

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:

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

APPLICANT INFORMATION:

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

PROJECT INFORMATION:

Property Address _____	Site Acreage _____
Acres of altered Wetlands On-Site _____	Cu. Yds. of Material Excavated _____
Linear Feet of Watercourse _____	Cu. Yds. of Material to be Deposited _____
Linear Feet of Open Water _____	Acres of altered upland buffer _____
Sq. Ft. of proposed and/or altered impervious coverage _____	Sq. Ft. of disturbed land in regulated area _____

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: _____

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: _____

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

LETTER OF AUTHORIZATION

To Whom It May Concern:

I hereby declare the following:

1. That I am the Owner of the premises described as follows:

20 Old Driftway	Wilton	CT	R-2A
Street	City	State	Zone

2. That Joseph R. Cugno of Cugno Architecture LLC is duly authorized for and on behalf of the Owner to execute an application for all required approvals and permits inclusive of building, zoning, health and wetlands permits as with any special approvals such as Zoning Board of Appeals and Special Permit applications to enable him to obtain permits to complete construction of the following work additions and alterations to the residence at the above site.
3. That Cugno Architecture LLC is hereby designated as the Owner's representative with whom all town departments may deal with in respect to the work involved.

Date: 4-9-2024

Owner:_____

Signature:_____

PROJECT NARRATIVE

PROJECT: 20 OLD DRIFTWAY

OWNER: SCOTT & STEPHANIE BELLINO

DATE: APRIL 9, 2024

Building Activity:

The proposed activity of the above project will be the construction of an above ground deck and a 24 foot diameter pool with an above grade deck that will surround three quarters of the perimeter of the deck.

ALTERNATE CONSIDERATIONS:

Due to the grade conditions of the existing site, we will be limited to offer alternate solutions for this project. The lot is a long thin parcel with a considerable grade drop to the rear of the property and wetlands in those areas.

IMPACTS:

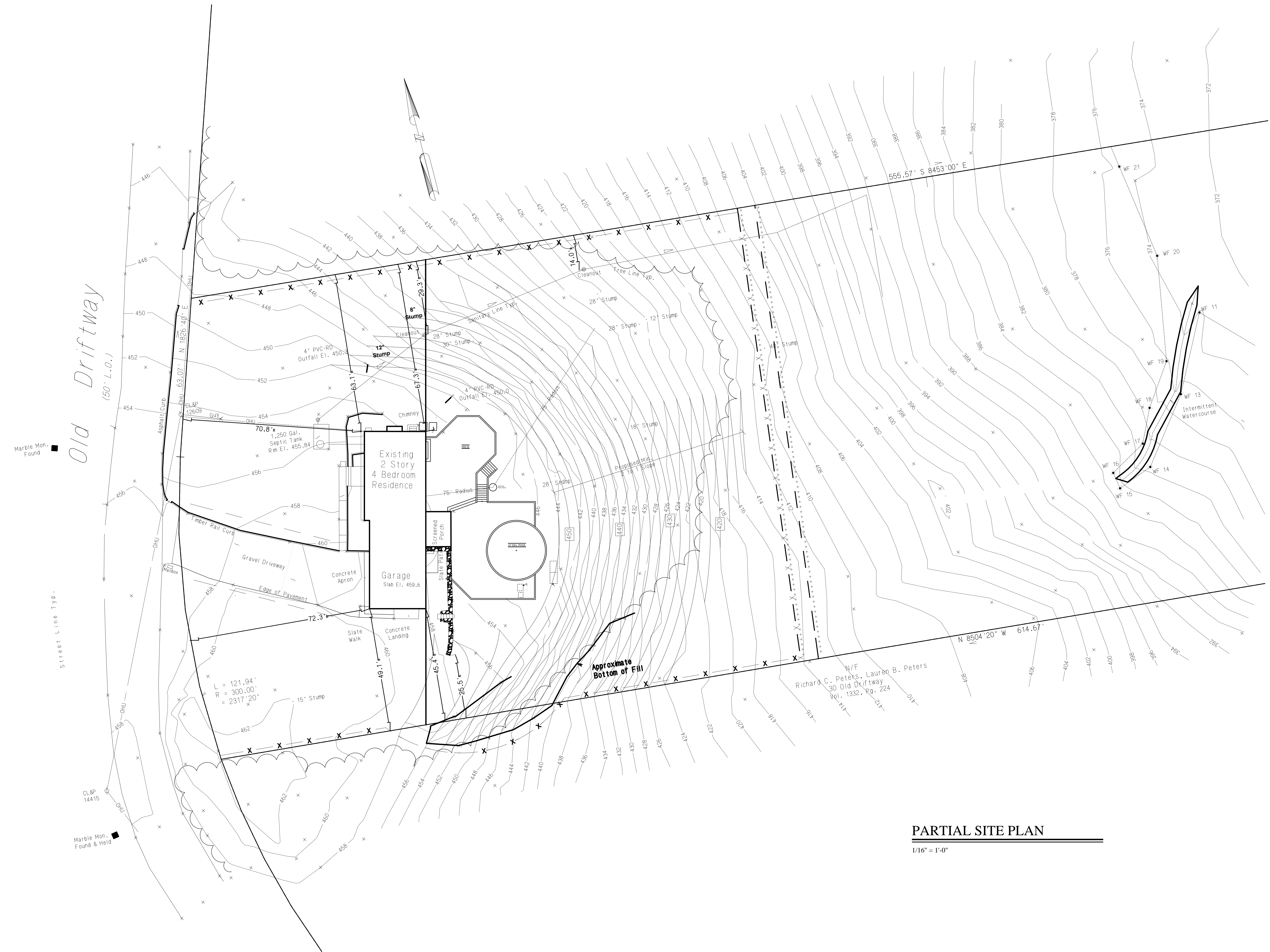
The proposed deck & pool additions will be placed to the rear of the house and will be topographically well above all wetlands and well beyond the existing septic system and B-100A area. Per Palladino & Son Septic it would be +/-200 feet away. In the event the septic system needs to be expanded or replaced the impact should be minimal to the front wetlands.

