

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



TOWN HALL
238 Danbury Road
Wilton, Connecticut 06897

APPLICATION FOR AN INTERMEDIATE REGULATED ACTIVITY

For Office Use Only:

Filing Fee \$ _____	WET# _____
Date of Submission _____	Wilton Land Record Map# _____
Date of Acceptance _____	Volume # _____ Page # _____
	Assessor's Map # _____ Lot# _____

APPLICANT INFORMATION:

Applicant Matthew Gallo
Address 47 Shadow Lane
Wilton, CT 06897
Telephone 203-451-4416
Email mgallo80@gmail.com

Agent (if applicable) _____
Address _____
Telephone _____
Email _____

PROJECT INFORMATION:

Property Address 47 Shadow Lane, Wilton CT
Acres of altered Wetlands On-Site 0.0 Acres
Linear Feet of Watercourse 132 LF - not located in disturbance area
Linear Feet of Open Water N/A
Sq. Ft. of proposed and/or altered impervious coverage 0 sq ft

Site Acreage 2.03 acres
Cu. Yds. of Material Excavated 8
Cu. Yds. of Material to be Deposited 0
Acres of altered upland buffer 0
Sq. Ft. of disturbed land in regulated area 40 sq ft

APPLICATION REQUIREMENTS:

Is The Site Within a Public Water Supply
Watershed Boundary? NO ☒ YES* ☐

Is The Site Within 500 Feet of a Town Boundary?
NO ☒ 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: Replace cracked septic tank

In addition, the applicant shall provide nine (9) collated 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 at a scale not to exceed 1" = 40'***
- ☐ D. Sketch Plans depicting the alternatives considered
- ☒ E. Names and addresses of adjoining property owners
- ☒ F. A narrative describing, in detail
 - a. the proposed activity
 - b. the alternatives considered
 - c. impacts
 - d. proposed mitigation measures
- ☒ G. Soils Report prepared by a Certified Soil Scientist and Wetlands Map prepared by a Registered Land Surveyor
- ☐ H. Description of the chemical and physical characteristics of fill material to be used in the Regulated Area
- ☐ I. Description and maps detailing the watershed of the Regulated Area
- ☒ J. One original application and eight (8) copies

****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:  Date: 8/22/23

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

Proposed Septic Tank Replacement

For: Mr. and Mrs Gallo
Site Address: 47 Shadow Ln, Wilton, CT 06897
Date: July 31, 2023

By: Andersons Septic Service
PH#: 203-846-2255
140 Kellogg Dr, Wilton, CT 06897
Brian Andronaco
License #5113

Scale- 1" = 60'

Existing 4 Bedroom residence

- Pump, crush and fill existing compromised 1000gal septic tank
- Install new 1250 Gallon 2 compartment septic tank suitable for 4-5 bedroom residence
 - Outlet filter
 - SCH 40 4" PVC from main waste line with steel banded FERNCO
 - Cleanout if necessary
 - SDR 35 4" PVC outlet to existing pump chamber
 - Risers and kid catchers as needed
- No wells within 75'
- No geothermal wells
- +15' (up-gradient) & 25' (down gradient) from property lines
- +10' from residence
- No footing drains
- No groundwater drains within 25'
- No buried tanks

