ROBERT LAGA Chairman

# TOWN OF CARMEL ENVIRONMENTAL CONSERVATION BOARD

Edward Barnett Anthony Federice

**BOARD MEMBERS** 

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

## ENVIRONMENTAL CONSERVATION BOARD AGENDA

www.ci.carmel.ny.us

## FEBRUARY 4, 2021 - 7:30 P.M.

## **ELIGIBLE FOR A PERMIT**

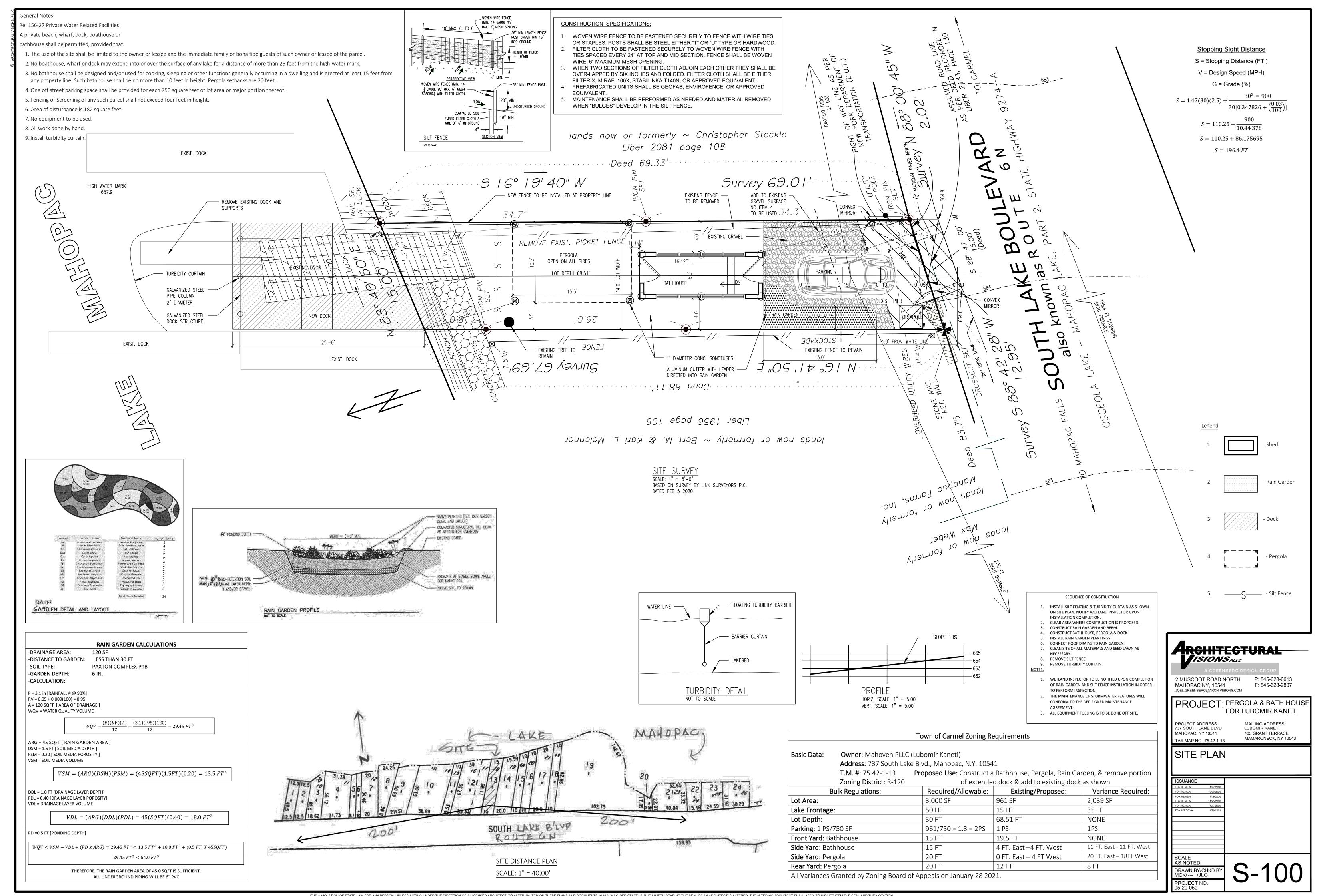
<u>APPLICANT</u>	ADDRESS	TAX MAP #	<b>COMMENTS</b>
1. Mahoven LLC	737 South Lake Blvd	75.42-1-13	Construct Bathhouse, Pergola, Rain Garden and Extend Dock

## SUBMISSION OF AN APPLICATION OR LETTER OF PERMISSION

2. Schoenbeck, Uwe	252 West Lake Blvd	64.16-1-31	Addition to Existing House in Buffer
3. Brown, Brett	161 West Lake Blvd	64.19-1-85	Construct Deck