PROPOSED MITIGATION MEASURES:

We feel at this time there are no mitigation measures required.



20 Old Driftway, Wilton
Center, CT 06897



PARTIAL SITE PLAN

1/16" = 1'-0"

- Revisions:
- 11-19-2023
 - 12-12-2023
 - 12-15-2023
 - 1-16-2024
 - 3-5-2024
 - 3-7-2024
 - 3-21-2024
 - 3-22-2024
 - 3-25-2024

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Drawing Number:

SP1

Seal:

CUGNO
ARCHITECTURE

113 Westport Road, Wilton, CT 06897
office: 203.563.9223 • fax: 203.563.9217
email: joe@cugnoarchitecture.com
www.cugnoarchitecture.com

BELLINO RESIDENCE
20 OLD DRIFTWAY
WILTON, CT

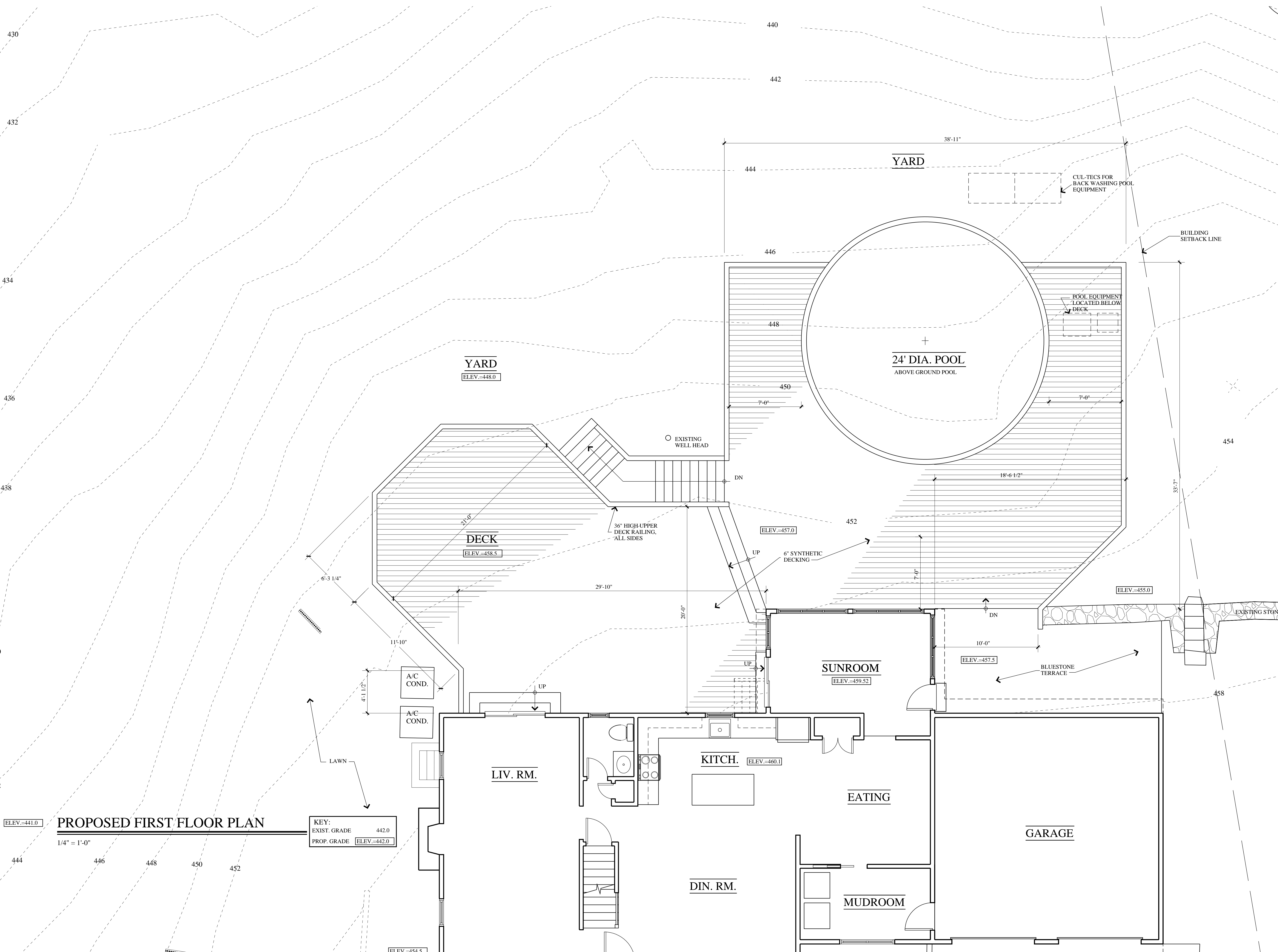
Date:
Scale:
Job No:

