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 \$ Date of Submission Date of Acceptance	WET#				
Applicant Tim and Lindsey Geitz Address 8 Seeley Road, Wilton CT 06897	Agent (if applicable)				
Telephone 203-515-9308 Email Tim@GeitzDesign.com	Telephone				
Property Address 8 Seeley Road, Wilton CT 06897 Site Acreage 1.25 AC					
Acres of altered Wetlands On-Site 0 Linear Feet of Watercourse 380 Linear Feet of Open Water 0	Cu. Yds. of Material Excavated				
Sq. Ft. of proposed and/or altered impervious coverage	Sq. Ft. of disturbed land in regulated area0				
Is The Site Within a Public Water Supply Watershed Boundary? NOYES*	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.

Pa	nge 2 App	olication for an Intermediate Regulated Activity				
Pr	oject De	scription and Purpose: See separate letter (attached)				
_						
		e applicant shall provide nine (9) collated copies of the following information as well as an electronic submission ike.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				
X	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				
X	I.	Description and maps detailing the watershed of the Regulated Area				
×	J.	One original application form and eight (8) copies				
**Ap _j sided	_	materials shall be collated and copies of documents more than two pages in length shall be double				
		of the Wetlands and Watercourses Regulations of the Town of Wilton for a more detailed description of equirements.				
		or his/her agent certifies that he is familiar with the information provided in this application and is aware of or obtaining a permit through deception, inaccurate or misleading information.				
Comn	nissionei	s application, permission is hereby given to necessary and proper inspections of the subject property by the sand designated agents of the Commission or consultants to the Commission, at reasonable times, both before all decision has been rendered.				
Appli	cant's Sig	gnature: Timothy A. Gritz Date: April 19, 2021				

Agent's Signature (if applicable) ______ Date:__

Inland Wetlands Commission Town Hall Annex 238 Danbury Road Wilton, CT 06897

RE: Application for an Intermediate Regulated Activity – FILL MATERIAL 8 Seeley Road, Wilton CT 06897

Dear Commission Members –

This correspondence is in response to the requested description of fill material to be used at the property noted above.

DESCRIPTION:

The fill material that we will be utilizing to elevate the grade in order to create additional grass area will consist of the following –

- 1- +/- 70 yards of clean screen fill the material will not have large chunks of dirt or debris that can hinder the dirt's function. Fill material will have no toxins, chemicals or other byproducts are present.
- 2- 3" of topsoil (+/- 5 yards)

We will grade this area to the extent of the existing natural stone wall down to the existing delineated wetland line. The proposed fill at this area will be brought to the top of the existing well cap. Please see site plan for location on property.

Photo of the proposed area to be filled





We would be happy to further address any questions with the Commission.

Thank you for your time.

Lindsey and Tim Geitz

Inland Wetlands Commission Town Hall Annex 238 Danbury Road Wilton, CT 06897

RE: Application for an Intermediate Regulated Activity – NARRATIVE / PROJECT DESCRIPTION 8 Seeley Road, Wilton CT 06897

Dear Commission Members -

This Narrative will serve to describe the proposed scope of work requested for the Intermediate Regulated Activity for the property location noted above.

It is important for us once again to apologize for removing the 11 trees on our property without obtaining permission from the Town. It is important that it be recognized that we did not realize that a permit would need to be issued prior to commencing this work.

The following list describes the items that we are asking the Commission to grant permission for under this Intermediate Application.

DESCRIPTION / REQUEST FOR PERMISSION (Landscape Plans Included for reference)

- 1- Complete the proposed trimming of dead branches located on one large tree (West side of the front yard)
- 2- Complete the removal of one pine tree that was previously topped (but not fully removed) on the West side of the house (see site plan sketch for location)
- 3- Install (3) Native Deciduous White Dogwood Trees (Cornus Florida) along the West side of the property toward the Norwalk River (see Proposed Landscape Plan for locations and images/description below). Low ground cover is currently established in this area with a mature bed of Skunk Cabbage and native grasses (see picture below).



- 4- Install (18) native plants and ornamental grasses along and existing mulch bed area on the west side of the house
- 5- Bring in approx. 75 yards of fill, in order to level a portion of the rear yard that will properly conceal the exposed well cap and allow for approximately 800 s.f. of additional grass area (see separate letter describing fill material including photos)
- 6- Request permission under this application to install future plants, native grasses and flowering bushes along the Eastern side of the property over the course of the next year (see proposed Landscape Plan sketch for location)

The noted trailer that had been placed within the wetland area was placed in this position temporarily during the tree work in order to make room for the tree company to maneuver. The trailer was removed from the wetland area the same day that Zen was on site.

