INLAND WETLANDS
COMMISSION
Telephone (203) 563-0180
Fax (203) 563-0284

TOWN HALL
238 Danbury Road
Wilton, Connecticut 06897

APPLICATION FOR A MINOR REGULATED ACTIVITY

For Office Use Only:

WET#_____

Filing Fee $

Wilton Land Record Map# _____

Date of Submission _____

Volume # _____ Page # _____

Date of Acceptance_____

Assessor's Map # _____ Lot# _____

APPLICANT INFORMATION:

Applicant: Kathleen Poirier,AIA

Address 40 Twin Oak Lane
Wilton, CT 06897

Telephone 203-210-5199

Email kpoirier@kparchitects.com

Agent (if applicable) _____

Address _____

Telephone _____

Email _____

PROPERTY INFORMATION:

Property Address 40 Twin Oak Lane

Site Acreage 2.011 AC

Acres of altered Wetlands On-Site 0 acres

Cu. Yds. of Material Excavated 93.7 CY

Linear Feet of Watercourse 0 LF

Cu. Yds. of Material to be Deposited 0 CY

Linear Feet of Open Water 0 LF

Acres of altered upland buffer .0093 acres

Sq. Ft. of proposed and/or altered impervious coverage 347.5 SF

Sq. Ft. of disturbed land in regulated area 407 sf

APPLICATION REQUIREMENTS:

Is The Site Within a Public Water Supply Watershed Boundary? NO x_____YES* _____

Is The Site Within 500 Feet of a Town Boundary? NO x_____ YES*_____

* If the answer is yes, then the applicant is responsible for notifying the appropriate water authority and/or adjoining community's Wetlands Department. Instructions for notification are available at the office of the commission.

Project Description and Purpose: bury electrical line from pole in front yard to house
two 10'x12' two story additions on the front of the house and added steps to front porch
one 6.5'x 14.5' 2nd floor addition on the rear of the house + bluestone patio
on sand setting bed

In addition, the applicant shall provide three (3) collated paper copies of the following information as well as an electronic submission via email to mike.conklin@wiltonct.org & elizabeth.larkin@wiltonct.org **

- ☐ A. Written consent from the owner authorizing the agent to act on his/her behalf
- ☑ B. A Location Map at a scale of 1" = 800'
- ☑ **C. A Site Plan showing existing and proposed features**
- ☑ D. Names and addresses of adjoining property owners

****Application materials shall be collated and copies of documents more than two pages in length shall be double sided.**

See Section 7 of the Wetlands and Watercourses Regulations of the Town of Wilton for a more detailed description of applications requirements.

The Applicant or his/her agent certifies that he is familiar with the information provided in this application and is aware of the penalties for obtaining a permit through deception, inaccurate or misleading information.

By signing this application, permission is hereby given to necessary and proper inspections of the subject property by the Commissioners and designated agents of the Commission or consultants to the Commission, at reasonable times, both before and after a final decision has been rendered.

