ROBERT LAGA Chairman

# TOWN OF CARMEL ENVIRONMENTAL CONSERVATION BOARD

BOARD MEMBERS

Edward Barnett Anthony Federice Nicole Sedran

NICHOLAS FANNIN Vice Chairman

RICHARD FRANZETTI, P.E. Wetland Inspector

ROSE TROMBETTA Secretary

60 McAlpin Avenue Mahopac, New York 10541 Tel. (845) 628-1500 - Ext. 190 www.ci.carmel.ny.us

#### **ENVIRONMENTAL CONSERVATION BOARD AGENDA**

## JULY 21, 2022 - 7:30 P.M.

#### **ELIGIBLE FOR A PERMIT**

<u>APPLICANT</u>	ADDRESS	TAX MAP #	COMMENTS
1. Cioffi, Frank	436 Austin Road	64.5-1-48	Construct Building In Buffer
2. Suez Water New York Inc – Chateau Wells	59 McNair Drive	75.20-1-16	Upgrades to Existing Well Site
3. Miriyagalla, Manura	65 Mexico Lane	532-1	Construct 24'x20' Garage
4. Carinci, Steven & Rosemary	69 Lakeside Road	64.18-2-73	Construct Garage, Driveway & House Addition

#### SUBMISSION OF AN APPLICATION OR LETTER OF PERMISSION

5. Frey, Scott	351,355&358 Wixon Pond Rd	53.16-1-31,32,33	Construct Single Family Home, Driveway, Septic System & Well
6. Haberman, Seth	70 Lillian Road	64.15-1-53	Extend Second Floor Den

#### **MISCELLANEOUS**

7. Minutes – 06/02/22 & 06/16/22

ROBERT LAGA Chairman

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## APPLICATION FOR WETLAND PERMIT OR LETTER OF PERMISSION

Name of Applicant: 5766 - SO// FFE
Address of Applicant: POBOX 664 Closs River, Email: Scott where a yohoo. con
Telephone# 914-804-9028 Name and Address of Owner if different from Applicant: Sauce
351-368
Property Address: WIXON POND FORD Tax Map # 53.16-1-3132,33
Agency Submitting Application if Applicable:
Location of Wetland: SOUTH SIDE OF PROPERTY
Size of Work Section & Specific Location: MEA OF DIST, 26 500 SE DIST, WETLAND BAFFELION
Size of Work Section & Specific Location: MEA OF DIST, 26 500 SF DIST, WETCHND BAFFELIO, S Will Project Utilize State Owned Lands? If Yes, Specify: NO WETCHND 1,051 SF
Type and extent of work (feet of new channel, yards of material to be removed, draining, dredging, filling, etc). A brief description of the regulated activity (attach supporting details).
CONSTRUCTION OF A DENEWAY IN THE TOOFT WETLAND
SETBACK AND PIPING A RPAINAGE Channel under THE PRIVEWAY
Proposed Start Date: 5Eft. 1, Anticipated Completion Date: 6/30/2023 Fee Paid \$ 1000; —
CERTIFICATION

#### CERTIFICATION

I hereby affirm under penalty of perjury that information provided on this form is true to the best of my knowledge and belief, false statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law. As a condition to the issuance of a permit, the applicant accepts full legal responsibility for all damage, direct or indirect, or whatever nature, and by whomever suffered, arising out of the project described here-in and agrees to indemnify and save harmless the Town of Carmel from suits, actions. damages and costs of every name and description resulting from the said project.

# Short Environmental Assessment Form Part 1 - Project Information

## **Instructions for Completing**

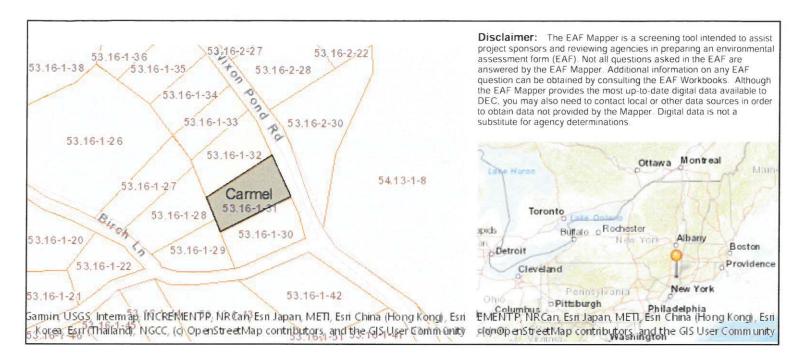
Part 1 – Project Information. The applicant or project sponsor is responsible for the completion of Part 1. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification. Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information.

Complete all items in Part 1. You may also provide any additional information which you believe will be needed by or useful to the lead agency; attach additional pages as necessary to supplement any item.

Name of Action or Project:		
FREY WIXON POND HOUSE		
Project Location (describe, and attach a location map):		
WIXON POND ROAD		
Brief Description of Proposed Action:		
CONSTRUCTION OF A SINGLE FAMILY HOUSE, DRIVEWAY, SEPTIC SYSTEM A	AND WELL	
,	WAD ANCIE	
		*
Name of Applicant or Sponsor:		
SSEL CORPORATION, SCOTT FREY OWNER	Telephone: 914 804 9	9028
Address:	E-Mail: scottwfrey@y	/ahoo.com
O Box 644		
City/PO:		
cross River	State: New York, 10518	Zip Code:
Does the proposed action only involve the legislative adoption of a planadministrative rule or regulation?	n local law and	
administrative rule, or regulation?	n, iocai iaw, ordinance,	NO YE
If Yes, attach a narrative description of the intent of the proposed action and may be affected in the municipality and proceed to Part 2. If no, continue to	d the environmental resources	s that
2. Does the proposed action require a provider to that 2. If no, continue to	o question 2.	
f Yes, list agency(s) name and permit or approval: PUTNAM COUNTY HEALT	H DEPARTMENT SERVIC AND	NO YE
a. Total acreage of the site of the process I disco		WELL
	1.24 acres	
b. Total acreage to be physically disturbed?		
c. Total acreage (project site and any contiguous properties)	0.5 acres	
b. Total acreage of the site of the proposed action?  b. Total acreage to be physically disturbed?  c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor?	0.5 acres	
<ul><li>o. Total acreage to be physically disturbed?</li><li>c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor?</li></ul>	1.24 acres	
c. Total acreage to be physically disturbed? c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor?  Check all land uses that occur on, are adjoining or near the proposed acti	1.24 acres	
c. Total acreage to be physically disturbed? c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor?  Check all land uses that occur on, are adjoining or near the proposed action of the pro	1.24 acres	urban)

