TOWN OF CARMEL

ENVIRONMENTAL CONSERVATION BOARD

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

ENVIRONMENTAL CONSERVATION BOARD AGENDA

AUGUST 4, 2022 – 7:30 P.M.

SUBMISSION OF AN APPLICATION OR LETTER OF PERMISSION

APPLICANT	ADDRESS	TAX MAP #	COMMENTS
1. Cioffi, Frank	436 Austin Road	64.5-1-48	Add Staircase to Existing Upper Level Deck
2. Jimenez, Nicole	28 Silver Gate Road	86.12-1-1	Construct Single Family Home, Septic System & Driveway
3. Molfetta, Robert	218 East Lake Blvd	65.17-1-9	Install 900 sq. ft. Patio & 10' x 14' Drywell

MISCELLANEOUS

4. Minutes – 06/02/22

TOWN OF CARMEL
ENVIRONMENTAL CONSERVATION BOARD

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: 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 EXINSTING UPPER LEVEL DECK ON NORTH SIDE OF HOUSE.

Proposed Start Date: AUG 2022 **Anticipated Completion Date:** OCT 2022 **Fee Paid $**

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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 A. Cioffi
SIGNATURE

7-25-2022
DATE

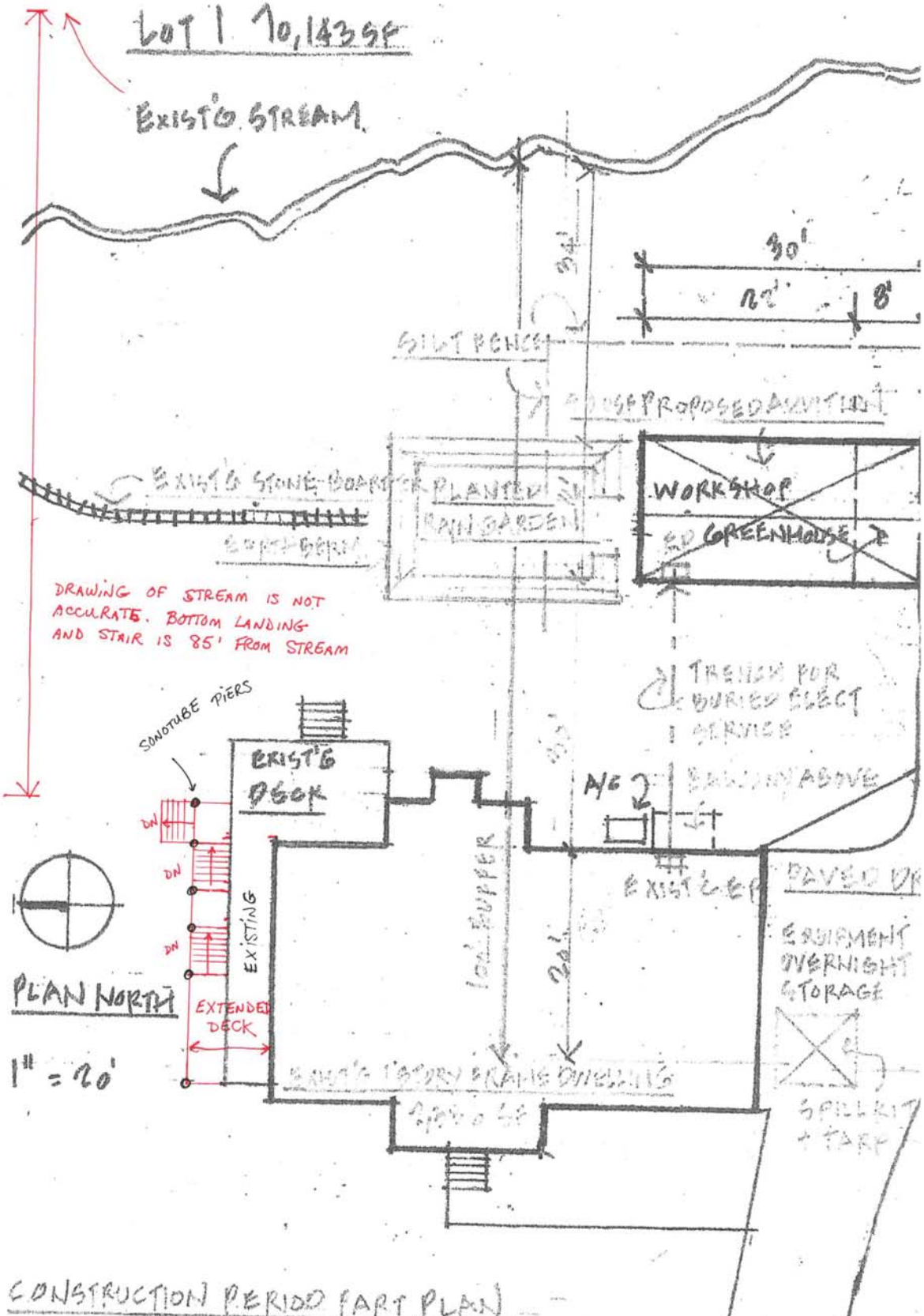
Deck Stairs specifications

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.



CONSTRUCTION PERIOD PART PLAN

TOWN OF CARMEL
ENVIRONMENTAL CONSERVATION BOARD

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: NICOLE JIMENEZ

Address of Applicant: 2 KENSINGTON RD BREWSTER, NY, 10509 **Email:** NIKKIKJIMENEZ@GMAIL.COM

Telephone# 845 803-2137 **Name and Address of Owner if different from Applicant:**

Same

Property Address: 28 SILVERGATE ROAD **Tax Map #** 86.12-1-1

Agency Submitting Application if Applicable: —

Location of Wetland: 28 SILVERGATE ROAD

Size of Work Section & Specific Location: < 1000 SF

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 A SINGLE FAMILY HOUSE, SEPTIC SYSTEM, DRIVEWAY AND CONNECTION TO THE TOWN OF CARMEL PUBLIC WATER SUPPLY

Proposed Start Date: 9/1/22 **Anticipated Completion Date:** 6/30/23 **Fee Paid $** 1000.—

****

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.

Nicole Jimenez
SIGNATURE

7/26/2022
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

Name of Action or Project:
Jimenez House Construction

Project Location (describe, and attach a location map):
28 Silvergate Road, Carmel, NY

Brief Description of Proposed Action:
Construction of a single family house, driveway, septic system and connection to the existing public water supply line in Silvergate Rod.