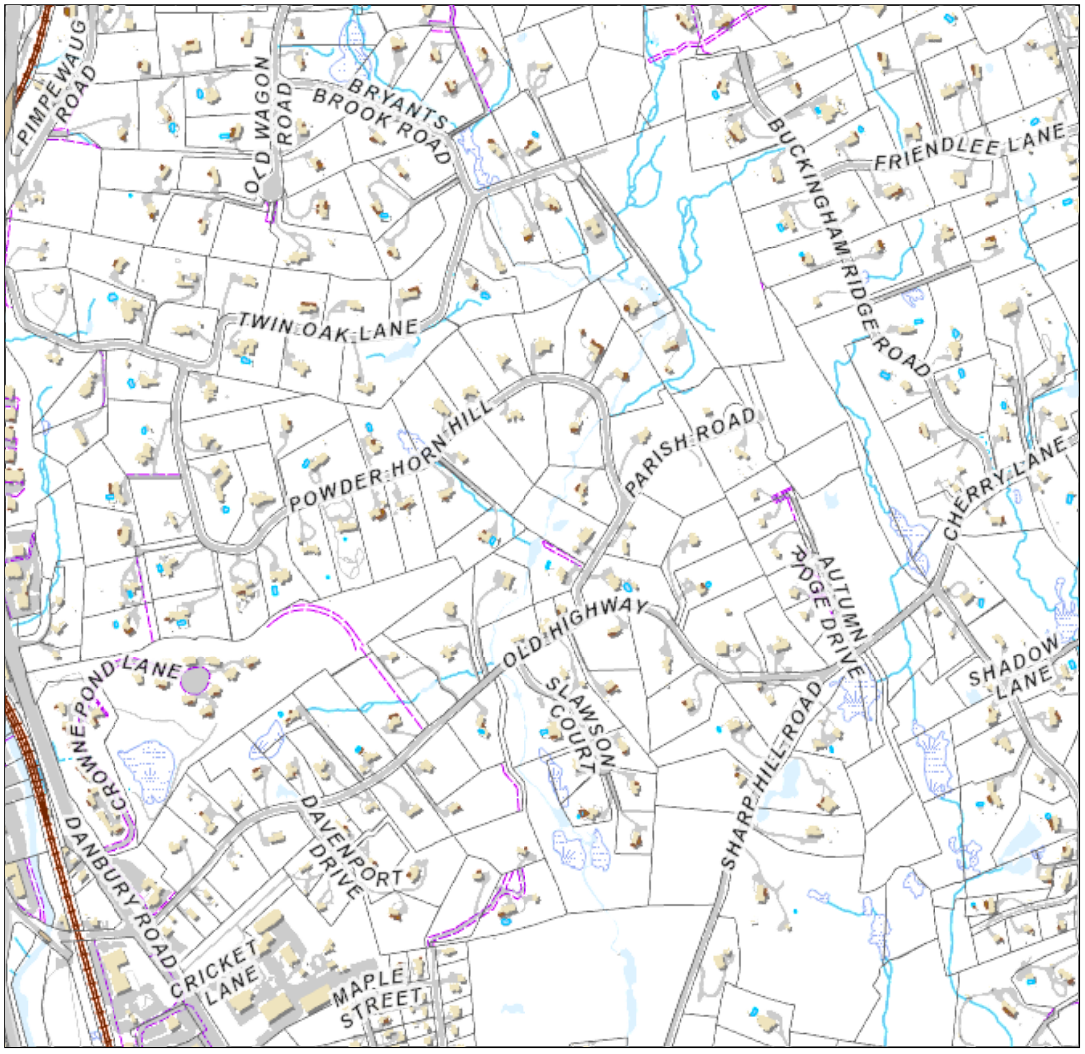
Applicant's Signature: Kathleen Pa... Date: 1/7/2023

Agent's Signature (if applicable): _____ Date: _____

Town of Wilton

Geographic Information System (GIS)

Date Printed: 1/7/2023



MAP DISCLAIMER - NOTICE OF LIABILITY

This map is for assessment purposes only. It is not for legal description or conveyances. All information is subject to verification by any user. The Town of Wilton and its mapping contractors assume no legal responsibility for the information contained herein.