The noted pile of yard waste noted at the rear of the property that were deep in the woods was created well before we purchased the parcel by the previous owners. When the Cease and Desist order was modified allowing us to clean up the yard we had the pile of branches cleaned up and removed

As we discussed during our Show Cause Hearing, our property has an abundance of trees that continue to fight to survive due to the overgrown canopy that exists. We feel that the new selections made will not complete and will only help the property with lower ground cover. The new medium height canopy will also add some well needed color to the existing landscape as well. Below are images of the landscape materials we are proposing.

Tree Materials -



White Dogwood Tree

Noted for its 4 seasons of interest, Cornus florida (Flowering Dogwood) is a large shrub or small deciduous tree adorned with a rounded to flat-topped canopy and elegant horizontal or tiered branches. In spring, profuse star-like blooms, 3-4 in. across (7-10 cm), appear usually before the leaves. They consist of four narrowly pointed white bracts which surround the center cluster of tiny green flowers. The blossoms give way to rounded, glistening orange-red fruit in summer, which may persist until late in the year, unless devoured by hungry birds. In summer, its canopy of layered branches, clad with broadly oval, mid-green leaves, provides shade and beauty. In the fall, it offers spectacular bright red color when its foliage turns attractive shades of purple and scarlet. Light gray and smooth when young, the bark becomes gray-brown and develops a distinctive pattern that looks like alligator skin as the tree matures, adding interest to the winter landscape. A magnificent landscape tree regarded by many gardeners as one of the best small flowering trees.

- Grows up to 15-30 ft. tall and wide (4-9 m).
- Performs best in part shade, in fertile, evenly moist, acidic to neutral, well-drained soils. Tolerates full sun but tends to be denser. Keep roots cool with a mulch in summer and provide shelter in exposed locations.
- Generally pest free. Keep an eye out for cornus anthracnose and horse chestnut scale. Deer resistant.
- Great choice as a specimen near patios or in lawns, in shrub borders, woodland gardens, or naturalized areas.

Low Ground Cover Planting Materials -



Oak Sedge (Carex albicans)



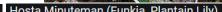
Creek Sedge (Carex amphibola)









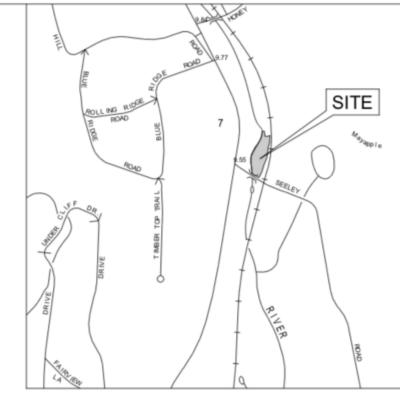


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Lindsey and Tim Geitz

FLOOD ZONE X FLOOD ZONE X-SHADED FEMA FLOODWAY LINE FINISH CUTTING PINE TREE 382'± ALONG THE CENTERLINE OF THE NORWALK RIVER (3) PROPOSED TREES NORWALK INS ALONG THE EDGE OF THE NORWALK RIVER #22305/ #22386 EXISTING TREE GEODETIC BENCH MARK #2398 DISC IN LEDGE EL=248.52 FUTURE LOCATION OF LOW GRASSES, PLANTS R=1422.18' AND FLOWERING BUSHES L=61.82' Tan=30.91' PROPOSED SITE PLAN



CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20 AND THE THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996.

2. THE TYPE OF SURVEY PERFORMED IS AN IMPROVEMENT LOCATION SURVEY AND IS

3. THE BOUNDARY DETERMINATION/OPINION IS BASED UPON A RESURVEY OF MAP

4. THIS SURVEY CONFORMS TO HORIZONTAL ACCURACY CLASS A-2 AND VERTICAL ACCURACY CLASS V-3.

5. THE ELEVATIONS DEPICTED HEREON ARE BASED UPON N.A.V.D. 1988 DATUM DERIVED FROM CGS MONUMENTS #405 AND #406. 6. THE BEARINGS DEPICTED HEREON ARE BASED UPON N.A.D. 1927 DERIVED FROM CGS MONUMENTS #405 AND #406.

7. THE SUBJECT PARCEL APPEARS TO LIE WITHIN FLOOD ZONE(S) X-SHADED AND AE AS DEPICTED ON FEMA'S FLOOD INSURANCE RATE MAP (FIRM) ENTITLED: FAIRFIELD COUNTY, CONNECTICUT (ALL JURISDICTIONS); PANEL 381 OF 626; MAP NUMBER 09001C 0381F; EFFECTIVE DATE: JUNE 18, 2010; SCALE: 1"=500'. ANY FEMA FLOODPLAIN AND/OR FLOODWAY INFORMATION DEPICTED HEREON IS APPROXIMATE ONLY AND DOES NOT IN ANY WAY CONSTITUTE AN OPINION OR REPRESENTATION OF ACTUAL FLOODPLAIN AND/OR FLOODWAY INFORMATION BY PEREIRA ENGINEERING, LLC (PE). PE DOES NOT WARRANT THE ACCURACY OF THIS INFORMATION, AND MAKES NO REPRESENTATIONS UPON WHICH THE CLIENT SHOULD RELY IN CONNECTION WITH THE FLOOD ZONE OF THE SUBJECT PARCEL OR ANY FEMA FLOODPLAIN AND/OR FLOODWAY

