



**TOWN OF KILLINGLY  
INLAND WETLANDS AND WATERCOURSES COMMISSION**

**Monday, March 1, 2021**

**Regular Meeting  
7:00 PM**

**AGENDA**

Public can view this meeting on Facebook Live.

Go to [www.killinglyct.gov](http://www.killinglyct.gov) and click on Facebook Live at the bottom of the page.

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- I. **CALL TO ORDER**
- II. **ROLL CALL**
- III. **ADOPTION OF MINUTES – (Review/Discussion/Action)**
  - A. January 4, 2021 Regular Meeting Minutes
- IV. **CITIZENS' PARTICIPATION** – Pursuant to Governor's Executive Order 7B, all public comment can be emailed to [publiccomment@killinglyct.gov](mailto:publiccomment@killinglyct.gov) or mailed to Town of Killingly, 172 Main Street, Killingly, CT 06239 on or before the meeting. All public comment received prior to the meeting will be posted on the Town's website [www.killinglyct.gov](http://www.killinglyct.gov).
- V. **Unfinished Business: – (Review/Discussion/Action)**
  - A. **Application 20-1512 of Sean O'Keefe** for a proposed single-family residence; with associated, grading, drainage, utilities within the 200' upland review area; Located at 341 Breakneck Hill Road; GIS Map 65; Lot 7.1; 1.92 acres; Rural Development Zone.
  - B. **Application 21-1516 of Frto Lay Inc** for redevelopment and expansion of the existing gravel lot (Yellin Trailer Parking Lot); with associated, grading, drainage, and utilities within the 200' upland review area; Filling of existing manmade stormwater pond (at 1886 Upper Maple Street) and construction of a new stormwater pond with water quality forebay; Located at 628 Wildwood Way; GIS Map 81; Lot 20; 15.20 acres; Industrial Zone.
  - C. **Application 21-1517 of Nicholas Tavernier** for a attached two car garage with additional living area for existing single family house; with associated, grading and draining within the 200' upland review area; Located at 80 Dam Road; GIS Map 65; Lot 7.1; 1.92 acres; Rural Development Zone.
  - D. **Application 21-1518 of Neil Barnett** for two single family homes (1 per lot) with a shared driveway; with associated, grading, drainage, and utilities within the 200' upland review area; Located at 28 & 30 No Frontage Road; GIS Map 222; Lots 5.1 & 5.2; 15.33 acres; Rural Development Zone.
- VI. **New Business: (listed in order of receipt) – (Review/Discussion/Action)**
  - A. **Application 21-1520 of Sheena Ruggirello** for a 30' x 40' outbuilding (storage) with a concrete patio and 15' x 24' inground pool; within the 200' upland review area; Located at 65 Stone Road; GIS Map 19; Lot 15; 6.2 acres; Five Mile River Overlay District / Rural Development Zone.

**If the application is complete the Commission shall decide if a public hearing and/or site walk should be held on each application and continue further action until next month's meeting. The Commission may also delegate to its duly authorized agent.**

**VII. Correspondence to the Commission**

**VIII. Staff Report**

- A. Open Space Land Acquisition Commission (IWWC Member)**
- B. Authorized Agent Approvals**
- C. Monthly Zoning/Wetlands Report**
- D. Other**

**IX. Town Council Liaison**

**X. Adjournment**

**TOWN OF KILLINGLY**  
**INLAND WETLANDS AND WATERCOURSES COMMISSION (IWWC)**  
Killingly Town Hall  
172 Main Street  
Danielson, CT  
**REGULAR MEETING MINUTES**  
Monday, January 4, 2021

This meeting was held in virtual format with connections via live stream and video conferencing.

I. Call to order: Chairman Sandy Eggers called the meeting to order at 7:00 p.m.

II. Roll Call:

**Members Present:** Chairman Sandy Eggers, Vice Chairman Rod Galton, Deborah Lamiotte, Beth Dubofsky-Porter, Fred Ruhlemann & Secretary Corina Torrey

**Members Absent:** Ronald Dass

**Also Present:** Jonathan Blake, Town Planner/Zoning Enforcement Officer

III. Adoption of Minutes:

a. December 27, 2020 Regular Meeting Minutes:

**MOTION #1 (01.04.21):** made by Vice Chairman Galton **SECONDED BY** Corina Torrey that the Inland Wetlands and Watercourses Commission approve the December 7, 2020 Regular Meeting Minutes - as presented  
**VOICE VOTE: UNANIMOUS; MOTION CARRIED**

IV. Citizens' Participation: NONE

V. Unfinished Business:

A. **Application #20-1511, Richard O'Keefe** for a proposed single-family residence and detached garage; with associated grading, drainage, utilities within the 200' upland review area; Located at 1496 Hartford Pike; GIS Map 99, Lot 1; 6.2 acres; Rural Development Zone.

Deborah Lamiotte entered the meeting at this point.

**TOWN STAFF:** Jonathan Blake indicated the Engineering Department reviewed this application:

Staff Report from the Engineering Department, David Capacchione, and Gary Martin, dated December 21, 2020 containing comments 1 through 3:

1. CDOT Driveway Permit & Details needed
2. Demonstrate no adverse impact to wetlands or proposed development. Activity is in close proximity to both wetlands and 100-year flood elevation
3. Demonstrate adequate site line

Richard O'Keefe was present. NDDH approval has been received,

**APPLICANT / PRESENTATION:** Gregg Glaude, Killingly Engineering Associates, and Mr. Richard O'Keefe were present. Mr. Glaude provided a modified Site Plan based on Town Staff comments and the IWWC site walk. A review of modification is as follows:

- because proposed septic system was in close proximity to vernal pool, a design modification to the system was that it be pushed north and away by 50 feet – now it is not adjacent to vernal pool
- added wetland buffer signs for applicant to install on site in appropriate areas
- NDDH approval for this modified plan has been submitted
- all activities are outside 100 foot flood storm
- house base is 8-9 feet higher than water elevation
- silt-fence to be installed around complete perimeter of property

**IWWC CONCERNS:** IWWC is pleased with the re-design. Specifically, moving septic system further away from existing vernal pool.

**MOTION #2 (01.04.20):** made by Vice Chairman Galton **SECONDED BY** Fred Ruhlemann that the Inland Wetland and Watercourses approve Application #20-1511, Richard O'Keefe, single-family residence, with the following conditions:

1. Any changes to site plan associated to excavation/construction activities must come back to the Commission for approval even if changes are associated to the Department of Transportation
2. Any changes to limits of clearing must come back to Town Staff for approval

**VOICE VOTE: UNANIMOUS;**

**MOTION CARRIED**

- B. Application #20-1512 of Susan O'Keefe** for a proposed single-family residence; with associated grading, drainage, utilities within the 200' upland review area; Located at 341 Breakneck Hill Road; GIS Map 65, Lot 7.1; 1.92 acres; Rural Development Zone.

**TOWN STAFF:** Jonathan Blake indicated the Engineering Department reviewed this application and submitted comments to the applicant.

Staff Report from the Engineering Department, David Capacchione, and Gary Martin, dated December 21, 2020 containing comments 1 through 3 are as follows:

1. Provide pre and post drainage calculations
2. Provide detail level spreader and demonstrate it has adequate capacity for storm quality with adequate freeboard and a connection for emergency overflow to existing drainage system
3. Modify 12" RCP to maximum size 15" RCP
4. Indicate proposed driveway to be paved
5. If bituminous concrete pavement is to be used for roadwork, modify plans to reflect 1.5 inches of Class II over 1.5 inches of binder over 6 inches of process gravel over 12 inches of bank run gravel
6. Demonstrate adequate site line
7. Provide as-built drawings at completion of project in both hard copy and autocad

**APPLICANT/ENGINEER:** Gregg Glaude, indicated he received engineering comments today. He requested additional time to review comments and respond accordingly at the next IWWC meeting.

**MOTION #3 (01.04.20):** made by Vice Chairman Galton **SECONDED BY** Deborah Lamiotte that the Inland Wetland and Watercourses table Application #20-1512, Sean O'Keefe, single-family residence, to the next regularly scheduled meeting

**VOICE VOTE: UNANIMOUS;**

**MOTION CARRIED**

VI. New Business:

VII. Correspondence to the Commission: N/A

VIII. Staff Report:

- a. Application #20-1514 – 74 Island Road, Single Family House, was approved with Conditions on 12/31/2020 by Agent.
- b. Application #20-1515 – 305 Margaret Henry Road, Single Family House, was approved with Conditions on 12/31/2020 by Agent.
- c. Application #20-1508 – 101 Green Hollow Road – Is being reviewed for Agent approval, Staff is waiting for applicant to supply an updated plan per the Town Engineers comments.

IX. Town Council Liaison: N/A

X. Adjournment:

**MOTION #4 (01.04.20):** made by Vice Chairman Galton **SECONDED BY** Deborah Lamiotte that the Inland Wetland and Watercourses Commission adjourn at 7:27 p.m.

**VOICE VOTE: UNANIMOUS;**

**MOTION CARRIED**

Respectfully submitted, *Sherry Pollard,*  
IWWC Recording Secretary

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: 11/12/2020  
 Date of Receipt by Comm.: DEC 7, 20  
 Fee: \$160 - Pd (CHK 002290)  
 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 \$20.00 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 #: 860-999-9099 Evening Phone #: \_\_\_\_\_  
 Mailing Address: 61 GOLOSKI ROAD CHEPACHET RI 04284  
 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 ASS. 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: Arthur J. Paulin Date: 11-18-19

**LIST OF AJACENT 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: 3900
- NAME OF APPLICANT, VIOLATOR OR PETITIONER (print name): SEAN O'KEEFE
- NAME & ADDRESS / LOCATION OF PROJECT SITE (print information): 341 BRADNEX 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

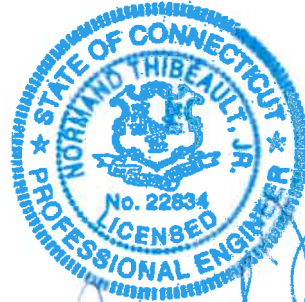
Client: O'Keefe  
Project: Breakneck Hill Road  
Proj. No: 19114