Zoning Effective: July 28, 2017

Planimetrics Updated: 2014

Approximate Scale: 1 inch = 800 feet

0 800 Feet

N W E S

45-1
JEFFEREIS YOHAN & AMY A
30 TWIN OAK LANE
WILTON CT 06897

45-2
POIRIER ROBERT N & KATHLEEN
40 TWIN OAK LA
WILTON CT 06897

45-3
SNYDER JEFFREY J & KRISTY P
54 TWIN OAK LA
WILTON CT 06897

45-4
FITENI JOSEPH J JR & ANN R
3 BRYANTS BROOK RD
WILTON CT 06897

45-11
RUTTKAMP LAUREN E
46 OLD WAGON RD
WILTON CT 06897

45-42
OLOUNABADI SAYED MOUSA AHMADI &
43 TWIN OAK LA
WILTON CT 06897

58-9
SNOW ANDREW B & TARA A
29 TWIN OAK LA
WILTON CT 06897

STEVEN DANZER, PHD & ASSOCIATES LLC
Wetlands & Environmental Consulting
WWW.CTWETLANDSCONSULTING.COM
203 451-8319
WETLAND BOUNDARIES › POND & LAKE MANAGEMENT › CONSTRUCTION FEASIBILITY CONSULTATIONS › ENVIRONMENTAL STUDIES

Soil Report

Date: June 2, 2022

By: Steven Danzer Ph.D.

- Soil Scientist, Senior Professional Wetland Scientist, Arborist
    - Nationally certified by the Soil Science Society of America (#353463).
    - Registered with the Society of Soil Scientists of Southern New England.
    - Certified PWS #1321 by the Society of Wetland Scientists
    - Certified Arborist by the International Society of Arboriculture (ISA) NE-7409A
    - CT Licensed Arborist DEEP S-5639
- Ph.D. in Renewable Natural Resource Studies.

Project: 40 Twin Oak Lane, Wilton, CT.

INTRODUCTION

A wetlands investigation was performed at the above-referenced property to locate and identify any inland wetland soils or watercourses.

The purpose of this report is to document that the field work for the site investigation was conducted using professionally accepted methods and procedures. This report is intended for submission by the owner(s) of the property or their designated agent to the local municipal regulatory agency.

DEFINITIONS

The Connecticut General Statutes Ch. 440 Sections 22a-36 and 22a-45 (as amended) define **inland wetlands** as land, including submerged land (except for tidal wetlands) which consist of any of the soil

types designated by the National Cooperative Soil Survey as *poorly drained, very poorly drained, floodplain, or alluvial*.

Poorly drained and **very poorly drained** are soil drainage classes that are defined by specific technical criteria in the Soil Survey Manual, Ch. 3 of the USDA Natural Resources Conservation Service. Generally speaking, *poorly drained soils* are wet at shallow depths periodically during the growing season, or remain wet for long periods, while in *very poorly drained soils* water is removed from the soil so slowly that free water remains at or very near the ground surface during much of the growing season.

Floodplain refers to the land bordering a stream or river that is subject to flood stage inundation, and **alluvial** refers to soil deposited by concentrated running water (Soil Survey Manual, Part 629).

Watercourses are defined by the Connecticut General Statutes Ch. 440 Sections 22a-36 and 22a-45 (as amended) to include rivers, streams, brooks, waterways, lakes, ponds, marshes, swamps, bogs and all other bodies of water, natural or artificial, vernal or intermittent, public or private. **Intermittent watercourses** are a type of watercourse that typically do not flow year-round, and are specifically defined within the CT statutes by the presence of a defined permanent channel and bank, and the occurrence of two or more of the following characteristics:

a) Evidence of scour, or deposits of recent alluvium or detritus;
b) The presence of standing or flowing water for a duration longer than a particular storm incident;
c) The presence of hydrophytic vegetation.

Uplands are land areas that are not inland wetlands, watercourses, or subject to tides.

The **soil series** is a soil label that refers to the lowest category of the National Soil Classification System. It is used as a specification for identifying and classifying soils within a soil map unit. The descriptions are standardized by the USDA-NRCS, and contain soil properties that define and distinguish them from the other soil series.

METHODS

All soils were sampled to a depth of at least 20 inches with spade and augur unless noted otherwise during a field investigation conducted on June 1, 2022. Soils were classified according to the nomenclature presented within the NRCS Web Soil Survey, with additional reference to the National Cooperative Soil Survey, and the local Soil Survey.

The wetland boundaries were marked on site with flagging tape and/or stakes (Wetland Flags 1-5) and a sketch map prepared (attached).