## **MISCELLANEOUS**

4. Minutes - 11/19/20, 01/07/21 & 01/21/21





February 2, 2021

Robert Laga PE, Chairman & members of the ECB,

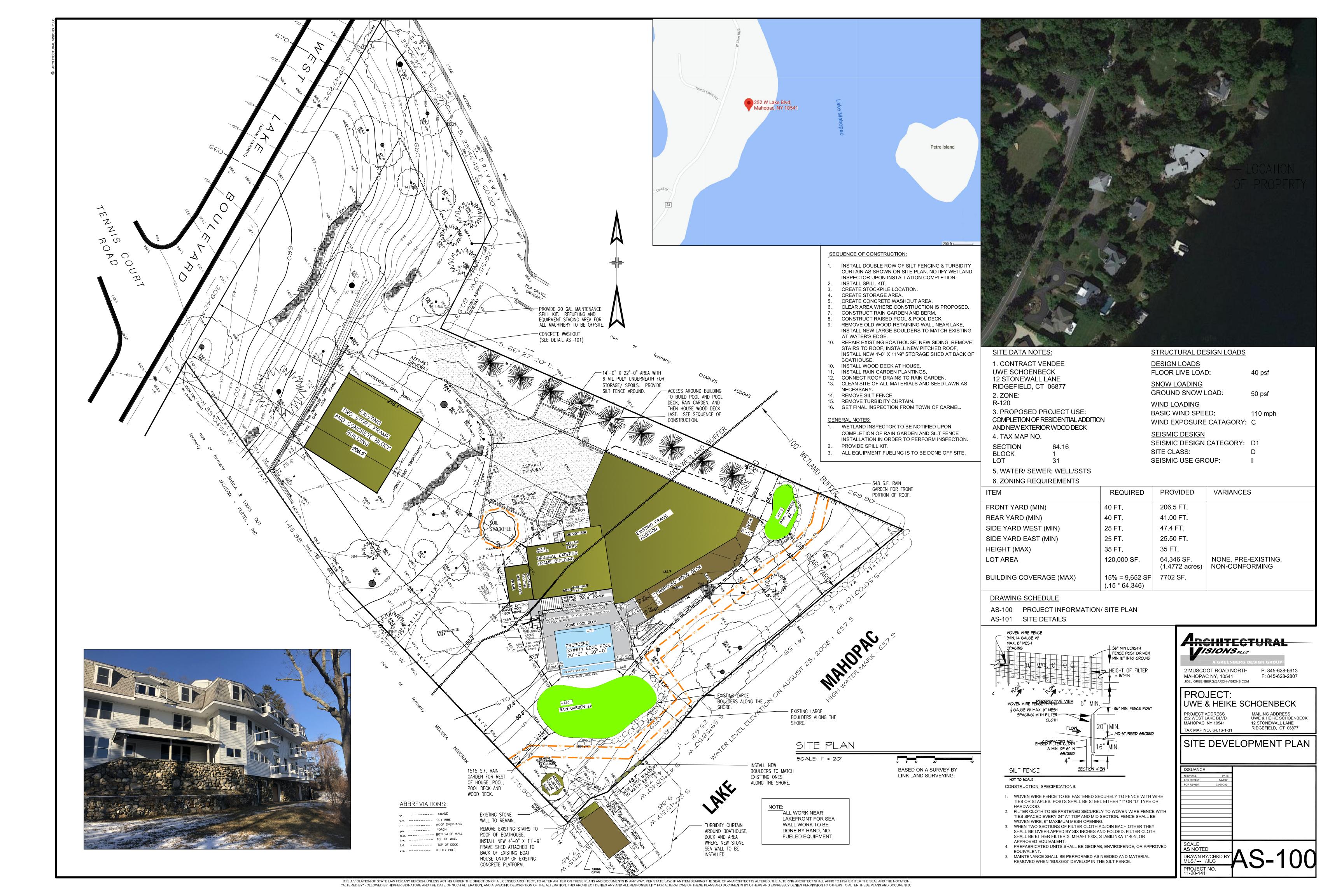
Please note the following which have added to the drawings:

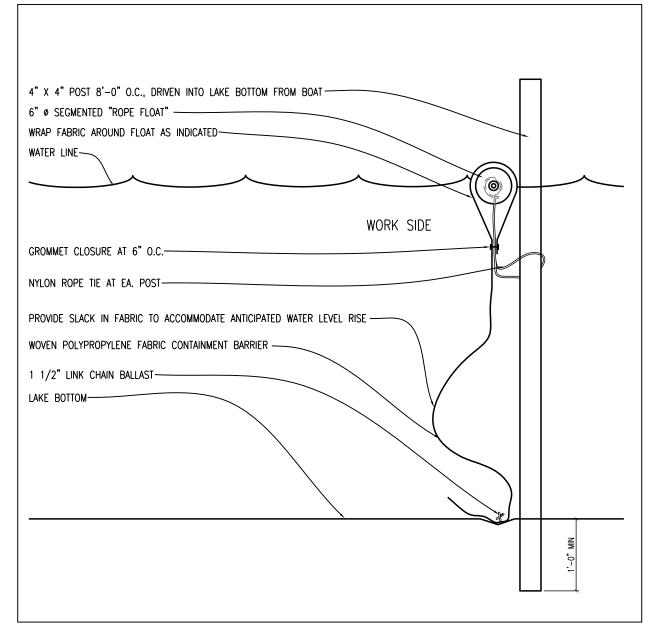
- 1. Fueling Plan indicated.
- 2. Spill kit location has been added.
- 3. Stock Pile Location & Details had been added.
- 4. Concrete Wash out Area has been added.
- 5. 2 Rows of Silt Fence have been added.
- 6. Turbidity Curtain has been added with details.
- 7. All work will be by Hand at the rear lakefront.
- 8. Sequence of work is indicated for pool, deck & stone boulders at lake.
- 9. The is no Seawall, just large boulders to match existing, photos of existing boulders have been added.
- 10. Existing Octagon Storage Building near lake to removed.
- 11. Existing Stairs and Roof Deck and Railings at Boathouse to be removed.
- 12. New peaked roof at Boathouse and install new siding at Boathouse.
- 13. Build new 4'-0" x 11'-9" Storage Shed at back of existing Boathouse, on top of existing concrete platform.
- 14. Two Rain Gardens are shown along with Calculations and Planting Plan.
- 15. Storage area/ 6 mil poly storage/ spoils has been located.