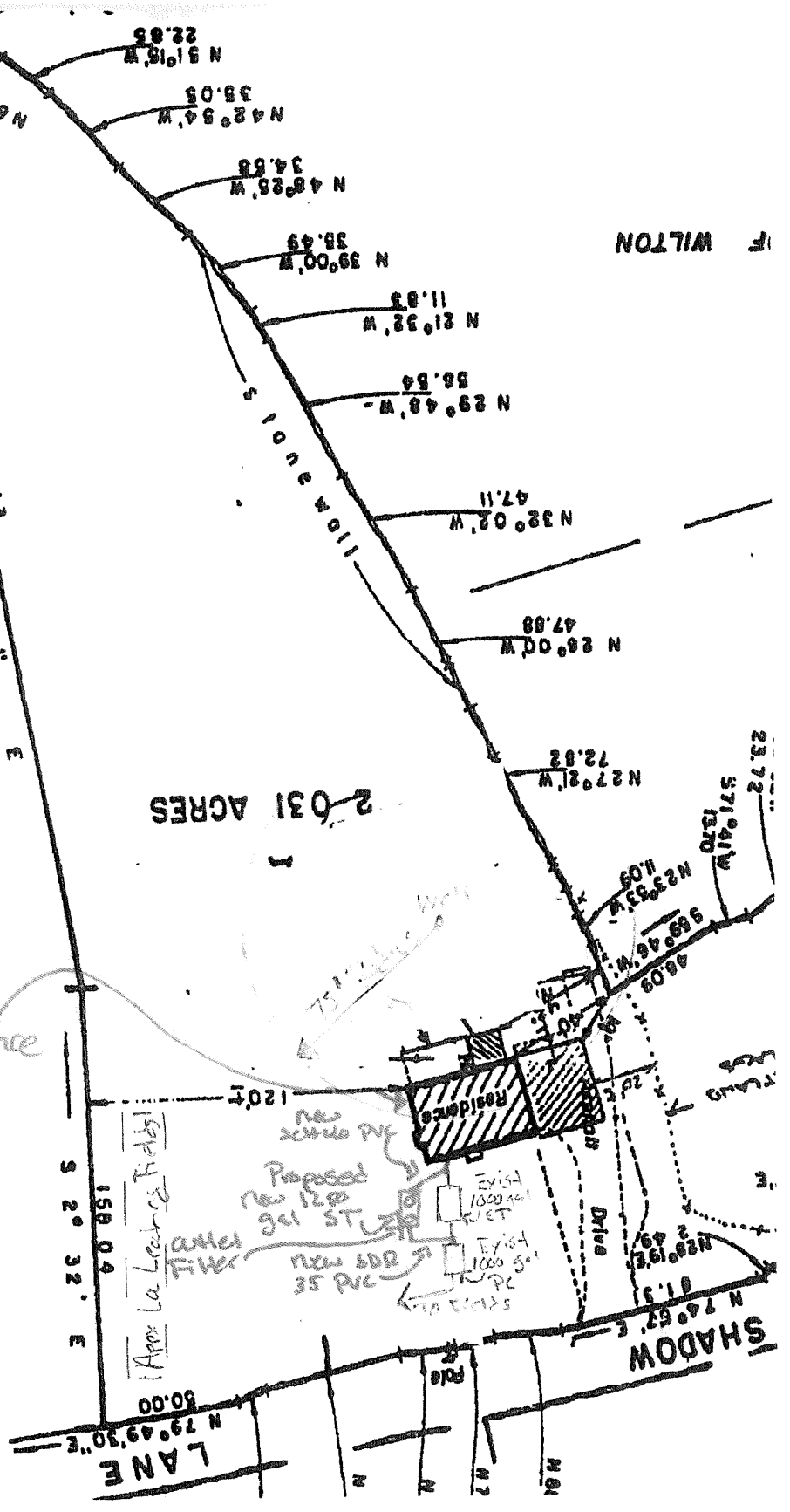
F. WILTON

ISRAEL B. NANCY
CHAPA

2.031 ACRES

Existing
4 BR Residence

Scale
1" = 60'



Adjacent Owners of Property
47 Shadow Lane
Wilton, Connecticut
Map/Lot Number 31-50-0-0

Parcel ID	Site Address	Owner Name	Mailing Address	Mailing City	Mailing State	Mailing Zip
31-49	45 SHADOW LA	WEST KIMBERLY A & JAMES	45 SHADOW LA	WILTON	CT	06897-0000
31-51	51 SHADOW LA	WILLIAMS THOMAS EDWARD JR &	51 SHADOW LA	WILTON	CT	06897-0000
31-53	CHERRY LA	WILTON TOWN OF	238 DANBURY RD	WILTON	CT	06897-0000

FIGURE 1: 47 Shadow Lane, Wilton, CT

Town GIS Aerial Photo Showing the Approximate Location of Wetland and Property Boundaries.

Town of Wilton

Geographic Information System (GIS)