VISIBLE EVIDENCE OF SURFACE AND OVERHEAD STRUCTURE LOCATIONS AND AS COMPILED FROM EXISTING RECORD MAPPING AVAILABLE DURING THE PREPARATION OF THE SURVEY. ALL CONTRACTORS SHOULD CONTACT "CALL BEFORE YOU DIG" AT 1(800)922-4455 FOR VERIFICATION OF UTILITY INFORMATION PRIOR TO START OF ANY

8. UTILITY INFORMATION DEPICTED HEREON IS APPROXIMATE AND IS BASED ON

9. STREAM CHANNEL ENCROACHMENT LINES WERE REPEALED PER PUBLIC ACT

WILTON, CONNECTICUT, PREPARED FOR TIM AND LINDSEY GEITZ"; SCALE: 1"=20'; DATED: AUGUST 11, 2008; REVISED THROUGH: JANUARY 16, 2013; PREPARED BY: PEREIRA

TOWN OF WILTON RESIDENTIAL DISTRICT R-2A					
		REQUIRED	ASBUILT		
.OT: A	rea (Min.)	2 AC	1.25± AC		
WIDTH & DEPTH		200'	W >200' D >450'		
	Frontage	25'	122'±		
TBACKS:	Front	50'	72.6'		
	Side	40'	4.4'		
	Rear	50'	226.3'		
UILDING:	Height	2 1/2 stories or 35 ft.	< 35'		
uilding Coverage (Max.) 7%		7%	< 4%		
Site Coverage (Max.)		12%	< 5%		

LEGEND

54,660± S.F. (1.25 ± ACRES)

DEED REFERENCE VOL. 51 PG. 437



IMPROVEMENT LOCATION SURVEY

AS-BUILT

8 SEELEY ROAD WILTON, CONNECTICUT

TIM AND LINDSEY GEITZ

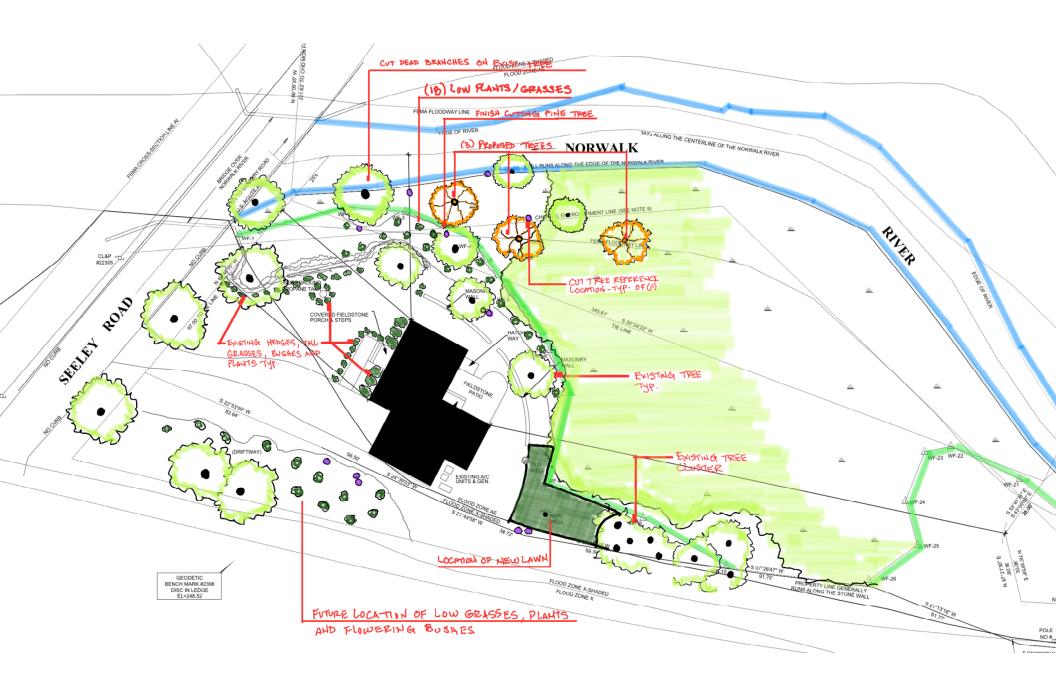
as noted hereon.

