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 Taylor Witt _____ Agent (if applicable) _____

Address 32 Mayapple Road _____ Address_____

Wilton, CT 06897 _____ _____

Telephone 203-571-2978 _____ Telephone _____

Email thw0011@gmail.com _____ Email _____

PROJECT INFORMATION:

Property Address 32 Mayapple Road, Wilton, CT _____ Site Acreage 2.22 AC _____

Acres of altered Wetlands On-Site 0.71 AC _____ Cu. Yds. of Material Excavated 70 Cu Yds± _____

Linear Feet of Watercourse 210'± _____ Cu. Yds. of Material to be Deposited 120 Cu Yds± _____

Linear Feet of Open Water 0 SF _____ Acres of altered upland buffer 0.06 AC _____

Sq. Ft. of proposed and/or altered impervious coverage 392 SF _____ Sq. Ft. of disturbed land in regulated area 2,440 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: The proposed activities include the installation of a shed, a short extension of the existing driveway, and the installation of subsurface storm water management. No work is proposed in the wetlands / watercourses.

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 form 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.

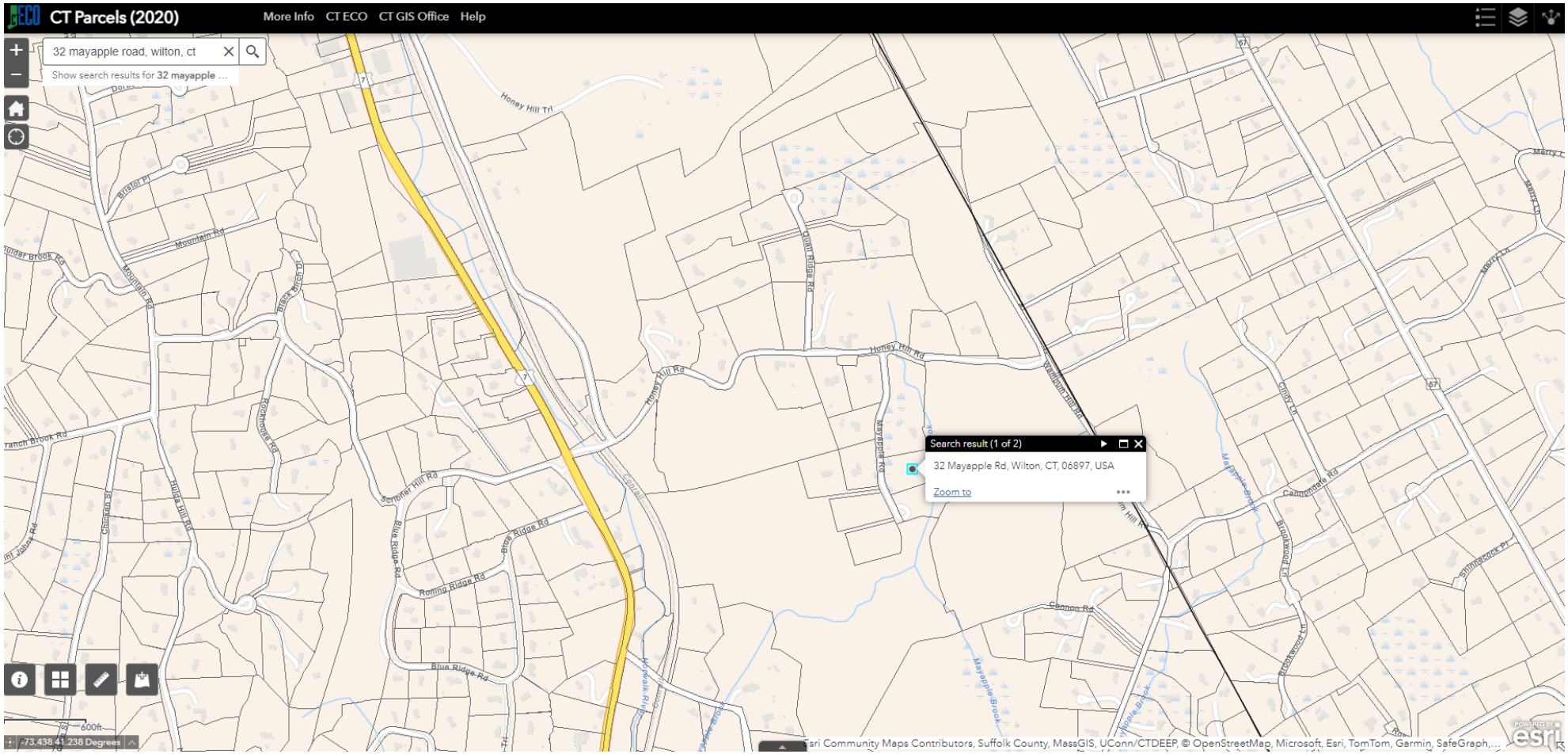
The Applicant or his/her agent certifies that he is familiar with the information provided in this application and is aware of the penalties for obtaining a permit through deception, inaccurate or misleading information.

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: _____

APPLICATION FOR AN INTERMEDIATE REGULATED ACTIVITY – Section B – A Location Map at a scale of 1" = 800'



WILLIAM KENNY
ASSOCIATES LLC

SOIL SCIENCE
ECOLOGICAL SERVICES
LAND USE PLANNING
LANDSCAPE ARCHITECTURE

August 28, 2007

Ms. Gail M. Hanny
32 Mayapple Road
Wilton, CT 06897

Re: Wetland and Watercourse Delineation
32 Mayapple Road, Wilton, Connecticut

Dear Ms. Hanny:

As requested, I visited your 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, August 28, 2007. In summary, two inland wetland and watercourse systems were identified and delineated. The systems which are located along the eastern and western boundaries of the property are woodland wetlands. The western system is primarily a depressional system with a surface outlet that drains to the north through a culvert below the property driveway. The eastern system is a small perennial stream and adjacent woodland wetlands.

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 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.

217 WEBB ROAD
FAIRFIELD, CT 06825
PHONE: 203 366 0588
FAX: 203 366 0067
www.wkassociates.net

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.

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, B) the presence of standing or flowing water for a duration longer than a particular storm incident, and C) the presence of hydrophytic vegetation.

Onsite 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.

The weather on the day of the review was sunny with temperatures in the 80's ^{o} F. The upland soil was dry and the wetland soil was dry to saturated.

Results

The approximate 2.3-acre residential property is located at 32 Mayapple Road in Wilton, Connecticut. Mayapple Road borders the western property boundary. Property improvements include a single-family residence, a septic system and an asphalt driveway. The vegetative cover in the central portion of the property is lawn with other ornamentals and shade trees. A broadleaved deciduous woodland is present in the western and eastern portions of the property.