Drawing Title:

TOWN OF WILTON, CONNECTICUT

Parcel ID	Site Address	Owner Name	Mailing Address
115-1	38 OLD DRIFTWAY	DELACY RUSSELL ANTHONY &	38 OLD DRIFTWAY
115-2	48 OLD DRIFTWAY	COOPER JAMES W & VICKI K	48 OLD DRIFTWAY
115-11	55 OLD DRIFTWAY	MIMS JACOB R & KERRI	55 OLD DRIFTWAY
115-12	45 OLD DRIFTWAY	RALEIGH ELLEN J	45 OLD DRIFTWAY
115-13	43 OLD DRIFTWAY	SANFILIPPO PETER & KATHERINE A	43 OLD DRIFTWAY
115-14	39 OLD DRIFTWAY	RESTIVO JOHN D & MARIE	39 OLD DRIFTWAY
115-15	97 PHEASANT RUN	CHRABOLOWSKI JOHN C & DEBORAH J	97 PHEASANT RUN
115-16	77 PHEASANT RUN	SIEKE ALEXANDER THORNE &	77 PHEASANT RUN
115-25-2	90 PHEASANT RUN	TORKELSEN ELIZABETH STEBBINS	90 PHEASANT RUN
115-25-3	100 PHEASANT RUN	QUINTERO JAIME A & ADRIANA	100 PHEASANT RUN
116-1	126 PHEASANT RUN	EVANS PATRICK &	126 PHEASANT RUN
116-2	137 CHEESE SPRING RD	GOULD ALAN B & PATRICIA A	137 CHEESE SPRING RD
116-3	143 CHEESE SPRING RD	OFOSU MARIANNA	143 CHEESE SPRING RD
116-4	12 OLD DRIFTWAY	BURBANK TODD T	12 OLD DRIFTWAY
116-5	16 OLD DRIFTWAY	CONNORS FRANK & MARYANN	16 OLD DRIFTWAY
116-6	20 OLD DRIFTWAY	BELLINO SCOTT V & STEPHANIE	20 OLD DRIFTWAY
116-7	30 OLD DRIFTWAY	STERLING JENNA	30 OLD DRIFTWAY
116-8	23 OLD DRIFTWAY	JENKINS JAMES J & ANGELA	23 OLD DRIFTWAY
116-9	157 CHEESE SPRING RD	WILSON EDWARD & MARY JAYNE	157 CHEESE SPRING RD
116-9-1	169 CHEESE SPRING RD	KIM JONG SUNG & GRACE P	169 CHEESE SPRING RD
116-10	179 CHEESE SPRING RD	KOHL RUSSELL I & CELESTIA L	179 CHEESE SPRING RD
116-15	491 THAYER POND RD	GREENBERG LYNN G	491 THAYER POND ROAD
116-16	489 THAYER POND RD	UITTERDIJK TAMMO	489 THAYER POND RD
116-17	487 THAYER POND RD	WAKEN MATTHEW & MARIA SV	487 THAYER POND RD
116-45	127 PHEASANT RUN	MAJESKY SUSANNE DIXON TR &	127 PHEASANT RUN
116-46	107 PHEASANT RUN	BUTLER CHRISTOPHER & TARA	107 PHEASANT RUN
116-47	110 PHEASANT RUN	MROZ HEATHER REUTHER & MAREK	110 PHEASANT RUN
116-48	120 PHEASANT RUN	CONNOLLY PETER J & NANCY L	120 PHEASANT RUN

Mailing City	Mailing	Mailing Zip
WILTON	CT	06897- 0000
WILTON	CT	06897- 0000
WILTON	CT	06897- 0000
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BELLINO RESIDENCE
20 OLD DRIFTWAY
WILTON, CT

Date: 4/2/2022	Drawn By: JRC	Drawing Title:
Scale: AS NOTED		
Job No:		

CUGNO
ARCHITECTURE

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Drawing Number:

