

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 #: 20-1512  
Date Submitted: 12/1/2020  
Date of Receipt by Comm.: DEC 7, 20  
Fee: \$160 - Pd (chik0022900)  
Staff Initials: AMA

**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: SEAN O'KEEFE  
Day Phone #: 860-949-9099 Evening Phone #: \_\_\_\_\_  
Mailing Address: 101 GOLOSKI ROAD CHEPACHET, RI 06284  
Owner of Record: PULCINELLA FAMILY REVOCABLE LIVING TRUST  
Mailing Address: 70 SEAVIEW AVE BRANFORD, CT 06405 Phone #: \_\_\_\_\_  
Applicant's interest in the land if the applicant is not the property owner: BUYER

Authorization of property owner: YES

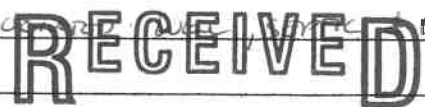
**LOCATION OF PROPERTY:**

House # and Street: 341 BREAKNECK HILL ROAD  
Tax Map Number: 65 Block: — Lot: 7.1  
Zoning District: RD Lot Size: 1.92± AC Lot Frontage: 250.52'  
Easements and/or deed restrictions: NO

**PURPOSE:**

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

PROPOSED SINGLE FAMILY RESIDENCE WITH ASSOCIATED DRIVE  
WITHIN UPLAND REVIEW AREA



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**ON-SITE WETLANDS AND WATERCOURSES:**

Windham County wetland soil types and areas of each type:

SEE ATTACHED

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

SEE ATTACHED

**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:

N/A

**MATERIALS:**

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

N/A

**MITIGATIVE MEASURES:**

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

SEE PLANS

**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:

SEE REPORT

**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:

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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: Sean OKeefe Date: 11-15-19

Owner of Record: Paul & Paula Date: 11-18-19

**LIST OF ADJACENT LAND OWNERS INCLUDING ACROSS THE STREET as of 11/20/2019 GIS**

***Sean O'Keefe***  
***341 Breakneck Hill Road***  
***Killingly, CT***

*Job No. 19114*

MAP/LOT	NAME
053-022-000	NATTRESS WILLIAM J & SARAH T PO BOX 103 KILLINGLY, CT 06241
065-005-000	LABELLE LOUISE C 571 CHESTNUT HILL RD KILLINGLY, CT 06241
065-006-000	LIEBLER ROBERT 260 S WASHINGTON ST PLAINVILLE, CT 06062
065-008-000	RACINE MYLES A PO BOX 383 KILLINGLY, CT 06241
078-003-000	PULCINELLA ANTHONY J & JOSEPHINE A TR 70 SEAVIEW AVE BRANFORD, CT 06405
078-004-000	MURPHY MICHELLE 325 BREAKNECK HILL RD KILLINGLY, CT 06241



## 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, 3<sup>rd</sup> 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, only use one code): \_\_\_\_\_
- 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 ACTION 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 action is occurring (print name(s)): \_\_\_\_\_
- LOCATION (see instructions for information): USGS quad name: EAST KILLINGLY or number: 44  
subregional drainage basin number: 3400
- NAME OF APPLICANT, VIOLATOR OR PETITIONER (print name): SEAN O'KEEFE
- NAME & ADDRESS / LOCATION OF PROJECT SITE (print information): 341 BREAKNECK HILL ROAD  
briefly describe the action/project/activity (check and print information): temporary  permanent  description: SINGLE FAMILY RESIDENCE WITHIN UPLAND REVIEW AREA
- ACTIVITY PURPOSE CODE (see instructions, only use one code): B
- ACTIVITY TYPE CODE(S) (see instructions for codes): 9, 12, 14
- WETLAND / WATERCOURSE AREA ALTERED (must provide acres or linear feet):  
wetlands: 0 acres open water body: 0 acres stream: 0 linear feet
- UPLAND AREA ALTERED (must provide acres): 0.7 acres
- AREA OF WETLANDS / WATERCOURSES RESTORED, ENHANCED OR CREATED (must provide acres): 0 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

P.O. Box 32, Voluntown, CT. 06384

Forestry Services ~ Environmental Impact Assessments  
Wetland Delineations and Permitting ~ E&S/Site Monitoring  
Wetland function and value assessments

9/11/19

Killingly Engineering Associates  
P.O. Box 421  
Dayville, CT. 06241

Re: Wetland delineation, Lot 3-1 Map 65, Breakneck Hill Rd. Killingly, CT.

Dear Mr. Glaude,

At your request I have delineated the inland wetlands and watercourses on/adjacent to the above referenced 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 thru WF-12 delineate a palustrine forested wetland, in which wetland soils have formed from groundwater breakout in a shallow depressed area on the hillside adjacent to Breakneck Hill Rd.