Name of Applicant or Sponsor:	Telephone: 845 803 2137
Nicole Jimenez	E-Mail: nikkikjimenez@gmail.com

Address:
2 Kensington Road

City/PO:	State:	Zip Code:
Brewster	NY	10509

	NO	YES
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.	☑	☐
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: Putnam County Health Department septic system and Town of Carmel ECB wetlands permit and Stormwater General Permit	☐	☑

3. a. Total acreage of the site of the proposed action? 3.4 acres
   b. Total acreage to be physically disturbed? 0.43 acres
   c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 3.4 acres

4. 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

	NO	YES	N/A
5. Is the proposed action,			
a. A permitted use under the zoning regulations?	☐	☑	☐
b. Consistent with the adopted comprehensive plan?	☐	☑	☐

	NO	YES
6. Is the proposed action consistent with the predominant character of the existing built or natural landscape?	☐	☑

	NO	YES
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
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
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
10. Will the proposed action connect to an existing public/private water supply?		
If No, describe method for providing potable water: _____	☐	☑

	NO	YES
11. Will the proposed action connect to existing wastewater utilities?		
If No, describe method for providing wastewater treatment: _____ septic system	☑	☐

	NO	YES
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
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: _____ A locally regulated wetland exists on this property. The proposed disturbance is within the 100 foot buffer but does not encroach into the actual wetland.		

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

	NO	YES
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? Northern Long-eared Bat	☐	☑
16. Is the project site located in the 100-year flood plan?	☑	☐
17. Will the proposed action create storm water discharge, either from point or non-point sources? If Yes,	☐	☑
a. Will storm water discharges flow to adjacent properties?	☑	☐
b. Will storm water discharges be directed to established conveyance systems (runoff and storm drains)? 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)? If Yes, explain the purpose and size of the impoundment: _____ _____	☑	☐
19. Has the site of the proposed action or an adjoining property been the location of an active or closed solid waste management facility? If Yes, describe: _____ _____	☑	☐
20.Has the site of the proposed action or an adjoining property been the subject of remediation (ongoing or completed) for hazardous waste? If Yes, describe: _____ _____	☑	☐

I CERTIFY THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE

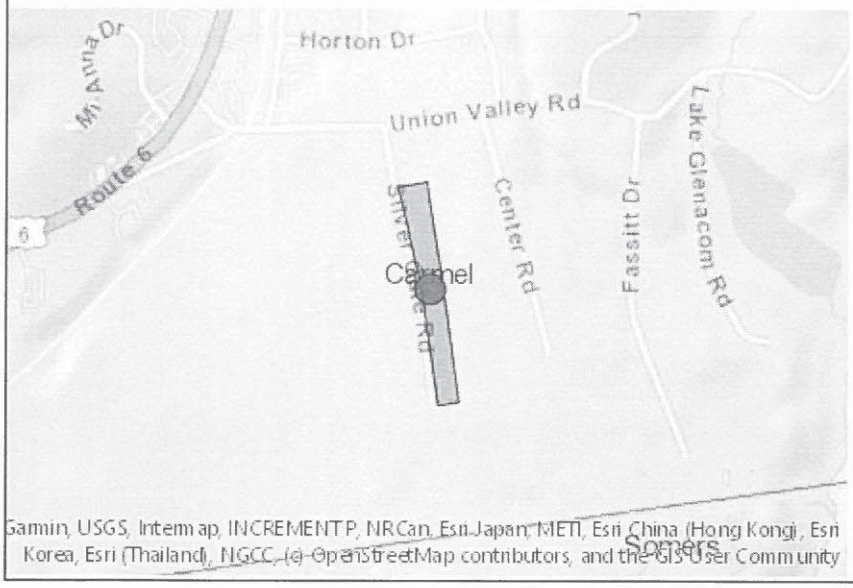
Applicant/sponsor/name: Nicole Jimenez Date: July 17, 2022

Signature: Nicole Jimenez Title: owner

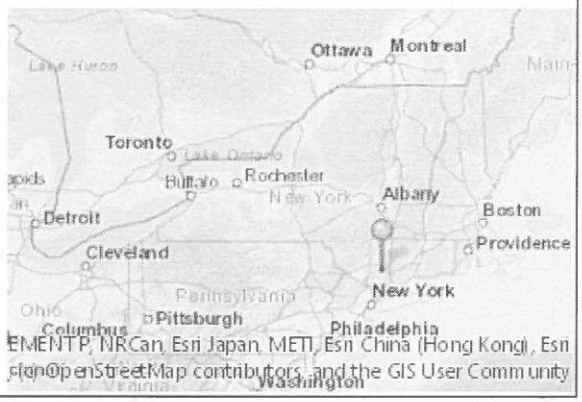
PRINT FORM

EAF Mapper Summary Report

Sunday, February 27, 2022 9:47 AM



Disclaimer: The EAF Mapper is a screening tool intended to assist project sponsors and reviewing agencies in preparing an environmental assessment form (EAF). Not all questions asked in the EAF are answered by the EAF Mapper. Additional information on any EAF question can be obtained by consulting the EAF Workbooks. Although the EAF Mapper provides the most up-to-date digital data available to DEC, you may also need to contact local or other data sources in order to obtain data not provided by the Mapper. Digital data is not a substitute for agency determinations.



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]	Northern Long-eared Bat
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

July 21, 2022

Robert Laga, Chairman & ECB
Town of Carmel ECB
Town Hall
Mahopac, NY, 10541

Re: **Wetlands Permit Application**
Nicole Jiminez (formerly Hansen)
Silvergate Road, Carmel (T), Mahopac
TM # 86.12-1-1

Gentlemen & Lades:

Attached herewith please find the following in the matter of the captioned application which has been revised for a new owner.

1. Application Form
2. Plan Sheets S-1 & S-2
3. Short EAF
4. SWPPP
5. Construction Sequence

It is noted that a wetlands permit was issued by the ECB on May 5, 2022 for the construction of a single family house. Septic system and stormwater practices. The new owner is Nicole Jimenez. . The proposed plans are exactly the same as that approved except that the house is slightly smaller but in the same place as approved.

Please place this project on the next available agenda of the ECB. I thank you in advance for your consideration.

Very truly yours,

John Karell, Jr., P.E.

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

NICOLE JIMENEZ
28 SILVERGATE ROAD
CARMEL (T)

February 27, 2022, revised March 20, 2022, revised July 17, 2022 new owner

STORMWATER POLLUTION PREVENTION PLAN
SEQUENCE OF CONSTRUCTION
NICOLE JIMENEZ
28 SILVERGATE ROAD
CARMEL(T)

The following are sequence and methods of construction for the construction of a house on property owned by Nicole Jimenez, 28 Silvergate 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 late summer 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 and orange construction fencing on the limit of disturbance line.
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 connection to the public water supply.
6. Topsoil, seed and mulch all disturbed areas in accordance with the stabilization notes.
7. 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

I. INTRODUCTION

1.1. Project background

The project site is vacant land located at 28 Silvergate Road in the Town of Carmel, Putnam County, New York. The property is identified as tax map #.86.12-1-1.

Site Description

The site is 3.4 acres in size. The proposed house construction will result in an increase in impervious area of 2,600 square feet and 0.43 acres (18,600 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 connection to the Town of Carmel public water supply 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 east side of the Silvergate Road in the Town of Carmel.

Generally the topography on the site flows from north to south.. The subject property is located in the NYC Watershed.

2.1 Surface Water

A locally regulated wetland is located 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 Ridgebury Complex, 3-8% (RgB) and Woodbridge Loam 3-8% (WdB) Hydrologic Soil Group B from the Web Soil Survey.