5. Is the proposed action,	NO	YES	N/A
a. A permitted use under the zoning regulations?		<b>V</b>	
b. Consistent with the adopted comprehensive plan?		<b>V</b>	
6. Is the proposed action consistent with the predominant character of the existing built or natural landscape?		NO	YES
o. Is the proposed action consistent with the predominant character of the existing built of natural landscape.			$\checkmark$
7. Is the site of the proposed action located in, or does it adjoin, a state listed Critical Environmental Area?		NO	YES
If Yes, identify:		<b>V</b>	
		NO	YES
8. a. Will the proposed action result in a substantial increase in traffic above present levels?		V	
b. Are public transportation services available at or near the site of the proposed action?			H
c. Are any pedestrian accommodations or bicycle routes available on or near the site of the proposed action?		✓	
9. Does the proposed action meet or exceed the state energy code requirements?		NO	YES
If the proposed action will exceed requirements, describe design features and technologies:			
			<b>√</b>
10. Will the proposed action connect to an existing public/private water supply?		NO	YES
If No, describe method for providing potable water:		<b>√</b>	
11. Will the proposed action connect to existing wastewater utilities?		NO	YES
If No, describe method for providing wastewater treatment:		<b>√</b>	
12. a. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district	t	NO	YES
which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the		$\checkmark$	
State Register of Historic Places?			
b. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory?		<b>√</b>	
13. a. Does any portion of the site of the proposed action, or lands adjoining the proposed action, contain wetlands or other waterbodies regulated by a federal, state or local agency?		NO	YES
b. Would the proposed action physically alter, or encroach into, any existing wetland or waterbody?			
If Yes, identify the wetland or waterbody and extent of alterations in square feet or acres:			

14. Identify the typical habitat types that occur on, or are likely to be found on the project site. Check all that apply:		
Shoreline Forest Agricultural/grasslands Early mid-successional		
☐ Wetland ☐ Urban ☑ Suburban		
15. Does the site of the proposed action contain any species of animal, or associated habitats, listed by the State or	NO	YES
Federal government as threatened or endangered?  Bog Turtle		<b>√</b>
16. Is the project site located in the 100-year flood plan?	NO	YES
	$\checkmark$	
17. Will the proposed action create storm water discharge, either from point or non-point sources? If Yes,	NO	YES 🗸
a. Will storm water discharges flow to adjacent properties?	<b>V</b>	
b. Will storm water discharges be directed to established conveyance systems (runoff and storm drains)? If Yes, briefly describe:		<b>V</b>
	We	
18. Does the proposed action include construction or other activities that would result in the impoundment of water or other liquids (e.g., retention pond, waste lagoon, dam)? If Yes, explain the purpose and size of the impoundment:	NO	YES
The state of the impoundations.	$\checkmark$	
19. Has the site of the proposed action or an adjoining property been the location of an active or closed solid waste management facility?	NO	YES
If Yes, describe:	<b>✓</b>	
20.Has the site of the proposed action or an adjoining property been the subject of remediation (ongoing or completed) for hazardous waste?	NO	YES
If Yes, describe:	$\checkmark$	
I CERTIFY THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND ACCURATE TO THE BE MY KNOWLEDGE	ST OF	
Applicant/sponsor name: SCOTT FREY Date: JANUARY 11, 2	2022	
Signature: Title:	·	



Part 1 / Question 7 [Critical Environmental Area]	No
Part 1 / Question 12a [National or State Register of Historic Places or State Eligible Sites]	No
Part 1 / Question 12b [Archeological Sites]	No
Part 1 / Question 13a [Wetlands or Other Regulated Waterbodies]	Yes - Digital mapping information on local and federal wetlands and waterbodies is known to be incomplete. Refer to EAF Workbook.
Part 1 / Question 15 [Threatened or Endangered Animal]	Yes
Part 1 / Question 15 [Threatened or Endangered Animal - Name]	Bog Turtle
Part 1 / Question 16 [100 Year Flood Plain]	No
Part 1 / Question 20 [Remediation Site]	No

# JOHN KARELL, JR., P.E. 121 CUSHMAN ROAD PATTERSON, NEW YORK, 12563

845-878-7894 FAX 845 878 4939 jack4911@yahoo.com

# STORMWATER POLLUTION PREVENTION PLAN EROSION AND SEDIMENT CONTROL

SSEC CONSTRUCTION SCOTT FREY WIXON POND ROAD CARMEL (T)



June 5, 2022

#### I. INTRODUCTION

#### 1.1. Project background

The project site is vacant land located Wixon Pond Road in the Town of Carmel, Putnam County, New York. The property is identified as tax map #.53.16-1-31, 32, 33.

#### **Site Description**

The site is 1.23 acres in size. The proposed house and driveway construction will result in an increase in impervious area of 5,380 square feet, 1,600 for the house and 3,780 for the driveway, total impervious, 5,380 and 0.5 acres (square feet) of total disturbance.

#### 1.2. SWPPP Overview

It is proposed to construct a single family house that will be 1,600 square feet in size. A drilled well and septic system will provide water and sewer service to the proposed house. The purpose of this report is to address Storm Water Pollution Prevention and Management for the proposed improvements.

In accordance with the Code of the Town of Carmel and NYSDEC SPDES General Permit for Storm water Discharges from Construction Activities, General Permit GP-0-20-001, because the proposed disturbance for the project exceeds 5,000 square feet, coverage under the General Permit is required, a Notice of Intent (NOI) must be filed and a storm water pollution prevention plan is required for this project.

Construction will begin immediately after receiving approval from the Town of Carmel Building Department of a SWPPP in accordance with the provisions of the Town Code.

#### II. EXISTING SITE CONDITIONS

#### 2.0 General

The existing property is vacant. The lot is located on the west side of the Wixon Pond Road in the Town of Carmel.

Generally the topography on the site flows from west to east. The subject property is located in the West Branch NYC Watershed.

#### 2.1 Surface Water

A pocket wetland and outlet watercourse existing on this property. ..

#### 2.2 Soils

## 2.1.1. Hydrologic Soils/NRCS Web Soils Survey

Soils on the entire property are classified by the United States Department of Agriculture Soil Conservation Service as Charlton Chatfield Complex (CrC), Hydrologic soil group B from the Web Soil Survey.

The pre developed site consists of woods in good condition.

#### 2.1.2. Site Geotechnical Evaluation

Review of the soil characteristics indicates a general rock and groundwater depth of greater than 7.

#### 2.3. Groundwater

Groundwater is greater than 7 feet below grade.

#### 2.4. Natural Resources

Natural resources contained on the site is the woodland area. The woodland will be removed for the construction of the house and driveway.

## 2.5. New York State Register of Historic Places Assessment

There are no Historic places on this property.

#### 2.6. Critical Habitat

There are no critical habitats on this property.

## 2.7. Offsite Drainage

No changes in drainage patterns are proposed.

## 2.8 Pre-construction Drainage Areas

No changes to pre construction runoff patterns will result from the construction of this project.

## 2.9 Potential sources of pollution

Potential sources of pollution which may be reasonably expected to affect the quality of stormwater discharges.