Pereira Engineering, LLC CIVIL & ENVIRONMENTAL One Enterprise Drive, Suite 312 Phone: (203) 944-9944 Shelton, CT 06484 Fax: (203) 944-9945 homepage: www.pereiraeng.com

email: mail@pereiraeng.com

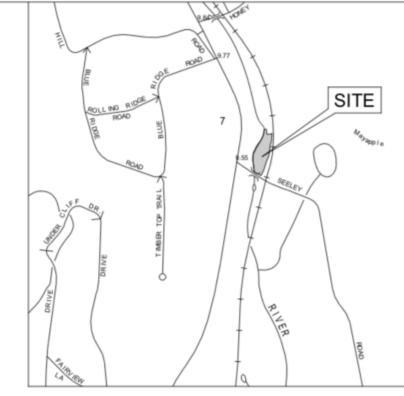
TOTAL PARCEL AREA

To my knowledge and belief, this map is substantially correct



Proposed Landscape Plan - PARTIAL

FLOOD ZONE X FLOOD ZONE X-SHADED FLOOD ZONE X-SHADED FLOOD ZONE AE FEMA FLOODWAY LINE 382'± ALONG THE CENTERLINE OF THE NORWALK RIVER - NORWALK RUNS ALONG THE EDGE OF THE NORWALK RIVER #22305/ COVERED FIELDSTONE #22386 - EXISTING TREE LOCATION 49 MAPLE TREES (DEAD TREE AND EXPOSED POOTS GEODETIC PROPERTY LINE GENERALLY RUNS ALONG THE STONE WALL BENCH MARK #2398 DISC IN LEDGE EL=248.52 R=1422.18' L=61.82' Tan=30.91' EXISTING SITE PLAN



LOCATION MAP

NOTES:

1. THIS SURVEY AND MAP HAVE BEEN PREPARED PURSUANT TO THE REGULATIONS (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.

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 THE BOUNDARY DETERMINATION/OPINION IS BASED UPON A RESURVEY OF MAP REFERENCE 1.

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8. UTILITY INFORMATION DEPICTED HEREON IS APPROXIMATE AND IS BASED ON

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MAP REFERENCES:

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TOWN OF WILTON RESIDENTIAL DISTRICT R-2A					
REQUIRED			ASBUILT		
OT: A	rea (Min.)	2 AC	1.25± AC		
WIDTH & DEPTH		200'	W >200' D >450'		
	Frontage	25'	122'±		
TBACKS: Front 50'		50'	72.6'		
	Side	40'	4.4'		
	Rear	50'	226.3'		
UILDING:	Height	2 1/2 stories or 35 ft.	< 35'		
uilding Coverage (Max.)		7%	< 4%		
Site Coverage (Max.)		12%	< 5%		

PROPERTY LINE

RIGHT OF WAY

EASEMENT LINE

STONE WALL

STRUCTURE

EDGE OF PAVEMENT

CATCH BASIN

STORM MANHOLE

WATER

WATER

WATER

WATER

DECIDUOUS TREE

BUSH

CHAIN LINK FENCE

WOOD FENCE

GUIDERAIL

LIGHT POLE

UTILITY POLE

HYDRANT

GAS

WATER VALVE

ELECTRIC

GAS VALVE

TELEPHONE

FIBER OPTIC LINE

OVERHEAD WIRES

DECONTOURS

CONTOURS

CONTOURS

CONTOURS

SPOT ELEVATION

CONTOURS

SPOT ELEVATION

LIGHT POLE

UTILITY POLE

HYDRANT

GAS

MONUMENT FOUND

IRON PIPE OR PIN FOUND

DRILL HOLE FOUND

TOTAL PARCEL AREA 54,660± S.F. (1.25 ± ACRES)

Pereira Engineering, LLC

Phone: (203) 944-9944

Fax: (203) 944-9945

CIVIL & ENVIRONMENTAL

One Enterprise Drive, Suite 312

homepage: www.pereiraeng.com

email: mail@pereiraeng.com

Shelton, CT 06484

DEED REFERENCE VOL. 51 PG. 437 **AS-BUILT**



IMPROVEMENT LOCATION SURVEY

8 SEELEY ROAD
WILTON, CONNECTICUT

TIM AND LINDSEY GEITZ

DATE: NOVEMBER 26, 2014

SC ALE: 1"=20'