The pre developed site consists of woods in good condition, wetland and wetland buffer.

2.1.2. Site Geotechnical Evaluation

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

2.3. Groundwater

Groundwater is greater than 4-5 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 three rain gardens, one for the driveway and two for the house as mitigation for disturbance within the wetland 100 foot buffer. .

B. Stormwater conveyance for this project consists of piping from the house and driveway to the rain gardens. .

IV. Stormwater Management

Treatment of stormwater is not required by DEC but will be provided as wetland mitigation.

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 and rain gardens with rip rap overflows for driveway and roof drainage.

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:

Nicole Jimenez
2 Kensington Road
Brewster, NY, 10509

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

Invasive species will be removed and plantings replaced as necessary.

3. Yard Drain

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.

NOTES -HANSEN, SILVER GATE ROAD, CARMEL

1. OWNER: John Hansen, 225 Ice Pond Road, Patterson, NY, 12563
2. SITE ADDRESS: 28 Silver Gate Road, Carmel (T); TM # 86.12-1-1
3. WATERSHED: New York City, Muscoot Reservoir
4. All pipes connecting to all tankage and boxes shall be cut flush with the inside wall of the tank or box.
5. Prior to any excavation all underground utilities must be located. Call 1-800-962-7962.
6. Slope primary and expansion area: 8 %.
7. Construction Start Date: March 1, 2022 Finish Date: 12/31/2022
8. Wetlands flagged by Ted Kozlowski July 2019.
9. Soil percolation rate: 21-30 minutes per inch
10. Design based upon 3 bedrooms, 450 gpd
11. Proposed Septic Tank Size: 1000 gallons
12. Proposed absorption trenches 375 linear feet. Primary and expansion areas
13. Fill -2 feet, cubic yards, Curtain Drain - none
14. Soils - Ridgebury complex, 3-8% (RgB); Woodbridge loam 3-8% (WdB)
15. Area of disturbance - 0.49 acres
16. Map datum - NAVD 88 (North American Vertical Datum 1988)
17. Property size 3.388 acres
18. Topographic survey by Baxter November 19, 2017, updated February 1, 2017 wetland flags
19. No existing or proposed wells within 100 feet of the proposed SSTS area, 200 feet if in Direct line of drainage.

SOIL TESTING
DEEP HOLES
D1 16" topsoil, 16'-7' light grey orange clay loam, groundwater & mottling 4 feet, no rock to 7 ft
D2 16" topsoil, 16'-7' light brown loam, groundwater at 6..5 feet, mottling 5 ft, no rock to 7 ft
D3 12 " topsoil, 12'-5' medium brown loam, 5-7 ft light grey brown clay loam, groundwater 7 ft no rock to 7'
D4 8" topsoil, 8'-5' medium brown loam, 5-7 ft light grey brown clay loam, no rock to 7', groundwater at 7 ft
NO D5
D6 16" topsoil, 16'-7' medium brown compacted loam, groundwater at 5 ft, no rock to 7 ft
D7 16" topsoil, 16'-7' light grey brown clay loam, groundwater at 4 ft, no rock to 7 ft
D8 16 " topsoil, 16' - 4 ft medium brown loam, 4-7 ft light grey brown clay loam, groundwater at 5 ft, no rock to 7 ft
D9 16" topsoil, 16 '-7' medium brown compacted loam, groundwater at 4 ft, no rock to 7 feet
D10 16" topsoil, 16'-7' feet medium brown compacted loam, groundwater at 5 ft, no rock to 7 ft.

DEEPS INSPECTED
October 5, 2021 with Dylan Hoeltger

SOIL PERCOLATION TEST HOLES (minutes per Inch)
P1 9.3 P3 30
P2 30 P4 20
PRESOAK 11/16/2021
PERC 11/17/2021

SEPTIC SYSTEM DESIGN
3 bedrooms, 150 GPD/BED ROOM, DAILY FLOW 450 GALLONS
Perc Rate 21-30 minutes per Inch, Application Rate 0.6 GPD/SF
REQUIRED AREA: 450 DIVIDED BY 0.6 = 750 SQUARE FEET
REQUIRED TRENCH LENGTH: REQUIRED AREA (750) DIVIDED BY TRENCH WIDTH (2 FT) = 375 LINEAL FEET

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.

2. 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. IF THE SEASON PREVENTS THE ESTABLISHMENT OF TEMPORARY COVER, THE DISTURBED AREAS SHALL BE MULCHED WITH STRAW OR EQUIVALENT MATERIAL. THE SEEDING SHALL BE DONE IN ACCORDANCE WITH THE NEW YORK STATE SANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, 2016 AS FOLLOWS:

Species (% by weight)	lbs/1,000 sq ft	lbs/acre
65% Kentucky bluegrass blend	2.0-2.6	85-114
20% perennial ryegrass	0.6-0.8	26-35
14% fine fescue	0.4-0.6	19-26
Total	3.0-4.0	130-175
Or 100% tall fescue, turf-type fine leaf	3.4-4.6	150-200

B) MULCH: OLD HAY OR SMALL GRAIN STRAW APPLIED AT A RATE OF NINETY (90) POUNDS PER ONE THOUSAND SQUARE FT. OR TWO TONS PER ACRE. TO BE APPLIED AND ANCHORED ACCORDING TO THE NEW YORK GUIDELINES. WOOD FIBER HYDROMULEN OR OTHER SPRAYABLE PRODUCTS APPROVED FOR EROSION CONTROL (NYLON WEB OR MESH) MAY BE USED IN ACCORDANCE WITH 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.

3. ANY GRADED AREAS NOT SUBJECT TO FURTHER DISTURBANCE OR CONSTRUCTION TRAFFIC SHALL, WITHIN SEVEN (7) DAYS AFTER FINAL GRADING, RECEIVE PERMANENT VEGETATIVE COVER IN COMBINATION WITH A SUITABLE MULCH AS FOLLOWS:

A) STEEP SLOPES OR EROSION SLOPES GREATER THAN 2:1 (H:V) SHALL BE PROVIDED WITH EROSION CONTROL MATTING AS SHOWN IN THE DETAIL SHEET.

4. SLOPES STEEPER THAN ONE ON THREE SHALL BE STABILIZED IMMEDIATELY AFTER GRADING

5. PAVED ROADWAYS SHALL BE KEPT CLEAR AT ALL TIMES.

6. 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.

7. 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.

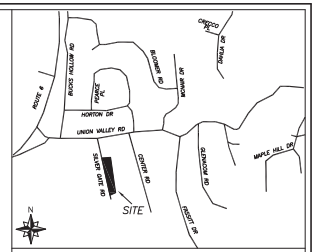
9. SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AND MAINTAINED BY THE CONTRACTOR ON A DAILY BASIS TO ENSURE THAT TEMPORARY AND PERMANENT DITCHES, PIPES AND STRUCTURES ARE CLEAR OF DEBRIS, THAT EMBANKMENTS AND BERMS ARE NOT BREACHED, AND THAT ALL BARRIERS ARE INTACT,

10. MANDATORY STORMWATER INSPECTIONS SHALL BE PERFORMED WEEKLY AND WITHIN 24 HOURS OF ANY PRECIPITATION EVENT PRODUCING MORE THAN 1/2" OF PRECIPITATION OVER AND 24 HOUR PERIOD. INSPECTIONS ARE PERFORMED BY A LICENSED CERTIFIED PROFESSIONAL.