• Sediment – all disturbed areas will be stabilized

#### III. Stormwater Management, Treatment and Conveyance

- A. Storm water treatment is not required. Management of stormwater from this property will be discharging roof and driveway drainage to rain garden practices.
- B. Stormwater conveyance for this project consists of pvc piping to the practices.

#### IV. Stormwater Management

Treatment of stormwater will be in rain garden practices.

#### V. Erosion and Sediment Control

#### A. Temporary Erosion and Sediment Control Measures

- 1. Temporary erosion and sediment control measures in the design of this project are silt fence. The driveway will be provided with a stabilized construction entrance. The contractor will be responsible for daily sediment cleanup on the driveway, if any. Silt fence are proposed to be installed along the downslope of all areas of disturbance as shown on the site plan, or as determined to be necessary during construction.
- 2. Runoff will be controlled within the project area. Bare soil areas, disturbed areas, will be seeded and mulched to control possible erosion and slow the velocity of runoff. Such activities shall be initiated by the end of the next business day and completed within 7 days from the date the current soil disturbance activity ceased.
- 3. Initial grading shall take place to install the sediment control measures. Soil stockpiles shall be stabilized away from any drainage structures or natural drainage paths. Once final grading has been achieved in any area that area shall be seeded and mulched and not redisturbed again.
- 4. Soil stockpiles must be protected with seeding and/or mulching as soon as possible but no longer than 7 days after ceasing activity. (see item # 2 above)
- 5. Measures must be in place prior to disturbance of a particular area in order to prevent sediment from traveling off site. This is accomplished on this site by the proper installation of silt fence.
- 6. Dust shall be controlled to keep the amount of particles/sediment generation by construction activity to a minimum. This will be accomplished by seeding and mulching of disturbed areas and wetting areas prone to airborne dust.
- 7. All temporary and permanent sediment and erosion control measures must be checked on a weekly basis for functionality and stability. This includes the silt fencing and the stabilized construction entrance. Any bare spots in areas previously seeded will be reseeded and remulched as soon as necessary. In areas where soil erosion and sedimentation is found to be a problem and measures are not in place, appropriate measures must be installed as required by the

supervising engineer.

- 8. Final grading shall match approximately the cut and fill lines as shown on the plans. This must be accomplished within 7 days of the end of the construction activity unless otherwise specified under the Town or DEC permits. (see item # 2 above)
- 9. Temporary measures shall not be removed until all disturbed areas protected by such measures are fully and properly stabilized.
- 10. Permanent non structural measures to remain in place are re-established areas of grass and landscaping within the non impervious areas.
- 11. Pollution prevention measures that will be utilized to prevent construction debris from becoming a pollutant source include:
- ...Litter control refuse containers will be provided on the site for the deposition of any debris. The contractor shall police the site at the end of each day, collect litter and deposit litter in the refuse containers.
- ...Construction chemicals all construction chemicals including but not limited to equipment fuels and oils and cleaning solvents shall be stored in appropriate containers and within a locked facility overnight.

Any spills of construction chemicals will be immediately cleaned up in accordance with appropriate procedures.

Any significant spill will be immediately reported to the NYSDEC pursuant to State Regulations, procedures and requirements.

...Construction debris will be collected and placed in roll off containers and disposed off site in at an appropriate disposal facility. (Part III.B.1.j)

#### **B.** Permanent Erosion Control Measures

1. Permanent erosion control measures employed in the design of the project include stabilization of all disturbed areas with grass, rain gardens and yard drains.

# VI. Inspection & Maintenance of Stormwater and Erosion Control Measures

## A. Inspection and Reporting Requirements

All erosion control measures are to be inspected weekly. In the case of a rain event, measures must be checked immediately after. Inspections shall be made by a qualified professional and reports will be kept on site in a dedicated mailbox labeled, "Stormwater Documents".

### B. Responsibilities

The project contractor and/or subcontactors shall be responsible to install, construct, repair,

replace, inspect and maintain the temporary erosion and sediment control practices included in the SWPPP. The project contractor/subcontractor shall be responsible for constructing the post construction storm water management practices included in the SWPPP. Such measures will be maintained by the project contractor/subcontractor during the entire construction period.

Permanent measures will be maintained by the owner of the property. (Part III.A.6) (Part IV)

Developer:

Scott Frey, SSEL Contracting

Owner/ Applicant Same as developer

The *owner or operator* shall have each of the contractors and subcontractors identify at least one person from their company that will be responsible for implementation of the SWPPP. This person shall be known as the *trained contractor*. The *owner or operator* shall ensure that at least one *trained contractor* is on site on a daily basis when soil disturbance activities are being performed.

The *owner or operator* shall have each of the contractors and subcontractors identified above sign a copy of the following certification statement below before they commence any *construction activity*:

"I hereby certify that I understand and agree to comply with the terms and conditions of the SWPPP and agree to implement any corrective actions identified by the *qualified inspector* during a site inspection. I also understand that the *owner or operator* must comply with the terms and conditions of the most current version of the New York State Pollutant Discharge Elimination System ("SPDES") general permit for storm water discharges from construction activities and that it is unlawful for any person to cause or contribute to a violation of water quality standards. Furthermore, I understand that certifying false, incorrect or inaccurate information is a violation of the referenced permit and the laws of the State of New York and could subject me to criminal, civil and/or administrative proceedings."

In addition to providing the certification statement above, the certification page must also identify the specific elements of the SWPPP that each contractor and subcontractor will be responsible for and include the name and title of the person providing the signature; the name and title of the *trained contractor* responsible for SWPPP implementation; the name, address and telephone number of the

contracting firm; the address (or other identifying description) of the site; and the date the certification statement is signed.

The *owner or operator* shall attach the certification statement(s) to the copy of the SWPPP that is maintained at the construction site. If new or additional contractors are hired to implement measures identified in the SWPPP after construction has commenced, they must also sign the certification statement and provide the information listed above.

#### C. Temporary Measures

#### 1. Construction Entrance(s)

The construction entrances shall be maintained in a condition which will prevent tracking or flowing of sediment onto the public right of way. This will require, sweeping and washing the driveway surfaces, periodic top dressing with addition stone or additional length as conditions demand based on daily inspections and repair and/or clean out of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights of way must be immediately removed.

#### 2. Silt Fence

Silt fence is proposed down gradient from all disturbed areas proposed on the site. Silt fence is used to collect the transported sediment load due to runoff and to slow said runoff, in an effort to prevent erosion. The silt fence is a temporary barrier of geotextile fabric supported by fence posts at a 10 foot maximum interval.

Sediments shall be removed from behind the fence when it becomes 0.5 feet deep at the fence. It should also be inspected regularly, at least once a week and repaired as needed to maintain a barrier.

#### D. Permanent Measures

#### 1. Permanent vegetation

All grassed areas shall be maintained to provide a vegetative cover to hold soils in place.