Flag numbers WF-1A thru WF-26A delineate a narrow intermittent watercourse and adjacent wetland soils that have formed from groundwater breakout. These flows enter the roadside swale and terminate at the roadside catch basin.

Flag numbers WF-1B thru WF-10B delineate a similar narrow intermittent watercourse and adjacent wetland soils that have formed from groundwater breakout. These flows also enter the roadside swale and terminate where they infiltrate within the swale.

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These intermittent watercourses meet the definition of a watercourse as they have a defined channel and bank, there is evidence of scour and deposits of recent alluvium and detritus, there was standing and flowing water present for a duration longer than the last storm event, and there is hydrophytic vegetation present in portions of the stream channels.

In conclusion, if you have any questions concerning the delineation or this report, please feel free to contact me.

Thank you,

A handwritten signature in black ink, appearing to read 'J. R. Theroux', written in a cursive style.

Joseph R. Theroux  
Certified Soil Scientist  
Member SSSSNE, NSCSS.

# Killingly Engineering Associates

Civil Engineering & Surveying



Engineering – Surveying – Site Planning  
P.O. Box 421  
Dayville, CT 06241

Telephone (860) 779-3703  
Fax (860) 774-3703

## SEPTIC SYSTEM NITROGEN RENOVATION ANALYSIS

Client: O'Keefe  
Project: Breakneck Hill Road  
Proj. No: 19114

Prepared By: NET  
Checked By:

Date: 11/20/2019  
Date:

# bedrooms	3	(Each bedroom contributes 150 gpd)
nitrogen concentration in raw wastewater	40 mg/l	(Typical household wastewater = 40 mg/l)
pretreatment nitrogen removal	40 %	(Typical removal in septic tank = 40%)
Average daily precipitation	0.015 ft/ft <sup>2</sup>	(CT average precipitation = 0.01 ft/ft <sup>2</sup> /day)
Dilution drainage area	10,428 ft <sup>2</sup>	(Only areas on the subject property should be included in the drainage area)
Average runoff coefficient	0.2	

**Diluted nitrogen concentration** 7.8 mg/l (Drinking water standard is 10 mg/l, max.)

Analysis methodology is taken from "Seepage and Pollutant Revonvation Analysis for Land Treatment Sewage Disposal Systems, CT DEP, Revised 1997"



*Norman Thibault, Jr.*

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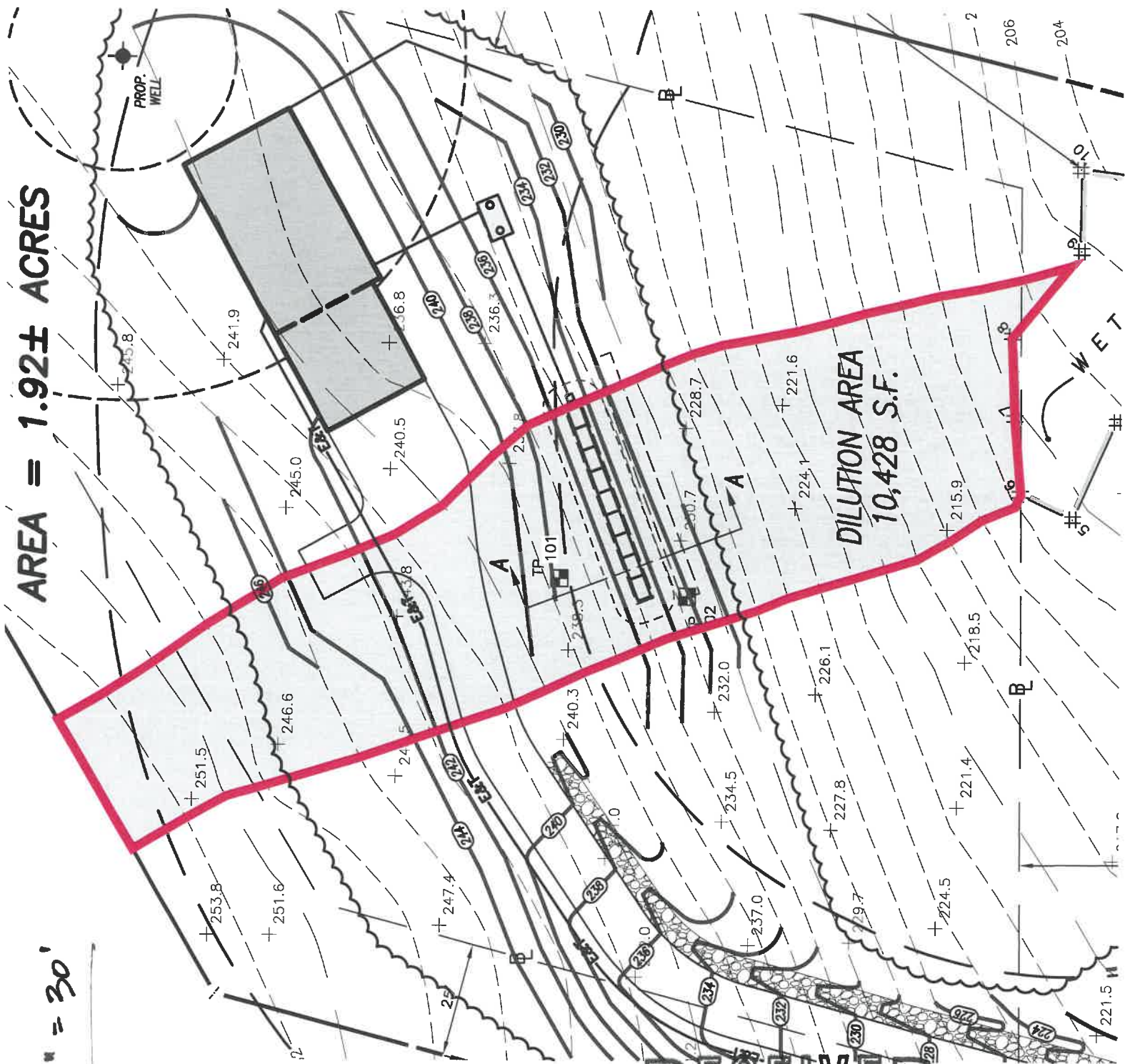
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AREA = 1.92± ACRES

