

ROBERT LAGA
Chairman

NICHOLAS FANNIN
Vice Chairman

RICHARD FRANZETTI, P.E.
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
Anthony Federice
Nicole Sedran

ENVIRONMENTAL CONSERVATION BOARD AGENDA

AUGUST 18, 2022 – 7:30 P.M.

ELIGIBLE FOR A PERMIT

<u>APPLICANT</u>	<u>ADDRESS</u>	<u>TAX MAP #</u>	<u>COMMENTS</u>
1. Frey, Scott	345,351&355 Wixon Pond Rd	53.16-1-31,32,33	Construct Single Family Home, Driveway, Septic System & Well

PLANNING BOARD REFERRAL

2. Liberty New York Water	23 MacArthur Drive	54.20-1-42	Construction of A Water Treatment Building
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SUBMISSION OF AN APPLICATION OR LETTER OF PERMISSION

3. Molfetta, Robert	218 East Lake Blvd	65.17-1-9	Install 900 sq. ft. Patio & Rain Garden
4. Cioffi, Frank	436 Austin Road	64.5-1-48	Add Staircase to Existing Upper Level Deck

MISCELLANEOUS

5. Minutes – 06/02/22



architects + engineers

2700 Westchester Avenue, Ste 415
Purchase, NY 10577 | tel 914.358.5623

August 3, 2022

Environmental Conservation Board
60 McAlpin Avenue
Mahopac, NY 10541

**Re: Liberty New York Water
Wellhead Treatment at West Branch Acres
H2M Project No.: NYAW2105**

Dear Board Members:

On behalf of Liberty Utilities, formerly know as New York American Water, we are pleased to submit the following documents to support the application for the construction the of proposed water treatment building at the West Branch Acres site located on 23 General MacArthur Drive Carmel Hamlet, NY 10512.

The above project is located on an existing 2.11 acre water treatment and supply lot owned and operated by Liberty Utilities since acquired in 2017. This property currently contains a 10,000 gallon potable water storage tank, disinfection building, and three potable water wells to provide potable water to the surrounding community of 80 homes. Recent water quality sampling noted instances of contaminants exceeding the New York State maximum containment levels (MCLs) for per- and polyfluoroalkyl substances (PFAS) in two of the potable water wells and steadily increasing levels in the third well. Liberty Utilities takes pride in providing it's customers safe potable drinking water and has strict policies toward receiving notice of violations for any of it's sites. As a result of the exceedance in the two wells, Liberty Utilities has removed these two wells from service and is blending the third well with a health department approved potable water truck. The proposed water treatment building will include three 5,000-pound granular activated carbon (GAC) vessels and mircon pre-filters for the removal of per- and polyfluoroalkyl substances (PFAS) from the onsite wells to non-detectable concentrations. This project will also include necessarily security and site improvements in order to connect the wells and disinfection building. Plans and specifications have been submitted to the Town of Carmel Planning Board, Town of Carmel Fire Department and Putnam County Department of Health (PCDOH).

As part of this project we will be removing 13 deciduous trees and their stumps in the proposed area of construction and planting 15 Green Giant Arborvitae on the east side of the proposed GAC building. All trees being removed will be tagged at two visible points.

Based on best available information, the site is not on or within 100 feet of NYSDEC or Town regulated wetland or wetland buffer. Silt fences will be utilized during construction to mitigate any erosion and sediment issues as a result of the proposed construction project.

Enclosed in this submission are the following:

- NYSDEC SEQR Short Environmental Assessment Form – 11 copies
- H2M Plans – 5 copies

<u>Dwg. No.</u>	<u>Title</u>
-----------------	--------------

- | | |
|----------|-----------------------|
| ○ G 000 | Cover Sheet |
| ○ V 100 | Existing Conditions |
| ○ C 100 | Site Improvement Plan |
| ○ CL 100 | Landscape Site Plan |
| ○ C 500 | Site Details |

- Compact Disc containing electronic versions of the plans – 1 copy

Per the Town code this project requires review from the Environmental Conservation Board. We trust that this information is sufficient for your review and look forward to our discussion at the next meeting.

Very truly yours,

H2M architects + engineers

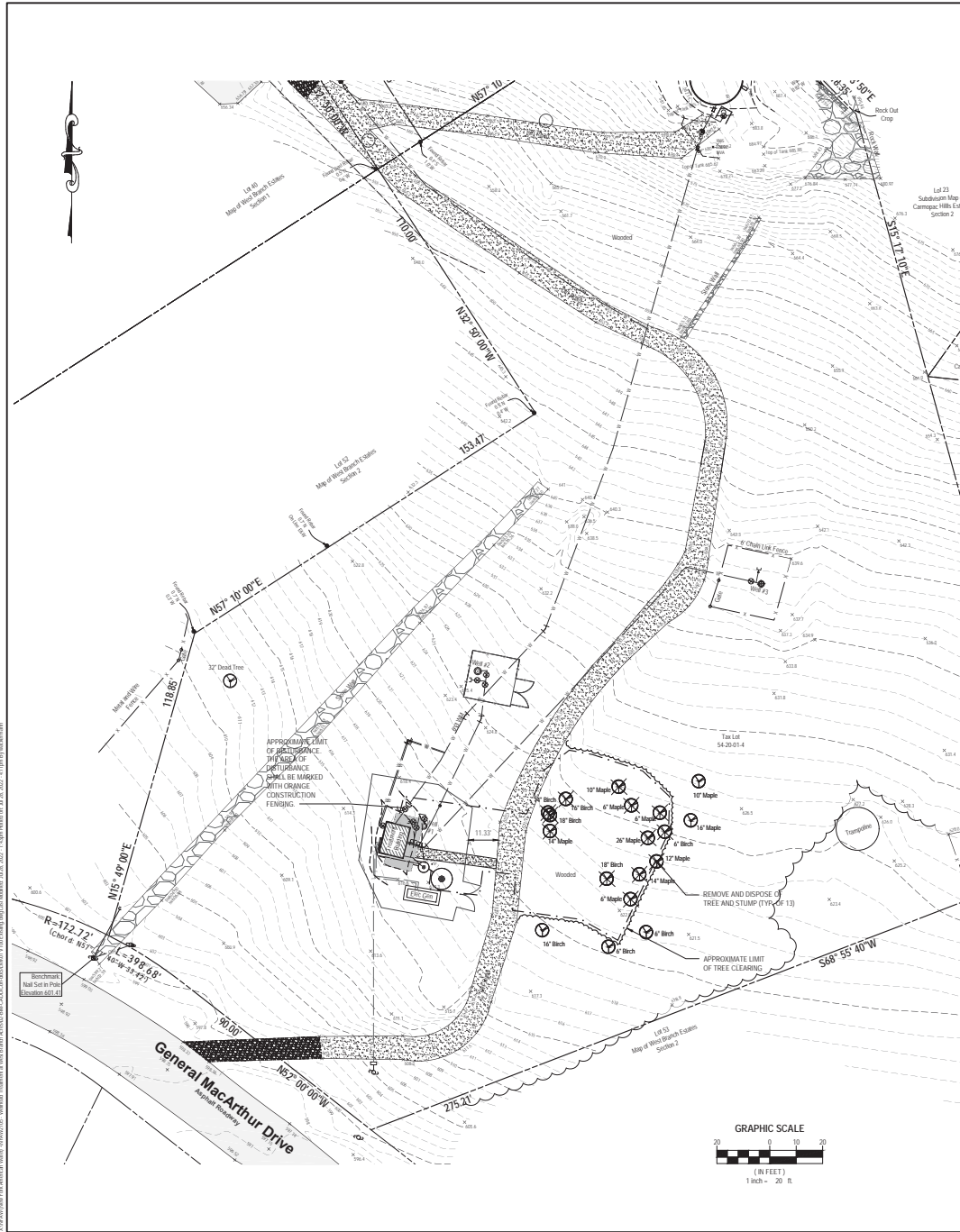
A handwritten signature in black ink, appearing to read 'Jessica Alves', is written over the company name.