Two inland wetland and watercourse systems were identified and delineated. The systems which are located along the eastern and western boundaries of the property are woodland wetlands. The western

system is primarily a depressional system with a surface outlet that drains to the north through a culvert below the property driveway. The eastern system is a small perennial stream and adjacent woodland wetlands. The system extends off the site to the north and south and drains and extends south to north through the property. Wetland soils are primarily poorly drained fine sandy loams that formed from glacial till deposits. The approximate locations of the systems are shown on the attached map. The boundaries of these systems were marked at the site with flags numbered 1 to 29, 40 to 45 and 50 to 51.

Four soil map units were identified on the property (one 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.* The approximate location of the mapped wetlands and soil map units at the project site are shown on the attached wetland map.

Map Unit		Parent Material	Slope (%)	Drainage Class	High Water Table			Depth To Bedrock (in)
Sym.	Name				Depth (ft)	Kind	Mos.	
	Upland Soil							
51	Sutton very stony fine sandy loam	Loose Glacial Till	3-8	Moderately Well Drained	1.5-3.5	Apparent	Nov-Apr	>60
61	Charlton very stony fine sandy loam	Loose glacial Till	3-8 8-15	Well Drained	>6.0	--	--	>60
306	Udorthents - Urban Land Complex	Excavated or Filled Soil (>2 feet)	0-45	Well Drained to Somewhat Poorly Drained	1.5->6.0	Apparent	Nov-May	>60
		Pavement & structures account for 85% or more of the area. Additional investigations required to determine characteristics						
	Wetland Soil							
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	Nov-May	>60
	Whitman extremely stony fine sandy loam	Compact Glacial Till	0-3	Very Poorly Drained	0.0-1.5	Perched	Sep-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 is commonly stratified, 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 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 your property at 32 Mayapple Road in Wilton, Connecticut and identified and delineated two onsite inland wetland and watercourse systems. Thank you for the opportunity to assist you. If you should have any questions or comments, please do not hesitate to contact me.

Sincerely,

William L. Kenny, CPWS, ASLA
Soil Scientist

Enclosure

Ref. No. 1343

WILLIAM KENNY
ASSOCIATES LLC

SOIL SCIENCE
ECOLOGICAL SERVICES
LAND USE PLANNING
LANDSCAPE ARCHITECTURE

217 WEBB ROAD
FAIRFIELD, CT 06825
PHONE 203 366 0588
FAX 203 366 0067
wkassociates.net

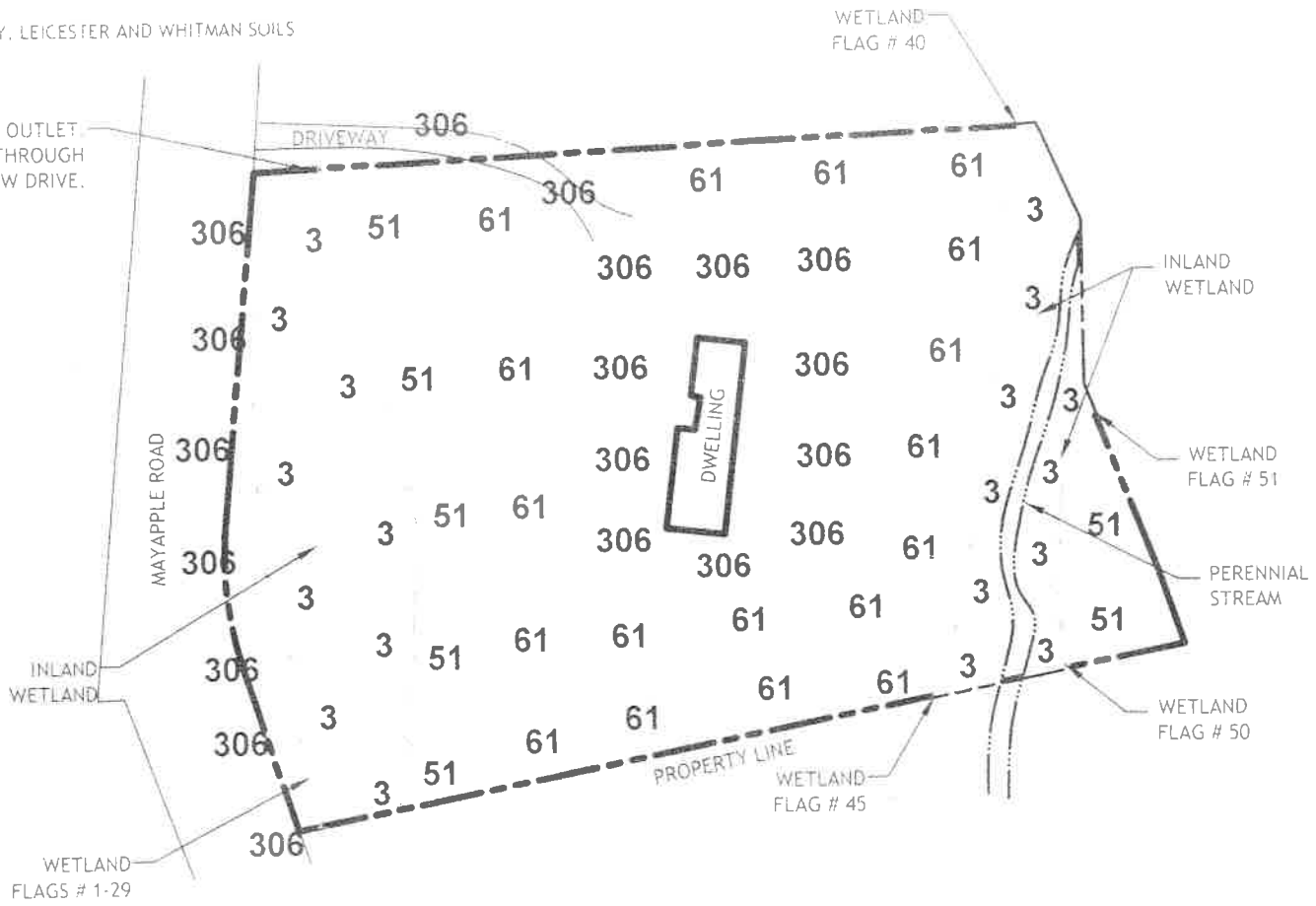
SOIL LEGEND:

UPLAND:

51 SUTTON FINE SANDY LOAM
61 CANTON AND CHARLTON SOILS
306 UDORTHENTS, URBAN LAND COMPLEX

WETLAND:

3 RIDGEBURY, LEICESTER AND WHITMAN SOILS



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 DRAWING PROVIDED BY GAIL HANNY.*
- *THIS DRAWING IS NOT FOR CONSTRUCTION USE.*
- *51, 61, 306 AND 3 ARE SOIL MAPPING UNIT SYMBOLS. SEE WETLAND DELINEATION REPORT FOR THE SOIL MAP UNIT NAMES AND ADDITIONAL RELATED INFORMATION*

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

WILLIAM L. KENNY, SOIL SCIENTIST

WETLAND & WATERCOURSE MAP

32 MAYAPPLE ROAD
WILTON, CT

SCALE: NOT TO SCALE
DATE: AUGUST 28, 2007

Ref. No.: 1343

NORTH

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

Biological Narrative

32 Mayapple Road, Wilton, CT

Date: April 1, 2024

By: Steven Danzer Ph.D.