A1

NOTES

- THIS SURVEY AND MAP HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 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 26, 1996. IT IS A LIMITED PROPERTY/BOUNDARY SURVEY BASED ON A DEFENDANT RESURVEY CONFORMING TO HORIZONTAL ACCURACY CLASS A-2 AND TOPOGRAPHIC ACCURACY CLASS T-2 AND IS INTENDED FOR MUNICIPAL COMPLIANCE PURPOSES.
- THIS MAP IS NOT VALID WITHOUT A LIVE SIGNATURE AND EMBOSSED SEAL.
- ALL IMPROVEMENTS SHOWN BASED ON FIELD MEASUREMENTS AND OBSERVATIONS.
- ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) AS DETERMINED USING GEODID33. LINEAR UNITS ARE IN U.S. SURVEY FEET. HORIZONTAL COORDINATES ARE REFERRED TO THE CONNECTICUT COORDINATE SYSTEM OF 1983. AS REALIZED FROM OBSERVATION REFERENCE TO NAD83 (CORS96). COORDINATES WERE DETERMINED FROM STATIC GPS OBSERVATIONS MADE ON FEBRUARY 25, 2016 IN ACCORDANCE WITH GUIDELINES AND SPECIFICATIONS FOR GLOBAL NAVIGATION SATELLITE SYSTEM LAND SURVEYS IN CONNECTICUT ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC., HOLDING THE FOLLOWING VALUES FOR PUBLISHED BASE DATA:
STATION: ORANGE
NORTHING 658307.101, EASTING 930948.510
LATITUDE 41°14'03.13401", LONGITUDE 73°00'03.97333",
ELLIPSOID 6.5007
- MAP REFERENCES
A. MAP PREPARED FOR ETHEL BETTS WESTON, WILTON, CONNECTICUT, SCALE: 1" = 80', SEPTEMBER 20, 1956. CERTIFIED SUBSTANTIALLY CORRECT BY HENRY F. HENRICI ON FILE IN THE TOWN OF WILTON TOWN CLERK'S OFFICE AS MAP NUMBER 1657.
B. MAP PREPARED FOR ETHEL BETTS WESTON, WILTON, CONNECTICUT, SCALE: 1" = 80', SEPTEMBER 24, 1956. CERTIFIED SUBSTANTIALLY CORRECT BY HENRY F. HENRICI ON FILE IN THE TOWN OF WILTON TOWN CLERK'S OFFICE AS MAP NUMBER 1458.
C. MAP PREPARED FOR HERMAN A. BUSCH, WILTON, CONN. SCALE: 1" = 40', AUGUST 4, 1958; LAST REVISED OCTOBER 1, 1958. CERTIFIED SUBSTANTIALLY CORRECT BY JOHN M. FARNSWORTH ON FILE IN THE TOWN OF WILTON TOWN CLERK'S OFFICE AS MAP NUMBER 1848.
D. MAP PREPARED FOR ETHEL BETTS WESTON, WILTON, CONNECTICUT, SCALE: 1" = 80', OCTOBER 9, 1959. CERTIFIED SUBSTANTIALLY CORRECT BY HENRY F. HENRICI ON FILE IN THE TOWN OF WILTON TOWN CLERK'S OFFICE AS MAP NUMBER 1935.
E. REVISED SUBDIVISION PREPARED FOR LENOX HOMES INC., WILTON, CONNECTICUT, SCALE: 1" = 100', OCTOBER 5, 1970. PREPARED BY RYAN & FAULDS ON FILE IN THE TOWN OF WILTON TOWN CLERK'S OFFICE AS MAP NUMBER 3014.
F. AS-BUILT PREPARED FOR ETHEL BETTS WESTON, WILTON, CONNECTICUT, SHEET 1 OF 2 AND SHEET 2 OF 2. SCALE: 1" = 80', MAY 1, 1961. CERTIFIED SUBSTANTIALLY CORRECT BY HENRY F. HENRICI ON FILE IN THE TOWN OF WILTON ENGINEERING DEPARTMENT.
G. EXISTING CONDITIONS SURVEY AND TOPOGRAPHIC SURVEY PREPARED FOR SCOTT V. BELLINO AND STEPHANIE BELLINO, 20 OLD DRIFTWAY, WILTON, CONNECTICUT, SCALE: 1" = 20', JULY 27, 2016. PREPARED BY CABEZAS DEANGELIS, LLC. CERTIFIED SUBSTANTIALLY CORRECT BY WASHINGTON CABEZAS, JR., P.E., L.S., ON FILE IN THE TOWN OF WILTON PLANNING AND ZONING OFFICE.
H. RECORD OWNER: SCOTT V. BELLINO & STEPHANIE BELLINO
VOL. 2391 PG. 290

Notes Continued

- RECORD OWNER: SCOTT V. BELLINO & STEPHANIE BELLINO
VOL. 2391 PG. 290
- REFER TO THE OFFICE OF THE INLAND WETLANDS COMMISSION FOR FURTHER INFORMATION REGARDING WET2391.
- ASSESSOR'S REFERENCE: MAP 116 | LOT 6
- PARCEL AREA: 107,430± SQ. FT. 2.466± AC.
- PARCEL IS LOCATED WITHIN THE "R-2A" ZONING DISTRICT.
- PARCEL IS SERVED BY PRIVATE SEPTIC AND WELL.
- SEE FLOOD INSURANCE RATE MAP: FAIRFIELD COUNTY, CONNECTICUT (ALL JURISDICTIONS), PANEL 379 OF 626, COMMUNITY WILTON, TOWN OF, NUMBER 090202 PANEL 0379 SUFFIX F, MAP NUMBER 09001C0379F, MAP REVISED JUNE 18, 2010. THE PARCEL IS LOCATED IN AN AREA DESIGNATED AS ZONE X (UNSHADED) AND A PORTION IN ZONE X (SHADED).
- BOUNDARY LINES DEPICTED HEREON ARE A RESULT OF EXTENSIVE RECORD RESEARCH, FIELD EVIDENCE AND FIELD MEASUREMENTS. DUE TO LACK OF ON-SITE MONUMENTATION AND LACK OF OCCUPATION LINES THE BOUNDARY LINES DEPICTED HEREON REPRESENT THE PROFESSIONAL OPINION OF THE SURVEYOR. BOUNDARY LINES MAY BE SUBJECT TO ANY REVISION REQUIRED BY LEGAL ACTION OR BY THE DISCOVERY OF ADDITIONAL RECORD INFORMATION AND/OR FIELD EVIDENCE.
- THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. CABEZAS DEANGELIS MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. CABEZAS DEANGELIS FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH IT IS CERTIFIED THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. CABEZAS DEANGELIS HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES. CALL BEFORE YOU DIG, INC. (1-800-922-4455).
- LAND RECORD RESEARCH PERFORMED FEBRUARY 2016
- AS-BUILT SURVEY PERFORMED ON THE GROUND JULY 2017

Notes Continued

- ASSESSOR'S REFERENCE: MAP 116 | LOT 6
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- AS-BUILT SURVEY PERFORMED ON THE GROUND JULY 2017
- REFER TO THE OFFICE OF THE INLAND WETLANDS COMMISSION FOR FURTHER INFORMATION REGARDING WET2391.