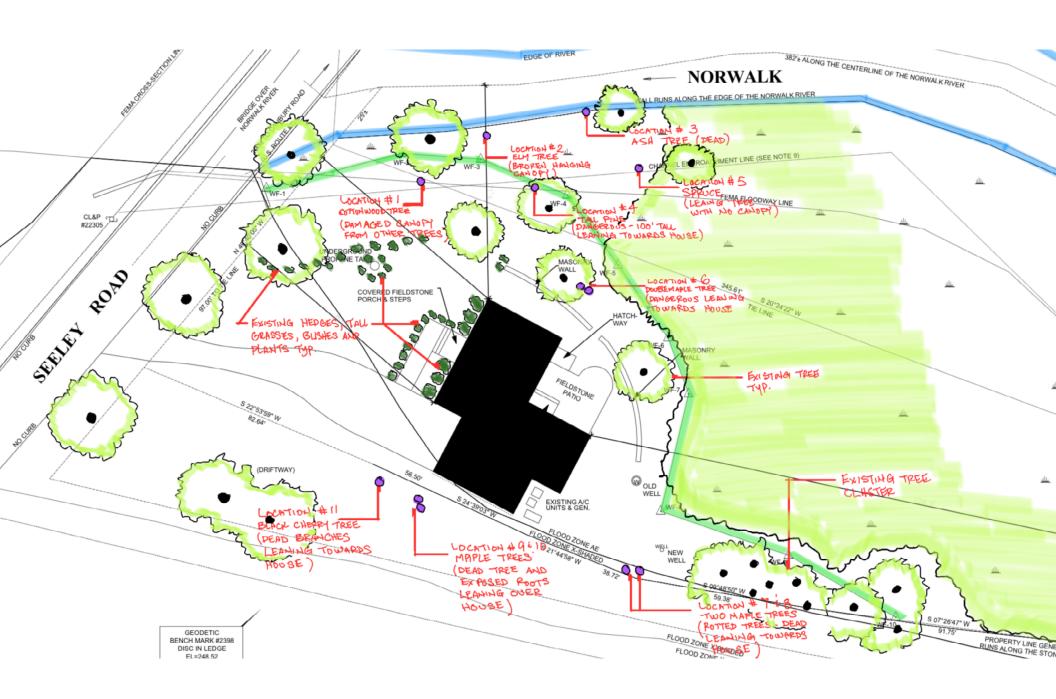
DWG: ESR FLD: JWD

S-1 SHEET 1 OF 1

CAD REF. NO. 0656ABLT

as noted hereon.

To my knowledge and belief, this map is substantially correct



Existing Landscape Plan - PARTIAL

WILTON LAND CONSERVATION TRUST **SLR PROPERTIES LLC DARBANDI ALIREZA** 34 POWDER HORN HILL P O BOX 77 PO BOX 622 WILTON CT 06897 WILTON CT 06897 WILTON CT 06897 22-26 22-27 22-27-1 **GEITZ TIMOTHY A & LINDSEY R WAGNER CHRISTOPHER P & ELLEN M HEGGLAND ROSE** 8 SEELEY RD 120 HONEY HILL RD 22 SEELEY RD

CT 06897

22-25

WILTON

CT 06897

22-21

WILTON

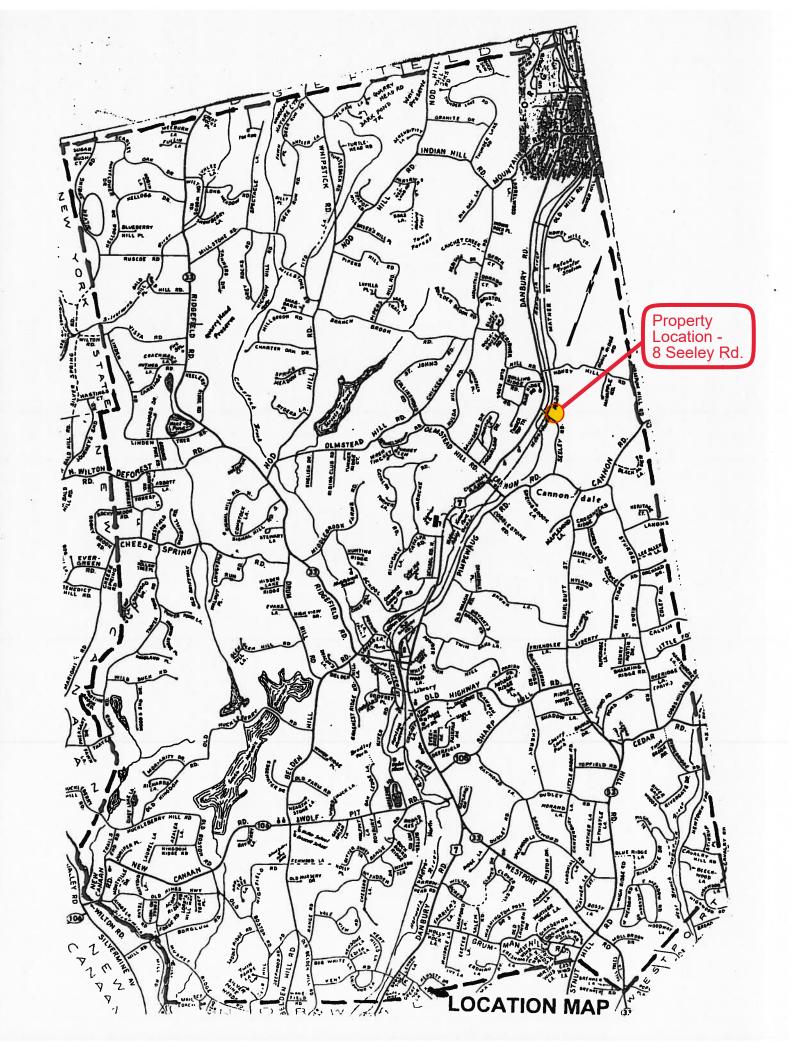
22-27-2
HEGGLAND ROSE
120 HONEY HILL RD
WILTON CT 06897