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

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



*Norman Thibault, Jr.*

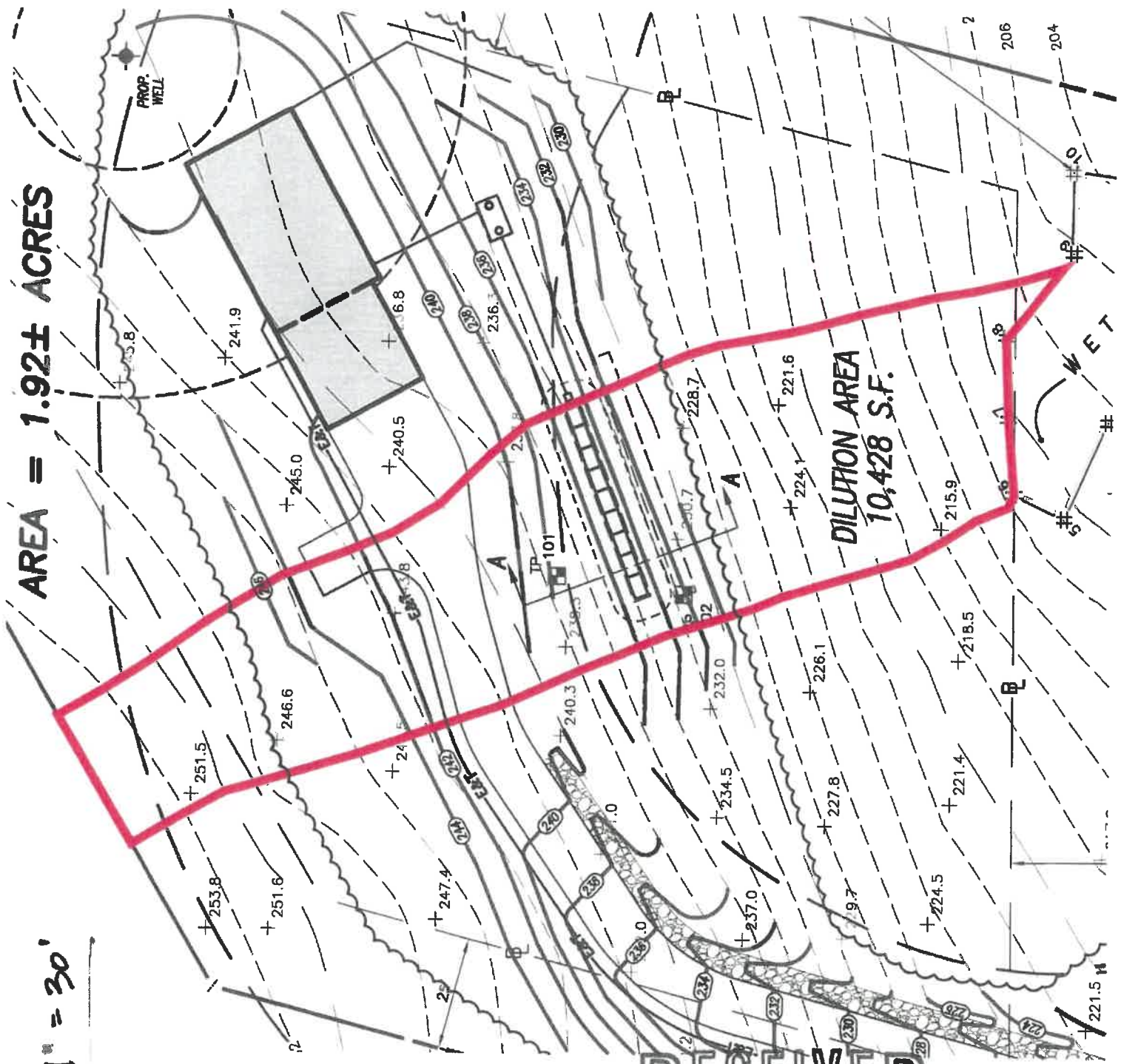
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AREA = 1.92 ± ACRES

Scale: 1" = 30'



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TOWN OF KILLINGLY

Soil Map—State of Connecticut



## MAP LEGEND

-  Area of Interest (AOI)
-  Area of Interest (AOI)
- Soils**
-  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
- 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>







## 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

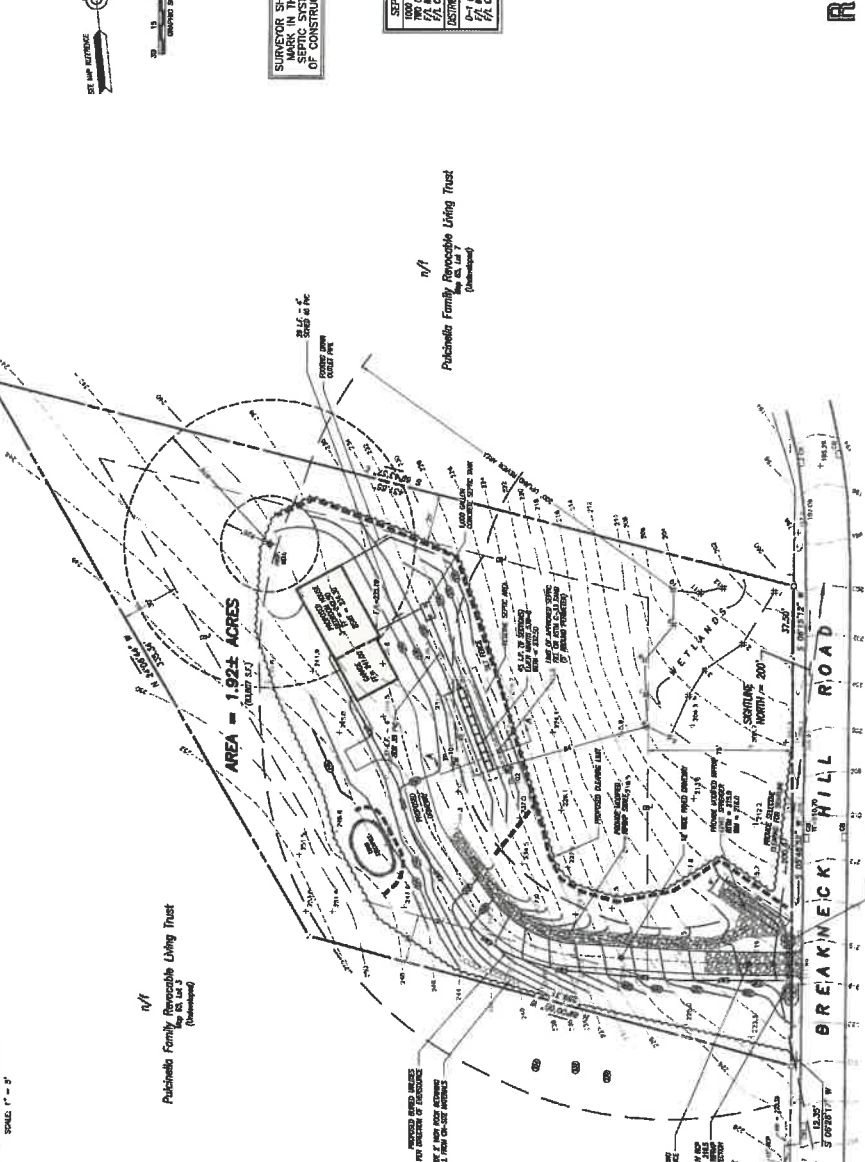
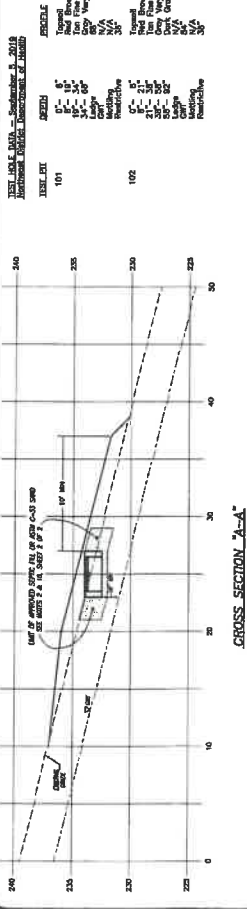
cc: Killingly Building Official; Killingly Engineering Associates; Sean O'Keefe

**SEWER SYSTEM DESIGN DATA**

Velocity Rate	2.0 m/s / ft
3 bedroom house residence	~450 s.d. effective loading area
Effluent Loading rate	~11 s.d. / l.d. of travel
Length Required	~495/11 = 45 LT.
Flow	~43 L/s
MSS (Grounding System Spaced)	~19 x 1.50 x 1.0 = 27'
MSS Provided	~6'
1" = 40' vertical (0 gradient) or Data Marked 320-8 septic loading units	Maximum depth into existing ground = 16'

**TEST HOLE DATA - September 2, 2018**

TEST HOLE	DEPTH	REMARKS
101	5' - 6'	Topsoil
	6' - 11'	Red Brown Clay Fine Sandy Loam
	11' - 13'	Very Fine Sandy Loam
	13' - 15'	Very Fine Sandy Loam
	15' - 18'	Very Fine Sandy Loam
	18' - 22'	Very Fine Sandy Loam
	22' - 25'	Very Fine Sandy Loam
	25' - 27'	Very Fine Sandy Loam
	27' - 30'	Very Fine Sandy Loam
102	0' - 1'	Topsoil
	1' - 3'	Red Brown Clay Fine Sandy Loam
	3' - 6'	Very Fine Sandy Loam
	6' - 8'	Very Fine Sandy Loam
	8' - 10'	Very Fine Sandy Loam
	10' - 12'	Very Fine Sandy Loam
	12' - 15'	Very Fine Sandy Loam
	15' - 18'	Very Fine Sandy Loam
	18' - 22'	Very Fine Sandy Loam
	22' - 25'	Very Fine Sandy Loam
	25' - 27'	Very Fine Sandy Loam
	27' - 30'	Very Fine Sandy Loam



**NOTES**

- This survey was prepared pursuant to the Regulations of the State of Connecticut, specifically Regulations 20-200b-1 through 20-200b-10, and the Regulations of the State of Connecticut, specifically Regulations 20-200b-1 through 20-200b-10, as adopted by the Connecticut Association of Land Surveyors, Inc. on September 28, 1989; limited liability prepared from record research, other maps, and other data which are subject to such facts as said surveys may disclose.
  - Topographic features conform to a Class "C" hydrographic accuracy.
  - Survey Type: General Location Survey.
- Zone = RD.
- Owner of record: Patchinella Family Residence Living Trust  
70 Seawood Avenue  
Brentford, CT 06405
- Parcel shown as Lot #7.1 on Assessment Map #65.
- Elevations shown are based on an assumed datum. Contours shown are taken from aerial field survey. Contour interval = 2.
- Test Pit data taken from NDDH file number 20000004.
- Map notes shown were obtained in the field by Joseph Therox, Certified Soil Scientist, in September 2018.
- NOT TO BE USED FOR ANY OTHER PURPOSES WITHOUT THE CONTACT "CALL BEFORE YOU DIG".