#### 2. Rain Gardens

Inspection shall be conducted annually and invasive species removed as necessary.

#### 3. Yard Drains

Sediment will be removed as necessary.

## VII. General Requirements for Owners or Operators with Permit Coverage

A. The *owner or operator* shall maintain a copy of the General Permit (GP-0-20-001), NOI, *NOI Acknowledgment Letter*, SWPPP, MS4 SWPPP Acceptance form and inspection reports at the construction site until all disturbed areas have achieved *final stabilization* and the NOT has been submitted to the Department.

The documents must be maintained in a secure location, such as a job trailer, on-site construction office, or mailbox with lock. The secure location must be accessible during normal business hours to an individual performing a compliance inspection. (Part II.B.C.2)

- B. For *construction activities* that are subject to the requirements of a *regulated*, *traditional land use control MS4*, the *owner or operator* shall notify the *MS4* in writing of any planned amendments or modifications to the post-construction stormwater management practice component of the SWPPP required by Part III.A. 4. and 5. of this permit. Unless otherwise notified by the *MS4*, the *owner or operator* shall have the SWPPP amendments or modifications reviewed and accepted by the *MS4* prior to commencing construction of the post-construction stormwater management practice. (Part II.C.5)
- C. For construction activities that are subject to the requirements of a regulated, traditional land use control MS4 and meet subdivision 2a. or 2b. of this Part, the owner or operator shall also have the MS4 sign the "MS4 Acceptance" statement on the NOT. The owner or operator shall have the principal executive officer, ranking elected official, or duly authorized representative from the regulated, traditional land use control MS4, sign the "MS4 Acceptance" statement. The MS4 official, by signing this statement, has determined that it is acceptable for the owner or operator to submit the NOT in accordance with the requirements of this Part. The MS4 can make this determination by performing a final site inspection themselves or by accepting the qualified inspector's final site inspection certification(s) required in Part V.3. (Part V.A.4)
- D. Within 10 days after the installation of all erosion control plan measures, the applicant shall submit to the Building Inspector a letter from the qualified professional who designed the plan for JAB, Inc, stating that all erosion control measures have been constructed and installed in compliance with the approved plans.
- E. Various certifications are required to be completed as follows:
- 1. SWPPP Modification Summary Sheet
- 2. SWPPP Preparer Certification
- 3. Contractor and Sub-contractor Certification

These documents are appended to this SWPPP.

## VIII. Conclusions

In conclusion, the proposed project shall not result in any negative impact to existing hydrologic condition at the vicinity of the property and proposed storm water management practices conforms to NYSDEC Storm water Management Design Manual and GP-0-20-001. In addition, the design of all storm water management practices meets the requirements of the Town of Carmel.

## JOHN KARELL, JR., P.E. 121 CUSHMAN ROAD PATTERSON, NEW YORK, 12563

845-878-7894 FAX 845 878 4939 jack4911@yahoo.com

## DRAINAGE STUDY

June 22, 2022

## SSEC SCOTT FREY, WIXON POND ROAD, CARMEL (T)

#### **DESIGN PARAMETERS**

Proposed Impervious area house roof = 1,600 Proposed Impervious area driveway = 2400 feet Design Storm = 2.4 inches Soils: Hydrologic Group B

## WATER QUALITY VOLUME

WQV = (P)(RV)(A)/12

#### House

P=2.4 RV= 0.95 A=1,600 SF WQV = 2.4(0.95)(1,600)/12 = 392 cf

#### Driveway

P=2.4 RV= 0.95 A=2400 SF WQV = 2.4(0.95)(2400)/12 = 456 cf Pretreatment Volume = 25% (WQV) = .25 (456) = 114 CF required

Settling required for driveway drainage

Use one concrete structure, 4 ft x 3.5 ft x 4.5 ft, 63 cubic feet, gross capacity. Capacity 12 inches below top is 49 CF, total 98 CF

#### PROPOSED RAIN GARDEN DESIGN

It is proposed to treat the storm water from all impervious surfaces in five (5) rain gardens. The design of the rain gardens are as follows:

Impervious area house= 1,600 sf. Use 2 rain gardens each designed at 800 sf Impervious area driveway = 2400 sf Use three rain gardens each designed at 800 sf.

Treatment area; 2,400 square feet at 100% impervious Rain garden section: 12" soil (0.2 porosity), 6" drainage layer (0.4 porosity, 8" ponding depth 6"

Proposed Rain Garden Area: 220 square feet

Soil Volume = (220 sq ft)(1 ft)(0.20) = 44 cfDrainage Layer Volume = (220 sq ft)(0.5 ft)(0.40) = 44 cfPonding volume = (220 sq ft)(0.5 ft) = 110 cf

Total Treatment Volume = 44 + 44 + 110 = 198 cf > 196 cf

Rain gardens at 22 x 10 ft (200 sf) each will be provided to treat the roof and driveway impervious areas. One (1) settling basin, catch basin, will be provided before the rain garden for the driveway. The settling basin will discharge to the rain garden. The flow discharge to distribution boxes which split the flow to each rain garden. All underground piping will be 6" pvc. The rain gardens will overflow to the existing drainage ditch.

#### STORMWATER POLLUTION PREVENTION PLAN SEQUENCE OF CONSTRUCTION SCOTT FREY, SSEC CONSTRUCTION WIXON POND ROAD CARMEL(T)

The following are sequence and methods of construction for the construction of a house on property owned by Scott Frey, SSEL Construction, Wixon Pond Road, Carmel (T), Putnam County, New York. Erosion and sediment control measures are incorporated into the construction program. Construction of this project will be in one phase.

Proposed erosion and sediment control methods are found on the Site Plan. The erosion controls are designed in accordance with the State of New York, "Guidelines for Urban Erosion and Sediment Control". The project is expected to start in the Fall of 2022 and continue over a one year period.

#### A. General Construction Notes

- 1. The site shall be disturbed only when and where necessary. Only the smallest practical area of land shall be exposed at any one time during development. When land is exposed, the exposure shall be kept to the shortest practical period of time by immediate stabilization per the stabilization notes, unless specified otherwise. All disturbed areas that are seeded with appropriate seed mixture and procedure are considered stabilized when 80% of the vegetation is achieved.
- 2. Where ever feasible, natural vegetation shall be retained and protected.
- 3. The contractor shall inspect all erosion and sediment control devices during all storm events, prior to weekends and prior to all forecasted storm events.
- 4. The Contractor shall grade and provide stabilization of newly graded and disturbed areas per item 9 of this sequence.