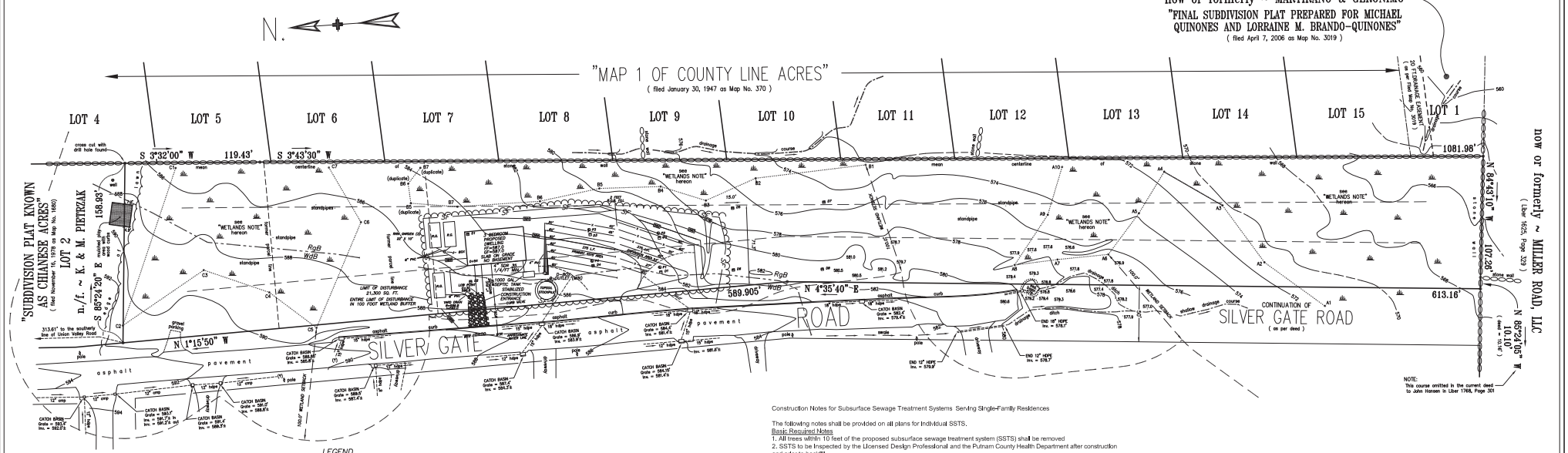
11. ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE MAINTAINED ON THE SITE UNTIL FINAL STABILIZATION OF THE SITE IS ACHIEVED. FINAL STABILIZATION IS DEFINED AS 80% DENSITY OF VEGETATION. UPON CERTIFICATION OF FINAL ACCEPTANCE, THE OWNER WILL ASSUME RESPONSIBILITY FOR THE CONTINUED MAINTENANCE OR PERMANENT SOIL 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.

13. THE PROPERTY OWNER IS ULTIMATELY RESPONSIBLE FOR IMPLEMENTATION OF ALL EROSION AND SEDIMENT CONTROL MEASURES, HOWEVER ON A DAY TO DAY BASIS THE CONTRACTOR SHALL BE REPONSIBLE FOR MAINTAINING THE EROSION AND SEDIMENT CONTROL MEASURES.



VICINITY MAP SCALE: 1" = 1000' +\-



LEGEND

- LIMIT OF DISTURBANCE
- SF — SILT FENCE
- 594 — PROPOSED ELEVATION
- 590 — CONTOUR (MAJOR)
- 594 — CONTOUR (MINOR)
- SEPTIC – PRIMARY
- X — SEPTIC – EXPANSION
- SOIL BOUNDARY
- P1 — PERC. TEST
- D1 — TEST PIT

SOIL LEGEND

RgB Ridgebury complex, 0 to 8 percent slopes, very stony

WdB Woodbridge loam, 3 to 8 percent slopes

Town of Carmel ECB Notes and requirements

Silt fence shall be provided with wire backing.

Construction equipment shall not be fueled within the wetland buffer.

A Brute 32 gallon spill kit K-32-0 shall be provided on site to consist of the following:

- 50 pads, heavy weight
- 8 socks, 3" x 48"
- 2 bags ultrasorb, granular 5# ea.
- 4 temporary disposal bags, 4 mil
- 4 plastic slp tie, 12"
- 2 pair nitrile gloves
- 2 pair safety goggles
- 1 Instruction sheet

No equipment shall be stored within the wetland buffer unless 6 mil polyethylene sheet is provided under the equipment.

No equipment is to enter delineated wetland area.

Wetlands were flagged by Ted Kozlowski, July 2019.

Construction Notes for Subsurface Sewage Treatment Systems Serving Single-Family Residences

The following notes shall be provided on all plans for Individual SSTS.

Basic Required Notes

1. All trees within 10 feet of the proposed subsurface sewage treatment system (SSTS) shall be removed
2. SSTS to be Inspected by the Licensed Design Professional and the Putnam County Health Department after construction and prior to backfill
3. 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.
4. All erosion control measures shall be installed prior to the start of any construction and must be maintained until construction is complete and stabilization has occurred.
5. Construction of SSTS to be in accordance with these plans, any revision thereto, and the rules and regulations of the permit
6. The SSTS design shown hereon does not provide for Installation of a garbage grinder. Such Installation requires additional design and the approval of the Putnam County Department of Health
7. Putnam County Health Department approval is based on the location of the SSTS, building, setbacks, and driveways as shown on the approved drawing. Modifications are to have prior Putnam County Health Department approval. Unauthorized modifications made to this drawing after the date of Putnam County Health Department approval voids said approval.
8. All stonewalls in and within 10 feet of the SSTS area shall be removed to their entire depth and the resulting void replaced with similar on site soil.
9. Cut or fill is not permitted in the SSTS area, except if so specified on this plan.
10. After backfilling the system, the SSTS area shall be covered with a minimum of 6 inches of top soil, seeded and mulched.
11. Occupancy of this structure will not be permitted until the Construction Compliance Application has been received and approved by the Putnam County Health Department and forwarded to the Building Inspector of the respective municipality as part of the Certificate of Occupancy application.
12. This plan is approved for sewage treatment and/or water supply only, and all other required permits and/or approvals are the responsibility of the permitee.
13. The Putnam County Health Department approval expires two (2) years from the date on the approval stamp and is required to be renewed on or before the expiration date. The approval is revocable for cause or may be amended or modified when considered necessary by the Department
14. A copy of the house plans submitted to the building Inspector of the local municipality, when filing for a building permit, must be submitted to the Putnam County Health Department to verify bedroom count.
15. The house and SSTS shall be survey located and staked by a NYS Licensed Land Surveyor prior to construction.
16. For all SSTS's which are subject to Joint Review and approval with NYCDEP the Design Professional is to notify PCHD and NYCDEP at least 24 hours prior to the commencement of the SSTS construction.
17. Datum based on NAVD 88.
18. Property outside FEMA 100 year wetland.