- Soil Scientist – Certified Nationally by the Soil Science Society of America (#353463).
  – Registered with the Society of Soil Scientists of Southern New England.
- Senior Professional Wetland Scientist - PWS #1321, Society of Wetland Scientists.
- Arborist - CT DEEP License S-5639; ISA Certified NE-7409A.

- Ph.D. in Renewable Natural Resource Studies.

Introduction

Regulated activities are proposed at the property located at 32 Mayapple Road, Wilton, Connecticut. The proposed activities include the installation of a shed, extension of existing driveway, and stormwater management, all as indicated by plans prepared by Shevlin Land Surveying, LLC.

The purpose of this report is to document existing conditions and to assess impact to the wetland resources due to the proposed activities.

Landscape Context

The 2.23 acre site is located on the east side of Mayapple Road in Wilton, CT. Land-use within the adjoining neighborhood is residential, with similar sized lots also predominantly wooded. The site is located within the DEEP Basin **7300-10**, within the Norwalk River Subregional Basin. The site itself drains into Mayapple Brook, a tributary of the Norwalk River. The Norwalk River is located roughly 3500 feet (0.66 miles) southwest of the site. The 40 acre forested Belknap Preserve is located directly east of the property.

Wetland Resources

Wetland resources on site include a watercourse located in a small forested valley parallel to the eastern property boundary, draining southerly. A second wooded wetland corridor is located parallel to the Mayapple Road frontage. A third area of forested wetlands is located immediately offsite to the north, adjacent to the driveway, along the northern property boundary.

The wetlands throughout the site were originally delineated by William Kenney Associates in 2007. Wetland soils were classified by Kenney as within the Ridgebury, Leicester and Whitman soil mapping unit, a mapping unit that is characterized by being deep and poorly drained, and formed in glacial till. Upland soils were classified as a mixture of Sutton fine sandy loam mapping unit, Canton and Charlton soil mapping unit, and Udorthents-Urban land complex mapping unit. Udorthents are soils altered by cutting and/or filling.

The wetland line as depicted on the survey was re-examined by Steven Danzer Ph.D. on 1/5/24 and determined to still be substantially accurate. Additionally, the wetland line in closest proximity to the proposed shed was reflagged to enable project review by the Town.

Dominant vegetation growing within the wetland/watercourse area in proximity to the proposed shed (**photos 1 and 2**), as observed during the field investigation by Steven Danzer Ph.D. included Red maple, Skunk cabbage, Tussock sedge, Cinnamon fern, Highbush blueberry, Spice Bush, Sweet pepperbush, Multiflora rose (an invasive), Winged Euonymus (and invasive), Microstegium (an invasive), Multiflora rose (an invasive) and Asiatic bittersweet (an invasive). Dominant woody vegetation within the adjacent upland included Black birch, Yellow birch, Tulip Tree, Cherry, Red maple, Ironwood, and Beech. The woody and herbaceous understory within the upland contained Euonymus (an invasive) , Multiflora Rose (an invasive), and Christmas fern.

The existing functions and values of the wetland area in proximity of the proposed shed were evaluated using the New England Army Corp Highway Methodology Descriptive Approach, as modified for application to local conditions. This methodology has been proven useful in similar projects intended for review by municipal wetland commissions, and was chosen as the most appropriate methodology for the assessment of the area due to the assessment's descriptive emphasis. The functions and values of the system are described below.

Wetland/watercourse functions and values performed by the watercourse and adjacent wetlands include a very modest level of *Floodflow Alteration* due to the hydric soils and the modest detention and storage capacity of the watercourse system, *Wildlife Habitat* due to its proximity to the contiguous wooded area to the east,

Sediment/Toxicant/Pathogen Retention due to the wetland system's ability to detain and mitigate pollutants from the neighboring residentially developed area, *Nutrient Removal/Retention/Transformation* due to its vegetation and its overall potential for sediment trapping, and *Groundwater discharge/recharge*. The offsite wetland area located north of the property itself may be suitable as vernal habitat and/or reasonably expected to host amphibians, though the amount and quality of the adjacent upland habitat is limited on the southern side due to the existing driveway and residence.

Proposed Activities, Analysis of Impact

The proposed activities include the installation of a shed, a short extension of the existing driveway, and the installation of subsurface stormwater management.

No work is proposed in the wetlands/watercourses.

The shed will be located on existing lawn (**photos 3,4,and 5**). The closest portion of the shed to the wetland line will be in the northeastern corner, which will be 62 feet from the wetlands. The edge of grading will be 58 feet from the wetlands.

One tree will be removed for the shed. Another Oak tree will be removed from the upland review area to accommodate the subsurface stormwater galleries.

The project was reviewed to determine if there were any significant impacts to the wetland resources, pursuant to the criteria enumerated in the Inland Wetland and Watercourse Regulations for the Town of Wilton under Section 2.1(z)3 (Significant Regulated Activity).

It is my understanding that under the Regulations, the project will likely be an Intermediate Activity due to activities occurring within the upland review area. However, the activity will not substantially change the natural channel or inhibit the natural dynamics of any watercourse system, nor diminish the natural capacity of the system to support existing functions, or cause substantial turbidity, siltation, sedimentation or thermal pollution, nor cause a substantial change of flow, nor cause pollution, nor destroy unique wetlands, watercourses or regulated areas having demonstrable scientific or educational value.

As per the above definition, the project is not expected to cause significant impacts to the wetlands or watercourses for the following reasons:

- There will be no work in the wetlands or watercourse area.
- Erosion controls are proposed during the course of construction to prevent sediments from washing towards the wetlands.

- The shed will be located in existing lawn and will not require removal of any existing vegetation other than grass and an Oak. Another Oak, located within the upland review, will be removed to accommodate the stormwater galleries.

- A stormwater detention system has been designed to mitigate any additional runoff due to impervious coverage.

With the above considerations in mind, it is my opinion that there will be no significant impacts to the wetlands due to the proposed activities. Nor will there be any significant or detrimental alteration to existing wetland functions or values.

Alternative locations were considered during the course of planning for the project. The current placement was selected to minimize tree removal and because the location will not result in significant or otherwise detrimental alterations to the wetland resources or its function. The location is the most logical with regard to access and needs of the homeowner, and with regard to the existing configuration of the property.

SUMMARY

The proposed activities include the installation of a shed, extension of existing driveway, and stormwater management. It is my professional opinion that the proposed activities will not significantly impact, or negatively change, diminish, or otherwise detrimentally alter the ecological communities or the functions or values of any of the wetland areas located on or adjacent to the property.