**REVISIONS**

NO.	DATE	DESCRIPTION

**GENERAL LOCATION SURVEY  
SEPTIC SYSTEM DESIGN PLAN**

PREPARED FOR:

**SEAN O'KEEFE**  
341 BREAKNECK HILL ROAD  
KILLINGTON, CONNECTICUT

**Killingly Engineering Associates**  
Civil Engineering & Surveying  
111 Western Road  
Killingly, CT 06242  
Phone: 860.339.3611  
www.killinglyeng.com

DATE	10/22/2018	DRAWN BY	MB
SCALE	1" = 50'	CHECKED BY	MB
SHEET	1 OF 4	DATE PLOTTED	10/22/2018
DRAWN FOR CLIENT FILE			

**RECEIVED**  
JAN 21 2019  
PLANNING & ZONING DEPT.  
TOWN OF KILLINGTON

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**LEGEND**

F.F.	FINISHED FLOOR
○	ROUND PAVEMENT
□	CATCH BASIN
---	EXISTING CONTOURS
---	PROPOSED CONTOURS
---	BOUNDARY LINE
---	PERCOLATION TEST HOLE
---	TEST HOLE
---	SELF FENCE

**LEGEND**

F.F.	FINISHED FLOOR
○	ROUND PAVEMENT
□	CATCH BASIN
---	EXISTING CONTOURS
---	PROPOSED CONTOURS
---	BOUNDARY LINE
---	PERCOLATION TEST HOLE
---	TEST HOLE
---	SELF FENCE

**LEGEND**

F.F.	FINISHED FLOOR
○	ROUND PAVEMENT
□	CATCH BASIN
---	EXISTING CONTOURS
---	PROPOSED CONTOURS
---	BOUNDARY LINE
---	PERCOLATION TEST HOLE
---	TEST HOLE
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**LEGEND**

F.F.	FINISHED FLOOR
○	ROUND PAVEMENT
□	CATCH BASIN
---	EXISTING CONTOURS
---	PROPOSED CONTOURS
---	BOUNDARY LINE
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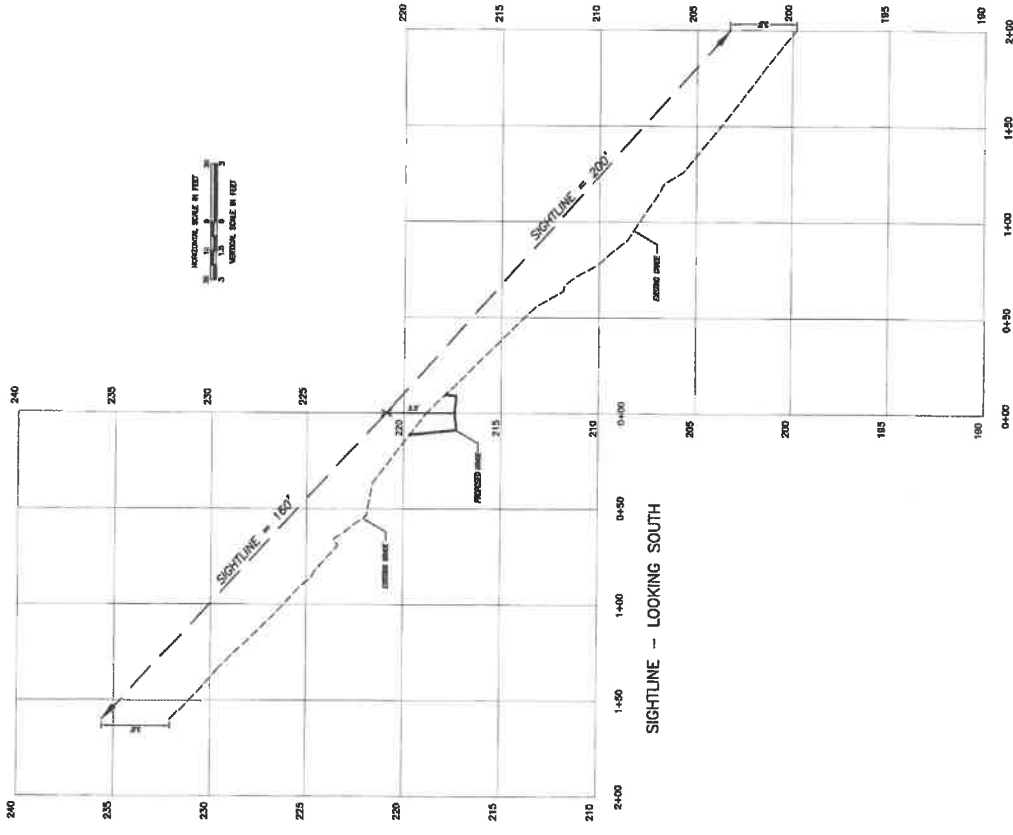
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NO.	DATE	REVISIONS

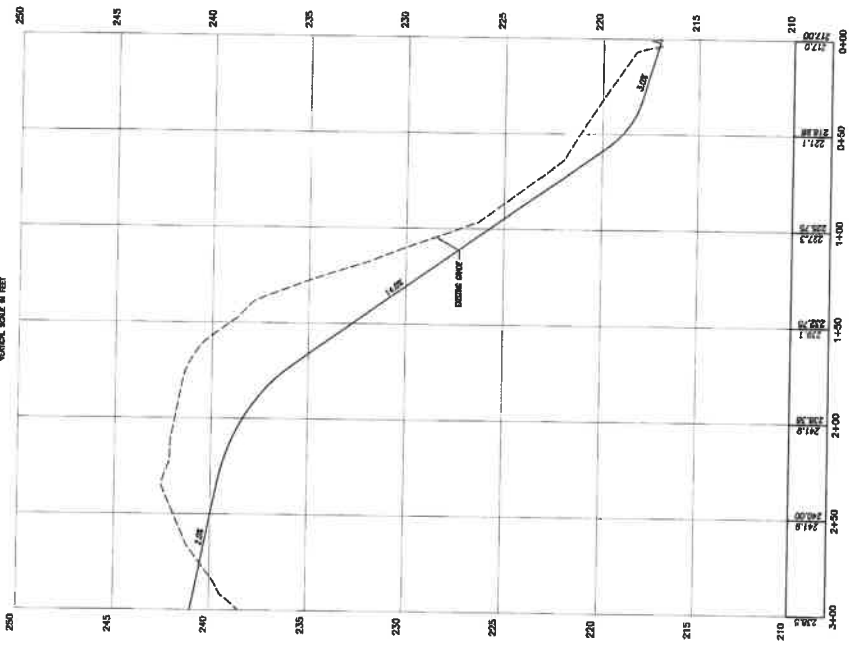
**SIGHTLINE DEMONSTRATION**  
 PREPARED FOR  
**SEAN O'KEEFE**  
 341 BREAKNECK HILL ROAD  
 KILLINGLY, CONNECTICUT

**Killingly Engineering Associates**  
 Civil Engineering & Surveying  
 114 Waterford Road  
 P.O. Box 117  
 Killingly, CT 06241  
 Phone: 860-339-3333  
 Fax: 860-339-3334  
 www.killinglyeng.com

DATE: 10/22/2018  
 SCALE: 1" = 50'  
 SHEET: 2 OF 4  
 DWG. FILE: 021.DWG  
 JOB FILE: 10114



*Sean O'Keefe*  
 SEAN O'KEEFE  
 ENGINEER  
 STATE OF CONNECTICUT  
 NO. 10114



DATE	DESCRIPTION

DRIVEWAY PROFILE  
 PREPARED FOR  
**SEAN O'KEEFE**  
 341 BREAKNECK HILL ROAD  
 KILLINGLY, CONNECTICUT

**Killingly Engineering Associates**  
 Civil Engineering & Surveying  
 141 Main Street  
 Killingly, CT 06242  
 Phone: 860-733-2700  
 www.killinglyeng.com

DATE: 10/27/2018  
 SCALE: 1" = 30'  
 SHEET: 3 OF 4  
 DRAWING NO.: 180118-01

DESIGNED BY: ABR  
 CHECKED BY: JET  
 DATE PLOTTED: 10/28/18



*Sean O'Keefe*  
 SEAN O'KEEFE, P.E.  
 10000





# Town of Killingly

Engineering Department  
172 Main Street, Killingly, CT 06239  
Phone 860-779-5360 Fax 860-779-5326

## MEMORANDUM

**TO:** Normand Thibeault Jr. P.E. Killingly Engineering Associates 114 Westcott Road, P.O. Box 421, Killingly Ct 06241, via email at nthibeault@killinglyea.com

**FROM:** David Capacchione, Town Engineer; Gary Martin, Assistant Town Engineer

**DATE:** December 21, 2020

**RE:** 341 Breakneck Hill Road, Killingly, Ct

**CC:** Ann Marie Aubrey Director of Planning and Development, Elsie Bisset, Director Economic Development, Jonathan Blake, Planner I, & Zoning Enforcement Officer; file

The Town Engineering department has received the following information for the subject project at our office through May 14, 2020:

Item 1: Set of two (2) drawings entitled "General Location Survey Septic System Design Plan" Plan Prepared for Sean O'Keefe 341 Breakneck Hill Road Killingly, Connecticut, prepared by Killingly Engineering Associates 114 Westcott Road, P.O. Box 421 Killingly Connecticut 06241 and dated 10/22/2019.

We have reviewed the item listed above and have the following comments pursuant to the Inland Wetland & Planning and Zoning Commissions:

### Comments:

1. Please provide pre and post development drainage calculations for the project demonstrating adequate capacity and no adverse impacts to the road or abutting properties.
2. Please provide a detail of the level spreader and demonstrate it has adequate capacity for stormwater quality with adequate freeboard and a connection for emergency overflow to the existing drainage system.
3. Please modify the 12-inch RCP to a minimum size of 15-inch RCP.

4. Please indicate the proposed driveway will be paved.
5. Sheet 2 shows a Bituminous Concrete Pavement Detail. If this is intended for road work, please modify it to reflect 1.5 inches of Class II over 1.5 inches of Binder over 6 inches of process gravel over 12 inches of bank run gravel. Please note all materials need to meet CDOT for 816 specifications.
6. Please demonstrate adequate sightline.
7. Please provide AS-Built drawings upon completion of the project in both Hard Copy and in Auto Cad.

Please contact the Town of Killingly Engineering Office at (860) 779-5360 if you have any questions or need additional information. We will be happy to meet with you to discuss the above referenced project.



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 #: \_\_\_\_\_  
Date Submitted: \_\_\_\_\_  
Date of Receipt by Comm.: \_\_\_\_\_  
Fee: \_\_\_\_\_  
Staff Initials: \_\_\_\_\_

**KILLINGLY INLAND WETLANDS & WATERCOURSES COMMISSION APPLICATION**

A \$100.00 base fee (or, for a proposed subdivision, \$100.00 per lot, whichever is greater) plus \$20.00 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: KEVIN CRUMP

Day Phone #: 904-791-420 Evening Phone #: \_\_\_\_\_

Mailing Address: 111 RIVERSIDE AVE. JACKSONVILLE FL 32202

Owner of Record: FRITO-LAY, INC

Mailing Address: 7701 LEGACY DR. PLANO TEXAS, 75024 Phone #: 972-632-7786

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

Authorization of property owner: \_\_\_\_\_

**LOCATION OF PROPERTY:**

House # and Street: 628 WILDWOOD WAY, DAYVILLE CT. 06241

Tax Map Number: 002335 Block: \_\_\_\_\_ Lot: \_\_\_\_\_

Zoning District: INDUSTRIAL Lot Size: 15.20 Ac. Lot Frontage: \_\_\_\_\_

Easements and/or deed restrictions: EVERSOURCE CENTERLINE EASEMENT, SANITARY SEWER EASEMENT.