THERE ARE NO WELLS AND OR SEPTIC SYSTEMS WITHIN 200 FEET OF PROPOSED WELL AND SEPTIC SYSTEM.

THERE ARE NO WATERCOURSES, PONDS, LAKES, WETLANDS WITHIN 200 FEET OF THE PROPERTY LINE UNLESS SHOWN HEREON.

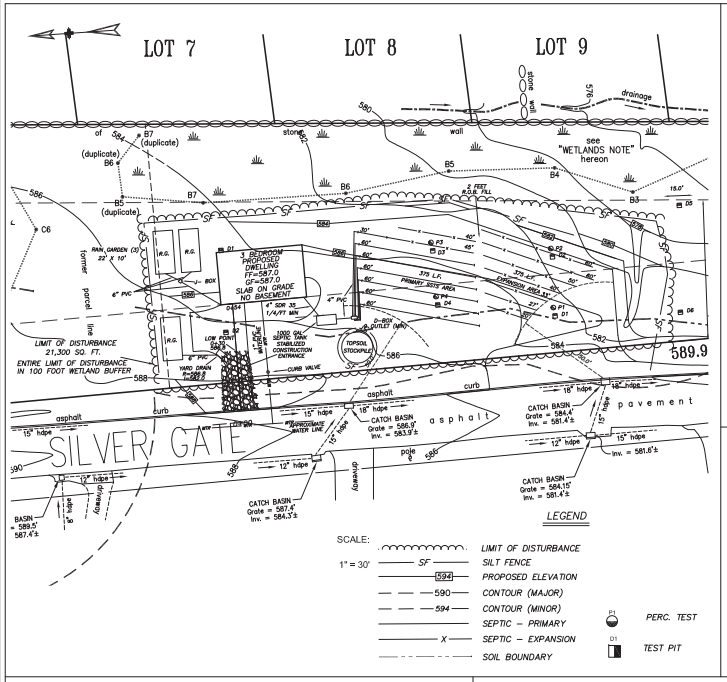
SURVEY PREPARED BY ROBERT BAXTER, L.S. DATED NOVEMBER 19, 2017. DATUM IS ASSUMED. WETLANDS LOCATED FEBRUARY 1, 2017.

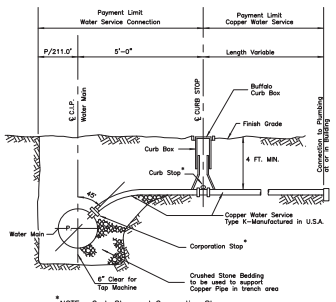
ALTERATION OF THIS DRAWING EXCEPT BY A LICENSED P.E. OR ARCHITECT OR LICENSED LAND SURVEYOR IS ILLEGAL. ANY ALTERATION BY A P.E. OR ARCHITECT OR SURVEYOR MUST BE INDICATED AND BEAR HIS SEAL SIGNATURE AND DATE OF ALTERATION.

No.	DATE	
7	MARCH 22, 2022	COMMENTS FROM ECB
6	MARCH 17, 2022	COMMENTS FROM HEALTH DEPARTMENT
5	MARCH 1, 2022	revisions
4	December 13, 2021	revisions
3	October 13, 2021	Comments
2	July 9, 2021	Comments from Carmel ECB
1	May 19, 2020	Comments from Carmel ECB

JOHN KARELL, JR. P.E.
121 CUSHMAN ROAD
PATTERSON, NEW YORK 12563
845-878-7894 phone
845-878-4509 fax
jwk4911@yahoo.com

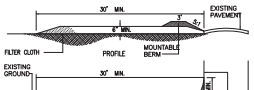
OWNER: JOHN HANSEN, 28 SILVER GATE ROAD, CARMEL (T)	SCALE: 1" = 40'	LATEST REVISION:
	DATED: MAY 15, 2020	SHEET No. S-1
OVERALL SITE PLAN	TAX MAP: 86.12-1-1	





*NOTE: Curb Stop and Corporation Stop to be Mueller or equal.

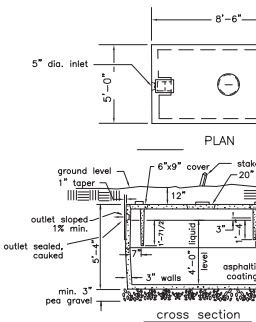
WATER CONNECTION
N.T.S.



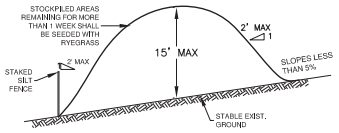
CONSTRUCTION SPECIFICATIONS:

1. STONE SIZE – USE 2" STONE OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH – NOT LESS THAN 30 FEET.
3. THICKNESS – NOT LESS THAN SIX (6) INCHES.
4. WIDTH – TWELVE (12) FEET MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS AND EGRESS OCCUR.
5. FILTER CLOTH – WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. "MIRAFI" 700X, OR APPROVED EQUAL.
6. SURFACE WATER – ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE – THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS–OF–WAY. ALL SEDIMENT SPILLED, DROPPED WASHED OR TRACED ONTO PUBLIC RIGHTS– OF–WAY MUST BE REMOVED IMMEDIATELY.
8. WASHING – WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

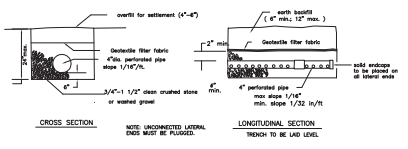
STABILIZED CONSTRUCTION ENTRANCE
N.T.S.



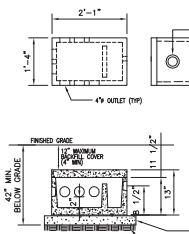
1000 GALLON
SEPTIC TANK DETAIL
N.T.S.



TYPICAL SOIL STOCKPILE DETAIL
N. T. S.

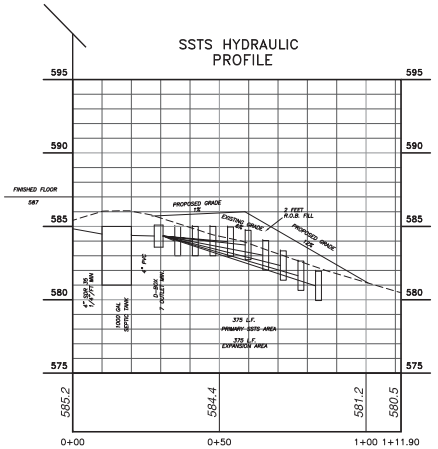


TYPICAL ABSORPTION TRENCH DETAIL
N.T.S. PIPE TO BE: HDPE SDR 38 ASTM 5810

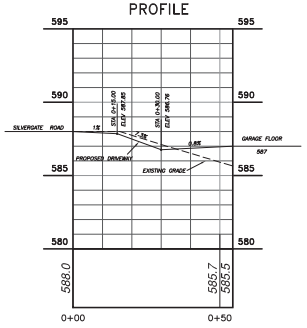


NOTE:
1. 12" MAXIMUM BACKFILL.
2. ANY UNUSED OUTLETS TO REMAIN PLUGGED.
3. INSTALL SPEED LEVELLERS TO INSURE EQUAL DISTRIBUTION TO ALL OUTLET PIPES.
4. TOP, BOTTOM AND SIDES ALL 1 1/2" THICK.
5. #2 DISTRIBUTION BOX AS MFR BY FORT MILLER CO., INC.