Thank you for the opportunity to comment.

Respectfully submitted,

Signed,

Steven Danzer Ph.D.
Professional Wetland Scientist, Soil Scientist, Arborist,
Ph.D. in Renewable Natural Resource Studies

CPSS
Certified Professional
Soil Scientist

Photos

Photo 1. Watercourse corridor nearest to proposed shed. Looking south, down stream. 1/5/24.

Photo 2. Watercourse corridor at southern property boundary. Looking south, down stream. 1/5/24.

Photo 3. Proposed shed to be located in existing lawn. Looking south. 1/5/24.

Photo 4. Proposed shed to be located in existing lawn. Looking north. 1/5/24.

Photo 5. Proposed shed to be located in existing lawn. Looking east towards forested watercourse corridor. 1/5/24.

APPLICATION FOR AN INTERMEDIATE REGULATED ACTIVITY

Section E - Names and addresses of adjoining property owners

The adjoining neighbors are as follows:

1) Steven & Veena Dzik
   30 Mayapple Road
2) Town of Wilton

APPLICATION FOR AN INTERMEDIATE REGULATED ACTIVITY – Section H - Description of the chemical and physical characteristics of fill material to be used in the Regulated Area D

Note: Received from Devine Bros in Norwalk - see ¾ Process spec below

TILCON

North Branford Coarse Aggregates

Type of stone: Trap Rock

Magnesium Sulfate Soundness: 0.55

LA Abrasion: 13.60% AASHTO T-96

LA Abrasion: 9.50% ASTM C-535

Material	PLANT #7 2" ASTM #3 2020	1 1/4" ASTM #4 2020	3/4" ASTM #6 2020	1/2" ASTM #67 2020	3/8" ASTM #8 2020	1/4" 2020	PLANT #55 1/2" ASTM #67 2020	3/8" ASTM #8 2020	1/4" 2020
2 1/2"	100								
2"	98.7	100							
1 1/2"	46.7	93.4							
1 1/4"	17.6	71.9							
1"	3.5	39.1	100						
3/4"	1.1	7.8	93.3	100			100		
1/2"	0.8	1.3	28.2	88.8	100		82.5	100	100
3/8"		1.1	6.9	28.7	92	100	38.8	92.1	99.9
1/4"			1.5	2.8	40.3	99.3	5.1	30.2	96.1
4			1.1	1.7	13.2	88.1	1.8	8.1	63.2
1/8"						18.2			13.9
8				1.4	1.2	3.3	1.5	2	3.3
16					0.8			1.5	
100					0.7			1.3	
Bulk Spg:	2.922	2.948	2.902	2.9	2.877	2.777	2.908	2.907	2.902
Bulk@SSD	2.942	2.962	2.93	2.933	2.924	2.825	2.949	2.951	2.945
Apparent	2.982	2.988	2.983	2.999	3.014	2.919	3.033	3.041	3.034
absorption	0.691	0.446	0.934	1.14	1.703	1.75	1.419	1.522	1.501
Unit Weight Tons / cubic yard [1]	1.32	1.33	1.32	1.33	1.31	1.30	1.42	1.36	1.24
Moisture Content	0.7%	0.9%	1.2%	1.3%	1.3%	1.8%	0.5%	0.5%	1.2%
Coarse Agg Angularity (5:1 ratio)	3%	6%	5%	7%	6%		3%	0%	
Fractured Face [2]	100/100	100/100	100/100	100/100	100/98		100/100	100/100	

Note 1: This informatioin has been developed using a modified AASHTO T19 method. The conversion factors shown represent the unit weight of material in a truck, railroadcar, or on a scow. These factors are not compactd weight conversions

Note 2: First number will be One Fractured Face and the Second number is Two or more Fractured Faces
ie: 90/80 means 90% has 1 fractored face and 80% has two or more fractured faces

Note 3: All Gradations are tested in accordance with AASHTO T27

TILCON

North Branford Fines & Process

Type of stone: Trap Rock

Magnesium Sulfate Soundness: 0.55

LA Abrasion: 13.60% AASHTO T-96

LA Abrasion: 9.50% ASTM C-535

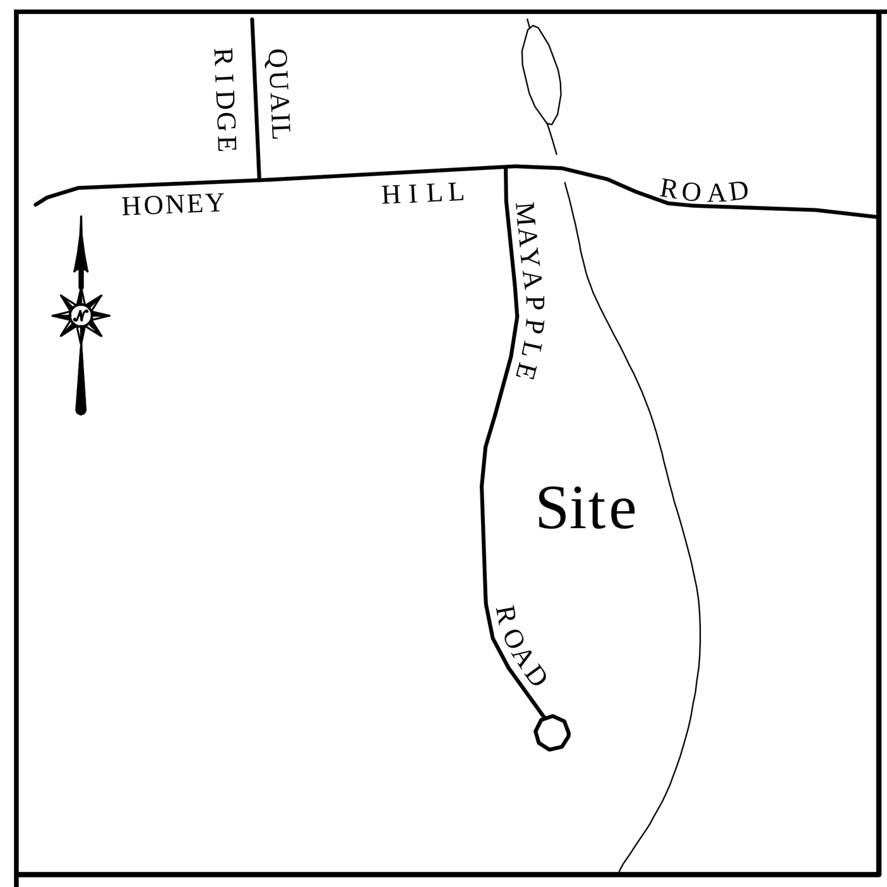
Material	PLANT #7 Stone Sand Wet 2020	Screenings 2020	Plant #55 Stone Sand 2020	Process 2" 2020	1 1/4" 2020	3/4" 2020
2 1/2"				100		
2"				98.7	100	
1 1/2"				78.5	99.7	100
1"						
3/4"				60.4	67.4	94.4
1/2"						72.3
3/8"						60.8
1/4"	100	100	100	39.4	41.4	46.4
4	99.9	99.5	99.9		38.2	
8	76.1	77.3	81			
10				17.7	21.8	28
16	45.8	55	45.3			
30	28.2	40.2	23.6	3.5	7.6	11.5
40				2	3.8	5.9
50	17.3	30.2	12.1			
100	8.7	19.9	6.7	1.4	2.1	3.2
200	2.69	10.37	4.11			
Bulk Spg:	2.854	2.845	2.843			
Bulk@SSD	2.912	2.851	2.9			
Apparent	3.03	3.006	3.015			
absorption	2.041	2.796	1.999			
Unit Weight Tons / cubic yard [1]	1.3	1.343	1.13	1.62	1.57	1.48
Moisture Content	1.70%	1.70%	1.73%	Optimum Moisture 6.40%	6.60%	8.90%
Sand Equivalent	85	59	82			
Fine Aggregate Angularity	48.91	47.91	49.85			