**PURPOSE:**

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

PROPOSED TO CONSTRUCT PAVED PARKING FOR FRITO-LAY TRAILERS. CONSTRUCTION TO INCLUDE STORM SEWER SYSTEM AND STORMWATER MANAGEMENT FACILITY.

**ON-SITE WETLANDS AND WATERCOURSES:**

Windham County wetland soil types and areas of each type: ALL SOILS ON SITE ARE TYPE A, GRANULAR, NON PLASTIC, AND NON EXPANSIVE SOILS.

Watercourse(s) - type (pond, stream, marsh, bog, drainage ditch, etc.), manmade or natural, and area of each: EXISTING MANMADE STORMWATER POND

**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:

EXISTING MANMADE STORMWATER POND TO BE FILLED AND RELOCATED TO SE CORNER OF PROJECT.

**MATERIALS:**

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

53,226 Cu. Yd. CUT, AND 54,443 Cu. Yd. FILL

**MITIGATIVE MEASURES:**

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

PERIMETER OF CONSTRUCTION AREA WILL BE ENCLOSED BY SILTFENCE TO PREVENT SEDIMENTS FROM LEAVING SITE.

**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:

**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 N/A

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:

SEE ATTACHED CIVIL PLANS, SWPPP, AND STORMWATER MANAGEMENT PLAN FOR FULL SITE WORKS DEPICTION.

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: 

Date: 1/21/21

Owner of Record: 

Date: 1/22/21





# Town of Killingly

Engineering Department  
172 Main Street, Killingly, CT 06239  
Phone 860-779-5360 Fax 860-779-5326

## MEMORANDUM

**TO:** Ryan J Cuevas [ryan.cuevas@haskell.com](mailto:ryan.cuevas@haskell.com) ; Steven Cole [steven.cole@haskell.com](mailto:steven.cole@haskell.com) ; Kevin Crump [kevin.crump@haskell.com](mailto:kevin.crump@haskell.com) ; Scott Lyons [scott.lyons@haskell.com](mailto:scott.lyons@haskell.com); Jennifer May [Jennifer.may@haskell.com](mailto:Jennifer.may@haskell.com); David Kode [david.kode@haskell.com](mailto:david.kode@haskell.com) ; Brian Dotollo [brian.dotollo@haskell.com](mailto:brian.dotollo@haskell.com) ; Donald Gerlach [Donald.gerlach@haskell.com](mailto:Donald.gerlach@haskell.com)

**FROM:** David Capacchione, Town Engineer; Gary Martin, Assistant Town Engineer

**DATE:** February 18, 2021

**RE:** Yellin Trailer Parking Lot, Killingly Ct

**CC:** Ann Marie Aubrey Director of Planning and Development, Jill St Clair, Director Economic Development, Jonathan Blake, Planner I, & Zoning Enforcement Officer; file

The Town Engineering department has received the following information for the subject project at our office through February 18, 2021:

**Item 1:**

Set of twenty-three (23) drawing(s) entitled "Civil Engineering Plans For: YELLIN TRAILER PARKING LOT Dayville, Windham County, Connecticut prepared by Haskell Architects and Engineers, P.C. 111 Riverside Avenue Jacksonville, Florida 32202 and dated 01/21/2021.

**Item 2:**

STORMWATER MANAGEMENT PLAN, Yellin Trailer Parking Lot prepared by Haskell Architects and Engineers, P.C. 111 Riverside Avenue Jacksonville, Florida 32202 and dated 01/21/2021.

We have reviewed the item(s) listed above and have the following comments pursuant to the Inland Wetland & Planning and Zoning Commissions:

Comments:

1. On sheet 1C-120 there is a 12 ft wide gravel strip near the sediment forebay and behind the overhang stalls. What is the purpose / advantage of this strip?
2. Given the location of the lighting pads and the intended use of the lot you may want to consider protecting the light pads.
3. On sheet 1C-140 there are two manholes upstream of the Hydrodynamic Separators (Downstream Defenders). In looking at the piping details and structure table it appears that these are diversion manholes however I do not see any details relating to these MH's and the pipe inverts seem to be the same. Please look at this and modify to show that the manufacturers recommendations are followed to separate low flow from high flow and prevent the sediment from washing out of the hydrodynamic separators.
4. On sheet 1C-140 there is a call out for an overflow weir INV 252.00 from the sediment forebay to the main detention pond. The cross section shows the weir at 254.00 please correct for consistency.
5. Sheet 1C-140 also shows what appears to be an emergency overflow on the south side of the detention pond. This would need protection from erosion however, I am concerned about possible damage to the sanitary sewer line that any potential overflow could cause. I would prefer to avoid using this area for concentrated flow.
6. Sheet 1C-161 indicates the contractor to implement dust control. Please indicate where the water will be acquired.
7. Due to the slope of the proposed detention pond and the use of the lot please include a fence all the way around the pond. You may want to plan for future access of machinery in order to perform routine maintenance.
8. On sheet 1C-170 there seems to be some missing data for the EXDA DERESSION pre-developed conditions table.
9. On sheet 1C-170 the pre-developed peak discharge for the South Basin is shown as 30.18 cfs. Please identify the limits of the south basin and explain if it is sheet flow, shallow concentrated flow, a point discharge or a combination.
10. Please list the existing conditions runoff for the EXDA- Upper, Yellin and Depression areas. Is this included in the south basin runoff?
11. Please show the finish grade for the detention pond to be filled in.
12. On sheet 1C-171 the post development table seems to be missing some CN numbers they are show on the plan. Please modify the table.

13. Please identify the rainfall amounts used to determine the flows and water elevations for the 2 to 100-year storm events. Please list the flows and elevations for each storm event and catchment listed.
14. On sheet 1C-172 it appears that DD-1 treats 24.06 acres including the upper lot and the area of the existing detention pond.
15. From looking at the BMP Drainage Area Map on sheet 1C-172 it appears that there are a few areas between the shaded and hatched areas not included in the calculations. Please modify the drainage calculations if necessary or correct the map.
16. On sheet 1C-242 the STM 400-S cross section shows the proposed grade extending above the top of bank. Please clarify and modify if necessary.
17. On sheet 1C-242 the STM 400-S cross section shows a 24-inch CMP riser. I would suggest another material besides CMP for longevity.
18. Sheet 1C-440 shows the influent pipes to the sediment forebay set near the bottom. Given the New England winters it is advisable for these pipes not to be submerged during extended periods of cold weather.
19. Given the proximity of the outlet structure 424 to the tail race please investigate creating a larger detention area to eliminate the need for a discharge or explore other options for infiltration. If this is not possible provide the discharge flow and velocity and demonstrate that the proposed outlet protection is adequate. Please note CT DEEP may consider this a discharge to a River and it may require additional permits and or monitoring.
20. There are several areas that call for rip rap protection. Please provide the size required and the calculations (drainage and otherwise) to support the dimensions shown.
21. Please note as we discussed a disturbed area of this size requires a permit from CT DEEP.
22. In some areas the slopes of the proposed detention pond are 2H:1V. A 3H:1V is recommended in the CT Stormwater Manual. If you cannot meet the 3H:1V please indicate how you plan to stabilize the slopes.
23. Please provide the specifications of the Hydrodynamic Separators you plan to install,
24. Please modify the construction entrance detail to meet CT DOT standards.
25. In your stormwater management plan, it is stated that the forebay is sized to accommodate 25% of the Water Quality Volume (WQV). In areas that see use like what you are proposing the ability to hold 100% is typical.

26. In your stormwater management plan, you indicate you will be requesting a variance for WQV recovery (water quality volume recovery) and for the pond recovery time. Please call to discuss or provide the reasons for the variance(s).
27. In the stormwater management plan the catchment area data summary for pre-developed conditions is missing some data.

Please contact the Town of Killingly Engineering Office at (860) 779-5360 if you have any questions or need additional information. We will be happy to meet with you to discuss the above referenced project.



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 #: 20-1517  
Date Submitted: 1/29/2021  
Date of Receipt by Comm.: 2/1/2021  
Fee: \$160.00  
Staff Initials: JB

**KILLINGLY INLAND WETLANDS & WATERCOURSES COMMISSION APPLICATION**

A \$100.00 base fee (or, for a proposed subdivision, \$100.00 per lot, whichever is greater) plus \$40.00 state fee must accompany each application (Total fee: \$140.00). **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: NICHOLAS TAVERNIER  
Day Phone #: 810-933-2632 Evening Phone #: \_\_\_\_\_  
Mailing Address: 70 WARE RD DAYVILLE CT 06241  
Owner of Record: SAME  
Mailing Address: SAME Phone #: \_\_\_\_\_

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

Authorization of property owner: \_\_\_\_\_

**LOCATION OF PROPERTY:**

House # and Street: 80 DAM RD KILLINGLY  
Tax Map Number: 72 Block: \_\_\_\_\_ Lot: 3  
Zoning District: RD Lot Size: 0.54AC Lot Frontage: \_\_\_\_\_  
Easements and/or deed restrictions: \_\_\_\_\_

**PURPOSE:**

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

CONSTRUCTION OF A PROPOSED GARAGE ADDITION WITH ADDITIONAL LIVING AREA WITHIN THE UPLAND REVIEW AREA

**ON-SITE WETLANDS AND WATERCOURSES:**

Windham County wetland soil types and areas of each type:

POND/LAKE

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

100 LF OF WATER FRONT IN AREA OF PROPOSED ADDITION

**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 DISTURBANCE TO WETLANDS OR POND IS PROPOSED

**MATERIALS:**

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

100 cu yds fill

**MITIGATIVE MEASURES:**

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

SILT FENCE FOR EROSION CONTROL CONSTRUCTION DURING LOW WATER LEVEL OF POND

**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 EFFECT 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) NA

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.*

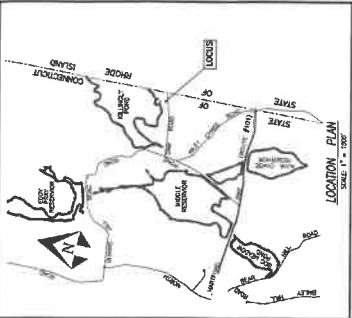
**ADDITIONAL INFORMATION:**

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: Bruce D. [Signature] Date: 1/29/21  
Owner of Record: [Signature] Date: 1/27/21