Sincerely,

Joel Greenberg, AIA, NCARB

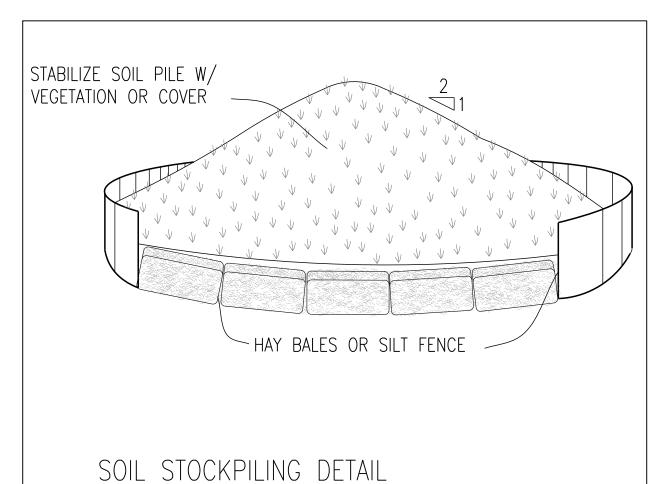






# TURBIDITY CURTAIN SECTION DETAIL

## SCALE: N.T.S.



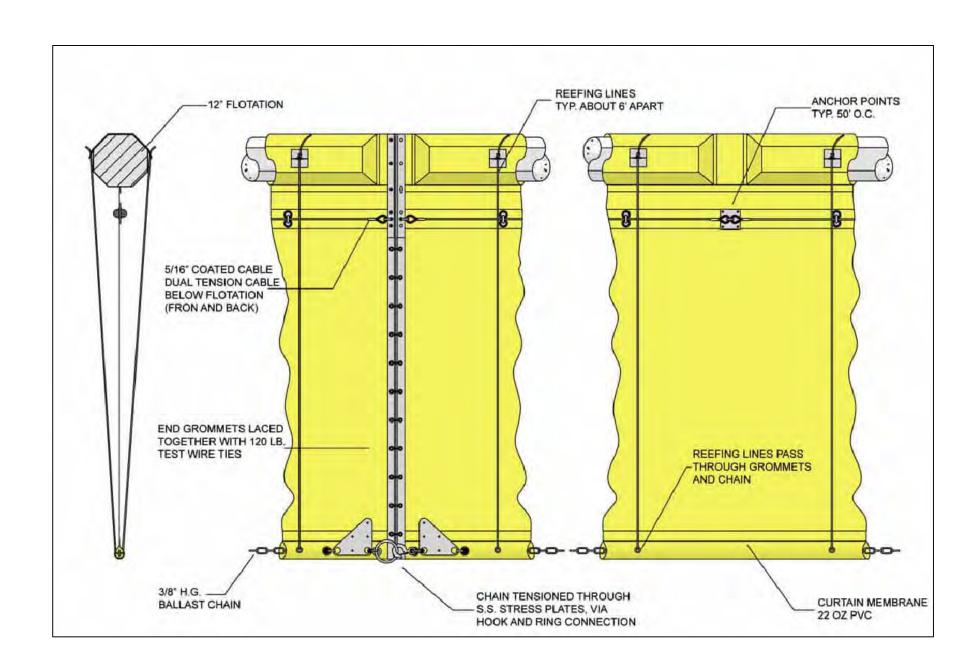
# NOTES:

NOT TO SCALE

1. AREA CHOSEN FOR STOCKPILE OPERATIONS SHALL BE SAFE AND STABLE 2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1:2 3. UPON COMPLETION OF SOIL STOCKPILE, EACH PILE SHALL BE STABILIZED WITH EITHER SILT FENCE OR STRAWBALES, THEN STABILIZED WITH VEGETATION OR COVERED



REMOVE EXISTING STAIRS AND ROOF RAILING. INSTALL **NEW PEAKED** ROOF. INSTALL NEW 4'-0" X 11'-9" SHED AT BACK OF BOATHOUSE ON EXISTING CONCRETE PLATFORM.



## TURBIDITY CURTAIN SECTION DETAIL

## SCALE: N.T.S.

## Ultra-Concrete Washout Berms®

- Unfolds for simple and quick set up in seconds.

Containment Capacity gal. Dimensions in.

48" x 48" x 14"





PHOTOS OF BOATHOUSE - REMOVE STAIRS & ROOF DECK. REMOVE OCTAGON SHED



Economical and portable containment for concrete washout Cleaning your equipment properly after a project is a lot easier with the right Washout Berm. The Ultra-Concrete Washout Berm is a light-weight, portable way to collect harmful industrial concrete sediment, paint, drywall, mud, stucco and mortar from your work site. Its UV resistant, 10 mil polyethylene

Helps maintain EPA compliance

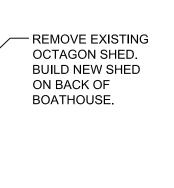
construction makes it durable for extended use.