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 = 75 feet

0 75
Feet

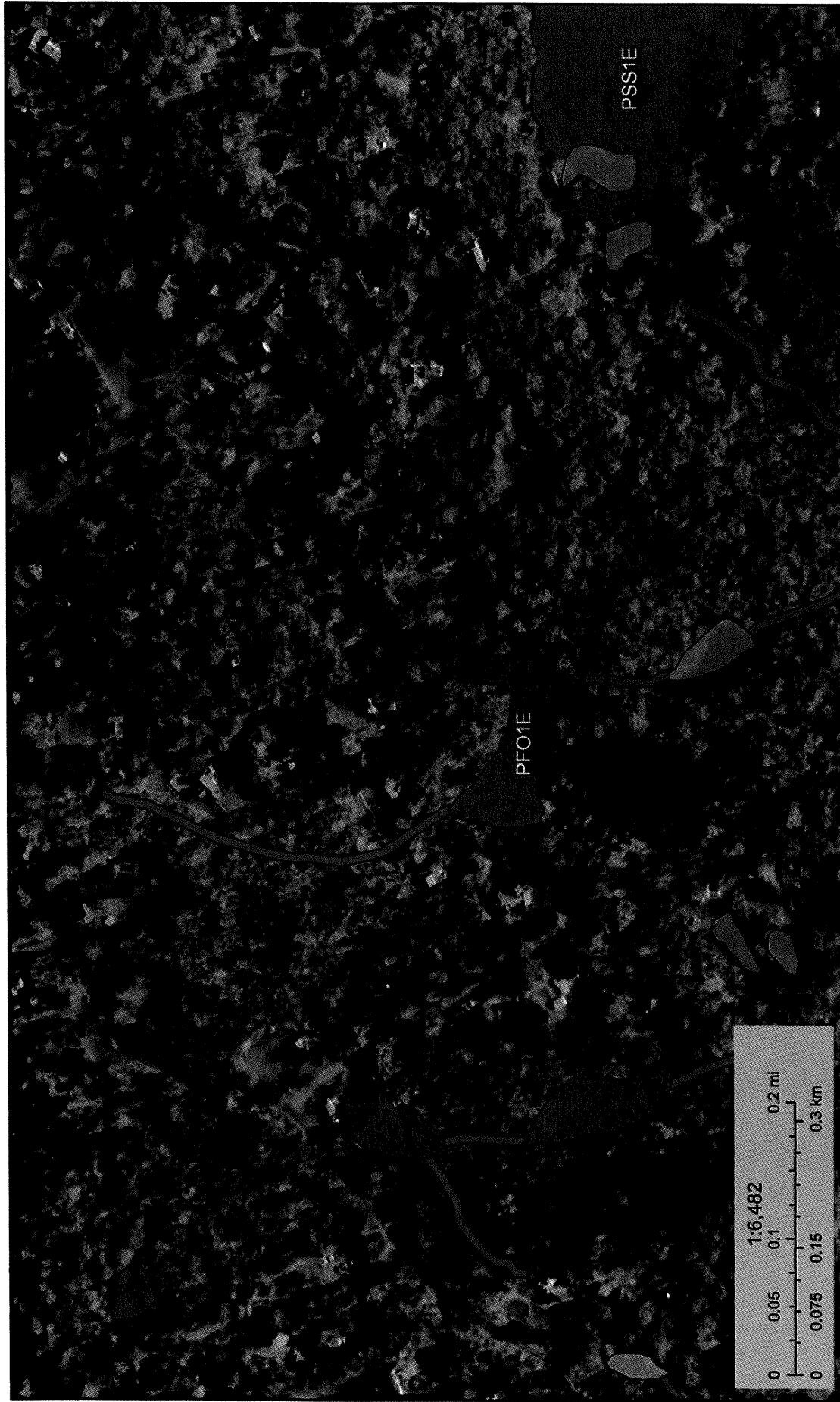




U.S. Fish and Wildlife Service

National Wetlands Inventory

FIG 2: 47 Shadow Lane, Wilton, CT



February 22, 2021

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

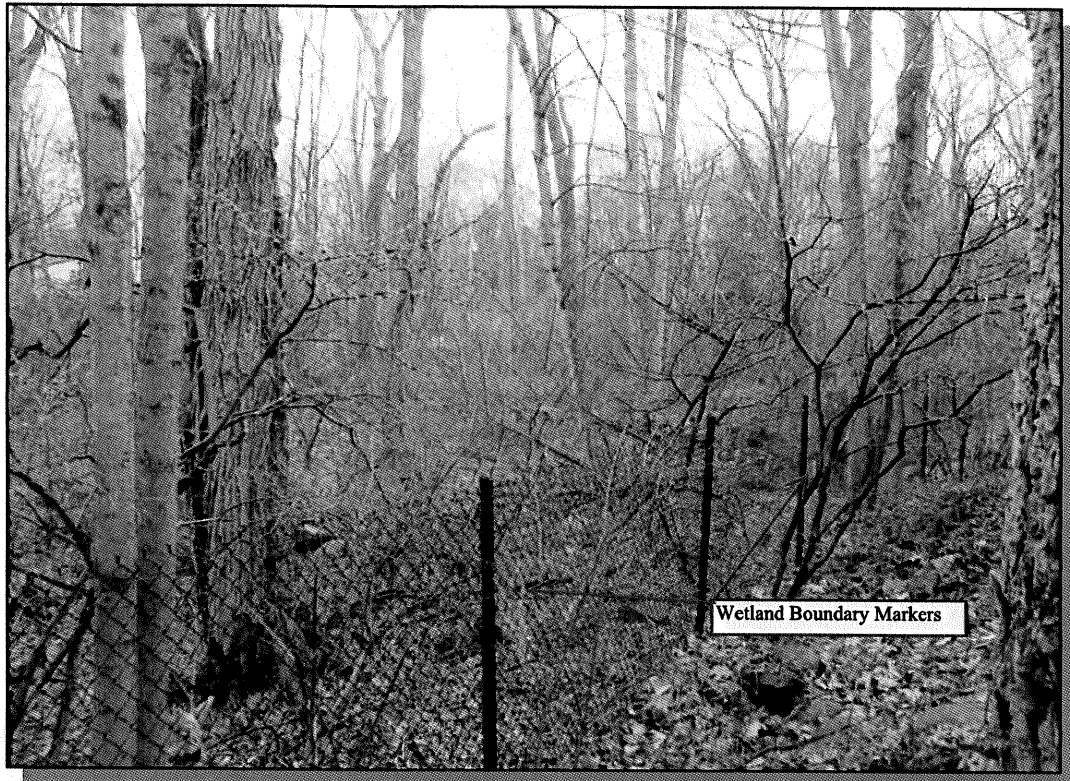


Photo 1: View of off-site regulated wetlands adjacent to the southwestern property line (JMM photo taken 12/14/2020); facing northwesterly



Photo 2: View of off-site regulated wetlands adjacent to the southwestern property line (JMM photo taken 12/14/2020); facing northeasterly