Proctor's Pounds Per Cubic Foot: 145.9 | 147.9 | 144

Note 1: This informatioin has been developed using a modified AASHTO T19 method. The conversion factors shown represent the unit weight of material in a truck, railroadcar, or on a scow. These factors are not compactd weight conversions

Note 2: This information has been developed using AASHTO T 99 and AASHTO T 224. This weight represents the pounds per cubic foot at 100% compaction.

Note 3: All Gradations are tested in accordance with AASHTO T27

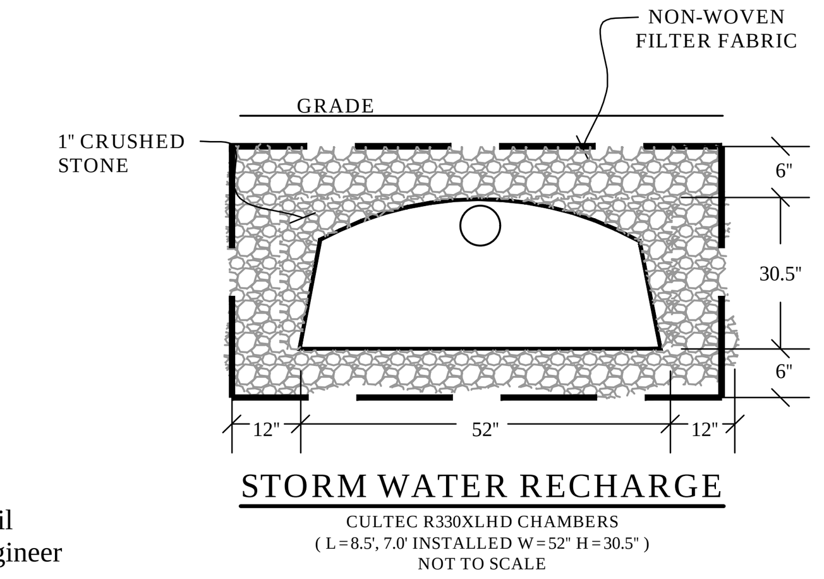


Vicinity Map
Scale: 1" = 800'

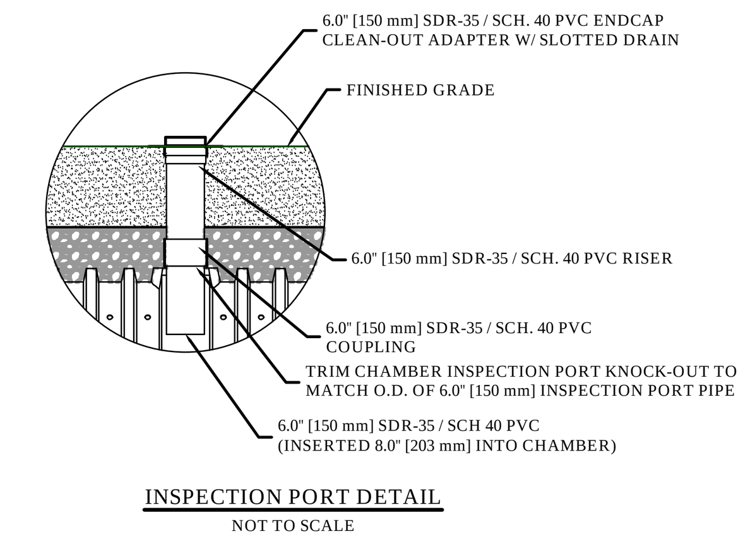
STORM WATER RECHARGE:

Area of Proposed Drive & Shed
= 369 + 392= 761 sf
Required Storage
25 YR, 24 Hour Rain = 6.55 Inches = 0.545 cf/sf
= (761)(0.545) = 414.75 cf
Using Cultec PVC Chambers
Model R330XLHD w/ stone @ 89.55 cf/unit
(L=8.5', 7.0'installed; W=52"; H=30.5")
(414.75) / (89.55) = 4.63 units
Install 5 Units

NOTE:
Test hole to be dug in the proposed storm water system area prior to installation to determine depth to ledge and spring high water, or if a restrictive soil layer area exists. To be witnessed by the design engineer and the Town of Wilton Engineering Department.