LEGEND

N/F	NOW OR FORMERLY
MON.	MONUMENT
I.P.	IRON PIPE
FND.	FOUND
S.F.	SQUARE FEET
CONC.	CONCRETE
BIT.	BITUMINOUS
CHU	OVERHEAD UTILITIES
U/G	UNDER GROUND
ELSG.	ELECTRIC
Ø	UTILITY POLE
DVL	DOUBLE YELLOW LINE
SWL	SINGLE WHITE LINE
BWL	BROKEN WHITE LINE
EOP	EDGE OF PAVEMENT
RET.	RETAINING
CLF	CHAIN LINK FENCE
CLP	FINISHED FLOOR ELEVATION
C.O.	CLEANOUT
LP	LIGHT POST
Ø	EXISTING CONIFER TREE

Code complying area

4-bedroom design 1"/10 min perc
577.5 SQFT required
Propose 58' of GLF 12-72
58' x 10.1 SQFT/LF = 585.8 SQFT TOTAL

Perc

Time	Drop
10:37	2 1/2"
10:47	12"
10:57	15"
11:07	Dry
Refill 11:12	8 1/2"
11:22	12"
11:32	14 1/2"
11:42	16"
	1"/10 min perc

MLSS

Flow factor 1.75
Perc factor 1.0
Hydraulic factor 14
1.75 x 1.0 x 14 = 24.5 MLSS

Average restric layer

Upgradient T.H.

T.H. #1/T.H. #2
38" + 47" = 85/2 = 42.5

Downgradient T.H.

47" = 47/1 = 47"
42.5 + 47" = 89.5/2 = 44.75

T.H. #1

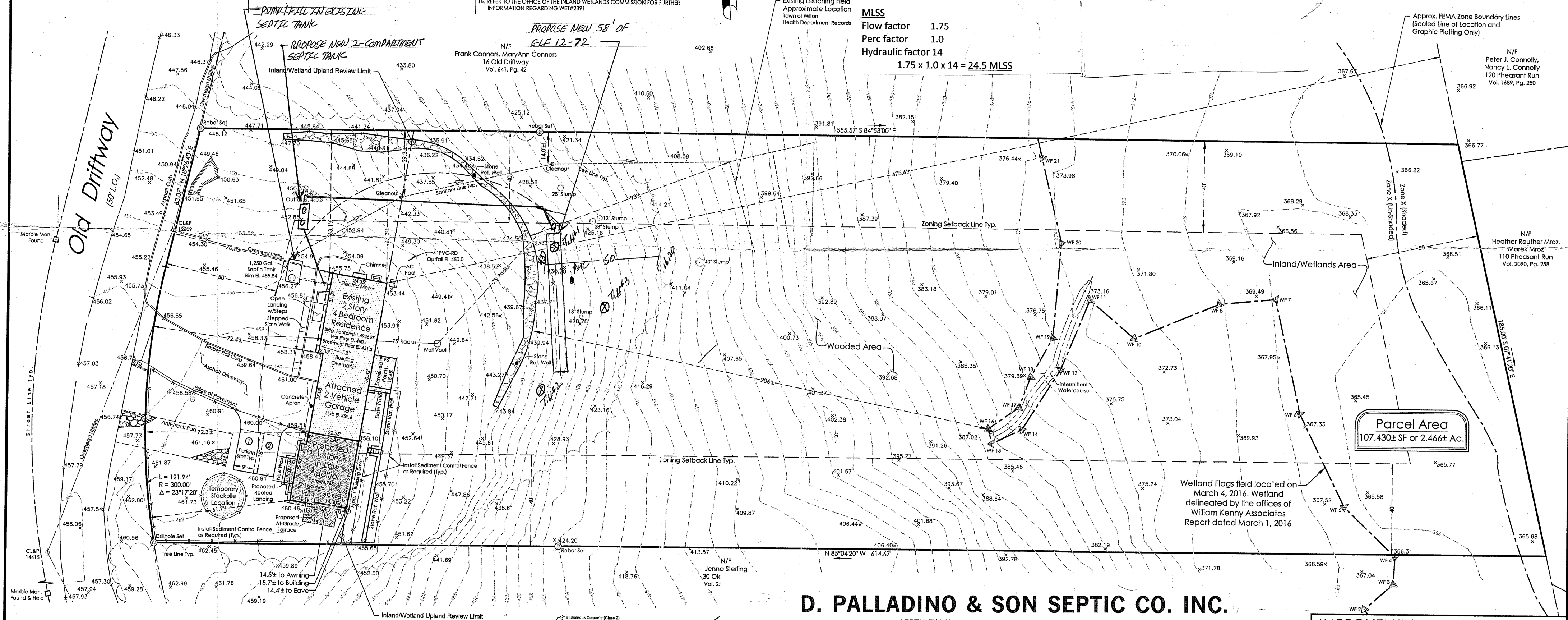
0"-8" Topsoil
8"-30" Red brown fine sandy loam
30"-38" Tan sandy loam
38" Ledge
38" Restrict layer

T.H. #2

0"-8" Topsoil
8"-33" Red brown fine sandy loam
33"-47" Tan sandy loam
47" Ledge
47" Restrict layer