CT 06897

22-2

WILTON

Names and Addresses of ajoining property Owners



LOCATION SKETCH SCALÉ 1"= 800' * 8 SEELEY ROAD





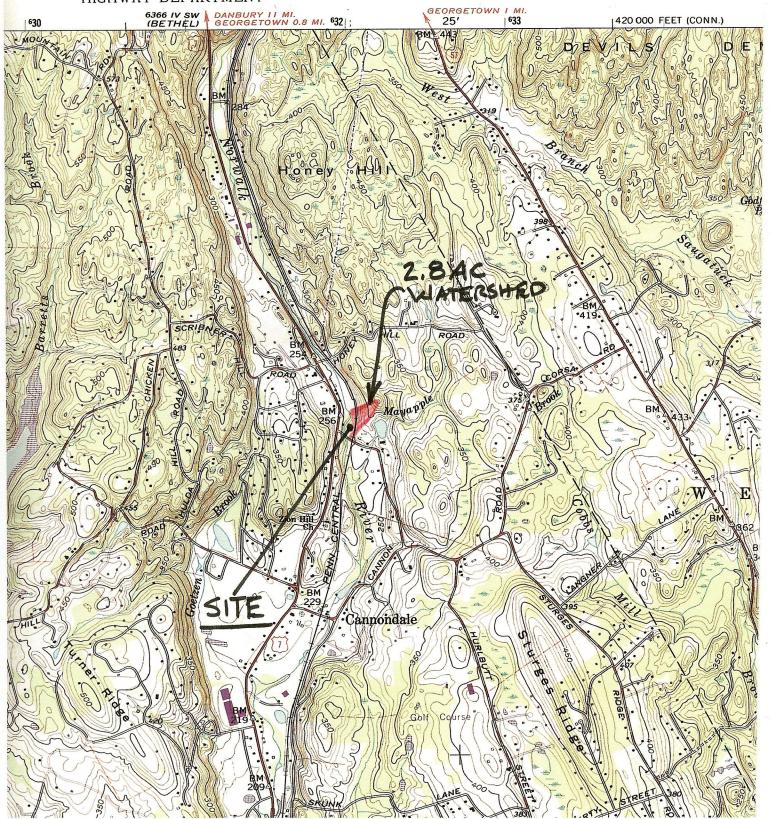
WATERSHED SKETCH 1"=2000" P

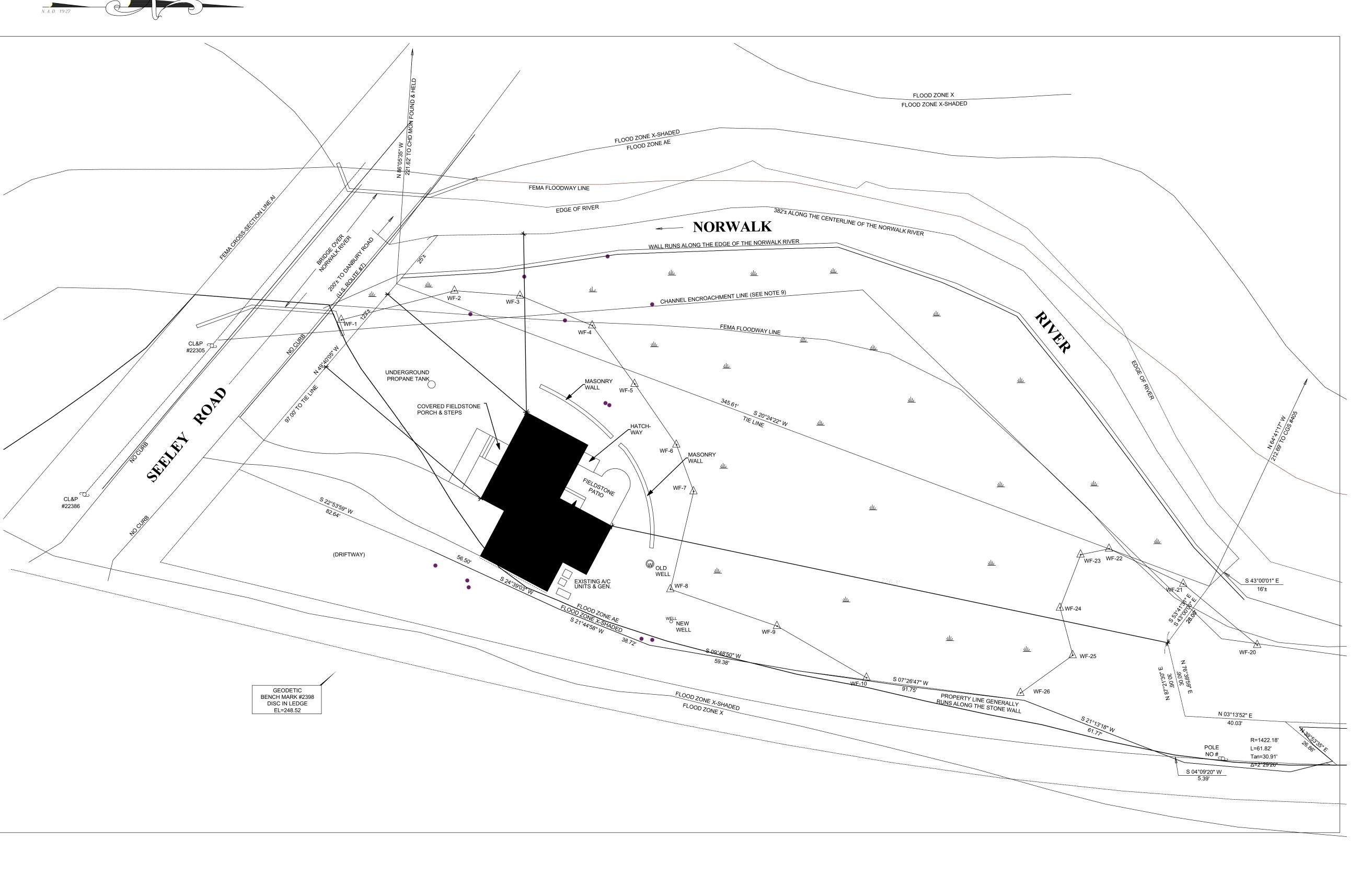
The site is 1.4 Acres of Land Loated between the easterly railroad tracks and the westerly Norwalk River. The watershed generating water which drains across the subject parcel is approx. 2.8AC.

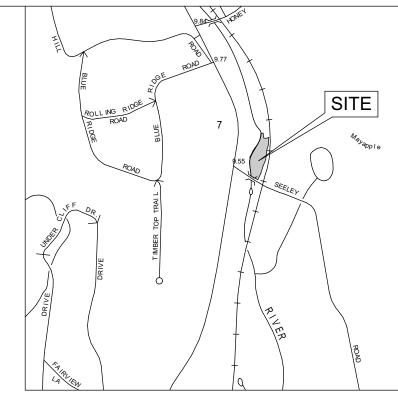
NOR'

STATE OF CONNECTICUT HIGHWAY DEPARTMENT

7.5 1







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> DEED REFERENCE VOL. 51 PG. 437

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Shelton, CT 06484

Phone: (203) 944-9944

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AS-BUILT

TIM AND LINDSEY GEITZ



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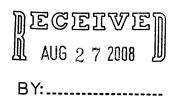
IMPROVEMENT LOCATION SURVEY Pereira Engineering, LLC
CIVIL & ENVIRONMENTAL 8 SEELEY ROAD WILTON, CONNECTICUT

Edward S. Ruchin, P.L.S. Conn. # 15460

as noted hereon.

To my knowledge and belief, this map is substantially correct

PREPARED FOR



WILLIAM KENNY ASSOCIATES LLC

SOIL SCIENCE ECOLOGICAL SERVICES LAND USE PLANNING LANDSCAPE ARCHITECTURE

July 30, 2008

Mr. Joseph Pereira Pereira Engineering, LLC One Enterprise Drive, Suite 312 Shelton, CT 06848

Re:

Wetland and Watercourse Delineation

8 Seeley Road, Wilton, Connecticut

Dear Mr. Pereira:

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, July 30, 2008. In summary, one inland wetland and watercourse system was identified and delineated. The system, which is located in the western, central and northern portions of the property, includes a short segment of the Norwalk River (perennial watercourse) and an adjacent forested, floodplain wetland.

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.

Mr. Joseph Pereira

Re: 8 Seeley Road, Wilton, Connecticut

Page 2

The <u>Tidal Wetlands Act</u> (Connecticut General Statutes §22a-28) defines <u>wetlands</u> 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).

