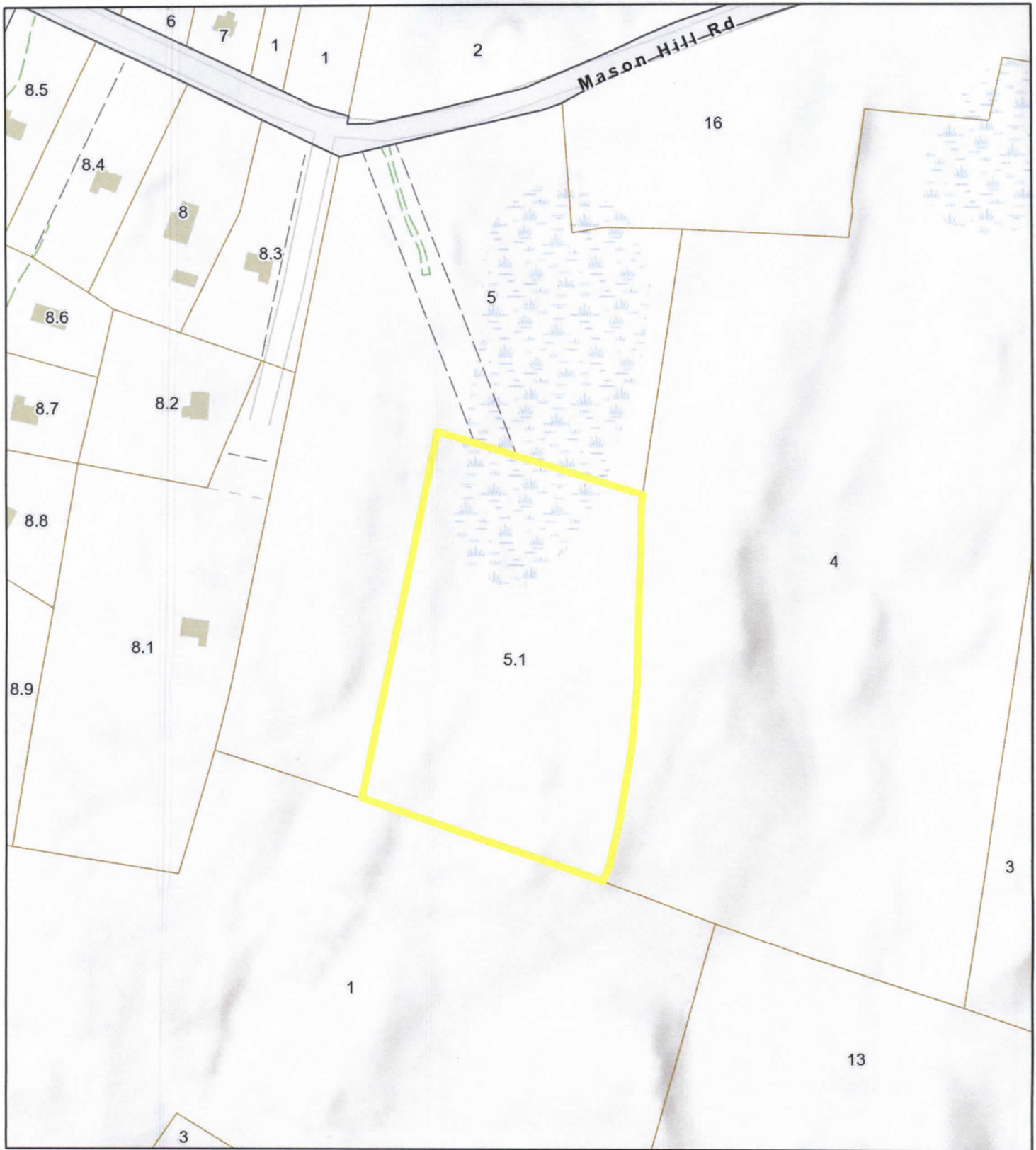


Town of Killingly, CT
 1 inch = 200 Feet



www.cai-tech.com

September 5, 2023



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