Jessica Alves, P.E.
Senior Project Engineer

Enclosures: Planning Board Submission

cc: Christopher Peters-NYAW
John Kilpatrick - NYAW

X:\NYAW (New York American Water) -\NYAW2105 - Wellhead Treatment at West Branch Acres\02-Permitting\ECB\22-0728 - ECB Application Letter.docx



LEGEND

DESCRIPTION

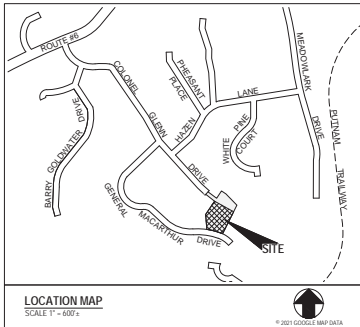
MONUMENT
 DRILL HOLE
 BENCHMARK
 WELL
 HYDRANT
 WATER MANHOLE
 WATER METER
 WATER VALVE
 SIGN
 TWO POST SIGN
 MANHOLE
 EVERGREEN TREE
 EVERGREEN SHRUB
 DECIDUOUS TREE
 DECIDUOUS SHRUB
 CURB
 DROP CURB
 OVERHEAD WIRES

SYMBOL

CONTOUR
 SPOT ELEVATION
 TYPICAL CURB GRADE
 REMOVE AND DISPOSE OF TREE AND STUMP

SITE DEMOLITION NOTES:

- REPORT ANY DISCREPANCIES BETWEEN ACTUAL FIELD CONDITIONS AND THE PLANS TO THE ENGINEER IN WRITING IMMEDIATELY.
- UNDERGROUND UTILITY INFORMATION SHOWN ON THESE PLANS WAS OBTAINED FOR DESIGN PURPOSES ONLY. PROVIDE FOR CONSTRUCTION MARKOUT AND LOCATE EXISTING UNDERGROUND UTILITIES. NO EXCAVATION CAN COMMENCE UNTIL UTILITY DOCUMENTATION HAS BEEN COMPLETED.
- AFTER MARKOUT AND PRIOR TO DISTURBING THE SITE, UNCOVER ALL SUBSURFACE UTILITIES AND STRUCTURES WITHIN LIMITS OF DISTURBANCE TO CONFIRM THEIR LOCATION AND DEPTH.
- NO COMPENSATION WILL BE MADE FOR ANY INCONVENIENCE CAUSED BY ENCOUNTERING UTILITIES AND STRUCTURES WHICH ARE NOT SHOWN, OR ARE INACCURATELY SHOWN ON THE PLANS.
- REPAIR ANY DAMAGE TO EXISTING UTILITIES RESULTING FROM CONTRACTOR OPERATIONS IMMEDIATELY AT NO COST TO OWNER.
- REPAIR ANY DAMAGE TO EXISTING SITE FEATURES SCHEDULED TO REMAIN RESULTING FROM CONTRACTOR OPERATIONS AT NO COST TO OWNER.
- LOCATE ALL COMPONENTS OF ANY EXISTING IRRIGATION SYSTEMS PRIOR TO CONSTRUCTION AND PROTECT THROUGHOUT THE DURATION OF THE CONTRACT. REPAIR ALL DAMAGED COMPONENTS AT NO ADDITIONAL COST TO THE OWNER.
- PROVIDE TEMPORARY FENCING TO PROTECT WORK AREAS.
- INSTALL EROSION CONTROL MEASURES AS SHOWN ON THE PLAN PRIOR TO ANY GROUND DISTURBANCE.
- DELINEATE THE LIMITS OF CLEARING AND REVIEW WITH THE OWNER PRIOR TO COMMENCING WORK.
- NOTIFY OWNER AND ENGINEER IMMEDIATELY IN WRITING WHEN UNKNOWN STRUCTURES OR SUSPECTED HAZARDOUS OR CONTAMINATED MATERIALS ARE ENCOUNTERED PRIOR TO REMOVAL OR DISTURBANCE.
- TAKE APPROPRIATE MEASURES TO PROTECT PEDESTRIANS AND VEHICULAR TRAFFIC DURING REMOVAL ACTIVITIES, AND PROVIDE TEMPORARY MEASURES FOR THE PROTECTION AND SAFETY OF THE PUBLIC UNTIL FINAL ACCEPTANCE BY THE OWNER.
- BACKFILL ALL VOIDS RESULTING FROM THE REMOVAL OF EXISTING SITE FEATURES. BACKFILL TO BE SOIL, FREE OF ORGANIC MATERIAL, DEBRIS, TRASH, CLAY AND STONES LARGER THAN 4 INCHES.



LIST OF PROPERTY OWNERS WITHIN 500' OF SITE

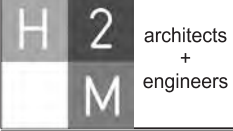
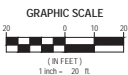
TAX MAP	NAME	ADDRESS
54.20-1-21	DANIEL ROMANELLO	11 HAZEN LN, CARMEL, NY 10512
54.20-1-28	WILLIAM DONZELLI	15 GEN MACARTHUR DR, CARMEL, NY 10512
54.20-1-49	MARCELO LAVIANO	164 HICKORY BEND RD W, CARMEL, NY 10512
54.20-1-54	DAVID PARKINSON	18 GEN MACARTHUR DR, CARMEL, NY 10512
54.20-1-20	A KENT GORHAM	2 WHITE PINE CT, CARMEL, NY 10512
54.20-1-52	JESUS BONILLA	22 GEN MACARTHUR DR, CARMEL, NY 10512
54.20-1-43	CHARLES D CALHOUN	25 GEN MACARTHUR DR, CARMEL, NY 10512
54.20-1-31	GARRETT FAMILY TRUST	30 COL GLENN DR, CARMEL, NY 10512
54.20-1-24	KEITH JOHNSON	33 COL GLENN DR, CARMEL, NY 10512
54.20-1-28	ROBERT F GLATZ	36 COL GLENN DR, CARMEL, NY 10512
54.20-1-19	DOUGLAS DALY	4 WHITE PINE CT, CARMEL, NY 10512
54.16-1-23	ROSE MARIE PATANE	7 HAZEN LN, CARMEL, NY 10512
45.8-1-8	FEDERICO LOPARDO	11 CANNON RD, CARMEL, NY 10512
54.20-1-50	JOSEPH SMOKE	3 HAZEN LN, CARMEL, NY 10512
54.20-1-48	JENNIFER SADEIRA	165 HICKORY BEND RD W, CARMEL, NY 10512
54.20-1-40	WALTER STRAUB	19 GEN MACARTHUR DR, CARMEL, NY 10512
54.20-1-53	TIMOTHY J STEFANK	20 GEN MACARTHUR DR, CARMEL, NY 10512
54.20-1-42	NEW YORK AMERICAN WATER	260 RT 176, SUITE 105, CARMEL, NY 10512
54.20-1-44	KARA JACOBS	26 GEN MACARTHUR DR, CARMEL, NY 10512
54.20-1-23	THOMAS A TAFEY	31 COL GLENN DR, CARMEL, NY 10512
54.20-1-29	MARK PAPA	34 COL GLENN DR, CARMEL, NY 10512
54.20-1-27	JOHN CANADAY	38 COL GLENN DR, CARMEL, NY 10512
54.20-1-16	DANNE M BEBOUT	5 WHITE PINE CT, CARMEL, NY 10512
54.20-1-17	VIRELIO A MONTELEONE	7 WHITE PINE CT, CARMEL, NY 10512
54.20-1-46	DAKOTA J CATUCCI	14 HICKORY BEND RD W, CARMEL, NY 10512
54.20-1-47	JENNIFER SADEIRA	165 HICKORY BEND RD W, CARMEL, NY 10512
54.20-1-39	ANTHONY SCALA	17 GEN MACARTHUR DR, CARMEL, NY 10512
54.20-1-13	ROBERT MCCORMAN	19 MACARTHUR DR, CARMEL, NY 10512
54.20-1-41	ANTHONY LOMBARDI	21 GEN MACARTHUR DR, CARMEL, NY 10512
54.20-1-51	MAGDALY ORTIZ	24 GEN MACARTHUR DR, CARMEL, NY 10512
54.20-1-15	ANISLEY RUIZ	3 WHITE PINE CT, CARMEL, NY 10512
54.20-1-30	STEVE BAUMACE	32 COL GLENN DR, CARMEL, NY 10512
54.20-1-25	JOSEPH CANEPA	35 COL GLENN DR, CARMEL, NY 10512
54.20-1-26	JAMES E KRON	39 COL GLENN DR, CARMEL, NY 10512
54.20-1-18	DOMINICK TURSI	6 WHITE PINE CT, CARMEL, NY 10512
54.16-1-34	RENE HOLMANN	9 HAZEN LN, CARMEL, NY 10512