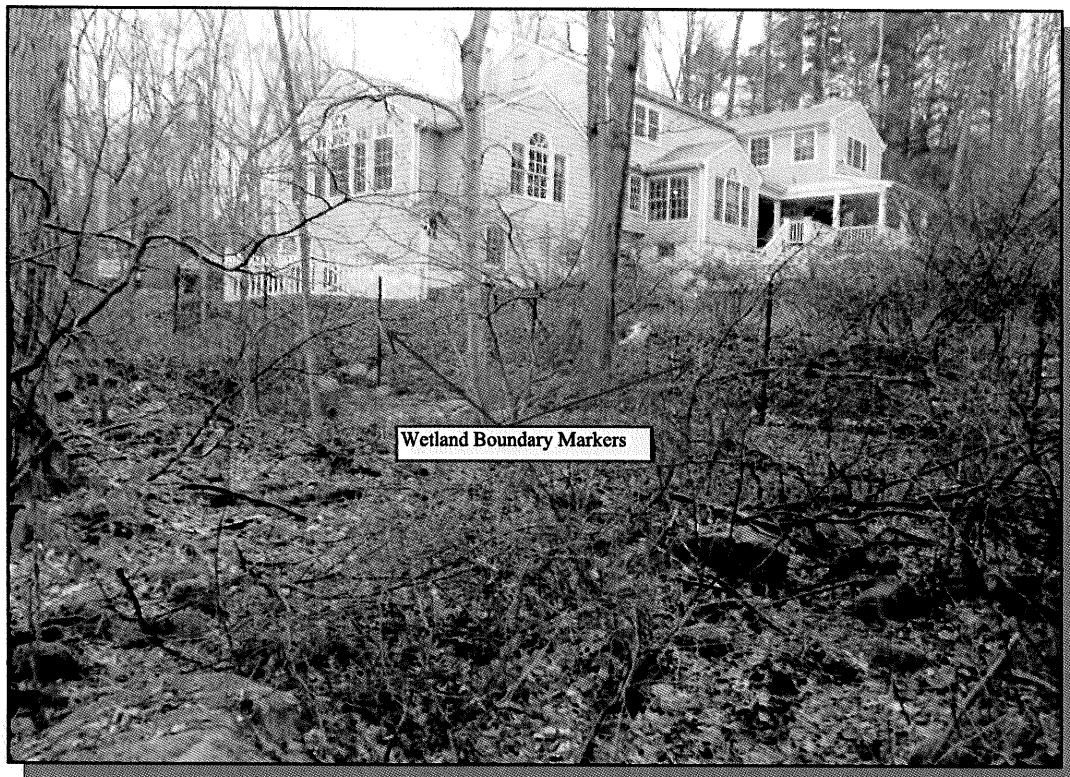


Photo 3: View of off-site regulated wetlands adjacent to the western property line (JMM photo taken 12/14/2020); facing northeasterly



Photo 4: View of off-site perennial watercourse (JMM photo taken 12/14/2020); facing southwesterly



Photo 5: View of off-site regulated wetlands adjacent to the southwestern property line (JMM photo taken 12/14/2020); facing southwesterly



Photo 6: View of off-site regulated wetland west of the western property line (JMM photo taken 12/14/2020); facing easterly