T.H. #3

0"-8" Topsoil
8"-33" Red brown fine sandy loam
33"-47" Tan sandy loam
47" Ledge
47" Restrict layer



D. PALLADINO & SON SEPTIC CO. INC.

SEPTIC TANK CLEANING & SEPTIC SYSTEM INSTALLATIONS
123 OLD STUDIO ROAD NEW CANAAN, CONN. 06840
(203) 966-9349

IMPROVEMENT LOCATION SURVEY - AND - TOPOGRAPHIC SURVEY

PREPARED FOR

SCOTT V. BELLINO

- AND -

STEPHANIE BELLINO

20 OLD DRIFTWAY

WILTON CONNECTICUT

ASSESSOR'S REFERENCE: MAP 116 | LOT 6

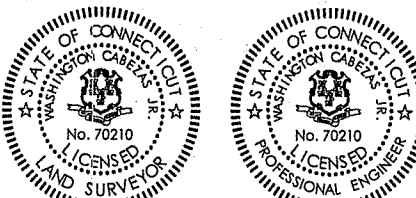
SHEET 1 OF 1

AUGUST 17, 2022 WASHINGTON CABEZAS, JR., P.E., L.S. SCALE: 1" = 20'

Cabezas DeAngelis
ENGINEERS & SURVEYORS

78 ELM STREET, BRIDGEPORT, CT 06604
P: 203 330 8700 • F: 203 330 8701

SCALE: 1"=20'
FIELD FILE: 20 Old Driftway.rnw5
PROJECT NO. CD965
DATE: August 17, 2022
CAD FILE: 20 Old Driftway ILS.dwg
SHEET 1 OF 1
REV:



TO THE BEST OF MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

Washington Cabezas, Jr.

WASHINGTON CABEZAS, JR., P.E. 70210
PROFESSIONAL ENGINEER & LAND SURVEYOR



DATE 2/2/24

SCALE 1"=30'

(NTS)

WILLIAM KENNY
ASSOCIATES LLC

SOIL SCIENCE
ECOLOGICAL SERVICES
LAND USE PLANNING
LANDSCAPE ARCHITECTURE

March 1, 2016

Mr. Washington Cabezas
Cabezas-DeAngelis, LLC
1450 Barnum Avenue
Bridgeport, CT 06610

Re: Wetland and Watercourse Delineation
20 Old Driftway Lane, Wilton, Connecticut

Dear Mr. Cabezas:

As requested, I visited the referenced property to determine the presence or absence of wetlands and/or watercourses, to demarcate (flag) the boundaries of wetlands and watercourses identified, and to identify onsite soil types. This letter includes the methods and results of my investigation, which I completed today, March 1, 2016. In summary, one inland wetland and watercourse system was identified and delineated. The system, which is located in the eastern portion of the property, is a forested wetland that includes a small intermittent watercourse.

Regulatory Definitions

The Inland Wetlands and Watercourses Act (Connecticut General Statutes §22a-38) defines inland wetlands as "land, including submerged 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.

The Tidal Wetlands Act (Connecticut General Statutes §22a-28) defines wetlands as those areas which border on or lie beneath tidal waters, such as, but not limited to banks, bogs, salt marsh, swamps, meadows, flats, or other low lands subject to tidal action, including those areas now or formerly connected to tidal waters, and whose surface is at or below an elevation of one foot above local extreme high water; and upon which may grow or be capable of growing hydrophytic vegetation as identified in the Statutes.

195 FUNNIS HILL ROAD
FAIRFIELD, CT 06825
PHONE: 203 366 0588
FAX: 203 366 0067
www.wkassociates.net

Methodology

A second order soil survey in accordance with the principles and practices noted in the USDA publication *Soil Survey Manual* (1993) was completed at the subject site. The classification system of the National Cooperative Soil Survey was used in this investigation. Soil map units identified at the project site generally correspond to those included in the *Soil Survey of the State of Connecticut* (USDA 2005).

Wetland determinations were completed based on the presence of poorly drained, very poorly drained, alluvial, or floodplain soils and submerged land (e.g. a pond). Soil types were identified by observation of soil morphology (soil texture, color, structure, etc.). To observe the morphology of the property's soils, test pits and/or borings (maximum depth of two feet) were completed at the site.

Tidal wetland determinations were completed based on the presence of a predominance of tidal wetland vegetation and physical markings or water laid deposits resulting from tidal action.

Intermittent watercourse determinations were made based on the presence of a defined permanent channel and bank and two of the following characteristics: A) evidence of scour or deposits of recent alluvium or detritus, D) the presence of standing or flowing water for a duration longer than a particular storm incident, and C) the presence of hydrophytic vegetation.

Wetland and watercourse boundaries were demarcated (flagged) with pink surveyor's tape (hung from vegetation) or small flags (on wire stakes) labeled "William Kenny Associates" that are generally spaced a maximum of every 50 feet. Complete boundaries are located along the lines that connect these sequentially numbered flags. The wetland and watercourse boundaries are subject to change until adopted by local, state, or federal regulatory agencies.

On the day of the review, the sky was clear and air temperatures were in the 40's ° F. There was no soil frost and no snow cover. The upland soil was moist and the wetland soil was saturated.