- Compatible with mixers, pump trucks, and wheelbarrows.
- Built-in tie-downs allow berm to be secured to standard wooden pallets (not included) for easier
- handling and transport
- Dispose of after evaporation and job completion.

## UltraTech 139 gal Concrete Washout Berm

139





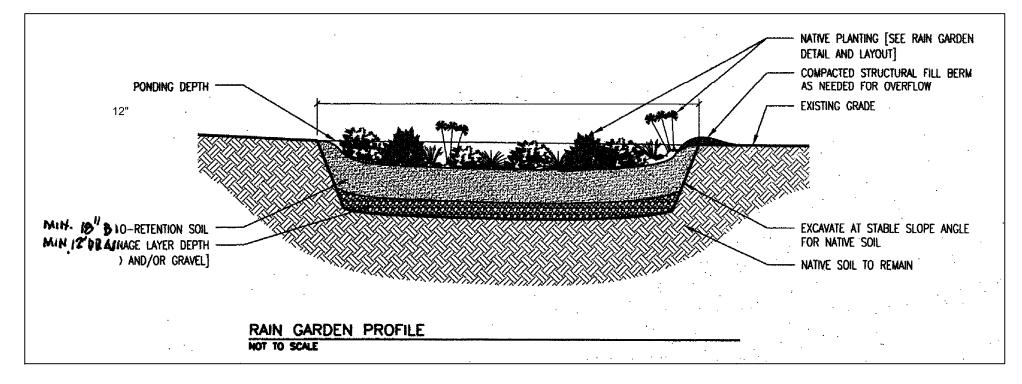


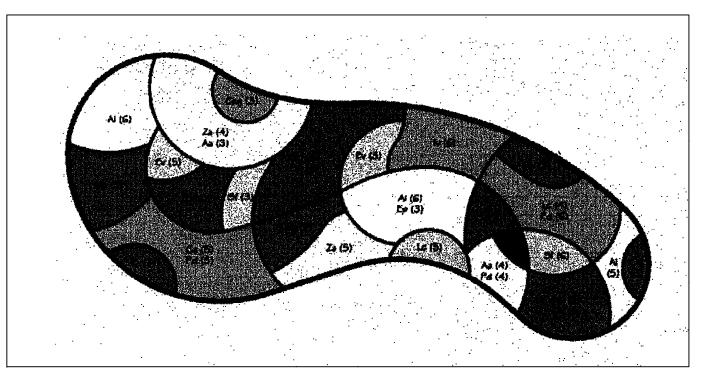






PHOTOS OF EXISTING WOOD RETAINING WALL TO BE REMOVED & EXISTING BOULDERS





## **RAIN GARDEN CALCULATIONS:**

- TOTAL DRAINAGE AREA: 8,743 SF. - DRAINAGE AREA RAIN GARDEN #1 7115 SF. PAXTON COMPLEX PnB

WQV = WATER QUALITY VOLUME

- SOIL TYPE: - GARDEN DEPTH: - CALCULATION: (RAIN GARDEN #1)

> = 3.1 [RAINFALL # @ 90%] = 0.05 + 0.009(100) = .95= 7,115 SQFT [ AREA OF DRAINAGE]

WQV = (P)(RV)(A) = (3.1)(.95)(7115) = 1,746 CFT

ARG = 1514 SQFT [ RAIN GARDEN AREA] DSM = 1.5 FT [SOIL MEDIA DEPTH] PSM = 0.20 [ SOIL MEDIA POROSITY] VSM = SOIL MEDIA VOLUME

VSM = (ARG)(DSM)(PSM) = (1514 SQFT)(1.5 FT)(0.20) = 454

DDL = 1.0 FT [DRAINAGE LAYER DEPTH] PDL = 0.40 [ DRAINAGE LAYER POROSITY VDL = DRAINAGE LAYER VOLUME

VDL = (ARG)(DDL)(PDL) = (1514)(1.0)(0.4) = 606PD = 1.0 FT [PONDING DEPTH]

 $WQV \le VSM + VDL + (PDxARG)$  $1,746 \le 454 + 606 + 1514$ 

ALL UNDERGROUND PIPING WILL BE 6" PVC.

 $1,746 \le 2,574$ THEREFORE, THE RAIN GARDEN #1 AREA OF 1514 SF. IS RAIN GARDEN CALCULATIONS:

- TOTAL DRAINAGE AREA: 8,743 SF. - DRAINAGE AREA RAIN GARDEN #1 1628 SF. - SOIL TYPE: PAXTON COMPLEX PnB - GARDEN DEPTH

- CALCULATION: (RAIN GARDEN #2) = 3.1 [RAINFALL # @ 90%] = 0.05 + 0.009(100) = .95= 1,628 SQFT [ AREA OF DRAINAGE]

WQV = WATER QUALITY VOLUME

WQV = (P) (RV) (A) = (3.1)(.95)(1628) = 399.5 CFT

ARG = 348 SQFT [ RAIN GARDEN AREA] DSM = 1.5 FT [SOIL MEDIA DEPTH] PSM = 0.20 [ SOIL MEDIA POROSITY] VSM = SOIL MEDIA VOLUME

VSM = (ARG)(DSM)(PSM) = (348 SQFT)(1.5 FT)(0.20) =104.4

DDL = 1.0 FT [DRAINAGE LAYER DEPTH] PDL = 0.40 [ DRAINAGE LAYER POROSITY VDL = DRAINAGE LAYER VOLUME

VDL = (ARG)(DDL)(PDL) = (348)(1.0)(0.4) = 139.2PD = 1.0 FT [PONDING DEPTH]

 $WQV \le VSM + VDL + (PDxARG)$  $399.5 \le 104.4 + 139.2 + 348$  $399.5 \le 591.6$ 

THEREFORE, THE RAIN GARDEN #2 AREA OF348 SF. IS SUFFICIENT. \_ALL UNDERGROUND PIPING WILL BE 6" PVC.