SITE DESCRIPTION AND DISCUSSION

The approximately 2.0 acre site is located on the north side of Twin Oak Lane in Wilton , CT. Landuse is residential. The site is located within the DEEP Basin 7300-12 within the Norwalk River Subregional Basin as per the DEEP watershed map.

Wetland resources on site included a small depression, measuring roughly 15 feet x 15 feet. It was located at the bottom of what appeared to be a manmade landscape feature previously excavated out of upland soils many years ago. The landscape feature may have been originally a small fish pool. It now essentially functions as a rain garden, receiving runoff from the adjacent yard and maybe from the road. The underlying soils within the flagged area were in the process of transitioning to wetland soils due to the collected water over the years. The adjacent soils within the old landscape feature outside of the flagged low spot were demonstrably upland.

DATA AND RESULTS

WETLAND AND WATERCOURSE SOIL MAPPING UNITS

Aquents

Aquents are disturbed or altered soils due to cutting and filling by humans.

UPLAND (NON WETLAND) SOIL MAPPING UNITS

(73C) Charlton- Chatfield complex, 3 to 15 percent slopes, very rocky - around existing residence,

The Charlton series consists of very deep, well drained loamy soils formed in till derived from parent materials that are very low in iron sulfides. They are nearly level to very steep soils on till plains and hills. Slope ranges from 0 to 50 percent. Saturated hydraulic conductivity is moderately high or high. Mean annual temperature is about 10 degrees C and mean annual precipitation is about 1194 mm. TAXONOMIC CLASS: Coarse-loamy, mixed, active, mesic Typic Dystrudepts

The Chatfield series consists of well drained and somewhat excessively drained soils formed in till derived from parent materials that are very low in iron sulfides. They are moderately deep to bedrock. They are nearly level through very steep soils on glaciated plains, hills, and ridges. Slope ranges from 0 through 70 percent. Crystalline bedrock is at depths of 20 to 40 inches (50 through 100 centimeters). Saturated hydraulic conductivity is moderately high or high in the mineral soil. Mean annual

temperature is 51 degrees F (11 degrees C) and mean annual precipitation is 38 inches (1194 millimeters).
TAXONOMIC CLASS: Coarse-loamy, mixed, superactive, mesic Typic Dystrudepts

---

LIMITATIONS
All observations and conclusions within this report are opinion and were based upon the field conditions at time of investigation and best professional judgment. Field conditions may change over time. All wetland boundary lines established by the undersigned Soil Scientist are subject to change until officially adopted by the appropriate local, state and federal regulatory agencies.

CERTIFICATION

Reviewed and Signed,
Steven Danzer Ph.D., Certified Professional Soil Scientist (CPSS #353463)