<u>Wetland</u> 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.

<u>Tidal wetland</u> 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.

<u>Intermittent watercourse</u> 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 ° F. The upland soil was moist and the wetland soil was moist to saturated.

Results

The approximate 1.5-acre residential property is located at 8 Seeley Road in Wilton, Connecticut. Seeley Road borders the southern property boundary. Property improvements include a single-family residence, a septic system and an asphalt driveway. The vegetative cover in the southern portion of the property is lawn with other ornamentals and shade trees. A broadleaved deciduous woodland is present in the central and northern portions of the property.

One inland wetland and watercourse system was identified and delineated. The system, which is located in the western, central and northern portions of the property, includes a short segment of the

Mr. Joseph Pereira Re: 8 Seeley Road, Wilton, Connecticut

Norwalk River (perennial watercourse) and an adjacent forested, floodplain wetland. Wetland soils are primarily poorly drained fine sandy loams that formed from alluvial 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 10 and 20 to 26.

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.

<u>Sym</u> .	<u>Map Unit</u> <u>Name</u>	Parent <u>Material</u>	Slope (%)	Drainage <u>Class</u>	<u>Higl</u> <u>Depth</u> (ft)	h Water ' <u>Kind</u>	<u>Table</u> <u>Mos</u> .	Depth To <u>Bedrock</u> (in)
<u>Upland Soil</u>								
38	Hinckley gravelly sandy loam	Glacial Outwash	3-8	Excessively Drained	>6.0			>60
50	Sutton fine sandy loam	Loose Glacial Till	3-8	Moderately Well Drained	1.5-3.5	Apparent	Nov-Apr	>60
306	Udorthents -	Excavated or Filled Soil (>2 feet)	0-45	Well Drained to Somewhat Poorly Drained	1.5->6.0ApparentNov-May		>60	
	Urban Land Complex	Pavement & structures account for 85% or more of the area. Additional investigations required to determine characteristics					nal	
<u>v</u>	Wetland Soil							
103	Rippowam fine Sandy loam	Alluvium	0-3	Poorly Drained	0.0-1.5	Apparent	Nov-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

Mr. Joseph Pereira

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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 the property at 8 Seeley Road 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.

William L. Kenny, CPWS, A

Soil Scientist

Enclosure

Ref. No. 1562

SOIL LEGEND:

UPLAND:

HINCKLEY GRAVELLY SANDY LOAM 38

WILLIAM KENNY ASSOCIATES LLC ECOLOGICAL SERVICES

LAND USE PLANNING LANDSCAPE ARCHITECTURE

SOIL SCIENCE

wkassociates.net

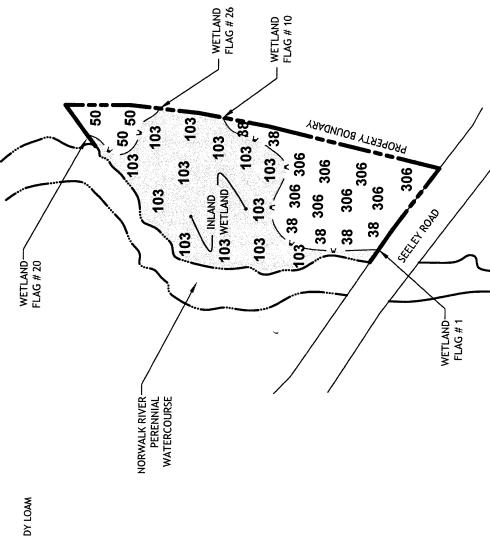
217 WEBB ROAD FAIRFIELD, CT 06825

SUTTON FINE SANDY LOAM 20

UDORTHENTS-URBAN LAND COMPLEX

WETLAND:

103 RIPPOWAM FINE SANDY LOAM



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

38, 50, 306 AND 103 ARE SOIL MAPPING UNIT SYMBOLS. SEE WETLAND DELINEATION REPORT FOR THE SOIL MAP UNIT NAMES AND ADDITIONAL

RELATED INFORMATION.

WETLAND AND SOIL INFORMATION PROVIDED BY WILLIAM KENNY ASSOC.

REPRESENTATION OF WHAT WAS FIELD MARKED (FLAGGED).

OTHER INFORMATION TAKEN FROM TOWN OF WILTON TAX MAP.

THIS DRAWING IS NOT FOR CONSTRUCTION USE.

INFORMATION SHOWN ON THIS DRAWING, INCLUDING THE WETLAND BOUNDARY, IS APPROXIMATE. THE BOUNDARY IS NOT A SURVEYED

NOTES:

WETLAND & WATERCOURSE MAP

WILTON, CONNECTICUT 8 SEELEY ROAD

SCALE: NOT TO SCALE DATE: JULY 30, 2008

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Ref. No.: 1562

NORTH