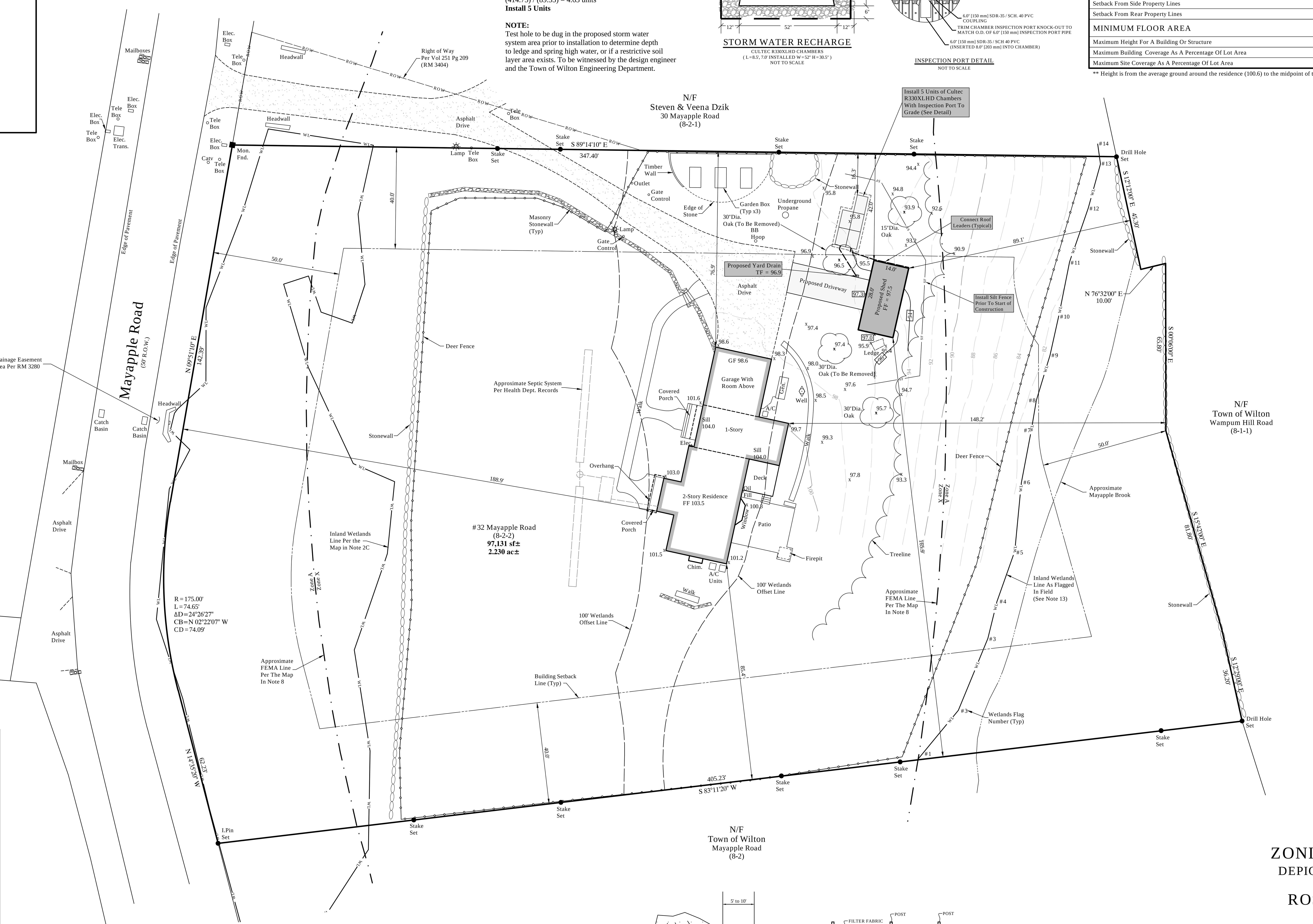
STORM WATER RECHARGE
CULTEC R330XLHD CHAMBERS
(L=8.5', 7.0' INSTALLED W=52" H=30.5")
NOT TO SCALE



INSPECTION PORT DETAIL
NOT TO SCALE

RESIDENCE ZONE R-2A	MINIMUM REQUIRED MAXIMUM ALLOWED	EXISTING CONDITIONS	PROPOSED CONDITIONS	AS-BUILT CONDITIONS
Minimum Lot Area	87,120 sf	97,131 sf	97,131 sf	
Minimum Lot Frontage	25'	279.27'	279.27'	
Minimum Lot Width and Depth	200'	200' +	200' +	
MINIMUM SETBACK				
Setback From Front Property Line	50'	188.9'	188.9'	
Setback From Side Property Lines	40'	76.9'	76.9'	
Setback From Rear Property Lines	50'	148.2'	148.2'	
MINIMUM FLOOR AREA				
Maximum Height For A Building Or Structure	2-1/2 Stories/35'	2 Stories /23.8'±**	2 Stories /23.8'±**	
Maximum Building Coverage As A Percentage Of Lot Area	7%	2.5%	2.9%	
Maximum Site Coverage As A Percentage Of Lot Area	12%	4.6%	5.4%	

** Height is from the average ground around the residence (100.6) to the midpoint of the roof.



LEGEND

- EXISTING CONTOUR
- EXISTING SPOT ELEVATION
- FF — FINISHED FLOOR
- GF — GARAGE FLOOR
- INLAND WETLANDS WITH FLAG #
- BUILDING SETBACK LINE
- CATCH BASIN
- CONIFER TREE
- DECIDUOUS TREE
- EXISTING IRON PIN/PIPE
- EXISTING MONUMENT
- GAS VALVE
- HYDRANT
- LAMP
- MAILBOX
- MANHOLE
- UTILITY POLE
- SIGN
- WATER VALVE
- WELL

NOTES:

1. This survey and map has been prepared in accordance with the Sections 20-300b-1 through 20-300b-20 of the Regulations of Connecticut State Agencies - "Minimum Standards for Survey and Maps in the State of Connecticut" as endorsed by the Connecticut Association of Land Surveyors, Inc., August 29, 2019. It is a Zoning Location Survey based upon a Resurvey and conforms to Horizontal Accuracy Class A-2 and Topographical Class T-2.
2. Reference is made to the following documents:
   A. RM 3280-"Subdivision; Prepared for; Kaj Snellman; Wilton, Conn.; Scale: 1" = 100'; June 18, 1973; Revised to: Nov 8, 1973; by Ryan and Faulds."
   B. RM 3404-"Map Showing Right of Way; Prepared for Kaj Snellman; Wilton, Conn.; scale: 1" = 100'; By Ryan and Fields; Sept. 5, 1975."
   C. "Map of Property; Prepared for Taylor & Rosalie Witt; #32 Mayapple Road; Wilton, Connecticut; October 3, 2022; Scale: 1" = 20'; By Hammons LLC."
   D. Volume 2552 Page 1072 (Owner of Record)
   E. Volume 251 Page 209 (Right of Way Easement)
   F. Volume 220 Page 243 (CL&P Easement)
3. The underground utilities shown, if any, have been located from visible field survey information. No attempt has been made as a part of this survey to obtain or show data concerning existence, size, depth, condition, capacity, or location of any utilities or municipal/public service facilities. The surveyor makes no guarantees that the underground utilities shown comprise all such utilities in the area either in service or abandoned. For information regarding these utilities or facilities, please contact the appropriate agencies. Call Before You Dig, Inc. (1-800-922-4455).
4. Distances shown ± from buildings to property lines are for reference purposes only and are not to be used to establish boundaries.
5. Zoning information shown on this map must be reviewed and confirmed by the appropriate Town of Wilton authorities prior to use.
6. Property is served by private well and septic.
7. Unauthorized alterations or additions to this survey, which bears the surveyor's embossed seal, renders any declaration shown hereon null and void.
8. The property is located in Zone X and Zone A per FEMA Flood Map #09001C0381F; Panel 381 of 626; Effective Date: 6/18/2010.
9. Reference is hereby made to Connecticut General Statute 8-13a, as amended, with regards to existing structures three or more years old.
10. The elevations depicted hereon are on a random system.
11. It is the owner's and/or contractor's responsibility to obtain any and all required permits and/or variances that may be required prior to any construction activity.
12. The wetlands in the front yard were flagged by William Kenny on August 28, 2007.
13. The wetlands in the rear yard were flagged by Steven Danzer PhD & Associates LLC on January 5, 2024 and located in the field by Shevlin Land Surveying, LLC.