RAIN GARDEN PLANTS: NO. PLANTS Arisaema atrorubens Jack-in-the-pulpit Aster Lateriflorus Side flowering aster Campanula americana Tall bellflower Bar sedge Carex Grays Carex lupulina Map sedge Virginia wild rye Elymus virginicus Purple Joe-Pye weed Wild blue flag iris Ins virginica-shrever Lobelia carinalis Cardinal flower Virginia bluebells Mertensia virginica Osmunda clayoniana Interupted fern Woodland phlox Phlox divaricata Zig zag goldenrod Solidago flexicaulis Golden Alexander TOTAL FOR EACH RAIN GARDEN 375

TOTAL PLANTS NEEDED: 462

RIDGEFIELD, CT 06877 TAX MAP NO. 64,16-1-31 SITE DETAILS, TURBIDITY

CURTAIN, SOIL STOCKPILE CONC. WASHOUT

ARCHITECTURAL

**UWE & HEIKE SCHOENBECK** 

UWE & HEIKE SCHOENBECK

12 STONEWALL LANE

ISIONS PLLC

2 MUSCOOT ROAD NORTH

JOEL.GREENBERG@ARCH-VISIONS.COM

MAHOPAC NY, 10541

PROJECT:

252 WEST LAKE BLVD

MAHOPAC, NY 10541

IT IS A VIOLATION OF STATE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, TO ALTER AN ITEM ON THESE PLANS AND DOCUMENTS IN ANY WAY PER STATE LAW IF AN ITEM OF AN ARCHITECT IS ALTERED. THE ALTERING ARCHITECT SHALL AFFIX TO HIS/HER ITEM THE SEAL AND THE NOTATION

ROBERT LAGA Chairman

NICHOLAS FANNIN Vice Chairman

RICHARD FRANZETTI Wetland Inspector

ROSE TROMBETTA Secretary

# TOWN OF CARMEL ENVIRONMENTAL CONSERVATION BOARD



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

### **BOARD MEMBERS**

Edward Barnett Vincent Turano Anthony Federice

APPLICATION FOR WEILAND PERMIT OR LETTER OF PERMISSION
Name of Applicant: Brett Brown
Address of Applicant: 161 W Lake Blud Emails.
Telephone# Name and Address of Owner if different from Applicant:
Property Address: 152 W lake Blvd
Size of Work Section & Specific Location:
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).  Construction of new Deck
Proposed Start Date: 3/1/202/ Anticipated Completion Date: 5/1/202/ Fee Paid \$ 25.00

## 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.

Fruit SIGNATURE

1/25/2021 DATE

## Short Environmental Assessment Form Part 1 - Project Information

## **Instructions for Completing**

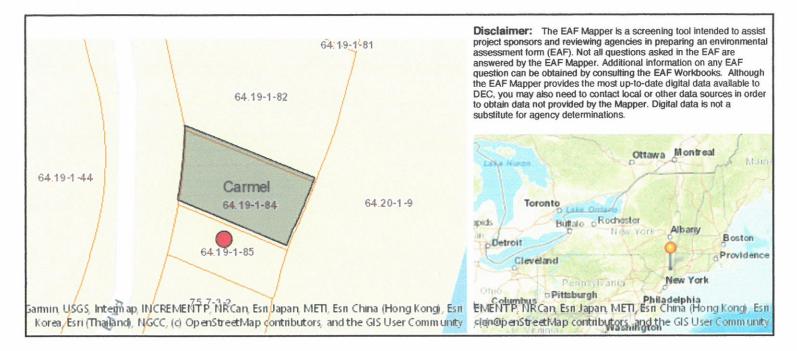
Part 1 – Project Information. The applicant or project sponsor is responsible for the completion of Part 1. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification. Complete Part 1 based on information currently available. 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.

Part 1 – Project and Sponsor Information				
Brett Brown				
Name of Action or Project:				
Construction of Deck				
Project Location (describe, and attach a location map):				
152 West Lake Blvd, Mahopac, NY 10541				
Brief Description of Proposed Action:		Д		
Construction of Deck on edge of Lake Mahopac.				
Name of Applicant or Sponsor:	Telephone: 626-532-7388	3		
Brett Brown	E-Mail: brettrbrown@gma	-:1		
Address:	prettrbrown@gma	all.com		
161 West Lake Blvd				
City/PO:	State:	Zip Co	ode:	
Mahopac	New York	10541		
<ol> <li>Does the proposed action only involve the legislative adoption of a plan, loca administrative rule, or regulation?</li> </ol>	l law, ordinance,		NO	YES
If Yes, attach a narrative description of the intent of the proposed action and the e		at	V	
may be affected in the municipality and proceed to Part 2. If no, continue to ques				
2. Does the proposed action require a permit, approval or funding from any other If Yes, list agency(s) name and permit or approval: zoning board - variance approved	er government Agency?		NO	YES
11 Tes, list agency(s) hance and permit of approval, zoning board - variance approved				<b>V</b>
	986 sq. ft acres			
<ul><li>b. Total acreage to be physically disturbed?</li><li>c. Total acreage (project site and any contiguous properties) owned</li></ul>	20 sq. ft acres			
	740 sq. ft acres			
4. Check all land uses that occur on, are adjoining or near the proposed action:				
5. Urban Rural (non-agriculture) Industrial Commercia	al 🗹 Residential (subur	ban)		
☐ Forest ☐ Agriculture ☐ Aquatic ☐ Other(Spec	cify):			
Parkland				