Results

The approximate 2.5-acre residential property is located at 20 Driftway Lane in Wilton, Connecticut. Old Driftway Lane borders the western property boundary. Property improvements include a single-family residence, a septic system and an asphalt driveway. The vegetative cover in the western portion of the property includes lawn with other ornamentals and areas of recent vegetation clearing. A broadleaved deciduous forest is present in the central and eastern portions of the property.

One inland wetland and watercourse system was identified and delineated. The system, which is located in the eastern portion of the property, is a forested wetland that includes a small intermittent watercourse. Wetland soils are very poorly drained and poorly drained and formed from organic deposits and glacial till deposits. The approximate location of the system is shown on the attached map. The boundary of the system was marked at the site with flags numbered 1 to 21.

Five soil map units were identified on the property (two wetland and three upland). Each map unit represents a specific area on the landscape and consists of one or more soils for which the unit is

named. Other soils (inclusions that are generally too small to be delineated separately) may account for 10 to 15 percent of each map unit. The mapped units are identified in the following table by name and symbol and typical characteristics (parent material, drainage class, high water table, depth to bedrock, and slope). These characteristics are generally the primary characteristics to be considered in land use planning and management. A description of each characteristic and their land use implications follows the table. A complete description of each soil map unit can be found in the *Soil Survey of the State of Connecticut* (USDA 2005), and at <http://soils.usda.gov/technical/classification/osd/index.html>.

<u>Sym.</u>	<u>Map Unit</u>	<u>Parent Material</u>	<u>Slope (%)</u>	<u>Drainage Class</u>	<u>High Water Table</u>			<u>Depth To Bedrock (in)</u>
	<u>Name</u>				<u>Depth (ft)</u>	<u>Kind</u>	<u>Mos.</u>	
<u>Upland Soil</u>								
51	Sutton very stony fine sandy loam	Loose Glacial Till	3-8	Moderately Well Drained	1.5-3.5	Apparent	Nov-Apr	>60
75	Hollis-Chatfield	Loose Glacial Till	0-5	Well Drained	>6.0	--	--	<20
	Rock Outcrop	Loose Glacial Till	3-15	Well Drained	>6.0	--	--	20-40
308	Udorthents, Smoothed	Excavated or Filled Soil (>2 feet)	0-45	Well Drained	>6.0	--	--	>60
<u>Wetland Soil</u>								
3	Ridgebury	Compact Glacial Till	0-8	Poorly Drained	0.0-1.5	Perched	Nov-May	>60
	Leicester	Loose glacial Till	0-3	Poorly Drained	0.0-1.5	Apparent		>60
	Whitman	Compact Glacial Till	0-3	Very Poorly Drained	0.0-1.5	Perched	Nov-May	>60
	extremely stony fine sandy loam						Sep-Jun	
17	Timakwa Natchaug Soils	Organic Material	0-2	Very Poorly Drained	0.0-1.0	Apparent	Oct-Jun	>60

Parent material is the unconsolidated organic and mineral material in which soil forms. Soil inherits characteristics, such as mineralogy and texture, from its parent material. Glacial till is unsorted, nonstratified glacial drift consisting of clay, silt, sand, and boulders transported and deposited by glacial ice. Glacial outwash consists of gravel, sand, and silt, which are commonly stratified and deposited by glacial melt water. Alluvium is material such as sand, silt, or clay, deposited on land by streams. Organic deposits consist of decomposed plant and animal parts.

A soil's texture affects the ease of digging, filling, and compacting and the permeability of a soil. Generally sand and gravel soils, such as outwash soils, have higher permeability rates than most glacial till soils. Soil permeability affects the cost to design and construct subsurface sanitary disposal facilities and, if too slow or too fast, may preclude their use. Outwash soils are generally excellent sources of natural aggregates (sand and gravel) suitable for commercial use, such as construction sub

Mr. Washington Cabezas
Re: 20 Old Driftway Lane, Wilton, Connecticut

March 1, 2016
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base material. Organic layers in soils can cause movement of structural footings. Compacted glacial till layers make excavating more difficult and may preclude the use of subsurface sanitary disposal systems or increase their design and construction costs if fill material is required.

Generally, soils with steeper slopes increase construction costs, increase the potential for erosion and sedimentation impacts, and reduce the feasibility of locating subsurface sanitary disposal facilities.

Drainage class refers to the frequency and duration of periods of soil saturation or partial saturation during soil formation. Seven classes of natural drainage classes exist. They range from excessively drained, where water is removed from the soil very rapidly, to very poorly drained, where water is removed so slowly that free water remains at or near the soil surface during most of the growing season. Soil drainage affects the type and growth of plants found in an area. When landscaping or gardening, drainage class information can be used to assure that proposed plants are adapted to existing drainage conditions or that necessary alterations to drainage conditions (irrigation or drainage systems) are provided to assure plant survival.

High water table is the highest level of a saturated zone in the soil in most years. The water table can affect the timing of excavations; the ease of excavating, constructing, and grading; and the supporting capacity of the soil. Shallow water tables may preclude the use of subsurface sanitary disposal systems or increase design and construction costs if fill material is required.

The depth to bedrock refers to the depth to fixed rock. Bedrock depth affects the ease and cost of construction, such as digging, filling, compacting, and planting. Shallow depth bedrock may preclude the use of subsurface sanitary disposal systems or increase design and construction costs if fill material is required.

Conclusions

Today, I investigated the property at 20 Old Driftway Lane in Wilton, Connecticut and identified and delineated one inland wetland and watercourse system. Thank you for the opportunity to assist you. If you should have any questions or comments, please do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "William L. Kenny". The signature is fluid and cursive, with a large, stylized "W" and "K".