EXISTING CONDITIONS NOTES:

- EXISTING BASE PLAN DEVELOPED FROM SURVEY PREPARED BY H2M ARCHITECTS + ENGINEERS, DATED 10/21/2018, AND WEST BRANCH ACRES WATER SYSTEM IMPROVEMENTS PLANS PREPARED BY H2M ARCHITECTS + ENGINEERS, DATED APRIL 2019.
- PLAN DEPICTS PART OF LOT 42 OF PUTNAM COUNTY TAX MAP, DISTRICT 54, SECTION 20 IN BLOCK 01 LOCATED IN THE TOWN OF CARMEL IN PUTNAM COUNTY, NEW YORK.
- BENCHMARK - NAIL SET IN POLE LOCATED AT THE SOUTH WEST CORNER OF THE PROPERTY ALONG GENERAL MACARTHUR DRIVE AT ELEVATION 601.41 IN WVD1988.
- LOCATION OF UNDERGROUND UTILITIES AND STRUCTURES BOTH PUBLIC AND CUSTOMER OWNED WERE OBTAINED FROM EITHER OLD MAPS, SURVEYS, DRAWINGS/RECORDS SUPPLIED BY OTHERS AND/OR UTILITY MARKOUT. THE OWNER AND ENGINEER DO NOT GUARANTEE OR ACCEPT RESPONSIBILITY FOR ANY DAMAGE TO SUCH FACILITIES DUE TO DISCREPANCIES IN LOCATION AND SIZE SHOWN ON THE PLANS OR THOSE UTILITIES AND STRUCTURES NOT SHOWN.

SITE DATA:

LOCATION OF PREMISES: 39 COLONEL GLENN DRIVE, CARMEL, NEW YORK
 TAX MAP: MAP 54.20-1-42, BLOCK 20, LOT 1, SUBLOT 42
 PARCEL AREA: OVERALL - 91,944 S.F. OR 2.11 ACRES
 ZONE: RESIDENTIAL
 OWNER: NEW YORK AMERICAN WATER
 60 BROOKLYN AVENUE, MERRICK, NY
 10716 432-2226
 APPLICANT: NEW ACCESSORY BUILDING / SHED/GARAGE



2700 Westchester Ave., Suite 415
 Purchase, NY 10577
 914.358.6223 • www.h2m.com

DATE: 07-29-22

PROJECT: NYAW2105

SCALE: 1" = 20'

MARK	DATE	DESCRIPTION
1	07-29-22	PLANNING BOARD COMMENTS



DESIGNED BY: B.S.L. DRAWN BY: B.S.L. CHECKED BY: M.R.M. DATE: FEBRUARY 2022

Liberty New York Water

Wellhead Treatment at West Branch Acres



Carmel, NY

STATUS: REGULATORY REVIEW

SHEET TITLE: EXISTING CONDITIONS PLAN

DATE: 07-29-22

PROJECT: NYAW2105

SCALE: 1" = 20'

V 100.00

3/20/2023 10:58 AM Project: NYAW2105 - Wellhead Treatment at West Branch Acres (2022) - 11.000 (Printed on 07/29/2022 11:00 AM)

CONSULTANTS:

MARK	DATE	DESCRIPTION
1	07-28-22	PLANNING BOARD COMMENTS

REVISIONS:

DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY
NR	NR	RAK	

PROJECT NO.	DATE	SCALE
NYAW2106	FEBRUARY 2022	

Liberty New York Water

Wellhead Treatment at West Branch Acres

Liberty

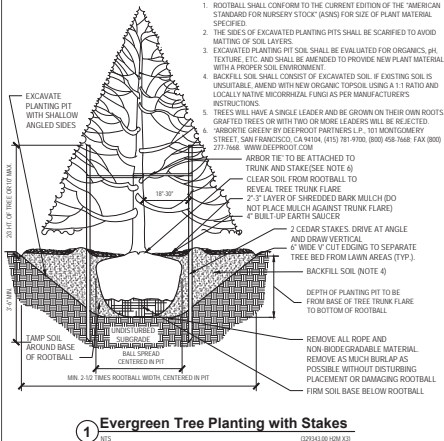
Carmel, NY

CONTRACT:

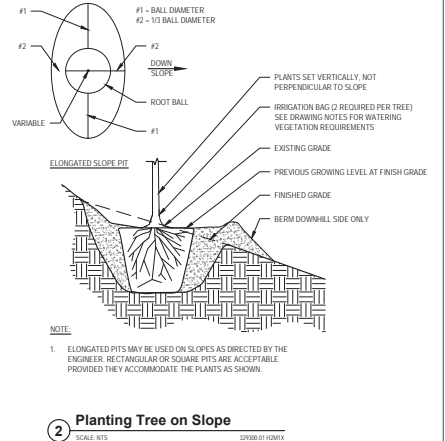
STATUS: **REGULATORY REVIEW**

SHEET TITLE: **LANDSCAPE SITE PLAN**

PROJECT NO.: **CL 100.00**



1 Evergreen Tree Planting with Stakes
SCALE: NTS (EXPLAINED IN NTS)



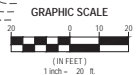
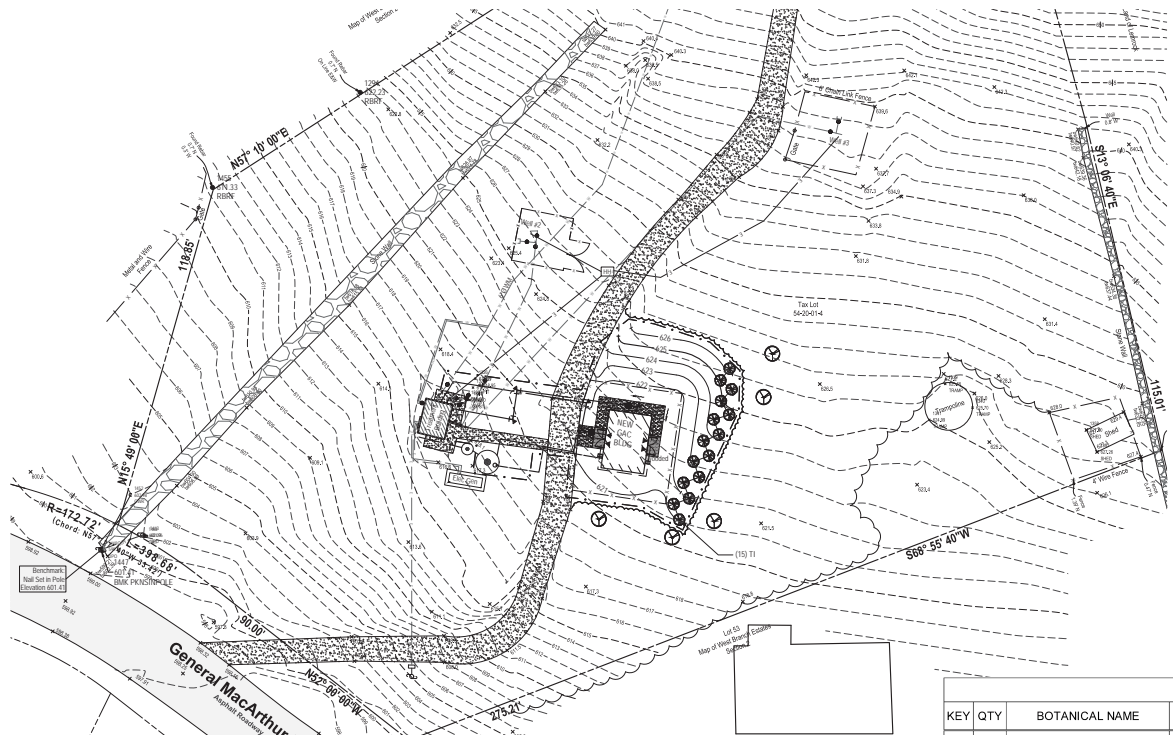
2 Planting Tree on Slope
SCALE: NTS (EXPLAINED IN NTS)