5.	Is the proposed action,	NO	YES	N/A
	a. A permitted use under the zoning regulations?		V	
	b. Consistent with the adopted comprehensive plan?		V	
6.	6. Is the proposed action consistent with the predominant character of the existing built or natural landscape?			YES
0.	is the proposed action consistent with the predominant character of the existing out of natural landscape:			V
7.	Is the site of the proposed action located in, or does it adjoin, a state listed Critical Environmental Area?		NO	YES
If Y	res, identify:		V	
			NO	YES
8.	a. Will the proposed action result in a substantial increase in traffic above present levels?		NO	TES
	b. Are public transportation services available at or near the site of the proposed action?			
	c. Are any pedestrian accommodations or bicycle routes available on or near the site of the proposed action?		V	
9.	Does the proposed action meet or exceed the state energy code requirements?		NO	YES
If th	ne proposed action will exceed requirements, describe design features and technologies:		V	
10.	Will the proposed action connect to an existing public/private water supply?		NO	YES
	If No, describe method for providing potable water:		~	
11.	Will the proposed action connect to existing wastewater utilities?		NO	YES
	If No, describe method for providing wastewater treatment:		~	
	a. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district	rt	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. 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?				~
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?			片	<b>V</b>
If Y	Yes, identify the wetland or waterbody and extent of alterations in square feet or acres:		Ш	8
	e total square footage of the new deck is 986 square feet. The area required for footings is approximately 20 square feet			

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?  Northern Long-eared Bat		V
16. Is the project site located in the 100-year flood plan?	NO	YES
		<b>V</b>
17. Will the proposed action create storm water discharge, either from point or non-point sources?	NO	YES
If Yes,	V	
a. Will storm water discharges flow to adjacent properties?	V	
b. Will storm water discharges be directed to established conveyance systems (runoff and storm drains)? If Yes, briefly describe:	V	
	NIO	MEG
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)?	NO	YES
If Yes, explain the purpose and size of the impoundment:		
		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?	110	120
If Yes, describe:	V	П
	اتا	ш
20. Has the site of the proposed action or an adjoining property been the subject of remediation (ongoing or	NO	YES
completed) for hazardous waste? If Yes, describe:		
11 165, 46561106.	V	
I CERTIFY THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND ACCURATE TO THE BE	ST OF	
MY KNOWLEDGE		,
Applicant/sponsor/name: DEFT N. Down Date: 1/25/20	221	
Signature: July prin Title: Homeowner		



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]	Yes
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]	Northern Long-eared Bat
Part 1 / Question 16 [100 Year Flood Plain]	Yes
Part 1 / Question 20 [Remediation Site]	No

# 152 W Lake Blvd Deck Construction Plan

## Phase 1: Remove Existing Trees

- Install silt fence
- Cut down trees (Stumps will remain)
  - Many were damaged in large storm spring 2020
- Heavy equipment will be on roadway
- Spill kit will be available for chainsaws

## Phase 2: Build Deck

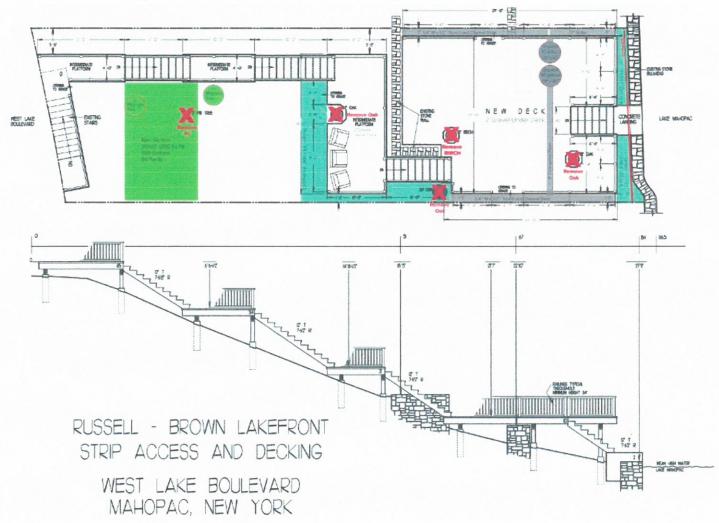
- No heavy equipment will be used
- · Deck footings will be dug by hand
- Deck will be built with electric power tools
- Pouring concrete block
  - o Concrete will be mixed offsite
- Drywells will be installed with Trench and Channels Drain + Gutters
- Underneath all decks will be covered in gravel
- Deck Materials
  - o Composite Decking
  - Footings
    - Pressure treated wood
    - Rebar if hitting bedrock
    - Concrete footings
  - Galvanized nails and hangers for framing
  - Stainless steel screws for decking