#### **B.** Construction Sequence

- 1. Install all erosion control measures.
- 2. Perform necessary tree cutting operation between October 31 and March 31 to protect the bat habitat.
- 3. Perform site grading for the house and driveway.
- 4. Begin house construction
- 5. Install utilities, septic sytem and well
- 6. Topsoil, seed and mulch all disturbed areas in accordance with the stabilization notes.
- Remove all temporary erosion control measures. Restore/backfill to final grade and provide stabilization is necessary.
- 8. Contractor to perform final site clean up and dispose of all debris properly.
- 9. STABILIZATION NOTES
  - A. Grade to finished slopes
  - B. Soils shall be scarified.
  - C. Topsoil with not less than four inches of suitable topsoil material
  - D. Seed as follows:

Spring/Fall Planting: Tall fescue 100

Kobe Gespedza 10

Bahi Grass 25

Rye Grass 40

**Temporary Summer Planting** 

German Millet 40

All above units in lbs/sc

## WETLANDS MITIGATION MEASURES

#### **PLANTING TABLE**

	NUMBER	COMMON NAME	BOTANICAL NAME	SIZE
TREES	4	Common Manual	6	
	4	Sugar Maple	Acer Saccharum	2-3" DBH
WETLAND VE	GETATION & SH	IRUBS		
	10	Spice Bush	Lindera Benzoln	2 gallon
	10	Summer Sweet	Clethra AlsIfolla	2 gallon
PERENNIALS/	FERNS			
	10	Wood Fern	Drykogteris wf	2" plug
	10	Christmas Fern	Polystichum acrostlcholdes	2" plug

#### MITIGATION MEASURES

- 1. Remove all debris from the watercourse/drainage ditch
- 2. Stabilize any eroded slopes on the watercourse/drainage ditch
- 3. Treatment of stormwater off proposed impervious surfaces
- 4. The disturbed rear yard will be stabilized with seed and mulch

#### **PLANTING NOTES:**

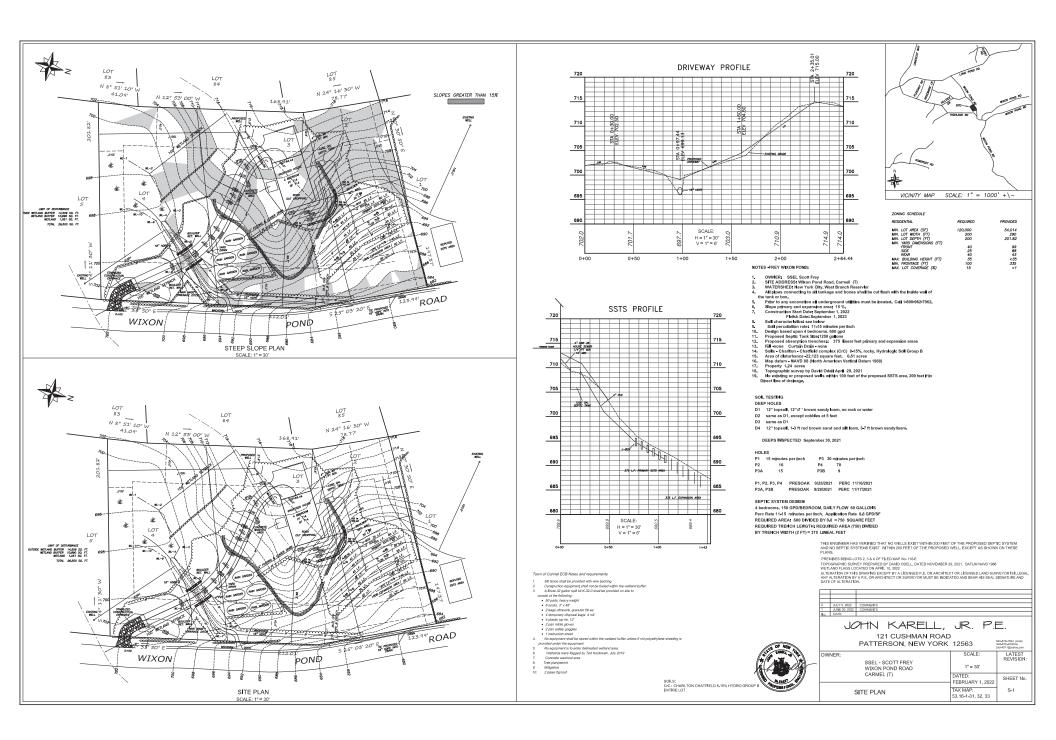
- 1. Trees to be planted in the front yard behind the house.
- 2. Wetland vegetation and shrubs to be planted along the watercourse/drainage ditch
- 3. Exact location of the trees, shrubs and plantings will be determined in the field in conjunction with appropriate representatives of the Town of Cortlandt.

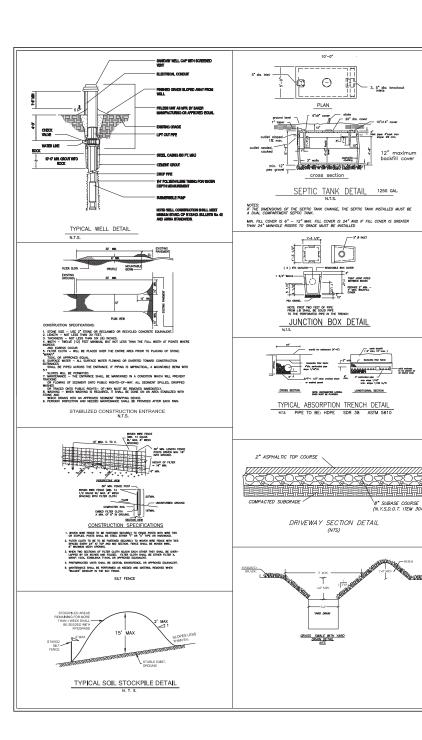
# LONG TERM (AFTER STABILIZATION) – RESPONSIBILITY OWNER

PRACTICE	CONDITION	MAINTENANCE REQUIRED	INSPECTION FREQUENCY	REMEDIATION REQUIRED WITHIN
HDPE PIPE	CLOGGING OF DAMAGE	REPAIR REMOVE CLOG	ANNUALLY	ONE WEEK
RIP RAP STRUCTURES RAIN GARDENS	INVASIVE SPECIES SEDIMENT ACCUMULATION	REMOVE INVASIVE SPECIES REMOVE SEDIMENT	TWICE A YEAR EARLY SUMMER LATE FALL	ONE WEEK
VEGETATION	DAMAGED LAWN	RESEED MULCH	ANNUALLY	ONE WEEK

#### OWNER/APPLICANT

Mark Merone 78 Sherwood Road Cortland Manor, NY, 10567 914-755-4047 markmerone@aol.com October 25, 2021





SOIL EROSION AND SEDIMENT CONTROL NOTES

1. ALL SOIL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE STALLED IN ACCORDANCE WITH THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT AND SEDIMENT CONTROL, 2016, AS REVISED, . ANY DISTURBED AREA THAT WILL BE LEFT UNDISTURBED AND NOT SUBJECT TO CONSTRUCTION TRAFFIC SHALL BE SEED AND MULCHED WITHIN 7 DAYS OF THE LAST DISTURBANCE WITH TEMPORARY SEEDING.