**PROPOSED PROJECT INFORMATION**

PROJECT NO. 2020  
 PROJECT NAME: NICHOLAS TAVERNIER  
 PREPARED BY: Nicholas Tavernier  
 DATE: 1/29/2021

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PROJECT NO. 2020  
 PROJECT NAME: NICHOLAS TAVERNIER  
 PREPARED BY: Nicholas Tavernier  
 DATE: 1/29/2021

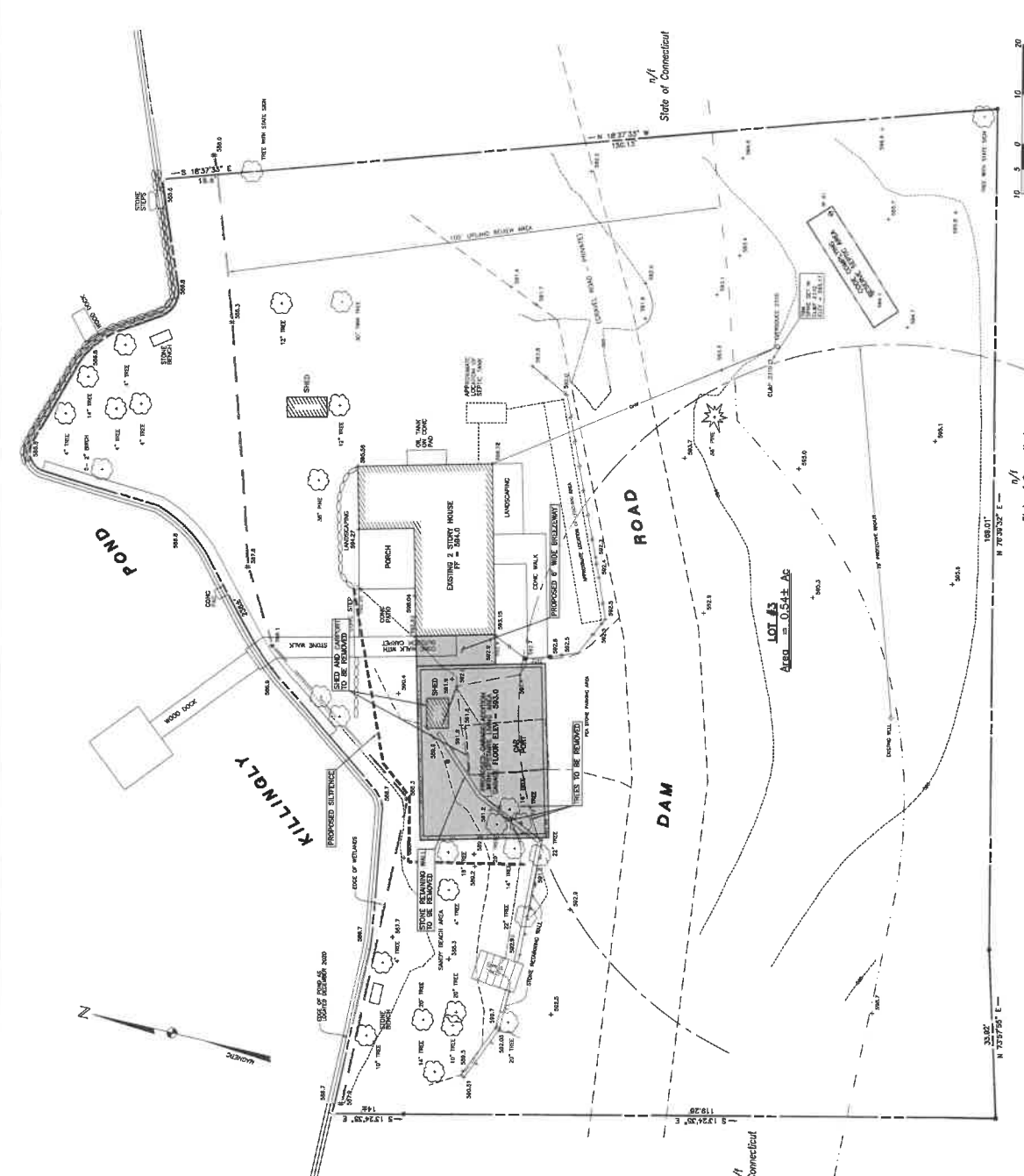
**PROPOSED PROJECT INFORMATION**

PROJECT NO. 2020  
 PROJECT NAME: NICHOLAS TAVERNIER  
 PREPARED BY: Nicholas Tavernier  
 DATE: 1/29/2021

**NICHOLAS TAVERNIER**  
 80 DAM ROAD  
 KILLINGLY, CONNECTICUT

**KWP ASSOCIATES**  
 200 WOODS ROAD  
 BRIDGE 30, WOODS, CONNECTICUT

**DATE: 1/29/2021**  
**SHEET: 1 OF 1**  
**SURVEY: ENGINEERING - SITE PLANNING**



**LEGEND**

IRON PIN FOUND  
 EXISTING CONTOUR  
 PROPOSED CONTOUR  
 DEEP JEST PIT LOCATION  
 PROPOSED TEST LOCATION  
 SET PRICE

**K W P ASSOCIATES**  
 BRUCE D. WOODS, LICENSED L.S. #12345  
 NICHOLAS TAVERNIER, LICENSED L.S. #12345

**APPROVED BY THE TOWN OF KILLINGLY INLAND WETLANDS COMMISSION**

DATE: \_\_\_\_\_

CHAIRMAN: \_\_\_\_\_

- EROSION & SEDIMENTATION NOTES AND SEQUENCE OF OPERATIONS**
- The proposed work shall consist of the construction of an outlet to a existing storm drain.
  - Prior to any construction, excavation or filling, all improvements shall be concretely staked in the field by a land surveyor registered in the State of Connecticut.
  - Property installed herbicide moyle used in lieu of silk fence.
  - As trees and brush within the terms of delineation shall be cleared and staked for later trees or slope stabilization and removed from the site and disposed of in a manner consistent with State, Federal and local regulations. Stumps shall be removed from the site and disposed of in a manner consistent with applicable laws.
  - Final grades shall be checked as quickly as possible, and the area shall be seeded and mulched with straw mulch in accordance with the specifications contained herein.
  - All erosion and sedimentation control measures shall be installed and maintained in accordance with the specifications of Erosion and Sedimentation Control Handbook, U.S. Dept. of Agriculture, Soil Conservation Service.
  - All control measures shall be maintained in effective working order at all times during construction, and after construction has been completed. Stumps shall be removed from the site and disposed of in a manner consistent with applicable laws. All trees to be removed shall be removed prior to any construction activity.
  - The Town of Killingly shall be notified prior to commencement of construction and at key point during construction so that appropriate erosion and sedimentation control measures can be implemented.
  - The responsibility for implementation of this plan shall rest with Nicholas Tavernier, 80 Dam Road, Killingly, CT, 06243 Telephone: (860) 333-3622
  - Seed Mixture:
    - 100% Fescue
    - 100% Ryegrass
    - 100% Clover
    - 100% Alfalfa
    - 100% Soybean Meal
  - Schedule of construction activities:
    - Site Work: 1/29/21 - 2/12/21
    - Foundation: 2/13/21 - 2/26/21
    - Roofing: 2/27/21 - 3/13/21
    - Interior Finishes: 3/14/21 - 3/27/21
    - Exterior Finishes: 3/28/21 - 4/10/21
    - Final Site Work: 4/11/21 - 4/24/21
- NOTES:**
- This survey has been prepared pursuant to the Regulations of the State of Connecticut, Department of Environmental Protection and the "Surveyors Act" of the State of Connecticut, Chapter 54-201b, as amended, and the "Professional Association of Land Surveyors, Inc." of Connecticut, Inc. (PALSI).
  - This survey conforms to a Class "A-2" historical accuracy.
  - Topographic features conform to a Class "A-2" "A-2" without accuracy.
  - Owner/Author: Nicholas Tavernier  
 Date: 1/29/21  
 80 Dam Road
  - Prepared by: Nicholas Tavernier  
 Date: 1/29/21  
 80 Dam Road
  - APPROVED BY THE TOWN OF KILLINGLY INLAND WETLANDS COMMISSION
  - Survey: Custom Method "A-2"
  - Northwest District Department of Health file number: 2100019
  - Survey: Custom Method "A-2"
  - Survey: Custom Method "A-2"

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 #: 21-1518  
Date Submitted: ~~2/1/2021~~ 1/29/2021  
Date of Receipt by Comm.: \_\_\_\_\_  
Fee: \$160 - RL  
Staff Initials: \_\_\_\_\_

**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: Neil Barnett (Elite Site Development)  
Day Phone #: 4019241666 Evening Phone #: \_\_\_\_\_  
Mailing Address: 142 Lhommel St Danielson CT 06239  
Owner of Record: Lynn + Edward Martins  
Mailing Address: 620 Steere Farm Rd Phone #: 401862-0212  
Harrisville RI 02830  
Applicant's interest in the land if the applicant is not the property owner: Contractor/Son in law  
Authorization of property owner: See attached

**LOCATION OF PROPERTY:**

House # and Street: 28/30 North Frontage Rd Killingly CT 06239  
Tax Map Number: \_\_\_\_\_ Block: \_\_\_\_\_ Lot: \_\_\_\_\_  
Zoning District: \_\_\_\_\_ Lot Size: \_\_\_\_\_ Lot Frontage: \_\_\_\_\_  
Easements and/or deed restrictions: Easement for land adjacent held by Windham Land Trust

**PURPOSE:**

Provide the purpose and description of the proposed activity, including a list of all proposed regulated activities.  
Building of homes on subdivision set of plans. Must cross wetlands for right of way/ easement. Would like to reinstate expired permit from 2007.

**ON-SITE WETLANDS AND WATERCOURSES:**

Windham County wetland soil types and areas of each type:

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

2 Pond areas, marsh & drainage ditch.  
(Natural)

**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:

**MATERIALS:**

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

Materials specific to engineer plans.

**MITIGATIVE MEASURES:**

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

Riprap, filter fabric, wooden guardrail  
RCP pipe - 18 in.  
Repair existing RCP pipe.