Scale: 1" = 30'



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Soil Map—State of Connecticut



Soil Map may not be valid at this scale.

Map Scale: 1:1,250 if printed on A landscape (11" x 8.5") sheet.

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



Natural Resources  
Conservation Service

Web Soil Survey  
National Cooperative Soil Survey

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TOWN OF KILLINGLY

## MAP LEGEND

-  Area of Interest (AOI)
-  Area of Interest (AOI)
-  Soil Map Unit Polygons
-  Soil Map Unit Lines
-  Soil Map Unit Points
-  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 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 19, Sep 13, 2019

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

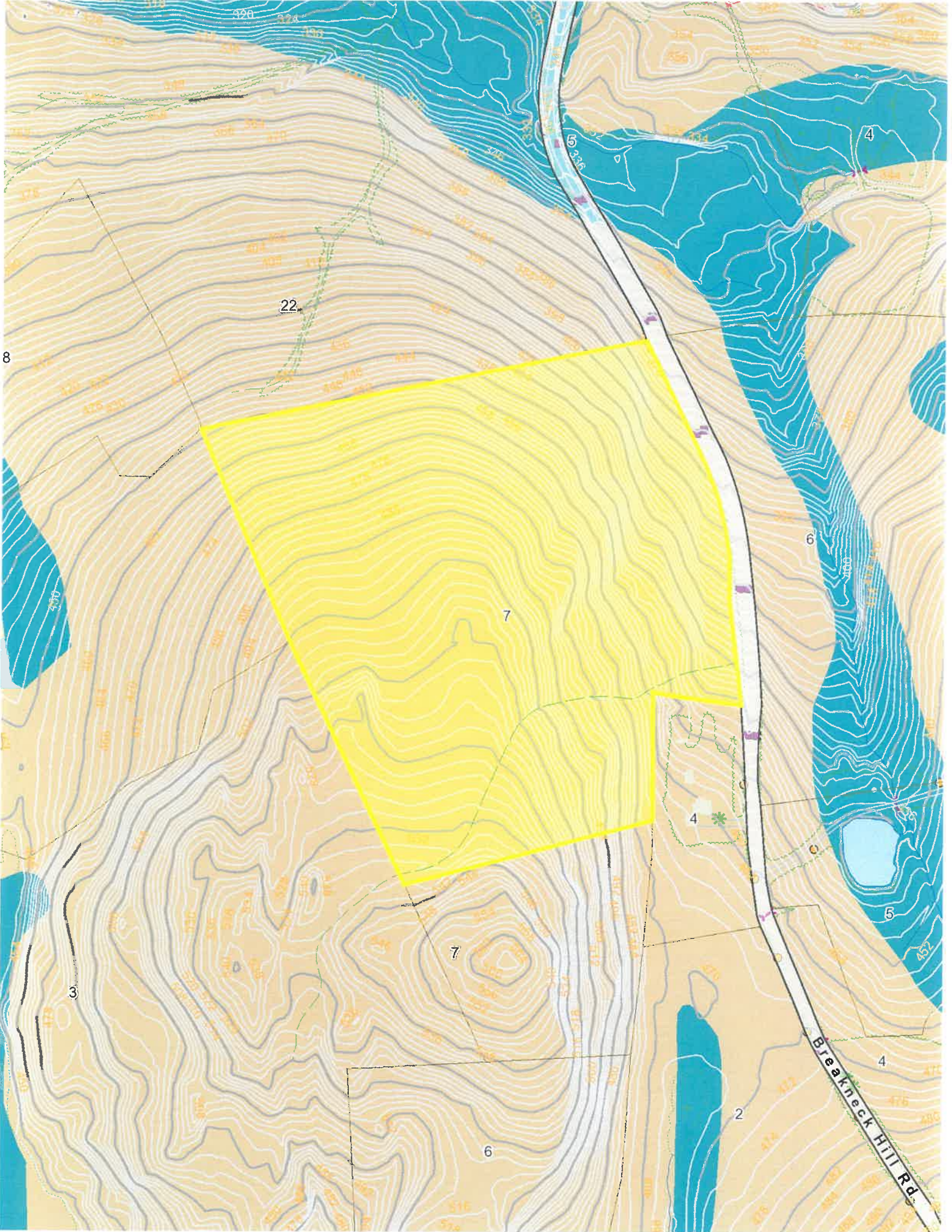
Date(s) aerial images were photographed: Apr 14, 2011—Aug 27, 2016