CPSS
Certified Professional Soil Scientist

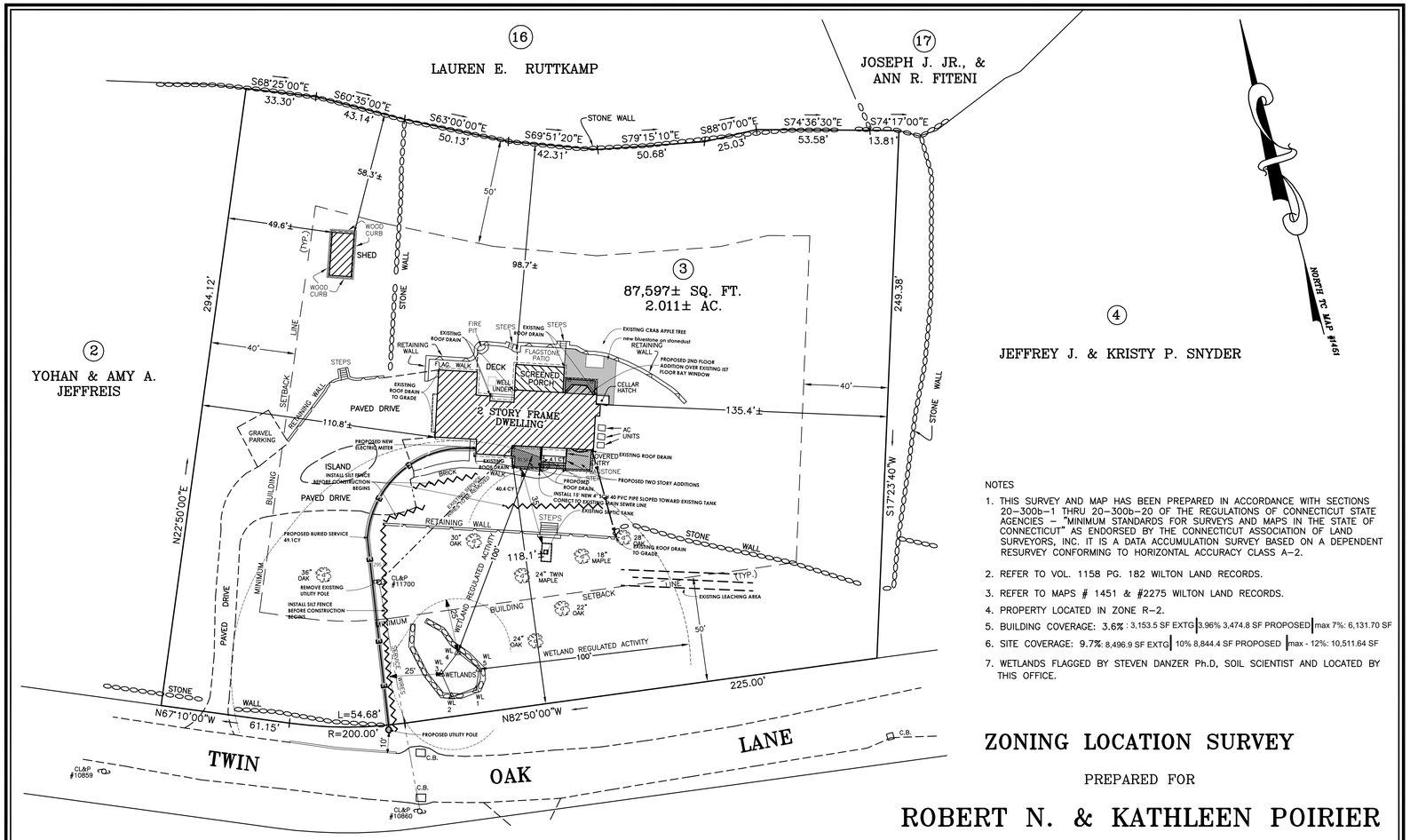
40 Twin Oak Lane, Wilton, CT

Sketch Map - not to scale
See report for methods
Steven Danzer Ph.D., Soil Scientist
Steven Danzer Ph.D. & Associates LLC
203-451-8319
www.CTWetlandsConsulting.com

0 30 60 120 Feet

1 inch = 60 feet

North



NOTES

1. THIS SURVEY AND MAP HAS BEEN PREPARED IN ACCORDANCE WITH SECTIONS 20–300b–1 THRU 20–300b–20 OF THE REGULATIONS OF CONNECTICUT STATE AGENCIES – "MINIMUM STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ENDORSED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. IT IS A DATA ACCUMULATION SURVEY BASED ON A DEPENDENT RESURVEY CONFORMING TO HORIZONTAL ACCURACY CLASS A–2.
2. REFER TO VOL. 1158 PG. 182 WILTON LAND RECORDS.
3. REFER TO MAPS # 1451 & #2275 WILTON LAND RECORDS.
4. PROPERTY LOCATED IN ZONE R–2.
5. BUILDING COVERAGE: 3.6% : 3,153.5 SF EXTG | 3.96% 3,474.8 SF PROPOSED | max 7%: 6,131.70 SF
6. SITE COVERAGE: 9.7% 8,496.9 SF EXTG | 10% 8,844.4 SF PROPOSED | max - 12%: 10,511.64 SF
7. WETLANDS FLAGGED BY STEVEN DANZER Ph.D, SOIL SCIENTIST AND LOCATED BY THIS OFFICE.