**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:

~~marsh~~ holds water run off from property

**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 2

Wells 2

Driveways 1 split

Septic Systems 2

Drainage Systems (Including Culverts, Footing and Curtain Drains) See plans

Erosion and Sedimentation controls see plans

Wetlands See plans

Watercourses See plans

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:

This was all handled in 2007 per plans

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: [Signature]

Date: 11/28/21

Owner of Record: Jayn Martins

Date: 1/28/21

## **PROJECTS WITHIN A PUBLIC WATER SUPPLY WATERSHED OR AQUIFER AREA**

**“As required by Sections 8-3i and 22a-42f of the Connecticut General Statutes, ALL APPLICANTS, before a Town Board for any project within a public water supply aquifer and/or watershed area are required to notify a water company of any such proposed project by certified mail NO LATER THAN SEVEN (7) DAYS after the date of the application...”**

**For those within a Connecticut Water Company watershed, they need to file the attached updated Project Notification Form, which is required for applications for projects within their aquifer or watershed areas.**

**Said form is to be mailed, certified mail return receipt, to the following:**

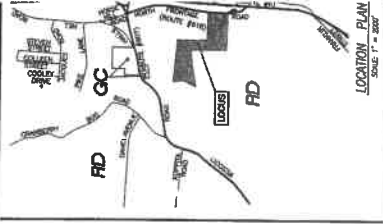
**Jessica Demar, Environmental & Regulatory Compliance Coordinator  
Connecticut Water Company  
93 West Main Street  
Clinton, CT 06413**

**(Office) 860.669.8636**

**(Fax) 860.669.9326**

**(Customer Service) 800.286.5700**





Subdivision Plan No: APPROVED BY TH KILLINGLY PLANNING AND

APPROVED BY TH KILLINGLY INLAND WETLANDS

CHAIRMAN

FOR ALL CONSTRUCTION DETAILS SEE SHEET 3 OF 3

10' WIDE DRAINAGE RIGHT OF WAY IN FAVOR OF THE STATE OF CONNECTICUT (SEE VOLUME #135, PAGE #60)

DRAINAGE RIGHT OF WAY IN FAVOR OF THE STATE OF CONNECTICUT (SEE VOLUME #135, PAGE #60)

DATE	2/17/2009
17/2009	
17/2009	
17/2009	
17/2009	

ESTATE OF JOHN N. NORTH FRONTAGE KILLINGLY, CONNECTICUT

Subdivision Plan Prepared For

KWP Associates

250 Albany Road  
Plainville, CT 06061-0108

To my knowledge and belief, the contents of this map are correct as noted herein.

Bruce D. Wickes  
Professional Engineer  
State of Connecticut  
No. 21192

No certification is expressed or implied unless this map bears the embossed seal of the land surveyor whose signature appears hereon.

*n/f*  
Randy J. Gerrish  
&  
Rebecca J. Gerrish

*n/f*  
Judith L. Kay, Trust

*n/f*  
Alfred E. Durfresne  
&  
Janette Durfresne

*n/f*  
Alfred E. Durfresne  
&  
Janette Durfresne

*n/f*  
Janette Durfresne

**LOT #5-3**  
**CONSERVATION PARCEL**  
AREA = 20.1 ACRES  
(TO BE CONVEYED TO WINDHAM LAND TRUST)

**LOT #5-2**  
AREA = 10.12 ACRES  
(AREA EXCLUDING ACCESSWAY = 6.0 AC)

*n/f*  
Alfred E. Durfresne  
&  
Janette Durfresne

*n/f*  
Alfred H. Schiops  
&  
Miriam G. Schiops

THIS MAP WAS PREPARED BY ORIGINAL SURVEY OR BY LAND PROCESSOR KWP ASSOCIATES

This survey has been prepared pursuant to the Regulations of the Surveyors' Board for the State of Connecticut and the Surveyors' Code of Ethics, as amended, and the Surveyors' Code of Professional Ethics, as amended, which are hereby incorporated by reference into this map.

This survey is a "Class A" as defined in the Regulations of the Surveyors' Board for the State of Connecticut and the Surveyors' Code of Ethics, as amended, and the Surveyors' Code of Professional Ethics, as amended, and is subject to the provisions of the Regulations of the Surveyors' Board for the State of Connecticut and the Surveyors' Code of Ethics, as amended, and the Surveyors' Code of Professional Ethics, as amended, which are hereby incorporated by reference into this map.

This survey was prepared by a Licensed Professional Land Surveyor, Alfred E. Durfresne, Jr., State of Connecticut, License No. 21192, and a Licensed Professional Land Surveyor, Janette Durfresne, State of Connecticut, License No. 21193.

THIS MAP WAS PREPARED BY ORIGINAL SURVEY OR BY LAND PROCESSOR KWP ASSOCIATES

Alfred E. Durfresne, Jr., State of Connecticut, License No. 21192  
Janette Durfresne, State of Connecticut, License No. 21193

Alfred E. Durfresne, Jr.  
250 Albany Road  
Plainville, Connecticut 06061

Janette Durfresne  
250 Albany Road  
Plainville, Connecticut 06061

250 Albany Road  
Plainville, Connecticut 06061

250 Albany Road  
Plainville, Connecticut 06061

This map was prepared by a Licensed Professional Land Surveyor, Alfred E. Durfresne, Jr., State of Connecticut, License No. 21192, and a Licensed Professional Land Surveyor, Janette Durfresne, State of Connecticut, License No. 21193.

Alfred E. Durfresne, Jr., State of Connecticut, License No. 21192  
Janette Durfresne, State of Connecticut, License No. 21193

Alfred E. Durfresne, Jr.  
250 Albany Road  
Plainville, Connecticut 06061

Janette Durfresne  
250 Albany Road  
Plainville, Connecticut 06061

Received for Records March 26, 2009 at 9:00 AM. Witness: [Signature]

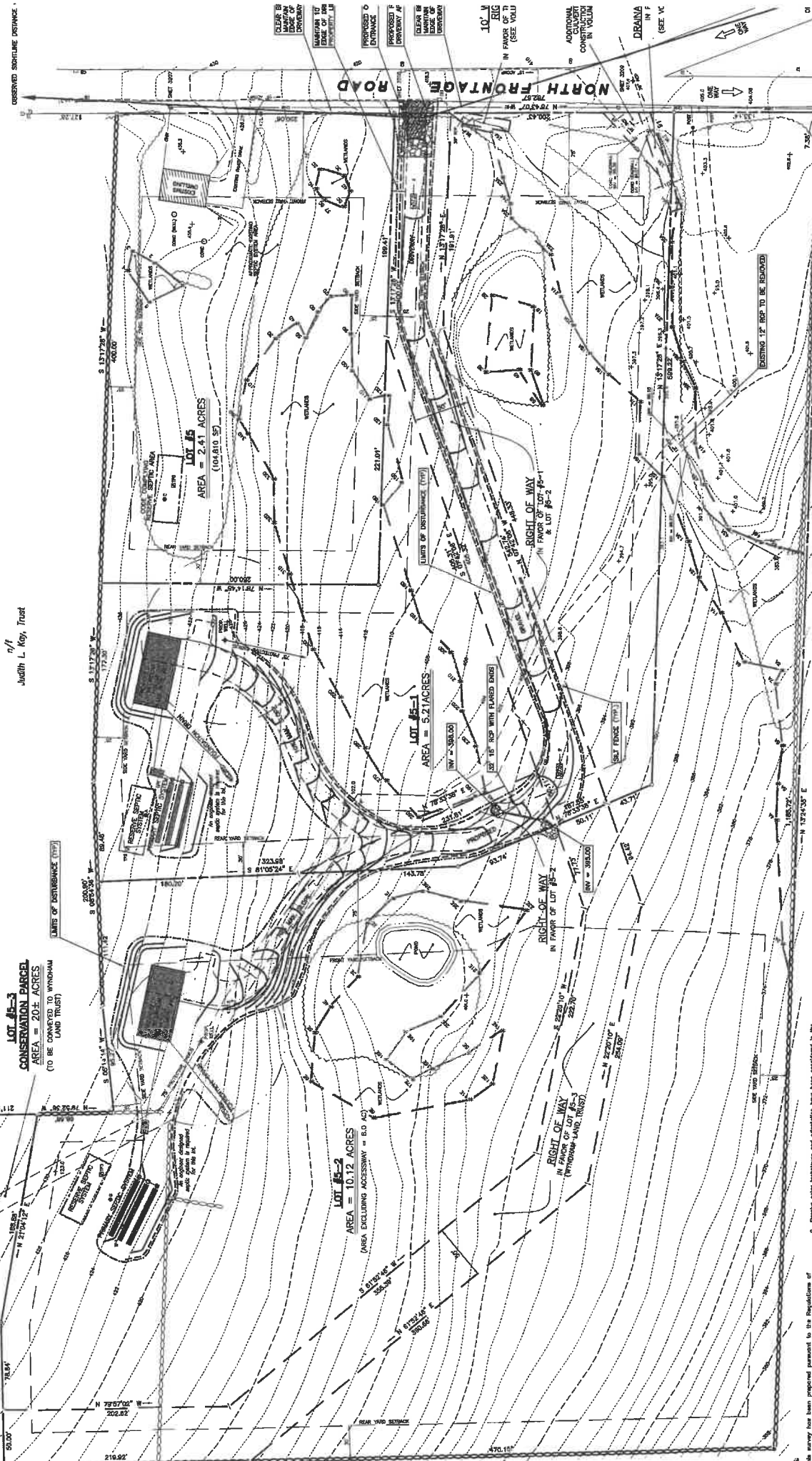
n/a  
Judith L. Koy, Trust

LOT #5-3  
CONSERVATION PARCEL  
AREA = 20± ACRES  
(TO BE CONNECTED TO WINDHAM  
LAND TRUST)

LOT #5  
AREA = 2.41 ACRES  
(TOTAL 6.9)

LOT #5-1  
AREA = 5.21 ACRES  
(NET = 3.6)

LOT #5-2  
AREA = 10.12 ACRES  
(AREA EXCLUDING ACCESSWAY = 8.0 AC)



Site Development Prepared For

ESTATE OF JOHN N. Kittingly, Conine

North Frontage Killingly, Conine Associates

DATE	REVISIONS
12/27/2007	LOT #5-3 DRAINAGE, AREA EXCLUDING ACCESSWAY
12/14/2007	FIELD VISITED, DRAINAGE, ACCESS, ADJUSTED VIEWS
11/16/2007	REVISED HOME USE & DRAINAGE, ACCESS DRAINAGE EASMENTS
1/18/2008	REVISED DRAINAGE

FOR ALL CONSTRUCTION NOTES AND DETAILS SEE SHEET 3 OF 3.

- LEGEND
- IRON PIN FOUND
  - EXISTING SURFACE OR TO BE SET
  - UTILITY POLE
  - CHD POINT
  - STATIONARY MARK
  - SPRING
  - STONE WALL
  - EDGE OF WETLANDS
  - EXISTING CONTOUR
  - OVERHEAD WIRE
  - PROPOSED CONTOUR
  - PROPOSED SPOT ELEVATION
  - PROPOSED TEST LOCATION
  - PROPOSED UNDERGROUND UTILITIES

Alfred E. Dufresne  
n/a  
Janette Dufresne

I have reviewed the plans and believe them to be correct in all respects. My name is printed on these plans to indicate my approval.