LEGEND

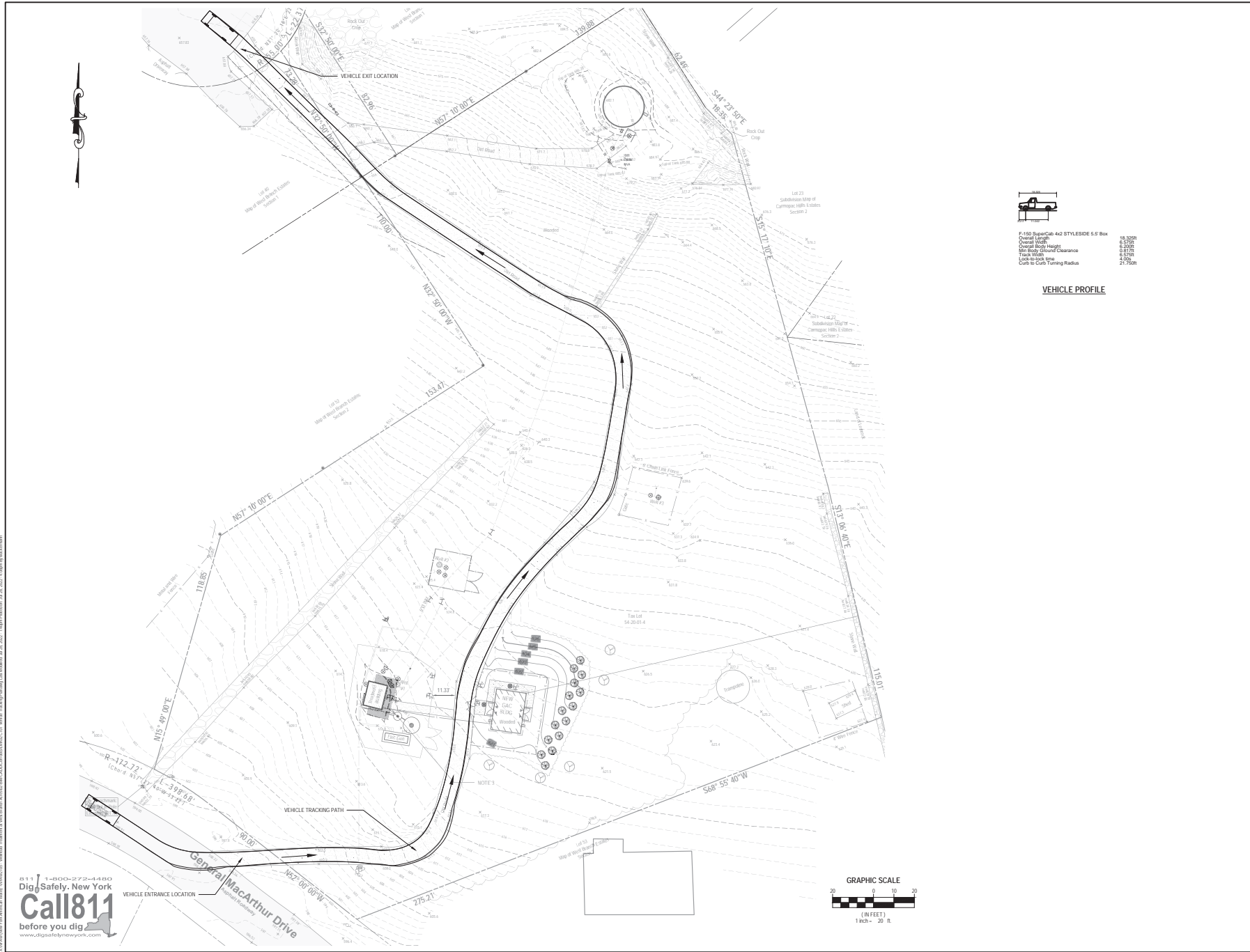
DESCRIPTION	SYMBOL
EXISTING WOODLAND EDGE	
NEW EVERGREEN TREE	

PLANTING NOTES

- ALL SUPPLIED AND INSTALLED PLANT MATERIAL SHALL BE NURSERY GROWN STOCK IN ACCORDANCE WITH THE LATEST EDITION OF THE 'AMERICAN STANDARD FOR NURSERY STOCK' (ANSI Z60.1). PLANT MATERIAL SHALL BE OF THE APPROVED SPECIES AND GROWN UNDER THE SAME CLIMATIC CONDITIONS AS THE SUBJECT SITE. THEY SHALL BE OF SYMMETRICAL GROWTH, FREE OF INSECTS, PESTS, AND DISEASE. SUBSTITUTIONS MUST BE APPROVED IN WRITING BY THE LANDSCAPE ARCHITECT.
- CONFIRM THE LOCATION OF EXISTING SUBSURFACE UTILITIES WITH THE RESPECTIVE UTILITIES COMPANIES AND COORDINATE WITH THE GRADING AND DRAINAGE PLAN OR UTILITY PLAN FOR THE LOCATION OF PROPOSED SUBSURFACE UTILITY LINES AND STRUCTURES PRIOR TO ANY EXCAVATION. NOTIFY THE LANDSCAPE ARCHITECT IF ANY CONFLICTS EXIST.
- NOTIFY THE LANDSCAPE ARCHITECT IMMEDIATELY AND PRIOR TO THE INSTALLATION OF ANY PLANT MATERIALS IF SUB-GRADE SOIL CONDITIONS ARE DETERIOROUS TO PLANT GROWTH OR WILL INHIBIT DRAINAGE.
- IF ANY DISCREPANCY EXISTS BETWEEN THE PLANT COUNT SHOWN IN THE PLANT MATERIAL LIST AND THE PLANTING PLAN, THE PLAN SHALL TAKE PRECEDENCE.
- UNLESS OTHERWISE APPROVED IN WRITING, INSTALL VEGETATION DURING THE FOLLOWING PERIODS:
 - DECIDUOUS WOODY PLANTS: SEPTEMBER 15 TO MAY 15 WHENEVER TEMPERATURE IS ABOVE 40 DEGREES F.
 - EVERGREENS: AUGUST 15 TO SEPTEMBER 15 OR DURING APRIL AND MAY BEFORE THE START OF NEW GROWTH.
 - SEEDING: APRIL 1 TO MAY 15 AND SEPTEMBER 1 TO OCTOBER 15.
- PLANTS SHALL BEAR THE SAME RELATIONSHIP TO FINISHED GRADE AS THEY BORE TO THE EXISTING GRADE IN THE NURSERY.
- THE TRUNK DIAMETER OF DECIDUOUS TREES SHALL BE MEASURED IN ACCORDANCE WITH THE LATEST EDITION OF THE 'AMERICAN STANDARD FOR NURSERY STOCK' (ANSI Z60.1) FOR THE CALIPER SIZE AS SHOWN IN THE PLANT MATERIAL LIST.
- ALL DECIDUOUS TREES SHALL BE BRANCHED NOT LOWER THAN SEVEN (7) FEET WITH AN AVERAGE HEIGHT AND SPREAD FOR THE PARTICULAR SIZE AND SPECIES SPECIFIED. IN ACCORDANCE WITH THE LATEST EDITION OF THE 'AMERICAN STANDARD FOR NURSERY STOCK'.
- DO NOT LOCATE TREE TRUNKS WITHIN THREE (3) FEET OF ANY PARKING LOT OR STREET CURBS.
- INSTALL A 2" LAYER OF SHREDDED BARK MULCH IN ALL TREE PLANTING AREAS AND SHRUB BEDS. DO NOT PLACE MULCH DIRECTLY AGAINST TRUNKS OF TREES. FORM AN EARTH SAUCER AROUND EACH PLANT OR SHRUB BED SO AS TO HOLD WATER AND MULCH. PROVIDE SUFFICIENT IRRIGATION FOR ALL PLANT MATERIALS TO MAINTAIN HEALTHY AND VIGOROUS CONDITION UNTIL THE PROJECT IS ACCEPTED BY THE OWNER.
- REMOVE TREE STAKES AND OTHER PLANTING GUIDE MATERIALS, IF SPECIFIED, AFTER ONE YEAR FROM THE TIME OF PLANTING.
- ALL PLANT MATERIAL SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER PLANTING FOLLOWING ACCEPTANCE BY THE OWNER. UPON COMPLETION OF THE ONE YEAR PLANT GUARANTEE PERIOD, REPLACE ALL PLANT MATERIAL (DEAD, DYING OR DISEASED) AS DETERMINED BY THE LANDSCAPE ARCHITECT. REPLACE PLANT WITH THE SAME SPECIES AND SIZE IMMEDIATELY DURING THE CURRENT GROWING SEASON OR AT THE BEGINNING OF THE NEXT GROWING SEASON.
- UPON COMPLETION OF PLANTING OPERATION CULTIVATE AND NEATLY RAKE ALL PLANTING AREAS.
- RESTORE ALL DISTURBED GRASS AREAS AND ALL AREAS NOT SPECIFICALLY IDENTIFIED FOR OTHER IMPROVEMENTS WITH 4 INCHES OF TOPSOIL AND SEED. PROVIDE SUFFICIENT MULCH AND IRRIGATION TO ESTABLISH AND MAINTAIN A HEALTHY STAND OF GRASS UNTIL PROJECT IS ACCEPTED BY THE OWNER.

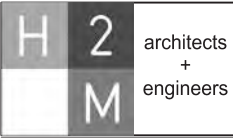


PLANT MATERIAL LIST								
KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	MATURE HEIGHT	MATURE WIDTH	REMARKS
		EVERGREEN TREES						
TI	15	Thuja x 'Green Giant'	Green Giant Arborvitae	6' - 7' Ht.	B&B	30' - 50' Ht.	12' - 15' W.	All evergreen trees to be specimen quality, full and dense, branched to the ground.



F-150 SuperCrew 4x2 STYLESIDE 5.5 Box
 Overall Length 18.32m
 Overall Width 2.55m
 Overall Body Height 2.20m
 Max Body Ground Clearance 0.81m
 Track Width 2.03m
 Lock-to-lock 9.7m
 Curve to Curve Turning Radius 21.75m

VEHICLE PROFILE



2700 Westchester Ave., Suite 415
 Purchase, NY 10577
 914.358.6223 • www.h2m.com

CONTRACT NO.

MARK	DATE	DESCRIPTION
1	07-29-22	PLANNING BOARD COMMENTS



DESIGNED BY: BUIL BY: CHECKED BY: REVIEWED BY:
 PROJECT NO: NYAW2105 TITLE: FEBRUARY 2022 SCALE: 1" = 20'

Liberty New York Water

Wellhead Treatment at West Branch Acres

Camel, NY

CONTRACT

STATUS: REGULATORY REVIEW

SHEET TITLE: VEHICLE TRACKING PLAN

SHEET NO.: C 101.00

X:\P\2105\New York Water\2105_07010216_Wellhead Treatment at West Branch Acres\BIM\3D\3D_VEHICLE TRACKING PLAN.dwg (11/26/2022 4:08PM) by user:an...

Dig Safely, New York
 before you dig
 www.digsafelynewyork.com

ROBERT LAGA
Chairman

NICHOLAS FANNIN
Vice Chairman

RICHARD FRANZETTI
Wetland Inspector

ROSE TROMBETTA
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TOWN OF CARMEL
ENVIRONMENTAL CONSERVATION BOARD



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Tel. (845) 628-1500 - Ext. 190
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BOARD MEMBERS

Edward Barnett
Anthony Federice
Nicole Sedran

APPLICATION FOR WETLAND PERMIT OR LETTER OF PERMISSION

Name of Applicant: Robert Molfetta

Address of Applicant: 5 Bucyrus Ave Carmel NY 10512 Email: molfettar@gmail.com

Telephone# 914 420 5773 Name and Address of Owner if different from Applicant:

Property Address: 218 East Lake Blvd. Mahopac Tax Map # 65.17-1-9

Agency Submitting Application if Applicable:

Location of Wetland: Lake Mahopac

Size of Work Section & Specific Location: 218 East Lake Blvd 15' x 25'

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).

Installing a rain garden to accommodate a 900 sf patio.

Proposed Start Date: 8/22/22 Anticipated Completion Date: 10/1/22 Fee Paid \$ 225.00

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.