Species (% by weight) [bs/1,000 sq ft | [bs/acre 14% fine fescue 0.4-0.6

MANUFACTURER'S SPECIFICATIONS.

C) IN AREAS OF SLOPES STEEPER THAN ONE ON TWO, JUTE MATTING SHALL BE USED TO STABILIZED SEEDED AND / OR PLANTED AREAS. JUTE MATTING SHALL BE INSTALLED AND ANCHORED IN ACCORDANCE WITH THE NEW YORK GUIDELINES.

A) STEEP SLOPES OR EROSION SLOPES GREATER THAN 21 (H:V) SHALL BE PROVIDED WITH EROSION CONTROL MATTING AS SHOWN IN THE DETAIL SHEET

SLOPES STEEPER THAN ONE ON THREE SHALL BE STABILIZED IMMEDIATELY AFTER GRADING PAVED ROADWAYS SHALL BE KEPT CLEAR AT ALL TIMES.

THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORM WATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL PRACTICES. EXCEPT FOR MINOR PERIMETER EMBANKMENT AREAS, ALL GRADED AREAS SHALL BE DIRECTED THROUGH ONE OF THE SEDIMENTS BARRIERS. DIVERSION SWALES MAY BE USED TO DIRECT DRAINAGE RUNOFF UNTIL PERMANENT STORM DRAINAGE SYSTEM IS IN PLACED.

DUST SHALL BE CONTROLLED BY SPRINKLING OR OTHER APPROVED METHODS.

8. STOCKPILES SHALL NOT BE LOCATED WITHIN FIFTY FEET (50') OF ROAD WAYS OR DRAINAGE FACILITIES. THE BASE OF ALL STOCKPILES SHALL BE PROTECTED BY A SILT FENCE, HAY BALES BARRIERS OR A COMBINATION OF BOTH.

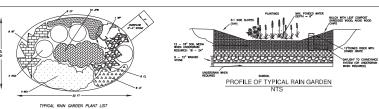
AMORDISC DE A COMMINITATIO DE BOTTO DE CONTRETO A CARACTER SENSE SHALL BE NESSECTED AND ANNIVATIONS DE THE CONTRECTOR ON A DAILY SINE TO BRUILDE THAT TEMPORARY AND PERMANENT DITCIES.

PERS AND STRECTORS AND EXCENSE OF DEBER THAT ENBANDMENTS AND ERBORS AND FOR PERCHED AND THAT ALL BAMERSES AND RE INTICIT.

10. MANAGEN'S TORMINITATION SECTIONS SHALL BE PERFORMED WERLY AND WITHIN A HOURS OF ANY PREOPRIATION EVENT PRODUCING MORE THAN 12" OF PREOPRIATION OVER AND AS THE CONTRETO SECTION SERVICE AND ASSESSMENT OF THE CONTRETO SECTION SE

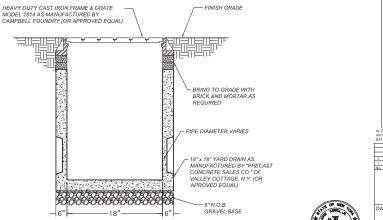
11. ALL SOLE EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE MANTAINED ON THE STE LIVIT, FINAL STABLIZATION OF THE SITE IS ACHEPVED, FINAL STABLIZATION IS DEFINED AS 8 DENSITY OF VEGETATION. UPON CERTIFICATION OF FINAL ACCEPTANCE, THE OWNER WILL ASSUME RESPONSIBILITY FOR THE CONTINUED MAINTENANCE OR PERMANENT SCILL EROSION AND SEDIMENTATION CONTROL MEASURES.

12. ALL DRAINAGE OUTLETS AND INLETS SHALL BE LINED WITH RIP-RAP AS SPECIFIED ON THE PLANS AND/OR PER ENGINEER 12. THE PROPERTY OWNER IS ULTIMATELY RESPONSIBLE FOR IMPLEMENTATION OF ALL BROSION AND SEDIMENT CONTROL MEASURES, HOWEVER ON A DAY TO DAY BASIS THE CONTRACTOR SHUBE REPONSIBLE FOR MAINTAINING THE BROSION AND SEDIMENT CONTROL MEASURES.



QNTY	KEY	BOTANICAL/COMMON NAME	SIZE	ROOT
4	ROD	CORNUS SERICEA (RED-OSER DOCWDOO)	2 GAL	CONT.
1	MM	HAMMELIS WIRGINANA (COMMON WITCHHAZEZ)	2'-5' MT.	646
	U	ATHIRUM FLIX-FERMINA (LADY FERM)	1 04	CONT.
	WT	CHELONE GLORBAN (WHITE TURTLEHEND)	1 6%	CONT.
10	JPW	EUPHTORUM BACULATUM (JGE-PYE REED)	1 6%	CONT.
•	OF.	OSMUND CINNWOMEN (CINNWON FERN)	1 64.	CONT.
,	863	RUDBECKIN HIRTA (BLACK-EYED SUSAN)	1 04.	CONT.

RECIPIOS MATOR EL PREFORMED FOR THE FAST FEW TEWES. RELATIVE RECIPIOS MALLENWE THE FRONTS SET HAND. AFTER EACH ORDERING SOUR SEE LEFT FOR WRITTER RECIPIES ASSECTED SEED FRONTS. OF THE STATE OF THE COLOR AND SET TROODS ON THE COLOR FAST OF THE COLOR AND SET TROODS. WE THE STATE OF THE COLOR FAST OF T INVASME SPECES OF PLANTS SUCH AS STEERSREET WAS, MALTPLORE ROSE, HONESUCILE AND JAPANESE SMEERRY. THESE PLANTS SHOULD BE REMOVED BY VINE SCHERING, MOBING OR USE OF HERBICIES, (ROLINDUP) WHERE APPROPRIETE AND ACCORDING TO LABEL



18" X 18" YARD DRAIN DETAIL

onstruction Notes for Subsurface Sewage Treatment Systems & Well Water Supples Serving Single-Family

e following notes shall be provided on all plans for Individual SSTS and well water supplies Basic Required Notes

All trees within 10 feet of the proposed subsurface sewage treatment system (SSTS) shall be removed SSTS to be inspected by the Licensed Design Professional and the Putnam County Health Department after instruction and prior to back!

The SSTS area shall be staked and roped off so that no trucks, machinery, building materials, nor excavated earth shall be allowed in the SSTS area.

All erosion control measures shall be installed prior to the start of any construction an construction is complete and stabilization has occurred.