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 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	2.7	41.9%
38C	Hinckley loamy sand, 3 to 15 percent slopes	0.4	5.7%
52C	Sutton fine sandy loam, 2 to 15 percent slopes, extremely stony	0.7	11.1%
61C	Canton and Charlton fine sandy loams, 8 to 15 percent slopes, very stony	0.1	1.2%
62D	Canton and Charlton fine sandy loams, 15 to 35 percent slopes, extremely stony	2.6	40.1%
<b>Totals for Area of Interest</b>		<b>6.5</b>	<b>100.0%</b>





8

22

7

4

6

4

5

7

6

6

2

4

Breakneck Hill Rd





## NORTHEAST DISTRICT DEPARTMENT OF HEALTH

69 SOUTH MAIN STREET, UNIT 4, BROOKLYN, CT 06234  
860-774-7350/FAX 860-774-1308 WWW.NDDH.ORG

December 10, 2019

Anthonyj. & Josephine A. Pulcinella Revocable Trust  
70 Seaview Avenue  
Branford, CT 06405

**SUBJECT: FILE #20000044 -- BREAKNECK HILL ROAD #341, MAP #65, LOT #7, KILLINGLY, CT**

Dear Anthonyj. & Josephine A. Pulcinella Revocable Trust:

The subject plan (KILLINGLY ENGINEERING ASSOCIATES, PROJ#19114, O'KEEFE, DRAWN 10/22/2019) submitted on 8/20/2019 has been reviewed, as requested. Following completion of this review, it has been determined that the subject plan will meet the requirements of the Technical Standards for a 3 bedroom house based on the following:

1. CT licensed surveyor must stake house, benchmark, and septic system, offset stakes to include flow line or bottom of trench elevation.
2. Permanent benchmark to be set within 50 feet horizontally and 12 feet vertically of septic system.
3. A bottom of excavation inspection is required once the topsoil has been removed.
4. A current sieve analysis of select fill material (within past 30 days) must be submitted to the Northeast District Department of Health (NDDH).
5. Select fill is to be perced once in place.
6. A set of house plans must be submitted prior to an Approval to Construct Permit being issued.
7. Installer to schedule and be present for the final inspection with NDDH staff. Level to be set up for verification of elevations OR an Engineer's As Built will be required.

This letter is NOT to be construed as an APPROVAL TO CONSTRUCT the septic system and DOES NOT indicate that the Northeast District Department of Health endorses approval for issuance of any building permit.

Prior to the start of construction of the septic system, you must apply for your Approval to Construct Permit and submit the applicable fees to this office. A set of the floor plans of your house must be submitted to NDDH for review. Your CT licensed installer must come in to this department to sign for the permit if we do not have his signature on file. Office hours are Mon - Thurs 8 am - 4 pm, Fri 8 am - Noon.

**THE OWNER IS RESPONSIBLE TO SEEK PROPER AUTHORIZATION FROM ALL TOWN AGENCIES PRIOR TO START OF CONSTRUCTION.**

Should you have any questions, please do not hesitate to contact this office.

Sincerely,

Brittany Otto, EHS  
Environmental Health Specialist ~ NDDH

cc: Killingly Building Official; Killingly Engineering Associates; Sean O'Keefe