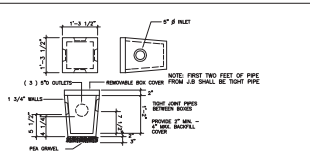
DISTRIBUTION BOX
NTS



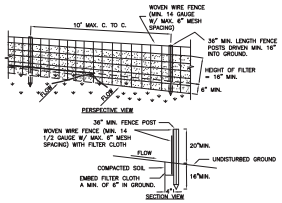
PROFILE SCALE:
HORIZ: 1"=20'
VERT: 1"=4'



PROFILE SCALE:
HORIZ: 1"=20'
VERT: 1"=4'



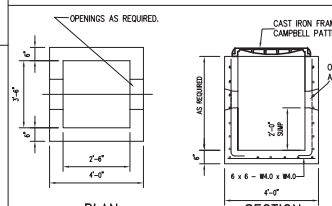
JUNCTION BOX DETAIL
N.T.S.



CONSTRUCTION SPECIFICATIONS

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "L" TYPE OR HARDWOOD.
2. FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 6" MAXIMUM MESH OPENING.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER–LAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
4. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

SILT FENCE



YARD DRAIN
SCALE N.T.S.

Town of Carmel ECB Notes and requirements

Silt fence shall be provided with wire backing.
Construction equipment shall not be fueled within the wetland buffer.
A Brute 32 gallon spill kit K-32-O shall be provided on site to consist of the following:
50 pads, heavy weight
8 socks, 3" x 48"
2 bags ultrasorb: granular 5# ea.
4 temporary disposal bags, 4 mil
4 plastic zip tie, 12"
2 pair nitrile gloves
2 pair safety goggles
1 instruction sheet
No equipment shall be stored within the wetland buffer unless 6 mil polyethylene sheet is provided under the equipment.
No equipment is to enter delineated wetland area.
Wetlands were flagged by Ted Kotzbeiss& July 2019.

DRAINAGE STUDY

DESIGN PARAMETERS
Proposed Impervious area house roof = 1,560 square feet, use 1,600
Proposed Impervious area driveway = 800 feet
Design Storm = 3.1 Inches
Soils: Hydrologic Group B

WATER QUALITY VOLUME
WQV = (P)(RV)(A)/12
House
P=3.1 RV= 0.95 A=1,600 SF
WQV = 3.1(0.95)(1,600)/12 = 392 cf
Driveway
P=3.1 RV= 0.95 A=800 SF
WQV = 3.1(0.95)(800)/12 = 196 cf
Pretreatment Volume = 25% (WQV) = .25 (196) = 98 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 three (3) rain gardens. The design of the rain gardens are as follows:

Impervious area house= 1,560 use 1,600 sf. Use 2 rain gardens each designed at 800 sf
Impervious area driveway = 800 sf Use One rain garden.

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"

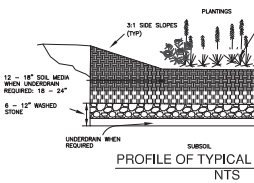
Design storm: 3.1" of rainfall
Proposed Rain Garden Area: 220 square feet
RV = 0.95

WQV = (Rainfall in inches)(0.05 + (0.009)(% Impervious))(treatment area)/12
WQV = (3.1)(0.95)(800)/12
WQV = 196 cf

Soil Volume = (220 sq ft)(1 ft)(0.20) = 44 cf
Drainage Layer Volume = (220 sq ft)(0.5 ft)(0.40) = 44 cf
Ponding volume = (220 sq ft)(.5 ft) = 110 cf

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

Three (3) rain gardens at 22 x 10 ft (200 sf) 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. Two raingage gardens of similar size will be provided to treat the roof drainage. The flow from the roof will discharge to distribution box which will be split in two, half to each rain garden. All underground piping will be 6" pvc.



PROFILE OF TYPICAL RAIN GARDEN
NTS

SURVEY PREPARED BY ROBERT BAXTER, L.S. DATED NOVEMBER 19, 2017. DATUM IS ASSUMED. WETLANDS LOCATED FEBRUARY 1, 2017.

ALTERATION OF THIS DRAWING EXCEPT BY A LICENSED P.E. OR ARCHITECT OR LICENSED LAND SURVEYOR IS ILLEGAL. ANY ALTERATION BY A P.E. OR ARCHITECT OR SURVEYOR MUST BE INDICATED AND BEAR HIS SEAL SIGNATURE AND DATE OF ALTERATION.