## Phase 3: Plant Rain Garden, Trees, and Gardens

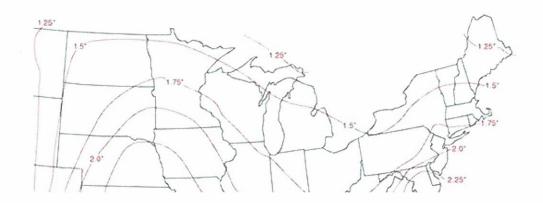
- Plant rain garden (Details page Appendix A)
- Plant new trees
- Plant flower gardens

## Rain Management Approach

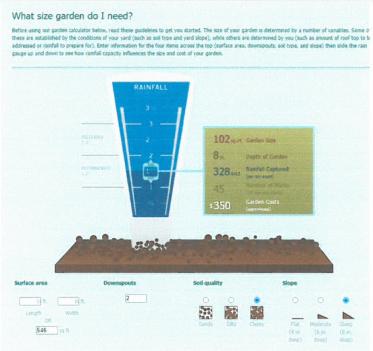
Because the deck is near the waterfront, most of the deck's surface area water will be managed by dry well tanks and a small garden. For the stairs which run along the side of the property, instead of collecting all of the water into a dry well tank, we are proposing to create a 20' x 10' rain garden at the top of the hill to collect runoff from the roadway which is likely to contain most of the pollutants.



## 25-YEAR RAINFALL MAP



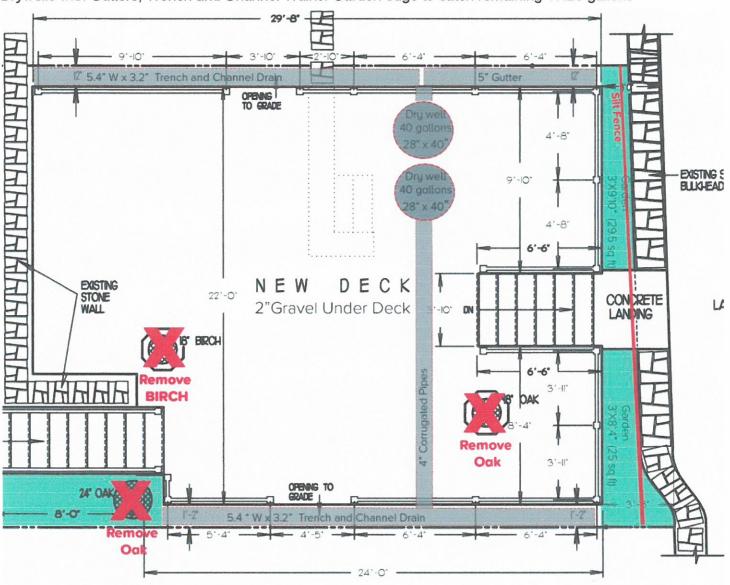
Label	Upper Decks Surface Area	Lower Decks Surface Area
Surface Area 1	48	234
Surface Area 2	40	192
Surface Area 3	144	120
Total Surface Area	232	546
Size Rain Garden Needed	87	102



## **Lower Decks**

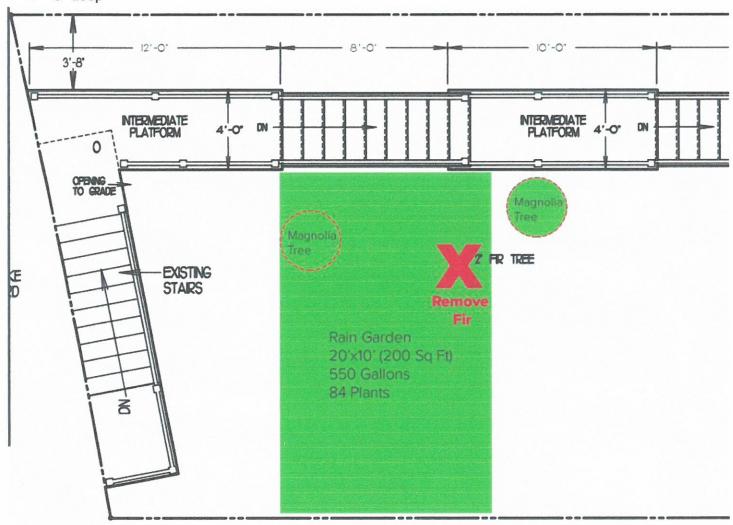
Stormwater Volume	97.25
Total Drainage	778
Inches Rainfall	1.5
Drywell Calculator	

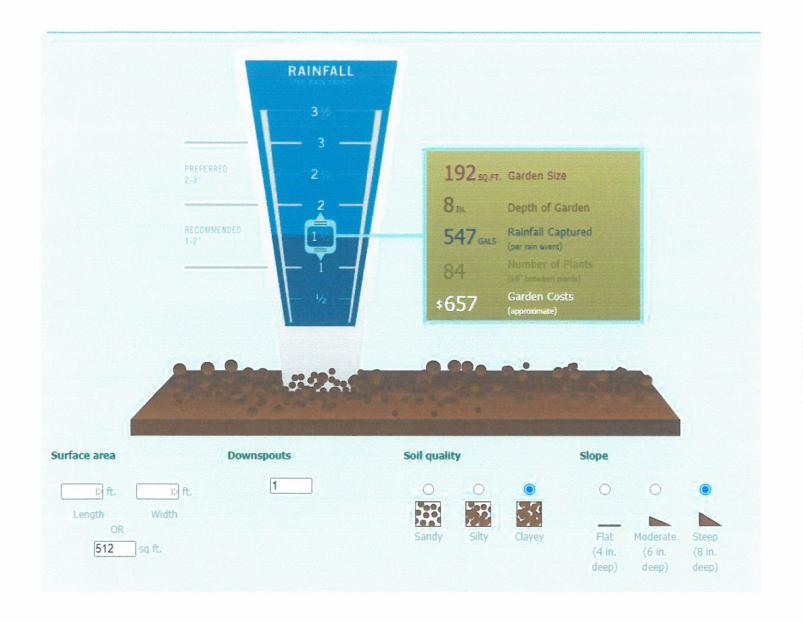
Drywells with Gutters, Trench and Channel Trains. Garden edge to catch remaining 17.25 gallons