William L. Kenny, PWS, PLA
Soil Scientist

Enclosure

Ref. No. 3369

SOIL LEGEND:

UPLAND:

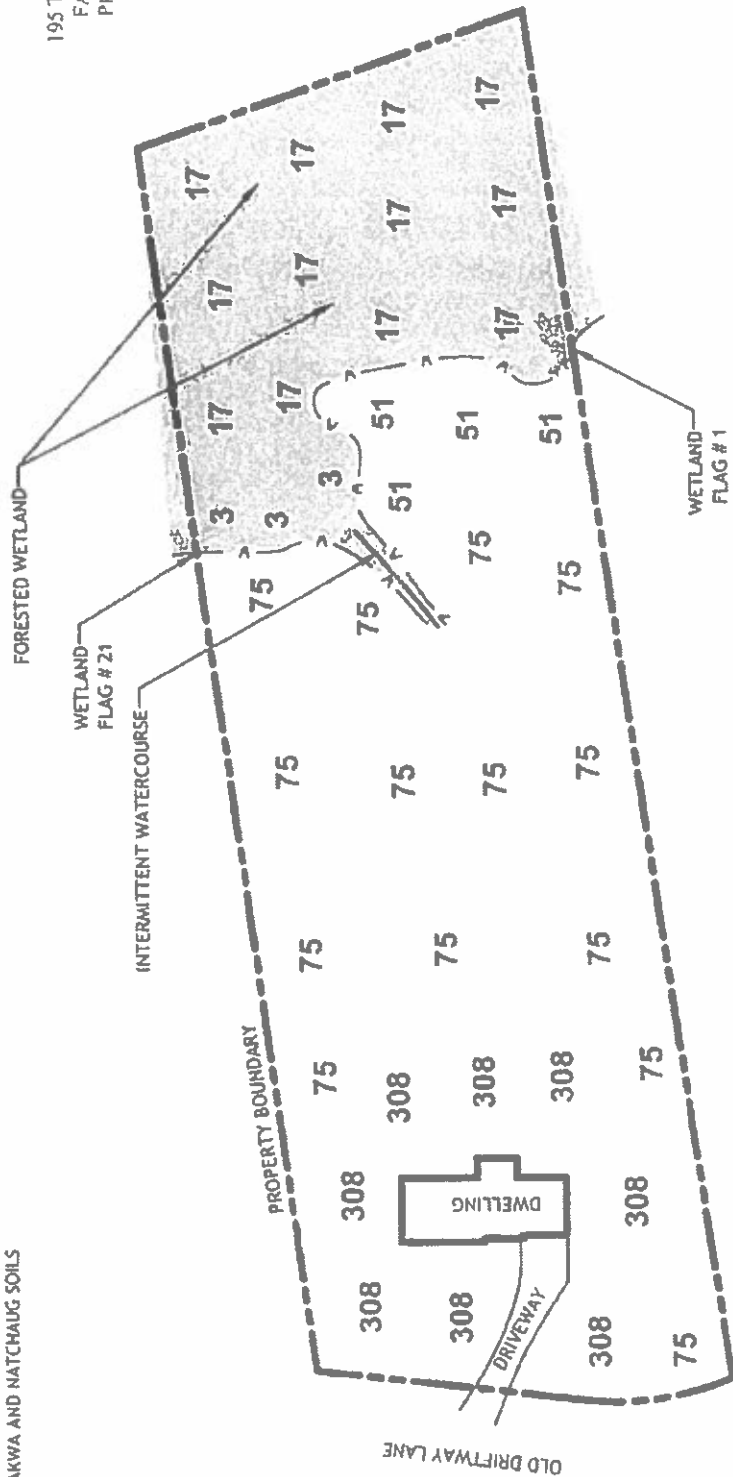
- 51 SUTTON FINE SANDY LOAMS
- 75 HOLLIS-CHARLTON-ROCK OUTCROP COMPLEX
- 308 UOORTHENTS, SMOOTHED

WETLAND:

- 3 RIDGEBURY, LEICESTER AND WHITMAN SOILS
- 17 TIMAKWA AND NATCHAUG SOILS

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NOTES:

- INFORMATION SHOWN ON THIS DRAWING, INCLUDING THE WETLAND BOUNDARY, IS APPROXIMATE. THE BOUNDARY IS NOT A SURVEYED REPRESENTATION OF WHAT WAS FIELD MARKED (FLAGGED).
- WETLAND AND SOIL INFORMATION PROVIDED BY WILLIAM KENNY ASSOC.
- OTHER INFORMATION TAKEN FROM A TOWN OF WILTON TAX MAP.
- 51, 75, 308, 3 AND 17 ARE SOIL MAPPING UNIT SYMBOLS. SEE WETLAND DELINEATION REPORT FOR THE SOIL MAP UNIT NAMES AND ADDITIONAL RELATED INFORMATION.

WETLAND & WATERCOURSE MAP

**20 OLD DRIFTWAY LANE
WILTON, CONNECTICUT**

SCALE: NOT TO SCALE
DATE: MARCH 1, 2016



Ref. No. 3369

I CERTIFY THAT THIS WETLAND MAP
SUBSTANTIALLY REPRESENTS THE SOILS
AND WETLANDS MAPPED IN THE FIELD

William L. Kenny
WILLIAM L. KENNY, SOIL SCIENTIST