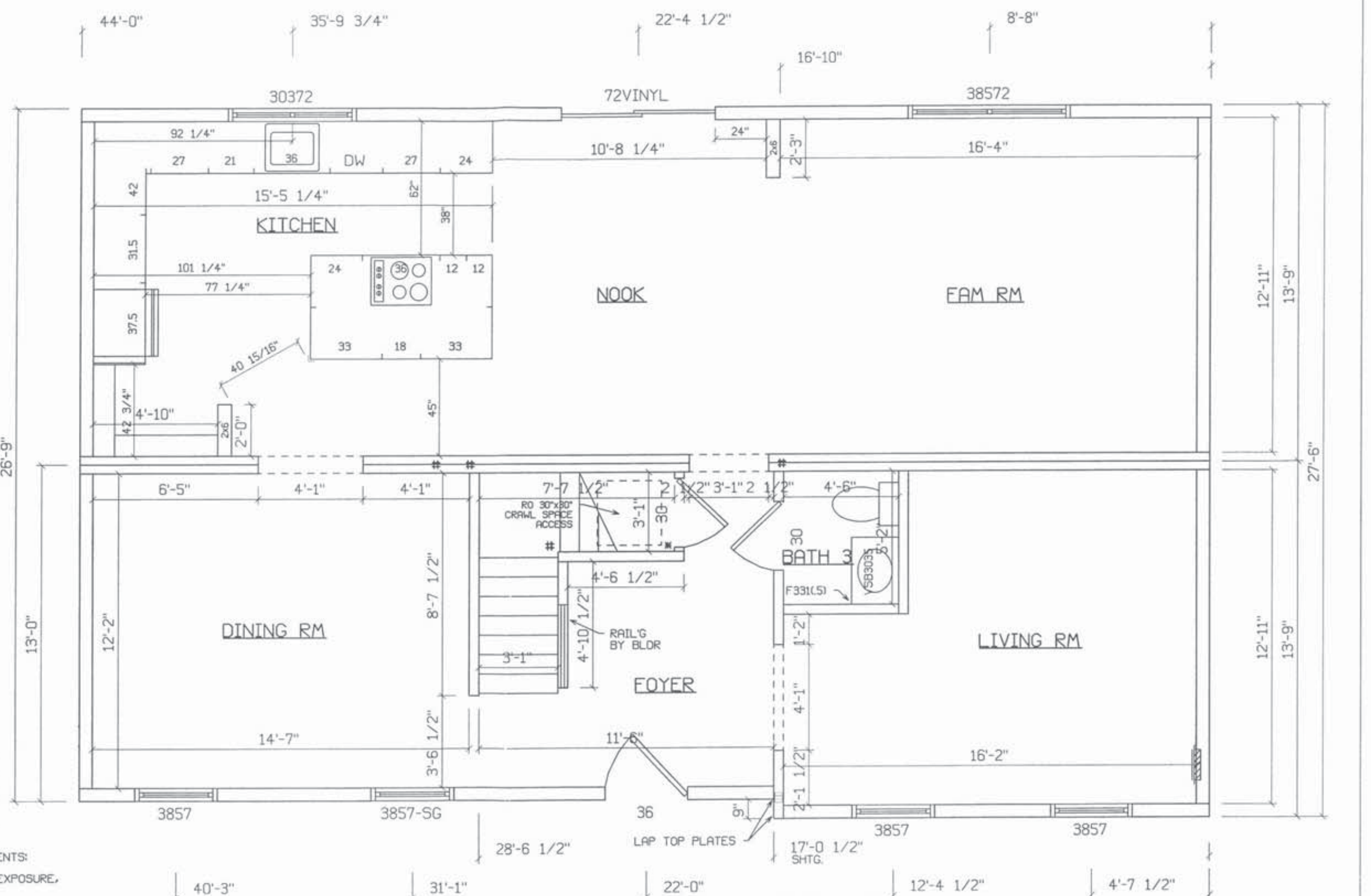
No.	DATE	
7	MARCH 21, 2022	COMMENTS FROM ECB
6	MARCH 17, 2022	COMMENTS FROM HEALTH DEPARTMENT
5	MARCH 1, 2022	revisions
4	December 13, 2021	revisions
3	October 13, 2021	Comments
2	July 9, 2021	Comments from Carmel ECB
1	May 19, 2020	Comments from Carmel ECB

JOHN KARELL, JR. P.E.
121 CUSHMAN ROAD
PATTERSON, NEW YORK 12563
845-878-7894 phone
845-878-4509 fax
jek4911@yahoo.com

OWNER:
NICOLE JIMENEZ
28 SILVER GATE ROAD
CARMEL (T)

HOUSE & SSTS AREA, DETAILS & PROFILES

SCALE: 1" = 30'
DATED: MAY 15, 2020
TAX MAP: 86.12-1-1
LATEST REVISION:
SHEET No. S-2



PLUMBING FIXTURE FLOW RATES
PER 2020 RCNYS: (MAXIUMS)
LAV FAUCET: 1.5 gpm @ 60 psi
SHOWER HEAD: 2.0 gpm @ 80 psi
(INCLUDING A HANDHELD SWHR SPRAY)
WATER CLOSET: 1.28 gal PER FLUSH CYCLE
SINK FAUCET: 2.2 gpm @ 60 psi

DOOR & WINDOW DESIGN PRESURE REQUIREMENTS:
ALL DOORS & WINDOWS SHALL HAVE THE
FOLLOWING DESIGN PRESURE BASED ON "C" EXPOSURE,
20'-0" MEAN ROOF HEIGHT & 115 mph Vult.
~~XX - INTERIOR ZONES~~
~~XX - CORNER ZONES~~

FINISHED FLOOR <6' ABOVE GRADE
AROUND ENTIRE PERIMETER
FLOOD ZONE - NO
FOUNDATION TYPE - CRAWL SPACE
STORIES ABOVE GRADE - 2
SPRINKLER REQUIRED - NO

NOTE: FINAL HOME & FOUNDATION DESIGN SUBJECT TO WIND ANALYSIS AND RESCHECK

NY GSL DATA:
GSL BASE(301.2(5))/ELEV= 30/<1000
GSL REQ'D/DESIGN= 30/35

LOT LINE FIRE SEPARATION: - NOT REQUIRED
WALLS/PROJECTIONS >5' FROM LOT LINE

NOTE: WINDOWS SHALL COMPLY WITH '12, '15, '18 IRC R312 ('09 612.2, '06 613.2). SEE SYSTEM SHT 3a, WINDOW NOTE 4. WINDOW SILLS ARE LOCATED 24"(MIN) AFF.

NY NOTE:
APPLICABLE BUILDING CODES:
2020 RCNYS; 2020 IECCNYS; 2017 NEC
THE PLANS AND SPECIFICATIONS OF THE PERMIT SET ARE DERIVED FROM AND CONSISTENT WITH THE PLANS AND SPECIFICATIONS ASSOCIATED WITH THE APPROVAL ON FILE WITH THE DEPT OF STATE, WHICH WERE APPROVED ON 4/7/2022 UNDER SYSTEM #M1387-2022-008.