ZONING LOCATION SURVEY

PREPARED FOR

ROBERT N. & KATHLEEN POIRIER

WILTON, CONNECTICUT

SCALE: 1" = 30' JUNE 10, 2022

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

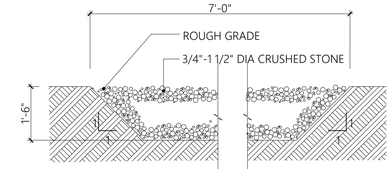
"TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON".

CHARLES C. FARNSWORTH L.L.S.
CONN. REG. #15768

JOHN M. FARNSWORTH & ASSOCIATES
26 STUART ROAD WEST BRIDGEWATER, CT 06752
PH: 860–354–1251
EMAIL – charlesfarnsworth@charter.net

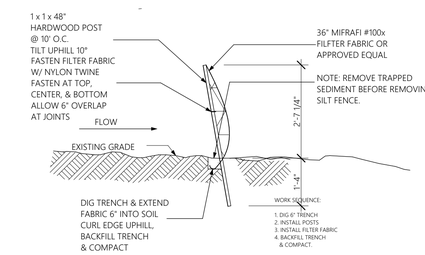
STATE OF CONNECTICUT CHARLES C. FARNSWORTH 15768 LICENSED LAND SURVEYOR

PROPOSED WORK ADDED BY:
KATHLEEN POIRIER ARCHITECTS, LLC
DATE: 01/08/2023



NOTE:
PLACE @ INTERSECTIONS WITH PAVED ROAD LEADING OFF-SITE

A1 ANTI-TRACKING BED
ā" = 1'-0"



A2 SILT FENCE DETAIL
ā" = 1'-0"