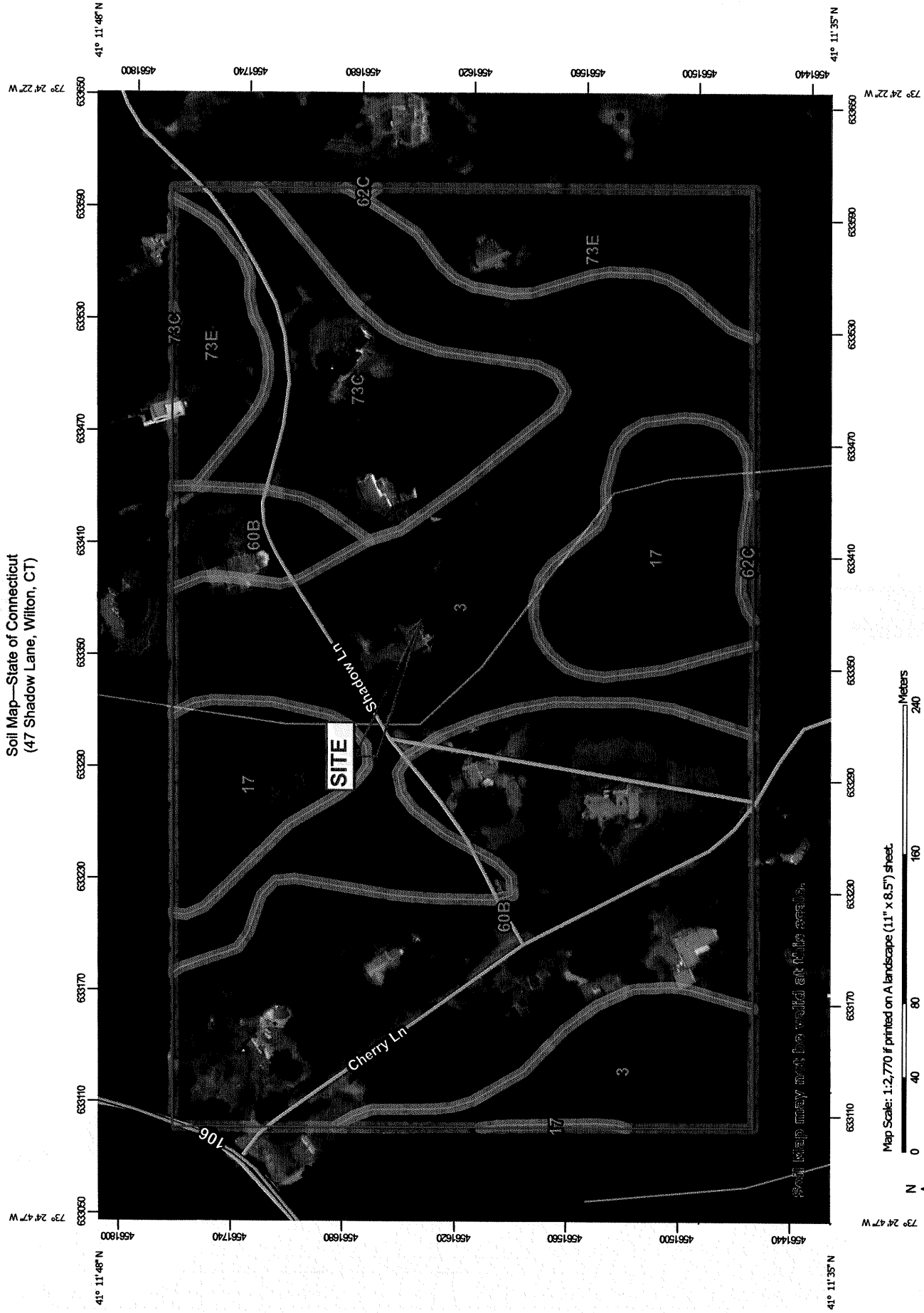


Photo 7: View of off-site wetlands/perennial watercourse (JMM photo taken 12/14/2020); facing southwesterly







































Photo 8: View of on-site regulated wetlands within the northwestern part of site (JMM photo taken 12/14/2020); facing northwesterly

Soil Map—State of Connecticut
(47 Shadow Lane, Wilton, CT)



MAP LEGEND

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

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 20, Jun 9, 2020

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

Date(s) aerial images were photographed: Dec 31, 2009—Oct 5, 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	13.7	35.3%
17	Timakwa and Natchaug soils, 0 to 2 percent slopes	4.9	12.6%
60B	Canton and Charlton fine sandy loams, 3 to 8 percent slopes	12.2	31.3%
62C	Canton and Charlton fine sandy loams, 3 to 15 percent slopes, extremely stony	0.1	0.3%
73C	Charlton-Chatfield complex, 0 to 15 percent slopes, very rocky	4.2	10.8%
73E	Charlton-Chatfield complex, 15 to 45 percent slopes, very rocky	3.8	9.8%
Totals for Area of Interest		38.9	100.0%

PFIZER – JÄHNIG
ENVIRONMENTAL CONSULTING

December 12, 2020

Wetland Delineation Report

Gallo Residence
47 Shadow Lane
Wilton, Connecticut

Introduction:

A wetland delineation was conducted at 47 Shadow Lane on December 6, 2020 by Mary Jaehnig, soil scientist. The 2+ acre parcel is located to the south of Shadow Lane and supports a single family dwelling.