Subdivision Plan No. [blank]  
APPROVED BY THE TOWN OF KILLINGLY INLAND WETLANDS COMMISSION  
[Signature] March 13, 2008

THIS MAP WAS PRODUCED BY RFP ASSOCIATES

APPROVED BY THE TOWN OF KILLINGLY INLAND WETLANDS COMMISSION  
[Signature] March 13, 2008  
CHAIRMAN DATE

6. Positive water boundaries and orientation have been considered in the design of the development. The location of the driveway is to conform to the local road 10' setback at 71-880-222-4405.

7. This survey conforms to a Class "A-2" horizontal accuracy.

8. Topographic features conform to a Class "A-2" (100) vertical accuracy.

9. The survey was performed by RFP Associates, Inc. using a Trimble 5600 RTK GNSS receiver.

Owner & Subdividers: Estate of John N. Kittingly, Conine  
Survey: RFP Associates, Inc.  
Contract No. 08-015  
Date: 03/13/2008

Zone = NAD 83 (North American Datum of 1983)  
Total station/level = 0.15" + 5.0" (PPM)

Printed in black at 11" x 17" on 24lb/ream paper, 100% recycled, 50% post-consumer waste.

Foundation and permitting are to be handled with placement verification by the applicant.

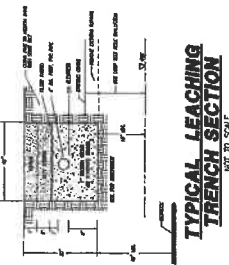
Scale: As shown on the map.

Drawn by: [Signature]  
Checked by: [Signature]  
Reviewed by: [Signature]

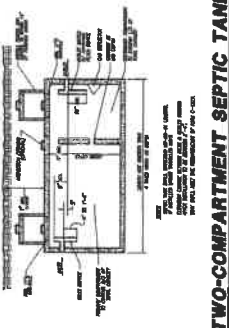
To my knowledge and belief, the information contained hereon is true and correct.

RFP Associates  
SERVING ENGINEERS - SITE PLANNING  
350 Spring Road  
Plainville, CT 06060-0108

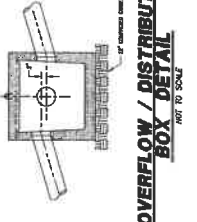
RECEIVED FOR RECORD: March 26, 2008 at 11:19 AM. Address: 71-880-222-4405



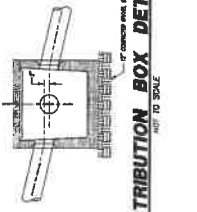
**TYPICAL TRENCH SECTION**  
NOT TO SCALE



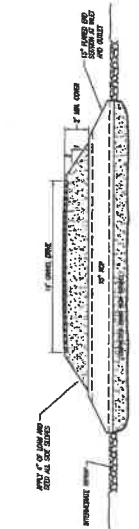
**TWO-COMPARTMENT SEPTIC TANK**  
NOT TO SCALE



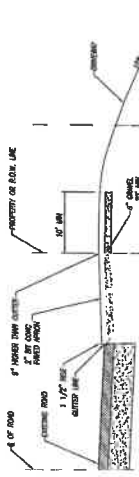
**OVERFLOW / DISTRIBUTION BOX DETAIL**  
NOT TO SCALE



**DISTRIBUTION BOX DETAIL**  
NOT TO SCALE



**DRIVEWAY AND PIPE CROSSING DETAIL**  
NOT TO SCALE



**RESIDENTIAL DRIVEWAY LAND BELOW ROAD SECTION DETAIL**  
NOT TO SCALE

**EROSION & SEDIMENTATION NOTES AND SCHEDULE OF OPERATIONS**

The proposed activity consists of the construction of 2 single lot residential lots and 10' x 10' septic tank system. Erosion and sedimentation control measures shall be installed in accordance with the specifications and standards of the Connecticut Department of Environmental Protection (DEP) and the State of Connecticut.

After field staking all erosion sedimentation control devices on shown on the plan and as detailed shall be installed. Erosion and sedimentation control measures shall be installed in accordance with the specifications and standards of the Connecticut Department of Environmental Protection (DEP) and the State of Connecticut.

All erosion and sedimentation control measures shall be installed in accordance with the specifications and standards of the Connecticut Department of Environmental Protection (DEP) and the State of Connecticut.

The town of Milford shall be notified prior to commencement of construction. The town of Milford shall be notified prior to commencement of construction.

**SCHEDULE OF CONSTRUCTION ACTIVITIES**

Site Preparation	Mar 1 - Mar 15, 2008
Foundation	Mar 15 - Apr 1, 2008
Foundation	Apr 1 - Apr 15, 2008
Foundation	Apr 15 - Apr 30, 2008
Foundation	May 1 - May 15, 2008
Foundation	May 15 - May 31, 2008

**EROSION & SEDIMENTATION NOTES**

The following erosion and sedimentation control measures shall be installed in accordance with the specifications and standards of the Connecticut Department of Environmental Protection (DEP) and the State of Connecticut.

1. All erosion and sedimentation control measures shall be installed in accordance with the specifications and standards of the Connecticut Department of Environmental Protection (DEP) and the State of Connecticut.

2. All erosion and sedimentation control measures shall be installed in accordance with the specifications and standards of the Connecticut Department of Environmental Protection (DEP) and the State of Connecticut.

**GRAVEL DRIVEWAY DETAIL NOT TO SCALE**

**CONSTRUCTION ENTRANCE NOT TO SCALE**

**FOUNDATION DRAIN OUTLET NOT TO SCALE**

**PAVED DRIVEWAY APRON DETAIL NOT TO SCALE**

**SILT FENCE NOT TO SCALE**

**THIS MAP WAS PRODUCED BY ORIGINAL OR ON FILED PROCESS DEP ASSOCIATES**

**REVISIONS**

DATE	REVISION
1/11/08	ISSUED PERMITS DESIGN SHEETS

**DETAIL SHEET**  
Prepared By

**ESTATE OF JOHN**  
NORTH FRONTAGE  
KILLINGLY, CONNECTICUT

**KWP ASSOCIATES**  
200 Millers Road  
Plainville, CT 06061-0109

**DATE**  
1/11/08

**DATE**  
1/11/08

**DATE**  
1/11/08

**DATE**  
1/11/08

**DATE**  
1/11/08

**DATE**  
1/11/08

**DATE**  
1/11/08

Received for Record: March 26, 2008 at 9:14 AM. Interest: Five (5) Set Rest.

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 #: 21-1520  
Date Submitted: 2/15/2021  
Date of Receipt by Comm.: 3/1/2021  
Fee: \$160.00 - Check # 259  
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: Sheena Ruggirello  
Day Phone #: 860-222-4734 Evening Phone #: SAME  
Mailing Address: 65 Stone Rd Dayville, CT 06241  
Owner of Record: Sheena and Nathaniel Ruggirello  
Mailing Address: SAME Phone #: 860-222-4734

Applicant's interest in the land if the applicant is not the property owner: D/N/A

Authorization of property owner: \_\_\_\_\_

**LOCATION OF PROPERTY:**

House # and Street: 65 Stone Rd  
Tax Map Number: 19 Block: --- Lot: 15  
Zoning District: RD/5mk overlay Lot Size: 6.2 Lot Frontage: \_\_\_\_\_

Easements and/or deed restrictions: Preservation Zone

**PURPOSE:**

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

Out building for storage. (30' x 40') w/ concrete patio and 15' x 24' above in ground pool.

**ON-SITE WETLANDS AND WATERCOURSES:**

Windham County wetland soil types and areas of each type:

Outside of wetland area

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

**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:

D/N/A

**MATERIALS:**

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

D/N/A

**MITIGATIVE MEASURES:**

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

Provide a continuous line of silt fence or staked haybales throughout construction

**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:

Work is outside of wetlands and should not have any effect on the wetlands

**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

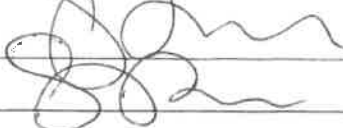
*\*Refer to Section 6.0 – Application Information Requirements and Section 7.0 – Application Evaluation Criteria of the Killingly Inland Wetlands & Watercourses Commission Regulations for information the Commission may require. Professionally prepared plans (Licensed Land Surveyor/Professional Engineer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


**ADDITIONAL INFORMATION:**

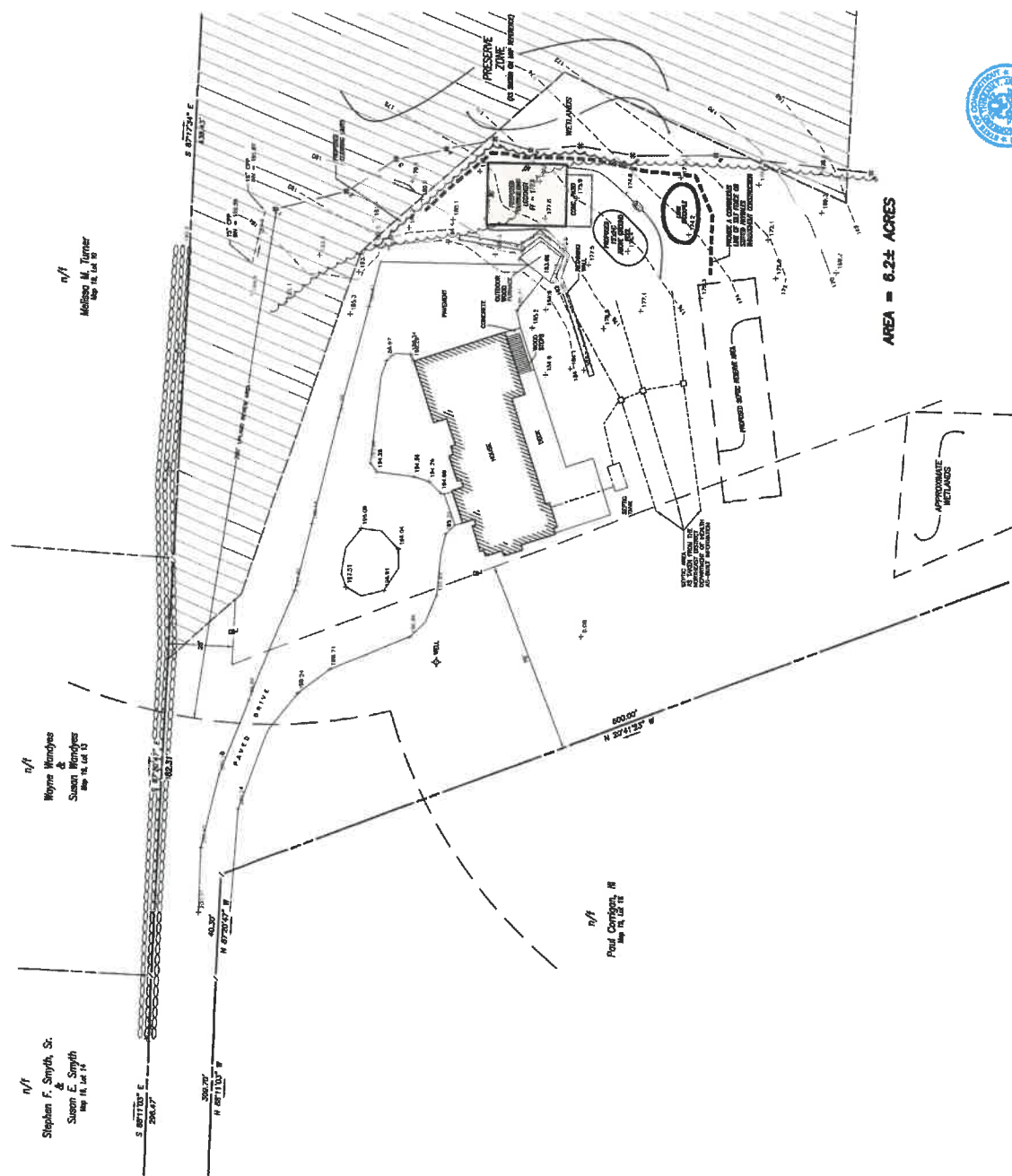
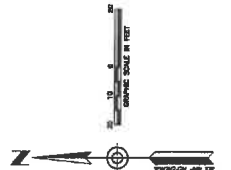
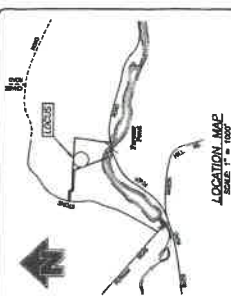
List additional information submitted by the applicant:

4 Plans Planned copies dated 2/16/2021  
 By Killingly Engineering Associates

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:  Date: 2/18/21

Owner of Record:  Date: 2/18/21



n/i  
Stephen F. Smyth, Sr.  
&  
Susan E. Smyth  
Map No. 14, 15, 16

n/i  
Royce Manoyes  
&  
Susan Manoyes  
Map No. 14, 15

n/i  
Michael M. Turner  
Map No. 14, 15, 16

n/i  
Paul Corrigan, RI  
Map No. 14, 15

**NOTES:**

- The survey has been prepared in accordance with the Regulations of the State of Connecticut, Chapter 20-300a-1 through 20-300a-10 and the Standards for Surveys and Maps in the State of Connecticut, Chapter 20-300a-1 through 20-300a-10, as amended by the Association of Land Surveyors, Inc. on September 28, 1998. This map was prepared from recent research, other maps and aerial photographs and other records. It is not to be construed as a warranty of accuracy. The survey is preliminary and is subject to such facts as would emerge from further research.
- This survey conforms to a Class "C" horizontal accuracy. - Topographic features conform to a Class "C-2", "V-2" vertical accuracy.
- Survey Type: General Location Survey.
- Zone = 89 - Five Mile River Overlay District.
- Owner of record: Sheena Ruggirello & Nathaniel Ruggirello, Killingly, CT 06241
- Parcel is shown on Lot #19 on Assessment Map #10.
- Easements shown are based on recorded deeds. Easements shown are taken from deed filed survey. Owner's interest in 2' shown are taken from deed filed survey. Owner's interest in 2' Certified Soil Statement, in November 2020.
- Other 20' contribution is to commence contact "CALL BEFORE YOU DIG" at 1-800-422-4465 or 811.

**MAP REVISIONS:**

Written Corporation - Double White Offices - Stone Road  
Killingly, CT 06241  
Prepared by: Sheena Ruggirello & Nathaniel Ruggirello  
Map # 20-24-3

DATE	DESCRIPTION

**GENERAL LOCATION SURVEY**  
**SITE PLAN**  
PREPARED FOR  
**SHEENA RUGGIRELLO &**  
**NATHANIEL RUGGIRELLO**  
6 STORE ROAD  
KILLINGLY, CONNECTICUT  
**Killingly Engineering Associates**  
Civil Engineering & Surveying  
111 Water Street  
Killingly, CT 06241  
www.killinglyeng.com  
860-779-7979

DATE: 12/02/2020	SHEET: 1408
SCALE: 1" = 20'	SHEET: 087
SHEET: 1 OF 2	CON'T: 00
DATE: 12/02/2020	JOB NO: 20154

**RECEIVED**  
FEB 11 2021  
PLANNING & ZONING DEPT.  
TOWN OF KILLINGLY



TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AND ACCURATE.  
GREG A. GILMORE, L.S.  
L.S. NO. 70191  
DATE: 2-11-2021  
NO CORRECTIONS OR EXPRESSIONS OF OPINION ARE BEING MADE BY THE ORIGINAL SURVEYOR OF THIS MAP BEARING THE ORIGINAL SEAL AND SIGNATURE OF THE LAND SURVEYOR.

*Sheena Ruggirello*  
SHEENA RUGGIRELLO, P.E. No. 22591  
ONE

- LEGEND**
- EXISTING CONTOURS
  - - - PROPOSED CONTOURS
  - INLAND WETLANDS FLAG
  - BOUNDARY SETBACK LINE
  - STONE WALL
  - SET FENCE

**PRINCIPLES OF EROSION AND SEDIMENT CONTROL.**

The primary function of sediment control structures is to detain erosion and sediment on the site and reduce runoff velocities. Structures should be placed to intercept runoff before it reaches any sensitive area.

**KEEP LAND UNDISTURBED TO A MINIMUM**

The more land that is in vegetative cover, the more surface water will infiltrate into the soil. This remaining water will infiltrate into the soil, thus reducing runoff. Keeping land undisturbed will reduce runoff volumes. Keeping land undisturbed during any one time, but also the duration of any activity, is the key to sediment control. This includes any construction, earthmoving, or other activities. Planning activities to occur in the same area at the same time is essential. If possible, construction activities should be limited to one particular phase. A sequence should be developed on the premise that the most sensitive areas are protected first. A sequence with time lines applied to it and should address the potential results of activities in a sequence which may be necessary to complete the project. Protect sediment control structures from construction equipment with wheel tracks, tree emerging, and retaining walls or topsoil.

- Route traffic patterns within the site to avoid existing or newly planted vegetation.
- Phase construction so that areas which are actively being developed at any one time are inhibited from being used for other activities.
- Clear any trees or brush on any areas that are to be used before installing storm drainage flow into them.
- Sequence the construction of storm drainage systems so that they are operational as soon as possible.
- Schedule construction so that final grading and stabilization is completed as soon as possible.

**SLOW THE FLOW**

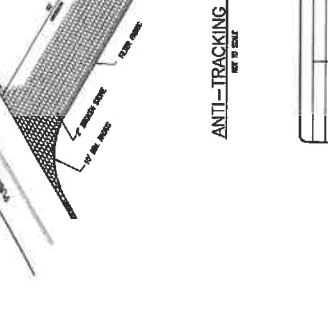
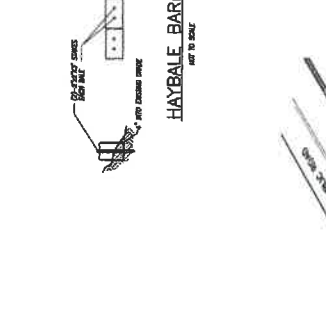
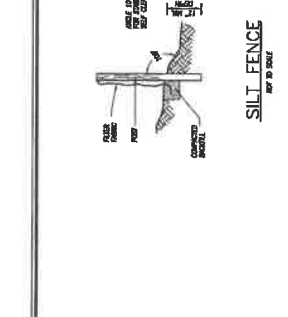
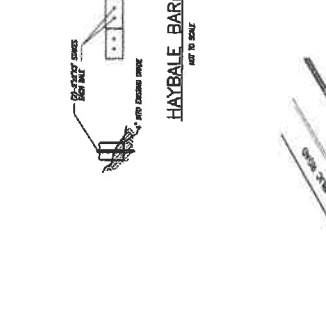
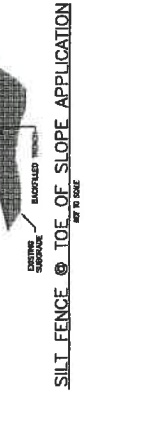
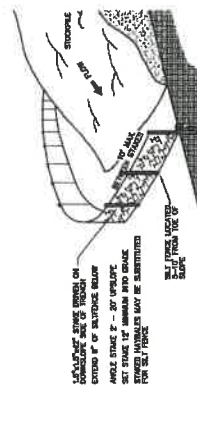
Detachment and transport of eroded soil must be kept to a minimum by absorbing and reducing the available energy of runoff. This can be accomplished by using structures which reduce the velocity and volume of runoff. The volume and velocity of runoff increases during development or a small amount of runoff. Structures that will reduce runoff velocities, reduce erosion, and reduce the amount of sediment and silt that is carried in runoff.

**KEEP CLEAN RUNOFF SEPARATED**

Clean runoff should be kept separated from sediment-laden runoff. This can be accomplished by using structures that will separate clean runoff from sediment-laden runoff. Sediment-laden runoff should be treated before it is discharged into any water body.

**REDUCE ON-SITE POTENTIAL INTERNALLY AND INSTALLED PERIMETER CONTROLS**

While it may seem less complicated to collect all runoff from a site and discharge it into a water body, this is not the best method. A perimeter control system is more effective in reducing runoff velocities, reducing erosion, and reducing the amount of sediment and silt that is carried in runoff. Perimeter controls should be installed on all areas that are to be developed. They should be installed on all areas that are to be developed, and they should be installed on all areas that are to be developed. Perimeter controls should be installed on all areas that are to be developed, and they should be installed on all areas that are to be developed.



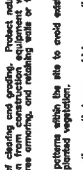
NO.	DATE	DESCRIPTION

**DETAIL SHEET**  
PREPARED FOR  
**SHEENA RUGGIRELLO & NATHANIEL RUGGIRELLO**  
65 STONE ROAD  
KILLINGLY, CONNECTICUT

**REVISIONS**

DATE: 12/16/2020  
SCALE: NOT TO SCALE  
SHEET: 2 OF 2  
DWG: No. CLIENT FILE: 20254

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TOWN OF KILLINGLY



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FEB 18 2021  
PLANNING & ZONING DEPT.  
TOWN OF KILLINGLY

EDWARD MERRILL, JR., P.E. No. 22541 DEC

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FEB 18 2021  
PLANNING & ZONING DEPT.  
TOWN OF KILLINGLY

EDWARD MERRILL, JR., P.E. No. 22541 DEC

**SHEENA RUGGIRELLO & NATHANIEL RUGGIRELLO**  
65 STONE ROAD  
KILLINGLY, CONNECTICUT

**Killingly Engineering Associates**  
Civil Engineering & Surveying  
114 Sherman Road  
Killingly, Connecticut  
www.killinglyeng.com

DATE: 12/16/2020  
SCALE: NOT TO SCALE  
SHEET: 2 OF 2  
DWG: No. CLIENT FILE: 20254