Kathleen Poirier Architects, LLC
40 Twin Oak Lane
Wilton, CT 06897

phone: 203-210-5199
CELL: 203-807-0589

kpoirier@kparchitects.com
www.kparchitects.com

Poirier Residence
40 Twin Oak Lane Wilton CT 068977

REV	DATE	DESCRIPTION

Drawing:
SURVEY WITH PROPOSED ADDED

scale	date issued
1" = 30', 1' = 1'-0', 1/2" = 1'-0"	1/9/2023

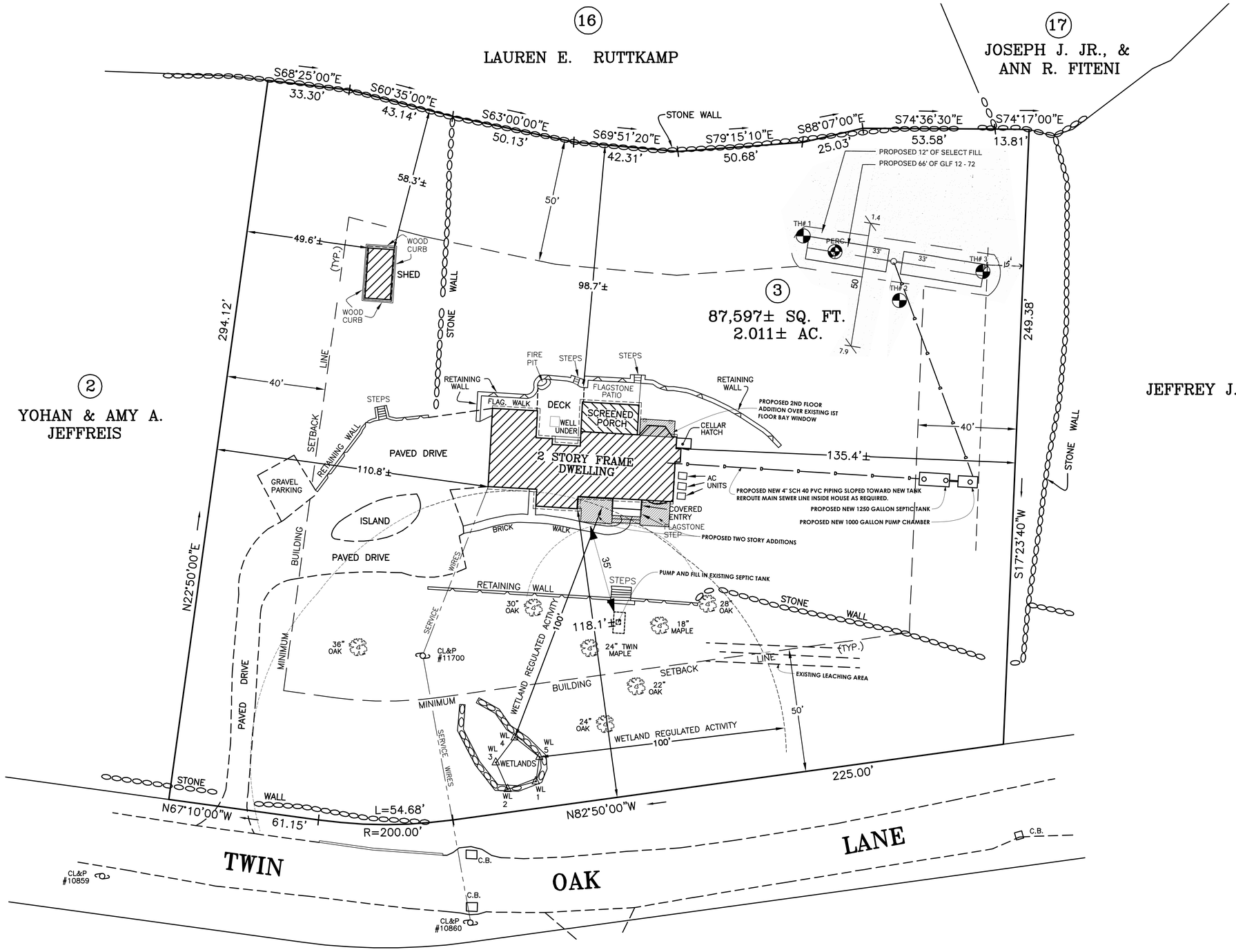
Drawing No.:
SP-1

STATE OF CONNECTICUT KATHLEEN POIRIER No. 6544 LICENSED ARCHITECT

OWNERSHIP AND CONSTRUCTION OF USE:

DRAWINGS AND SPECIFICATIONS, AS INSTRUMENTS OF PROFESSIONAL SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. DOCUMENTS ARE NOT TO BE USED IN WHOLE OR IN PART, FOR OTHER PROJECTS OR ADDITIONS TO THIS PROJECT BY THE OWNER OR OTHERS WITHOUT THE ARCHITECT'S WRITTEN PERMISSION OR ACKNOWLEDGEMENT OF THE ARCHITECTS. THE USE OF THIS DOCUMENT IS CONTINGENT UPON PAYMENT TO THE ARCHITECT FOR SERVICES RENDERED. NON-PAYMENT SHALL GIVE THE ARCHITECT THE AUTHORITY TO HAVE DOCUMENT USE BY OTHERS STOPPED BY SERVICE OF WRITTEN NOTICE. THE OWNER SHALL INDEMNIFY THE ARCHITECT AGAINST ANY CLAIMS ARISING OUTSIDE OF THE ARCHITECT'S WRITTEN NOTICE TO CEASE BORROWING, EXISTING PLAN VARIANCE AND DUE AND PAYABLE UPON RECEIPT. THE OWNER SHALL INDEMNIFY THE ARCHITECT AGAINST ANY CLAIMS ALLEGING DAMAGES DUE TO THE USE OF THIS DOCUMENT IN THE EVENT OF NON-PAYMENT. THE ARCHITECT'S FEE IS DUE UPON RECEIPT OF PAYMENT. CONTRACTORS MUST CHECK ALL DIMENSIONS ON SITE. ONLY FIGURED DIMENSIONS ARE TO BE WORKED FROM. DISCREPANCIES MUST BE REPORTED IMMEDIATELY TO THE ARCHITECT BEFORE PROCEEDING.