Robert Molfetta
SIGNATURE

8/15/22
DATE

Short Environmental Assessment Form

Part 1 - Project Information

Instructions for Completing

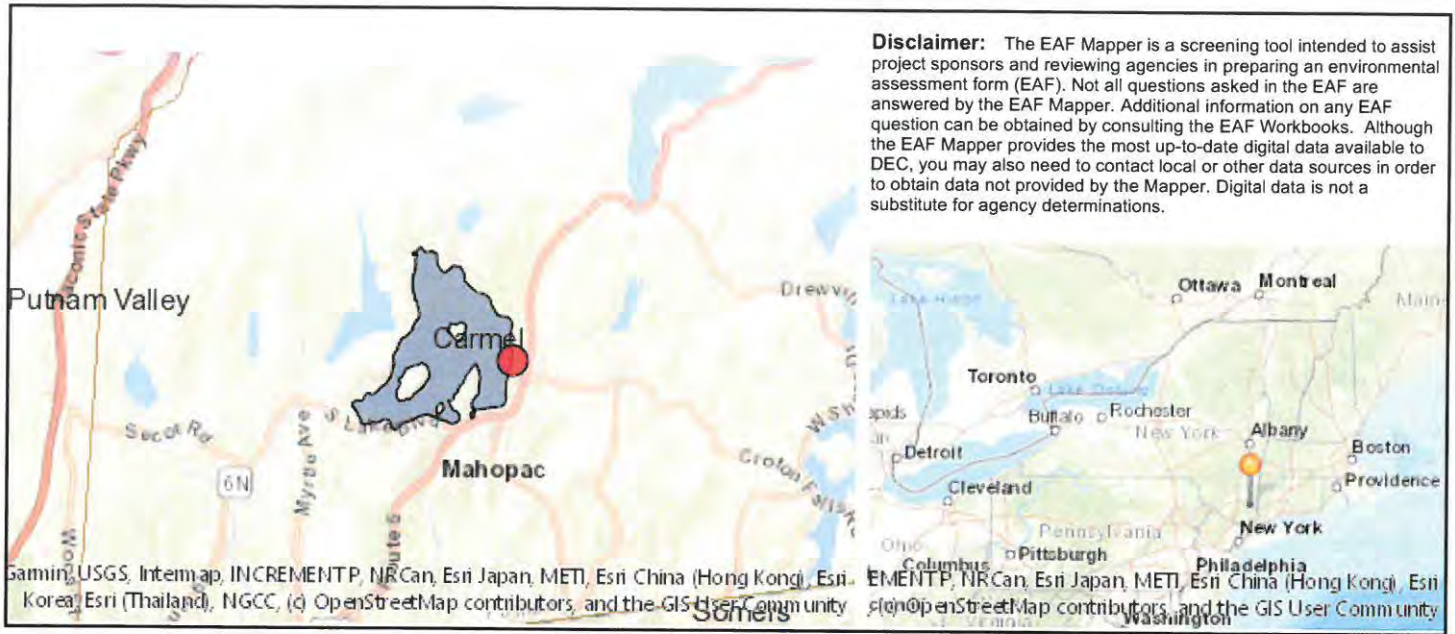
Part 1 – Project Information. The applicant or project sponsor is responsible for the completion of Part 1. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification. Complete Part 1 based on information currently available. 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			
Robert and Deborah Molfetta			
Name of Action or Project: Repair existing patio and create a patio on overgrown shrubbery.			
Project Location (describe, and attach a location map): 218 East Lake Blvd. Mahopac, NY 10541			
Brief Description of Proposed Action: Repair existing retaining walls and patio that is in disrepair. Install new Unilock patio pavers to cover approximately 900 sq. ft. of the existing patio that was in disrepair and overgrown with weeds and shrubs. Install a 10' x 14' rain garden to accommodate water dispersement of the patio.			
Name of Applicant or Sponsor: Robert and Deborah Molfetta		Telephone: 914 420 5773	
Address: 5 Bucyrus Ave		E-Mail: molfettar@gmail.com	
City/PO: Carmel		State: NY	Zip Code: 10512
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 may be affected in the municipality and proceed to Part 2. If no, continue to question 2.			NO <input type="checkbox"/>
			YES <input checked="" type="checkbox"/>
2. Does the proposed action require a permit, approval or funding from any other government Agency? If Yes, list agency(s) name and permit or approval:			NO <input checked="" type="checkbox"/>
			YES <input type="checkbox"/>
3. a. Total acreage of the site of the proposed action?		0.048 acres	
b. Total acreage to be physically disturbed?		0.020 acres	
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor?		0.048 acres	
4. Check all land uses that occur on, are adjoining or near the proposed action:			
5. <input type="checkbox"/> Urban <input type="checkbox"/> Rural (non-agriculture) <input type="checkbox"/> Industrial <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Residential (suburban)			
<input type="checkbox"/> Forest <input type="checkbox"/> Agriculture <input type="checkbox"/> Aquatic <input type="checkbox"/> Other(Specify):			
<input type="checkbox"/> Parkland			

5. Is the proposed action, a. A permitted use under the zoning regulations?	NO	YES	N/A
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Consistent with the adopted comprehensive plan?	NO	YES	N/A
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Is the proposed action consistent with the predominant character of the existing built or natural landscape?	NO	YES	
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7. Is the site of the proposed action located in, or does it adjoin, a state listed Critical Environmental Area? If Yes, identify: _____	NO	YES	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
8. a. Will the proposed action result in a substantial increase in traffic above present levels? 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?	NO	YES	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
9. Does the proposed action meet or exceed the state energy code requirements? If the proposed action will exceed requirements, describe design features and technologies: _____ _____	NO	YES	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
10. Will the proposed action connect to an existing public/private water supply? If No, describe method for providing potable water: _____ _____	NO	YES	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
11. Will the proposed action connect to existing wastewater utilities? If No, describe method for providing wastewater treatment: _____ _____	NO	YES	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
12. a. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district 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 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?	NO	YES	
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
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? 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: _____ _____ _____	NO	YES	
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

14. Identify the typical habitat types that occur on, or are likely to be found on the project site. Check all that apply:		
<input checked="" type="checkbox"/> Shoreline <input type="checkbox"/> Forest <input type="checkbox"/> Agricultural/grasslands <input type="checkbox"/> Early mid-successional <input type="checkbox"/> Wetland <input type="checkbox"/> Urban <input checked="" type="checkbox"/> 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?	NO	YES
Northern Long-eared Bat	<input type="checkbox"/>	<input checked="" type="checkbox"/>
16. Is the project site located in the 100-year flood plan?	NO	YES
	<input type="checkbox"/>	<input checked="" type="checkbox"/>
17. Will the proposed action create storm water discharge, either from point or non-point sources?	NO	YES
If Yes,	<input checked="" type="checkbox"/>	<input type="checkbox"/>
a. Will storm water discharges flow to adjacent properties?	<input type="checkbox"/>	<input type="checkbox"/>
b. Will storm water discharges be directed to established conveyance systems (runoff and storm drains)?	<input type="checkbox"/>	<input type="checkbox"/>
If Yes, briefly describe: _____ _____		
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: _____ _____	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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: _____ _____	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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: _____ _____	<input type="checkbox"/>	<input checked="" type="checkbox"/>
I CERTIFY THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE		
Applicant/sponsor/name: <u>Robert Molfetta</u> Date: <u>8/2/2022</u>		
Signature: <u>Robert Molfetta</u> Title: <u>Owner</u>		



Part 1 / Question 7 [Critical Environmental Area]	No
Part 1 / Question 12a [National or State Register of Historic Places or State Eligible Sites]	Yes
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]	Yes

Rain Garden for 218 East Lake Blvd. Mahopac, NY

I propose to build a rain garden to control water runoff from the patio I am installing at 218 East Lake Blvd. According to my calculations and DEP regulations a rain garden of 140 square feet should be sufficient for the patio. Calculations are attached. The rain garden will consist of 24" of gravel and a layer of filter fabric and then 12" of soil media. The patio will be pitched very slightly to allow all water to flow into the rain garden.

I have approximately 900 sq. feet of patio with a 140 sq. feet of rain garden. The size of the rain garden is within the parameters recommended by the USDA which are 7 to 20 percent of the impervious area. The size of my rain garden is approximately 15% of the impervious area.

Plants selected will be blue star (amsonia), new england aster (*Aster novae angliae*), cinnamon fern (*Osmunda cinnamomea*), feather reed grass (*Calamagrostis acutiflora*), goldenrod (*Solidago* spp), evening primrose (*Oenothera* spp.)