ZONING LOCATION SURVEY
DEPICTING PROPOSED CONDITIONS
PREPARED FOR
ROSALIE & TAYLOR WITT
#32 MAYAPPLE ROAD
WILTON, CONNECTICUT

NOT VALID UNLESS EMBOSSED WITH SEAL OR FIXED WITH THE LIVE STAMP OF THE SIGNATORY

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

Michael S. Shevlin Jr. PLS #70339

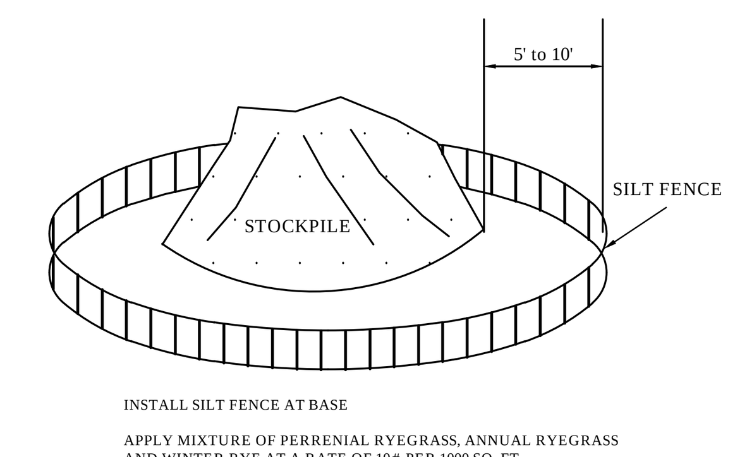
NOT VALID UNLESS EMBOSSED WITH SEAL OR FIXED WITH THE LIVE STAMP OF THE SIGNATORY

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

Michael Buturla, P.E., L.S. #13290

ALL WORK, LABOR, AND MATERIALS TO BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES AND LAWS WHICH SHALL TAKE PRECEDENCE OVER THESE DRAWINGS IN THE EVENT OF ERRORS AND/OR OMISSIONS HEREIN.

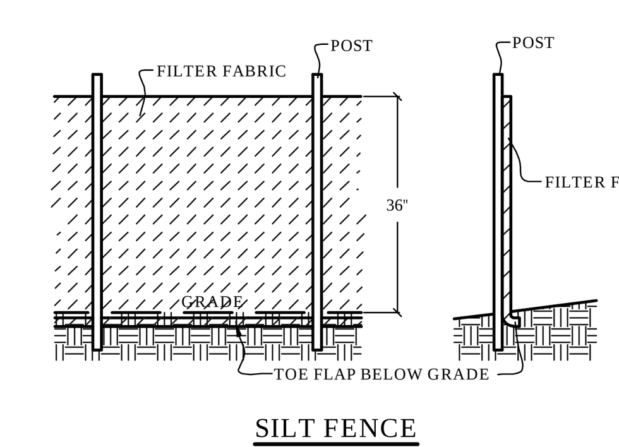
THE WORD "CERTIFY" OR "DECLARE" IS UNDERSTOOD TO BE AN EXPRESSION OF PROFESSIONAL OPINION BY THE LAND SURVEYOR AND/OR ENGINEER, WHICH IS BASED ON THEIR BEST KNOWLEDGE, INFORMATION AND BELIEF. AS SUCH IT CONSTITUTES NEITHER A GUARANTEE OR WARRANTY.



INSTALL SILT FENCE AT BASE

APPLY MIXTURE OF PERRENIAL RYEGRASS, ANNUAL RYEGRASS AND WINTER RYE AT A RATE OF 10# PER 1000 SQ. FT.