Construction of SSTS to be in accordance with these plans, any revision thereto, and the rules and regulations permit issuing governmental agency

he germit busing governmental agency. So, The well is to be edited well, contracted in accordance with New York State Health Department 10 NYCRR appointed the standards for water wells, pump bessed for a minimum of it house and have an interimum set yeld of a new of the standards for water wells, pump bessed for a minimum of a force and have an interimum set yeld of a new of the standard of the Partmen Conference of the Partmen Co approval volds sald approval.

All stonewalls in and within 10 feet of the SSTS area shall be removed to their entire depth and the resulting volaced with similar on site soil.

After backfilling the system, the SSTS area shall be covered with a minimum of 6 inches of top soil, seeded a

This plan is approved for sewage treatment and/or water supply only, and all other requi-pprovals are the responsibility of the permitee.

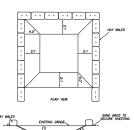
The Putnam County Health Department approval expires two (2) years from the date on the a s required to be renewed on or before the expiration date. The approval is revocable for cau modified when considered necessary by the Department

15. A copy of the house plans submitted to the building inspector of the local municipality, when fling for a building permit, must be submitted to the Putnam County Health Department to verify bedroom count.

The house, well and SSTS shall be survey located and staked by a NYS Licensed Land Surveyor prior to

18. Datum based on NAVD 88.

19. Property outside FEMA 100 year wetland.



CONCRETE WASHOUT AREA CONCRETE WASHOUT AREA TO BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE. CONCRETE WASHOUT AREA TO BE ENTIRELY SELF CONTAINED.

8.0\* PROFILE VIEW

2. HAY BALES SHALL BE PROVIDED AROUND THE PERIMETER OF CONCRETE WASHOUT AREA FOR CONTAINMENT.

4. SIGNS SHALL BE PROVIDED AT THE CONSTRUCTION ENTRANCE AND CONCRETE AREAS INDICATING LOCATION OF MASHOUT AREA.

DETAILS

7. CONCRETE WASTE SHALL BE REMOVED AND DISPOSED OF ONCE IT REACHES THREE-QUARTERS OF THE WASHOUT AREA'S HEIGHT. ALL WASTE SHALL BE DISPOSED OF IN A MER CONSISTENT WITH APPLICABLE UNISK REGULATIONS AND GUIDBLINES OF MUNICIPALITY.



SHEET No.

3 16-1-31, 32, 33

ROBERT LAGA Chairman

TOWN OF CARMEL
ENVIRONMENTAL CONSERVATION BOARD

**BOARD MEMBERS** 

Edward Barnett Anthony Federice Nicole Sedran

NICHOLAS FANNIN Vice Chairman

RICHARD FRANZETTI Wetland Inspector

ROSE TROMBETTA Secretary

60 McAlpin Avenue Mahopac, New York 10541 Tel. (845) 628-1500 - Ext. 190 www.ci.carmel.ny.us

#### **APPLICATION FOR WETLAND PERMIT OR LETTER OF PERMISSION**

Name of Applicant:	Seth Haberman,	Owner/ Amanda	Schachter,	Architect
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Address of Applicant: 1 West 85 Street NYC 10025

Email: studio@sloarchitecture.com

Telephone# 646 824 5786

Name and Address of Owner if different from Applicant:

Property Address: 70 Lillian Road, Mahopac, NY 10541 Tax Map # 64.15-1-53 Agency Submitting Application if Applicable:

Location of Wetland: Kirk Lake

Size of Work Section & Specific Location: 70 LILLIAN ROAD -2 COLUMNS AND FOOTINGS

Will Project Utilize State Owned Lands? If Yes, Specify: No

Type and extent of work (feet of new channel, yards of material to be removed, draining, dredging, filling, etc). A brief description of the regulated activity (attach supporting details).

Two new footings on front of house holding up extension to den on second floor (not lake-side, but given the property, within 100ft of Kirk Lake)

Proposed Start Date: August 1, 2022 Anticipated (	Completion Date: April 30 2022 Fee Paid
\$	
************	***************

#### CERTIFICATION

I hereby affirm under penalty of perjury that information provided on this form is true to the best of my knowledge and belief, false statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law. As a condition to the issuance of a permit, the applicant accepts full legal responsibility for all damage, direct or indirect, or whatever nature, and by whomever suffered, arising out of the project described here-in and agrees to indemnify and save harmless the Town of Carmel from suits, actions, damages and costs of every name and description resulting from the said project.

s(7H)	HABCRMAN		June 30, 2022	
SIC	CNATURE		DATE	

## Short Environmental Assessment Form Part 1 - Project Information

#### **Instructions for Completing**

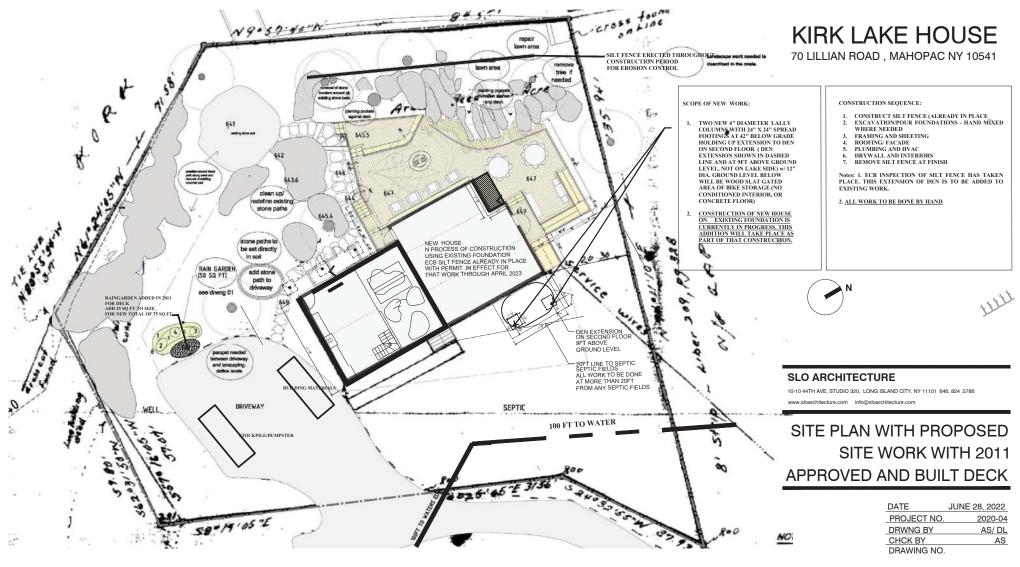
Part 1 – Project Information. The applicant or project sponsor is responsible for the completion of Part 1. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification. Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information.

Complete all items in Part 1. You may also provide any additional information which you believe will be needed by or useful to the lead agency; attach additional pages as necessary to supplement any item.