The topography ascends from west to east. Chestnut Hill Brook flows from north to south through a portion of the site. The edge of wetland follows the stonewall that defines most of the western property line. The edge of wetland was flagged in the field using chronologically labeled pink ribbon or pink wire stakes, number 1 to 21.

The Inland Wetlands and Watercourses Act (Connecticut General Statutes 22a-38) defines inland wetlands as "land...which consists of any soil types designated as poorly drained, very poorly drained, alluvial, and floodplain." Watercourses are defined in the act as "rivers, streams, brooks, waterways, lakes, ponds, marshes, swamps, bogs and all other bodies of water, natural or artificial, vernal or intermittent, public or private, which are contained within, flow through or border upon the state or any portion thereof." The act defines intermittent watercourses as having 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, and C) the presence of hydrophytic vegetation.

Soils:

Soil samples were obtained using an auger. Features noted include color, texture and depth to wetland indicators. Soils were classified according to guidelines established by the USDA NRCS.

The upland soil is Charlton-Chatfield complex, very rocky. This unit is formed in glacial till and consists of the deep and well drained Charlton

PFIZER – JÄHNIG
ENVIRONMENTAL CONSULTING

loam and the moderately deep and well drained Chatfield loam in an undulating landscape with stones, boulders and areas of exposed bedrock.

The depth to bedrock in Charlton loam usually exceeds 5 feet below grade and averages 20 to 40 inches below grade in Chatfield loam. The depth to the water table for both loams usually exceeds 80 inches below grade.

The wetland soil on site is Ridgebury, Leicester and Whitman, extremely stony. This unit is deep and consists of poorly and very poorly drained soils with stones covering much of the surface. The water table is located close to the surface from fall through spring.

Submitted by,



Mary Jaehnig
soil scientist

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ENVIRONMENTAL CONSULTING

March 22, 2021

Test Pit Investigation
47 Shadow Lane
Wilton, CT

Three test pits were dug by an excavator on March 16, 2021, see sketch for locations. The pits were dug in light woods, sloping, in native soil.

The soil unit in all three pits is Charlton fine sandy loam.

TP1

Depth	Horizon	Color	Texture
00-08"	A	10YR2/2 v. dk brown	f. sandy loam
08-47"	B	10YR5/6 yellowish brown	sandy loam, 20% rounded cobbles, 3-10"
47-77"	C	10YR6/3 pale brown	sandy loam, 50% cobbles rounded

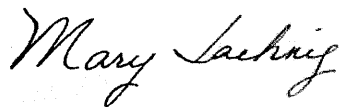
TP2

00-07"	A	10YR3/2 v. dk grayish br.	f. sandy loam
07-50"	B	7.5YR5/6 strong brown	sandy loam, 10% rounded cobbles, 3-8"
50"-81"	C	10YR6/3 pale brown	sandy loam, 30% cobbles, 3-10", rounded