STOCKPILE STABILIZATION
NOT TO SCALE



SILT FENCE
NOT TO SCALE

NO.	DATE	DESCRIPTION
1	3-19-24	Add Drainage & Grading

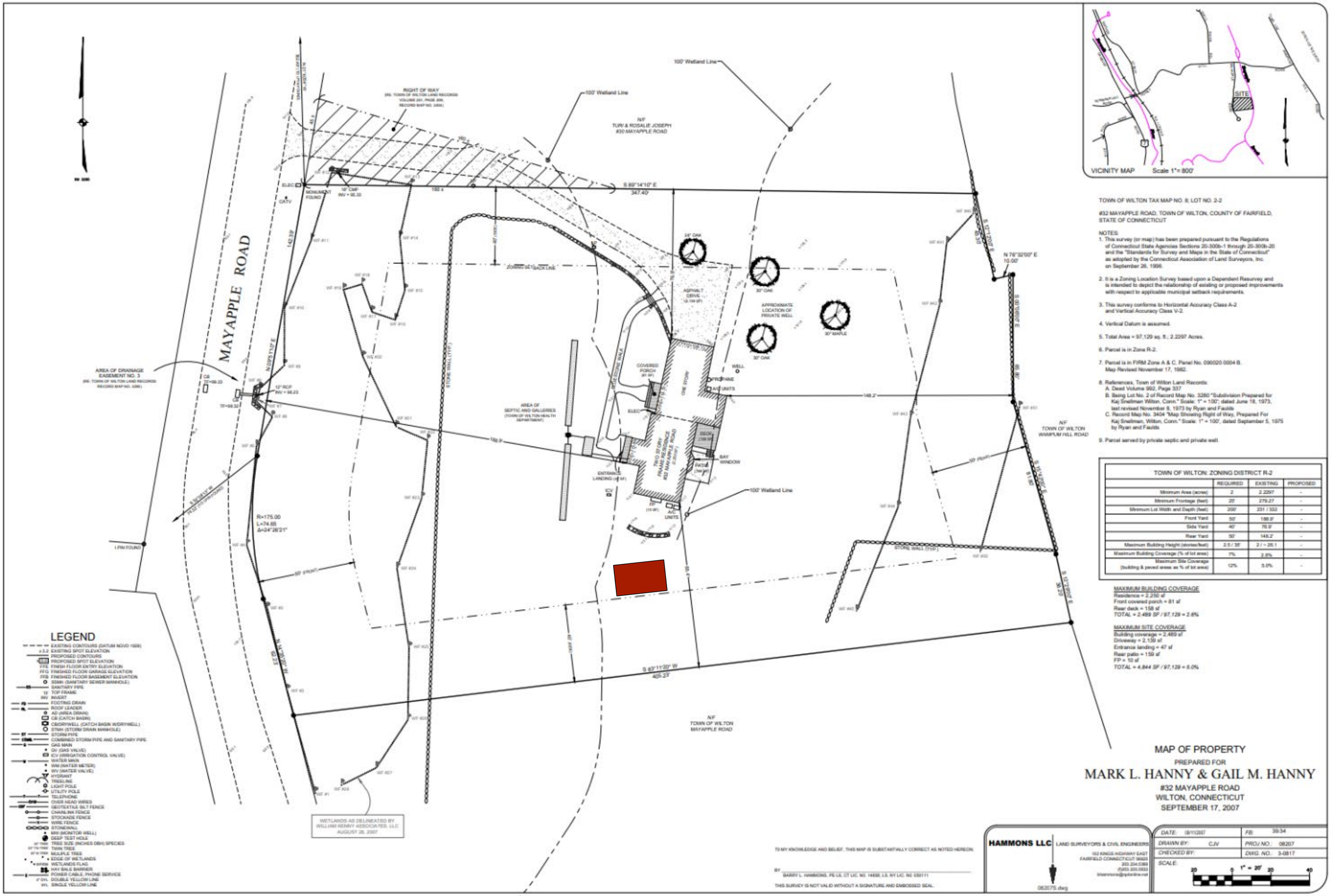
REVISIONS

DATE:	SCALE:	DRAFTER:	JOB NUMBER:	FILE NUMBER:
2-12-2024	1" = 20'	DCH	14422	

SHEVLIN LAND SURVEYING, LLC
593 Main Street, Monroe, CT - 303 Linwood Avenue, Fairfield, CT
(203)-218-5840 - ShevlinLS.com

MAP #D-0026

APPLICATION FOR AN INTERMEDIATE REGULATED ACTIVITY – Section D - Sketch Plans depicting the alternatives considered
Location not chosen due to existing site conditions.



TOWN OF WILTON TAX MAP NO. 8; LOT NO. 2-2

#32 MAYAPPLE ROAD, TOWN OF WILTON, COUNTY OF FAIRFIELD, STATE OF CONNECTICUT

NOTES:
1. This survey (or map) has been prepared pursuant to the Regulations of Connecticut State Agencies Sections 20-300b-1 through 20-300b-20 and the "Standards for Survey and Maps in the State of Connecticut" as adopted by the Connecticut Association of Land Surveyors, Inc. on September 26, 1996.
2. It is a Zoning Location Survey based upon a Dependent Resurvey and is intended to depict the relationship of existing or proposed improvements with respect to applicable municipal setback requirements.
3. This survey conforms to Horizontal Accuracy Class A-2 and Vertical Accuracy Class V-2.
4. Vertical Datum is assumed.
5. Total Area = 97,129 sq. ft.; 2.2297 Acres.
6. Parcel is in Zone R-2.
7. Parcel is in FIRM Zone A & C. Panel No. 090020 0004 B. Map Revised November 17, 1982.
8. References, Town of Wilton Land Records:
   A. Deed Volume 992, Page 337
   B. Being Lot No. 2 of Record Map No. 3280 "Subdivision Prepared for Kaj Snellman Wilton, Conn." Scale: 1" = 100'; dated June 18, 1973, last revised November 8, 1973 by Ryan and Faulds
   C. Record Map No. 3404 "Map Showing Right of Way, Prepared For Kaj Snellman, Wilton, Conn." Scale: 1" = 100', dated September 5, 1975 by Ryan and Faulds
9. Parcel served by private septic and private well.

TOWN OF WILTON: ZONING DISTRICT R-2			
	REQUIRED	EXISTING	PROPOSED
Minimum Area (acres)	2	2.2297	-
Minimum Frontage (feet)	25'	279.27	-
Minimum Lot Width and Depth (feet)	200'	231 / 333	-
Front Yard	50'	188.9'	-
Side Yard	40'	76.9'	-
Rear Yard	50'	148.2'	-
Maximum Building Height (stories/feet)	2.5 / 35'	2 / ~ 25.1	-
Maximum Building Coverage (% of lot area)	7%	2.6%	-
Maximum Site Coverage (building & paved areas as % of lot area)	12%	5.0%	-

MAXIMUM BUILDING COVERAGE
Residence = 2,250 sf
Front covered porch = 81 sf
Rear deck = 158 sf
TOTAL = 2,489 SF / 97,129 = 2.6%

MAXIMUM SITE COVERAGE
Building coverage = 2,489 sf
Driveway = 2,139 sf
Entrance landing = 47 sf
Rear patio = 159 sf
FP = 10 sf
TOTAL = 4,844 SF / 97,129 = 5.0%

LEGEND
- EXISTING CONTOURS (DATUM NGVD 1988)
- x 3.2 EXISTING SPOT ELEVATION
- PROPOSED CONTOURS
- PROPOSED SPOT ELEVATION
- FFE FINISH FLOOR ENTRY ELEVATION
- FFG FINISHED FLOOR GARAGE ELEVATION
- FFB FINISHED FLOOR BASEMENT ELEVATION
- SSMH (SANITARY SEWER MANHOLE)
- SANITARY PIPE
- TIP TOP FRAME
- INV. INVERT
- FD FOOTING DRAIN
- RL ROOF LEADER
- AD (AREA DRAIN)
- CB (CATCH BASIN)
- CBDRYWELL (CATCH BASIN W/DRYWELL)
- STMH (STORM DRAIN MANHOLE)
- ST STORM PIPE
- COMB. COMBINED STORM PIPE AND SANITARY PIPE
- GAS MAIN
- GV (GAS VALVE)
- ICV (IRRIGATION CONTROL VALVE)
- WATER MAIN
- WM (WATER METER)
- WV (WATER VALVE)
- HYDRANT
- TREELINE
- LIGHT POLE
- UTILITY POLE
- TELEPHONE
- OHW OVER HEAD WIRES
- GSF GEOTEXTILE SILT FENCE
- CHAINLINK FENCE
- STOCKADE FENCE
- WIRE FENCE
- STONEWALL
- MW (MONITOR WELL)
- DEEP TEST HOLE
- 30" TREE TREE SIZE (INCHES DBH) SPECIES
- 30"/24"/TWIN TWIN TREE
- 30"/24"/TRIPLE MULIPLE TREE
- EDGE OF WETLANDS
- WETLANDS FLAG
- HAY BALE BARRIER
- POWER CABLE, PHONE SERVICE
- 4" DYL DOUBLE YELLOW LINE
- WYL SINGLE YELLOW LINE

MAP OF PROPERTY
PREPARED FOR
MARK L. HANNY & GAIL M. HANNY
#32 MAYAPPLE ROAD
WILTON, CONNECTICUT
SEPTEMBER 17, 2007

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

BY: _____
BARRY L. HAMMONS, PE LS, CT LIC. NO. 14498, LS, NY LIC. NO. 050111

THIS SURVEY IS NOT VALID WITHOUT A SIGNATURE AND EMBOSSED SEAL.

HAMMONS LLC LAND SURVEYORS & CIVIL ENGINEERS
102 KINGS HIGHWAY EAST
FAIRFIELD CONNECTICUT 06825
203.334.5369
(fx)203.335.0833
bhammons@optonline.net

08207S.dwg

DATE:	09/11/2007	FB:	39-34
DRAWN BY:	CJV	PROJ NO.:	08207
CHECKED BY:		DWG. NO.:	3-0817
SCALE:	1" = 20'		