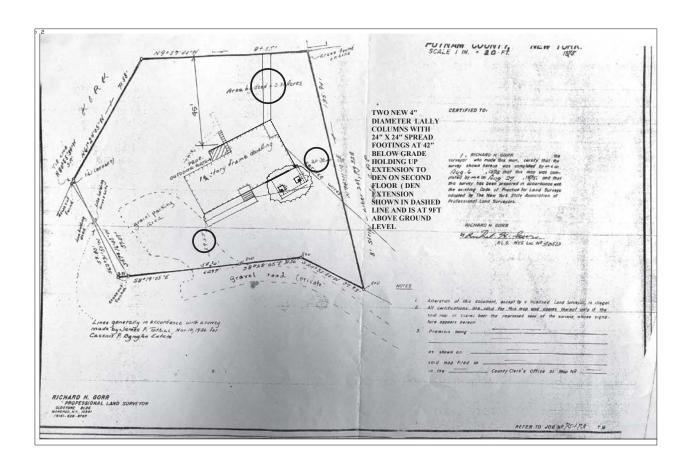
Seth Haberman, owner 70 Lillian Road, Mahopac NY 10541				
Name of Action or Project:	AMBC BALL			
Addition to House Remodel at 70 Lillian Road Mahopac NY 10541				
Project Location (describe, and attach a location map):				
A .37 acre site, located within 100ft of Kirk Lakeextension to house remodel currently in construction				
Brief Description of Proposed Action:				
We are currently in construction for rebuilding the house at 70 Lillian Road, to build a larger house upwards on the original footprint.  We would like to extend the second floor den within the allowable zoning limits) with work to include two new columns and footings to the front area of the house (not the lake side)  We are not disturbing any other new/ untouched areas on the site.				
Name of Applicant or Sponsor: Telephone: 646-824-57	86			
Seth HABERMAN E-Mail: Studio 2 sloggisties	hitectureen			
Address:				
10 Lillian Koad	AND THE PARTY OF T			
City/PO: State: Zip Code:				
(V) Ahopac Ny 10541				
1. Does the proposed action only involve the legislative adoption of a plan, local law, ordinance, administrative rule, or regulation?				
If Yes, attach a narrative description of the intent of the proposed action and the environmental resources that				
The state of the s				
2. Does the proposed action require a permit, approval or funding from any other government Agency?  NO YES  If Yes, list agency(s) name and permit or approval:				
The stagency (s) frame and permit of approvar.				
3. a. Total acreage of the site of the proposed action? .37 acres				
b. Total acreage to be physically disturbed?				
or controlled by the applicant or project sponsor?37 acres				
Check all land uses that occur on, are adjoining or near the proposed action:				
5. ☐ Urban ☐ Rural (non-agriculture) ☐ Industrial ☐ Commercial ☑ Residential (suburban)				
Forest Agriculture Aquatic Other(Specify):				
Parkland				

5.		Is the proposed action,	NO	YES	N/A
		a. A permitted use under the zoning regulations?	口	<b>V</b>	I
		b. Consistent with the adopted comprehensive plan?	同	<b>V</b>	同
_				NO	YES
6.		Is the proposed action consistent with the predominant character of the existing built or natural landscape	?		<b>V</b>
7.	2	Is the site of the proposed action located in, or does it adjoin, a state listed Critical Environmental Area?		NO	YES
If	Y	es, identify:		<b>V</b>	
				NO	YES
8.	9	a. Will the proposed action result in a substantial increase in traffic above present levels?			TES
	2000	b. Are public transportation services available at or near the site of the proposed action?			H
	9	c. Are any pedestrian accommodations or bicycle routes available on or near the site of the proposed action?			
9.	9	Does the proposed action meet or exceed the state energy code requirements?		NO	YES
If th	he	e proposed action will exceed requirements, describe design features and technologies:			
-					
	_				
10.	8	Will the proposed action connect to an existing public/private water supply?		NO	YES
		If No, describe method for providing potable water:			
				Ц	V
11.	,	Will the proposed action connect to existing wastewater utilities?		NO	YES
		If No, describe method for providing wastewater treatment:			
9					V
12.	2	a. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district	et	NO	YES
which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the			<b>V</b>		
		Register of Historic Places?		لينا	
		b. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for		<b>V</b>	
	ha	eological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory?			
13.		a. Does any portion of the site of the proposed action, or lands adjoining the proposed action, contain wetlands or other waterbodies regulated by a federal, state or local agency?		NO	YES
	ł	b. Would the proposed action physically alter, or encroach into, any existing wetland or waterbody?	}		
If Y	'e	s, identify the wetland or waterbody and extent of alterations in square feet or acres:		<b>V</b>	
1	- 10				
7					
			- 1		

14. Identify the typical habitat types that occur on, or are likely to be found on the project site. Check all that apply:		
Shoreline Forest Agricultural/grasslands Early mid-successional		
✓ Wetland Urban Suburban		
15. Does the site of the proposed action contain any species of animal, or associated habitats, listed by the State or Federal government as threatened or endangered?		
s castal government as uncatefied of chaingered.	<b>V</b>	
16. Is the project site located in the 100-year flood plan?	NO	YES
	V	
17. Will the proposed action create storm water discharge, either from point or non-point sources?	NO	YES
If Yes,		
a. Will storm water discharges flow to adjacent properties?	<b>V</b>	
b. Will storm water discharges be directed to established conveyance systems (runoff and storm drains)? If Yes, briefly describe:	<b>√</b>	
18. Does the proposed action include construction or other activities that would result in the impoundment of water or other liquids (e.g., retention pond, waste lagoon, dam)?		YES
If Yes, explain the purpose and size of the impoundment:		
	<b>V</b>	Ш
19. Has the site of the proposed action or an adjoining property been the location of an active or closed solid waste	NO	YES
management facility? If Yes, describe:	1,0	100
	<b>✓</b>	
20. Has the site of the proposed action or an adjoining property been the subject of remediation (ongoing or completed) for hazardous waste?	NO	YES
If Yes, describe:	<b>V</b>	
		Ш
I CERTIFY THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND ACCURATE TO THE BEMY KNOWLEDGE	ST OF	
Applicant/sponsor/name: Seth Haberman Date: June 30 2022		<u>eu </u>
Signature: 47H HAB TRMAN Title: Owner		



SITE PLAN SHOWING PROPOSED ADDITIONAL WORK WITH 2011 APPROVED AND BUILT DECK, AND 2021 APPROVED CONSTRUCTION SCALE 1/16" = 1' - 0"



## SITE SURVEY SHOWING ORIGINAL HOUSE

SCALE 1/32" = 1' - 0"

## KIRK LAKE HOUSE

70 LILLIAN ROAD, MAHOPAC NY 10541

#### **SLO ARCHITECTURE**

10-10 44TH AVE, STUDIO 320, LONG ISLAND CITY, NY 11101 646. 824 .5786 www.sloarchitecture.com info@sloarchitecture.com

#### SITE SURVEY

DATE	JUNE 30, 2022
PROJECT NO.	2020-04
DRWNG BY	AS/ DL
CHCK BY	AS
DRAWING NO.	