THIS DRAWING IS COPYRIGHT



CODE COMPLYING AREA

5 BEDROOM HOUSE 1"/10 Min. Perc. 13%SLOPE

660 SQUARE FEET REQUIRED

PROPOSED 66' OF GLF 12-72
66' X 10.1 SQFT/LF = 666.6 SQ. FT. TOTAL

MLSS.

FLOW FACTOR	2.00
PERC. FACTOR	1.00
HYDRAULIC FACTOR	24

2.00 X 1.00 X 14 = 48.00' MLSS

AVERAGE RESTRICT LAYER

UPGRADIENT: TH#1 & TH#3
35" + 37" = 72"/2 = 36.0"

DOWNGRADIENT: TH#2
24"/1 = 24"
36" + 24" = 60"/2 =30" AVERAGE RESTRIC. LAYER

TEST HOLE DATA

TH#1

0" - 2"	Topsoil
2" - 35"	Red/Brown Fine Sandy Loam
35" - 58"	Tan Grey Sandy Loam with Rocks & Moderate Compact
35" -	Hardpan
58" -	Ledge
35" -	Restric Layer

TH#2

0" - 3"	Topsoil
3" - 24"	Red/Brown Sandy Loam
24" - 58"	Tan Coarse Sandy Hardpan
28" -	Ledge
24" -	Hardpan
24" -	Restric. Layer

TH#3

0" - 7"	Topsoil
7" - 24"	Red/Brown Sandy Loam
24" - 37"	Tan Coarse Sandy Hardpan
37" - 67"	Moderate Compact Sandy Hardpan
37" -	Hardpan
37" -	Restric. Layer

PERC DATA

8" ROUND / 20" DEEP

TIME	DROP
12:00	4.50"
12:10	9.75"
12:20	12.25"
12:30	13.50"
12:40	14.50"
12:50	15.50"
1:00	16.50"

1/10 MIN. PERC.

NOTE:
1. THERE ARE NO WELLS OR SEPTIC SYSTEMS WITHIN 75' OF THE PROPOSED SEPTIC SYSTEM.
2. FIGURED DIMENSIONS ARE TO BE TAKEN IN PREFERENCE TO SCALING.

D. PALLADINO & SON SEPTIC CO. INC.
P.O.BOX 968 NEW CANAAN CT 06840
TEL: (203)966-9349
LICENSE #004053

"TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON".

CHARLES C. FARNSWORTH L.L.S.
CONN. REG. #15768

JOHN M. FARNSWORTH & ASSOCIATES
26 STUART ROAD WEST BRIDGEWATER, CT 06752
PH: 860-354-1251
EMAIL – charlesfarnsworth@charter.net

STATE OF CONNECTICUT CHARLES C. FARNSWORTH 15768 LICENSED LAND SURVEYOR

STATE OF CONNECTICUT KATHLEEN POIRIER No. 5544 LICENSED ARCHITECT

PROPOSED WORK ADDED BY:
KATHLEEN POIRIER ARCHITECTS, LLC
DATE: 09/28/2022

ROBERT N. & KATHLEEN POIRER
40 TWIN OAK LANE
WILTON CT.

B100a Plan

DATE: 03/10/2022
SCALE: 1" = 20' - 0"
DRAW. NO. P1810