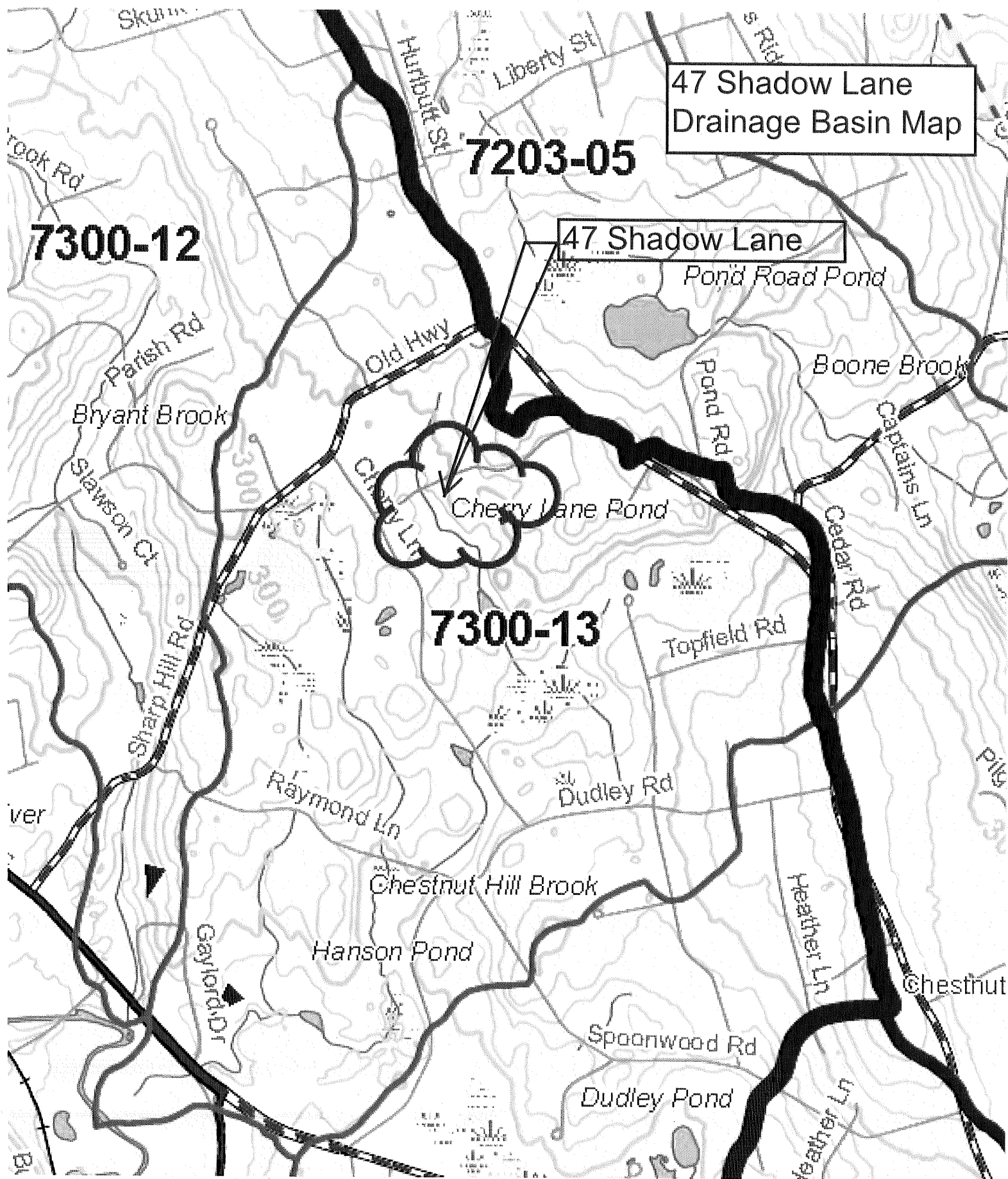
TP3

00-08"	A	10YR3/2 v. dk grayish br.	f. sandy loam
08-46"	B	7.5YR5/6 strong brown	sandy loam, 10%, v. rounded 3-6"
46-72"	C	10YR6/3 pale brown	sandy loam with sand lenses 30% cobbles, 3-10", rounded