Robert Molfetta
218 East Lake Blvd.
Rain Garden Calculations

900 sf. of patio surface

Ponding Depth 3"

1" Rainfall

12" Soil Media

24" Drainage Depth (Gravel)

$$W_{QV} = \frac{1" \times .95 \times 900}{12} = 71.25 \text{ cf}$$

$$V_{DL} = A_{rg} \times D_{DL} \times P_{DL}$$
$$140' \times 24(2) \times .40 = 56 \text{ cf}$$

$$V_{SM} = A_{rg} \times D_{SM} \times P_{SM}$$
$$140' \times 12(1) \times .20 = 28 \text{ cf}$$

$$W_{QV} \leq V_{SM} + V_{DL} + (D_P \times A_{rg})$$

$$W_{QV} \leq 28 + 56 + (3"(.5) \times 140) = 154 \text{ cf}$$

$$W_{QV} = 71.25 \text{ cf} \leq 154 \text{ cf}$$



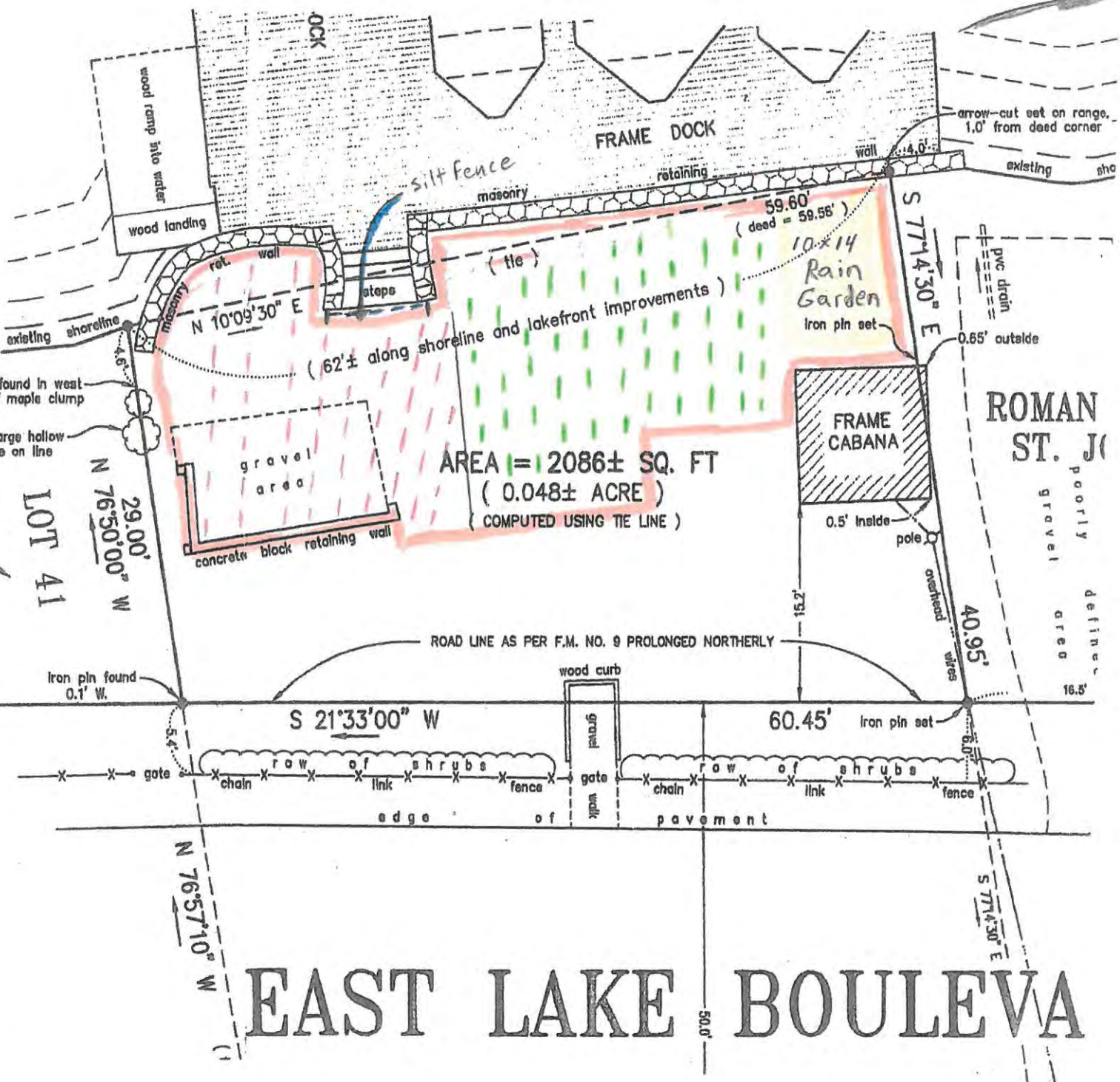
New Patio

Retaining Wall

Rain Garden
10' x 14'

Existing Patio

Silt fence



AREA = 2086± SQ. FT
 (0.048± ACRE)
 (COMPUTED USING TIE LINE)

MAP OF LAKE MAHOP
 PROPERTY OF THE MIL
 (filed February 19, 1916 AS N

EAST LAKE BOULEVARD

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
Anthony Federica
Nicole Sedran

APPLICATION FOR WETLAND PERMIT OR LETTER OF PERMISSION

Name of Applicant: FRANK CIOFFI
Address of Applicant: 436 AUSTIN RD MAHOPAC 10541 Email: MURECONS@OPTONLINE.NET
Telephone# 914 490 6821 Name and Address of Owner if different from Applicant:

Property Address: 436 AUSTIN RD. Tax Map # _____

Agency Submitting Application if Applicable: _____

Location of Wetland: STREAM AT REAR (EAST) SIDE OF HOUSE

Size of Work Section & Specific Location: STAIR ASSEMBLY 4' W 29' LONG NORTH SIDE

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).

ADDING A STAIRCASE TO EXISTING UPPER LEVEL DECK ON NORTH SIDE OF HOUSE.

Proposed Start Date: AUG 2022 Anticipated Completion Date: OCT 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.