## Rain Garden

- 20'x10'
- 550 Gallons
- 84 Plants
- 8" deep

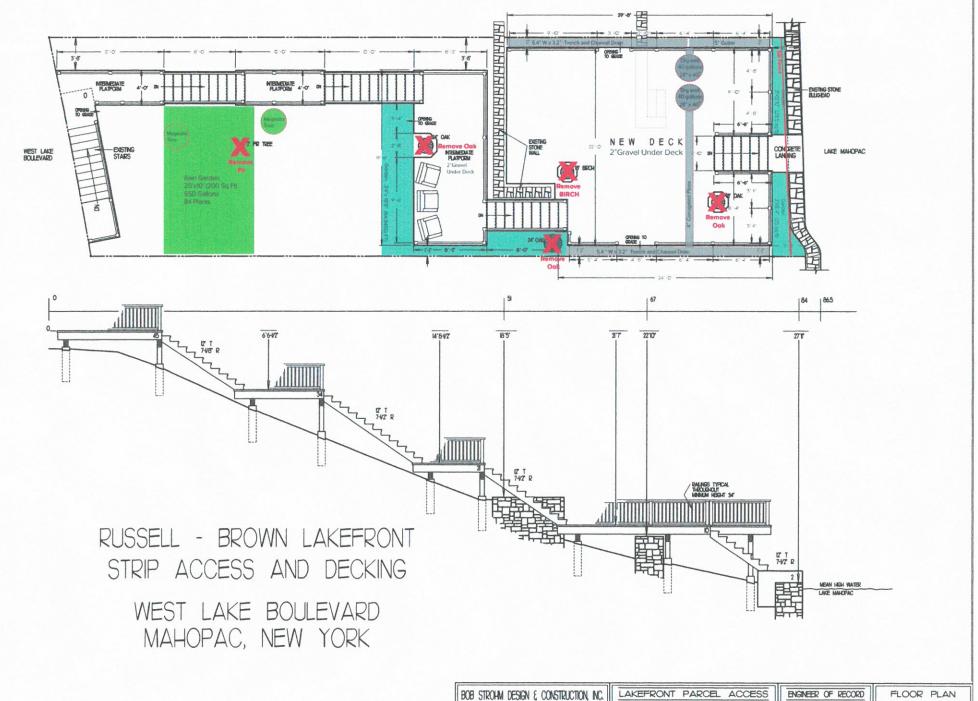




## Bill of Materials for Drainage

Item	Cost	Quantity	<b>Total Cost</b>	
40-Gallon Flo Well Storm Drainage Dry Well (24" x 28 3/4")	\$7	75.66	2 \$151.32	https://www.ho medepot.com/p/ NDS-40-Gallon- Flo-Well-Storm- Drainage-Dry- Well-FWAS24/1 00377387#prod uct-overview
Compact Series 5.4 in. W x 3.2 in. D x 39.4 in. L Trench and Channel Drain Kit with Black Grate (3-Pack: 9.8 ft)		<b>1</b> 7.99	3 \$143.97	https://www.ho medepot.com/p/ U-S-TRENCH- DRAIN-Compac 't-Series-5-4-in-

			W-x-3-2-in-D-x-39-4-in-L-Trench-and-Channel-Drain-Kit-with-Black-Grate-3-Pack-9-8-ft-83500-3/302782641
Compact Series 90° Comer for 3.2 in. D Trench and Channel Drain Systems w/ Black Grate	\$14.25	1	https://www.ho medepot.com/p/ U-S-TRENCH- DRAIN-Compac t-Series-90-Cor ner-for-3-2-in-D -Trench-and-Ch annel-Drain-Sys tems-w-Black-G rate-83600/302 \$14.25 782510
4 in. x 50 ft. Corrugated Pipes Drain Pipe Solid	\$45.08	1	https://www.ho medepot.com/p/ Advanced-Drain age-Systems-4- in-x-50-ft-Corru gated-Pipes-Dr ain-Pipe-Solid-0 4510050/20324 \$45.08 6774
5 in. x 10 ft. White Traditional Vinyl Gutter	\$4.62	2	https://www.ho medepot.com/p/ Amerimax-Hom e-Products-5-in- x-10-ft-White-Tr aditional-Vinyl- Gutter-M0573/1 \$9.24



NOTE

THESE PLANS ARE NOT VALID FOR BUILDING PERMITS OR CONSTRUCTION UNLESS STAMPED AND SIGNED BY A STATE LICENSED ARCHITECT OR ENGINEER.

BOB STROAM DESIGN & CONSTRUCTION, INC.



ELISE RUSSELL & BRETT BROWN WEST LAKE BOULEVARD MAHOPAC, NEW YORK

SEPT. 26, 2018 JOB NO. 2376

JOHN KARELL JR. P.E. CUSHMAN ROAD PATTERSON, NEW YORK (845) 878-7894