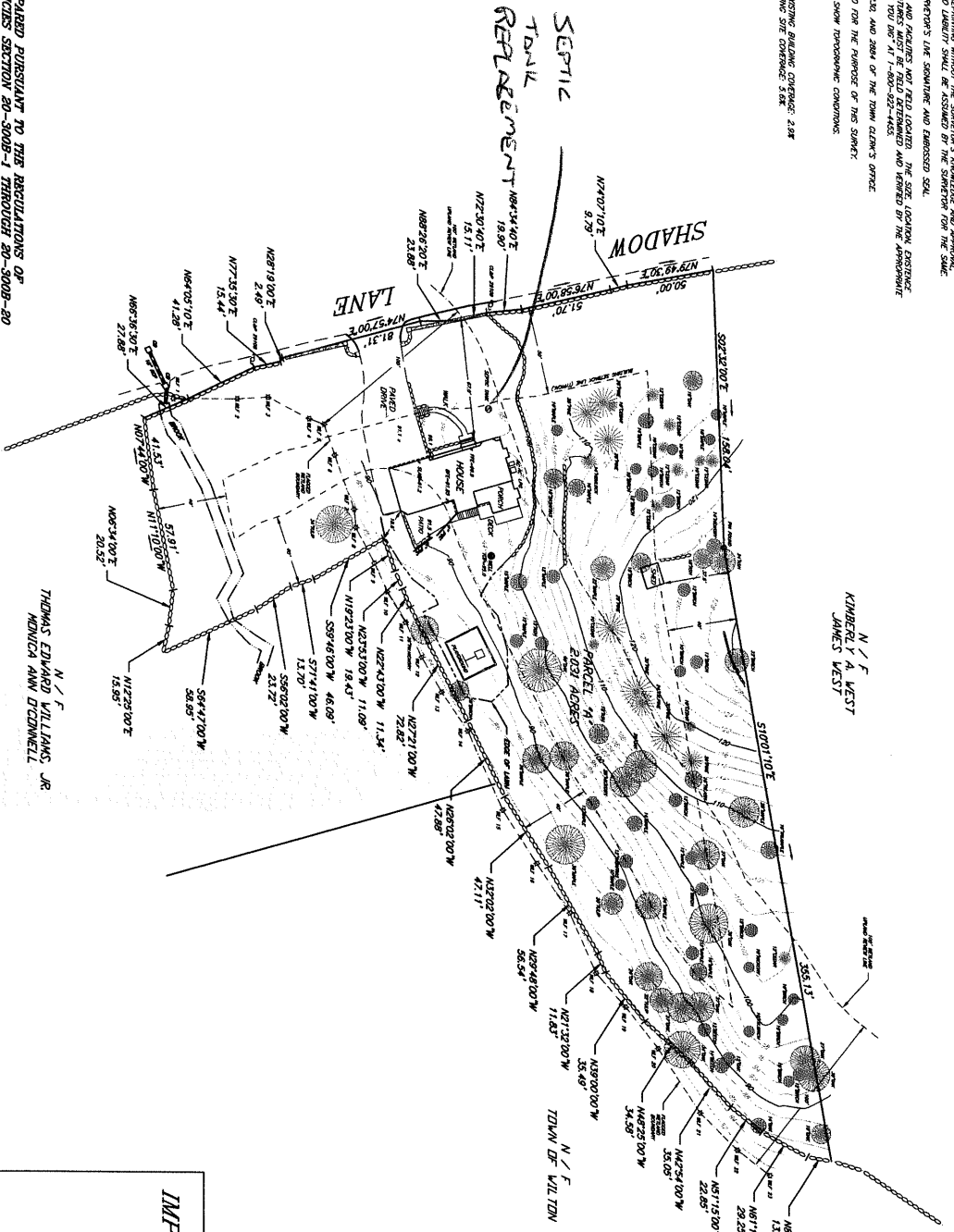
Sincerely,



Mary Jaehnig
soil scientist



NOTES:
 ANY RECONSTRUCTION, ALTERATION, OR REMOVAL WITHOUT THE SURVEYOR'S KNOWLEDGE AND APPROVAL, WILL VOID ANY GUARANTEES, AND NO LIABILITY SHALL BE ASSUMED BY THE SURVEYOR FOR THE SAME.
 THIS MAP NOT BEING WITHOUT THE SURVEYOR'S LINE SOWING AND EMBOSSED SEAL.
 UNDERGROUND UTILITIES, STRUCTURES, AND FACILITIES NOT FIELD LOCATED. THE SIZE, LOCATION, EXISTENCE, OR NON-EXISTENCE OF ALL SUCH FEATURES MUST BE FIELD DETERMINED AND RECORDED BY THE APPROPRIATE ADJACENT OWNER. CALL BEFORE YOU DIG AT 1-800-322-4444.
 REFERENCE MADE TO MAPS #1481, 2238, AND 2044 OF THE TOWN CLERK'S OFFICE.
 ENCLOSURES, IF ANY, NOT LOCATED FOR THE PURPOSE OF THIS SURVEY.
 THE PURPOSE OF THIS SURVEY IS TO SHOW TOPOGRAPHIC CONTOURS.
 HORIZONTAL DATUM ASSUMED: CONTIGUOUS INTERVAL: 2 FEET.
 VERTICAL DATUM ASSUMED: MEAN SEA LEVEL.
 MINIMUM BUILDING COVERAGE: 75%. EXISTING BUILDING COVERAGE: 2.5%
 MINIMUM SITE COVERAGE: 12%. EXISTING SITE COVERAGE: 5.0%



THIS MAP HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF THE CONNECTICUT STATE AGENCIES SECTION 20-300B-1 THROUGH 20-300B-20 AND THE STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 28, 1996, AMENDED OCTOBER 26, 2018.
 SURVEY TYPE: IMPROVEMENT LOCATION SURVEY
 BOUNDARY DETERMINATION CATEGORY: RESURVEY
 CLASS OF ACCURACY: 4-2 / 1-2
 TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON
 CERTIFIED BY: *John A. Staller*
 ROGER A. STALLER, L.S. # 70008

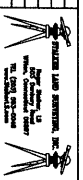


PDF COPY

NO.	DATE	DESCRIPTION	BY



IMPROVEMENT LOCATION SURVEY
 47 SHADOW LANE
 ZONE: R-2
 WILTON, CONNECTICUT
 PREPARED FOR
 MATTHEW GALLO
 AND
 JACLYN GALLO
 JANUARY 22, 2021



DRAWN BY: RAS	DATE: 1-22-2021
CHECKED BY: RAS	DRAWING NO.: 47 SHADOW
APP. NO.: 0042021	SHEET 1 OF 1