Frank Cioffi
SIGNATURE

7-25-2022
DATE

Deck Stairs specifications

436 Austin Rd

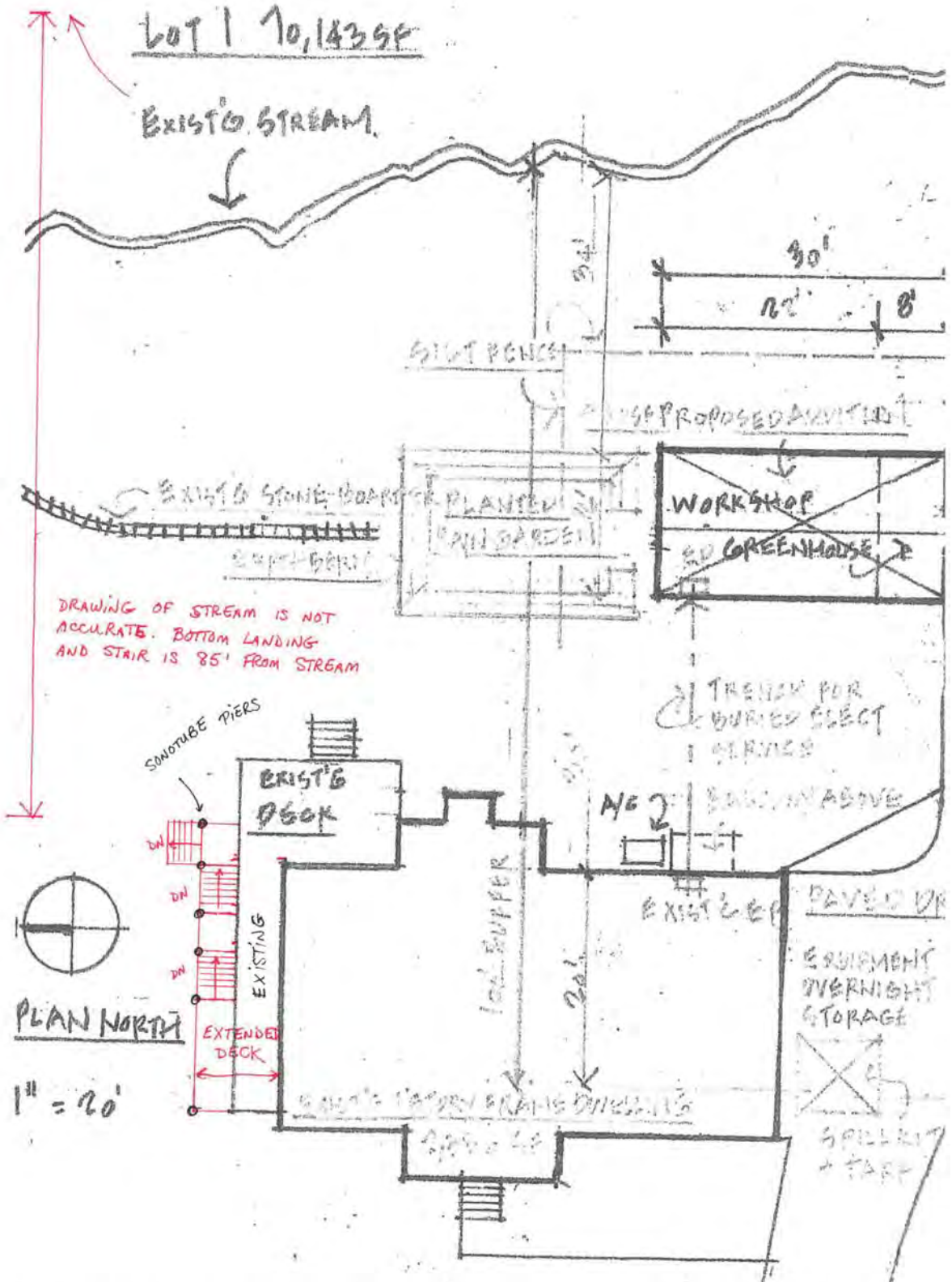
The following are some details for the proposed staircase built adjacent to an existing deck.

- 6-10" concrete filled sonotubes to support attached posts under three platforms.
- 4x4 ACQ posts fastened to each sonotube to support upper, mid, and lower platforms.
- Platforms framed with 2x6 ACQ lumber @16" on center.
- Stair stringers to be 2x12 ACQ.
- Decking and stair treads to be 2x6 ACQ.
- Handrails are 2x6 ACQ with 2x2 balusters to match existing.
- Concrete landing pad at bottom of lower stair section.
- All deck hardware, bolts and fasteners as required.

Note: Location of stream on drawing is not to scale or accurately drawn. Closest part of stair assembly is 85 ft. from stream.

LOT 1 70,143 SF

EXIST'G STREAM



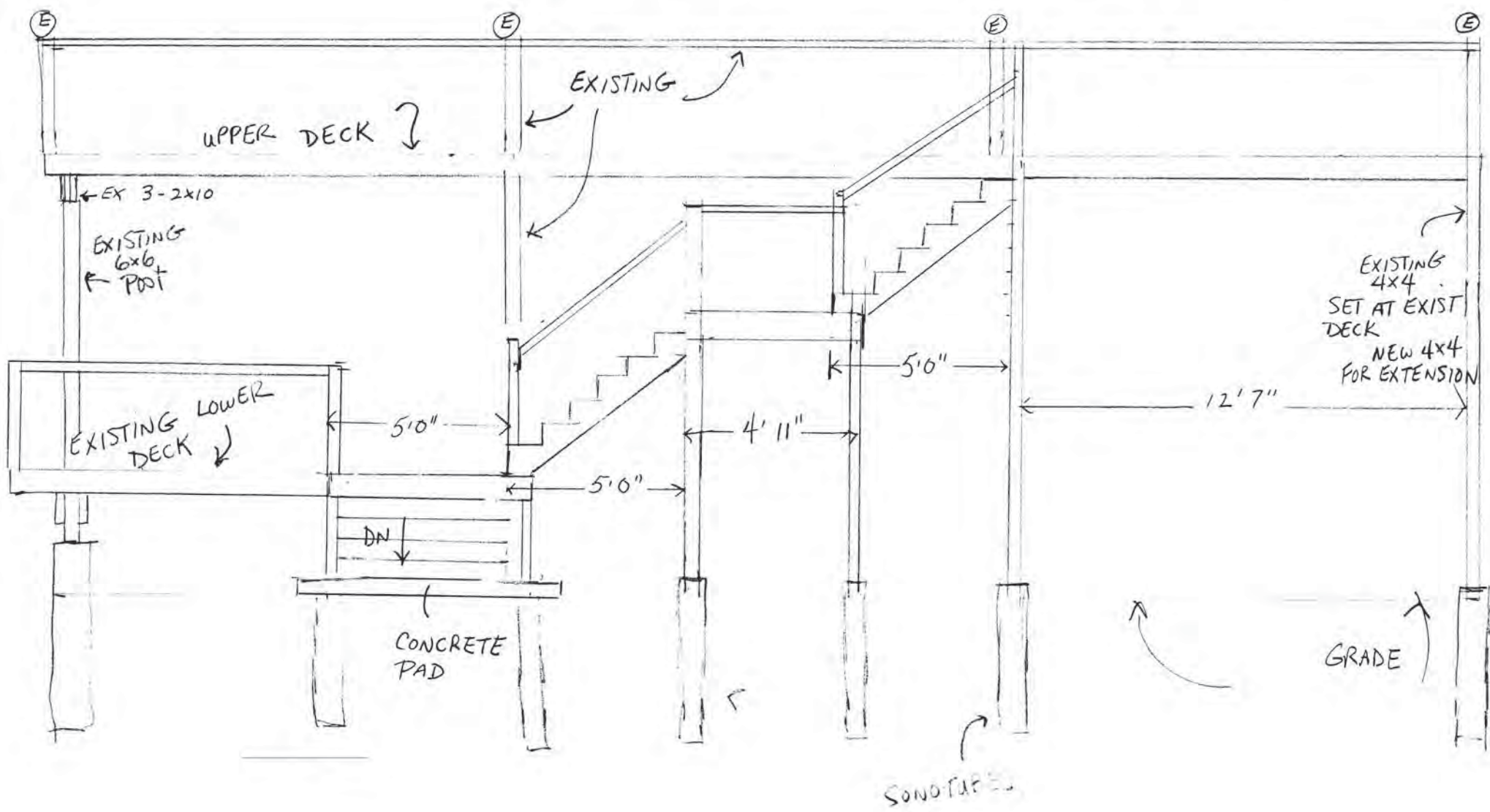
DRAWING OF STREAM IS NOT ACCURATE. BOTTOM LANDING AND STAIR IS 85' FROM STREAM



PLAN NORTH

1" = 20'

CONSTRUCTION PERIOD PART PLAN



SCALE 1/4" = 1'

EXISTING DECK

HOUSE

EXISTING DOOR

4"

6" SPACE

8'4"

NEW EXTENDED DECK

LOWER LANDING

DN

MID LANDING

DN

DN

13'2"
+/-

5'

SCALE 1/4" = 1'