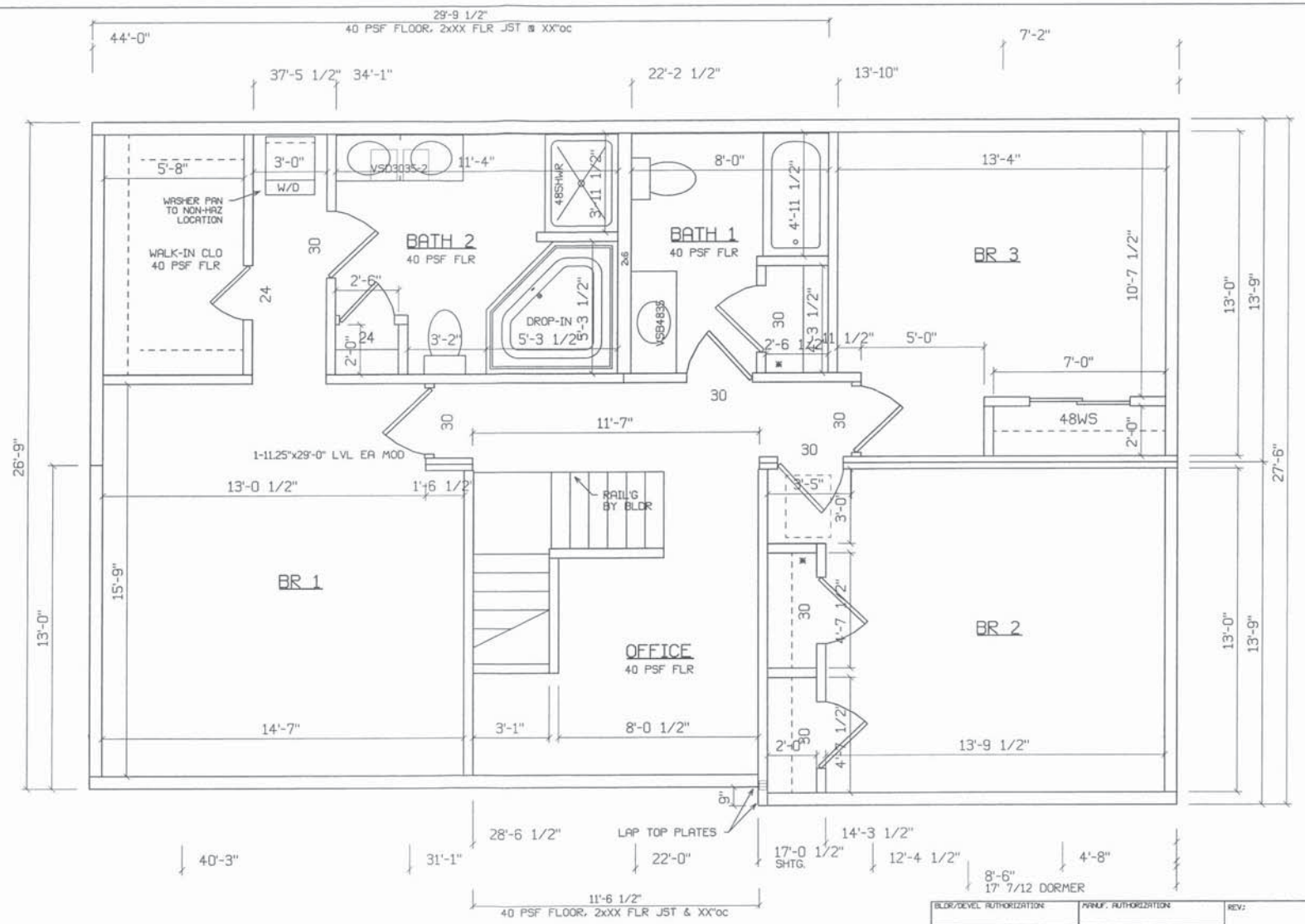
**WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

SIDEWALL= 2x6 16"oc
MARR WALL= 2x4 16"oc
FLOOR JST= 2x10 16"oc
CLG. HGT.= 8'-0"
ADDTL BSMT COL - #
LABEL - *

WINDOWS= SEVEN-D
CLG= R-38, WALL= R-21
FLR= R-30 (BY BLDR)
(SEE RESCHECK)
STAIR OPENG(S) BASED
ON 8.25"/9.00" GEOMETRY

DESIGN SNOW ZONE= 35 GSL
ROOF= 5/12 24"oc (60#)
DESIGN WIND ZONE= 115 Vult
DEST.= 28 SILVER GATE RD
MAHOPAC, NY 10541
WESTCHESTER CO.

BLDR/DEVEL AUTHORIZATION:	MANUF. AUTHORIZATION:	REV:
PREMIER BUILDERS A SALES DIV. OF MUNCY HOMES, INC. 1567 Pa Rt442E, Muncy, Pa 17756 • (570)546-8916 www.premier-builders.com	PLANS HAVE BEEN EXTRACTED FROM APPROVED BUILDING SYSTEM DOCUMENTATION PROD. ENGR. Edward L. Maluno Jr. EDWARD L. MILUNIC JR.	
DAVID DODGE / JIMENEZ		SERIES: MAINSTREET
1 STY FLOOR PLAN		PLAN NO: CUSTOM
DWN. BY: DRM	DATE: 07-14-22 / SCALE: 1/4"=1'-0"	JOB#_SER.#: 33413_000



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CLG. HGT.= 8'-0"
LABEL - *

BLDR/DEVEL AUTHORIZATION | MANUF. AUTHORIZATION | REV:

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A SALES DIV. OF NUNCY HOMES, INC.
1567 Pa Rt442E, Muncy, Pa 17756 * 5705468915
www.premier-builders.com

PLANS HAVE BEEN EXTRACTED FROM APPROVED BUILDING SYSTEM DOCUMENTATION
PROD. ENGR.
Edward L. Mellone Jr.
EDWARD L. MELLONE, JR.

DAVID DODGE / JIMENEZ
2 STY FLOOR PLAN

SERIES: MAINSTREET
PLAN NO.: CUSTOM
JOB#_SER.#: 33413_000

DWN. BY:	DATE:	SCALE:
DRM	07-14-22	1/4"=1'-0"

TOWN OF CARMEL
ENVIRONMENTAL CONSERVATION BOARD

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: Robert Molfetta

Address of Applicant: 5 Bucyrus Ave Carmel **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. 900 sq. Ft
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 10' x 14' drywell to accommodate a 900 sf patio. The drywell will have 24" of gravel.

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

8/2/2022
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 a new patio that is roughly 900 square feet and install a 10' x 14' dry well to accommodate water dispersement.

Name of Applicant or Sponsor:	Telephone: 914 420 5773
Robert and Deborah Molfetta	E-Mail: molfettar@gmail.com

Address:

5 Bucyrus Ave

City/PO:	State:	Zip Code:
Carmel	NY	10512

	NO	YES
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.	☐	☑
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:	☑	☐

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. ☐ **Urban** ☐ Rural (non-agriculture) ☐ **Industrial** ☐ **Commercial** ☑ **Residential (suburban)**
   ☐ **Forest** ☐ **Agriculture** ☐ **Aquatic** ☐ **Other(Specify):**
   ☐ **Parkland**

	NO	YES	N/A
5. Is the proposed action,			
a. A permitted use under the zoning regulations?	☐	☑	☐
b. Consistent with the adopted comprehensive plan?	☐	☑	☐

	NO	YES
6. Is the proposed action consistent with the predominant character of the existing built or natural landscape?	☐	☑

	NO	YES
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
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
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
10. Will the proposed action connect to an existing public/private water supply?		
If No, describe method for providing potable **water**: _____ _____	☑	☐

	NO	YES
11. Will the proposed action connect to existing wastewater utilities?		
If No, describe method for providing wastewater treatment: _____ _____	☑	☐

	NO	YES
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
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: _____ _____ _____		

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

	NO	YES
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? Northern Long-eared Bat	☐	☑
16. Is the project site located in the **100-year** flood plan?	☐	☑
17. Will the proposed action create storm water discharge, either from point or non-point sources?	☑	☐
If Yes,		
a. Will storm water discharges flow to adjacent properties?	☐	☐
b. Will storm water discharges be directed to established conveyance systems (runoff and storm drains)?	☐	☐
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)?	☑	☐
If Yes, explain **the** purpose and size **of the impoundment:**		
19. Has the site of the proposed action or an adjoining property been the location of an active or closed solid waste management facility?	☑	☐
If Yes, describe:		
20. Has the site of the proposed action or an adjoining property been **the** subject of remediation (ongoing **or** completed) for hazardous waste?	☐	☑
If Yes, describe:		

I CERTIFY THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE

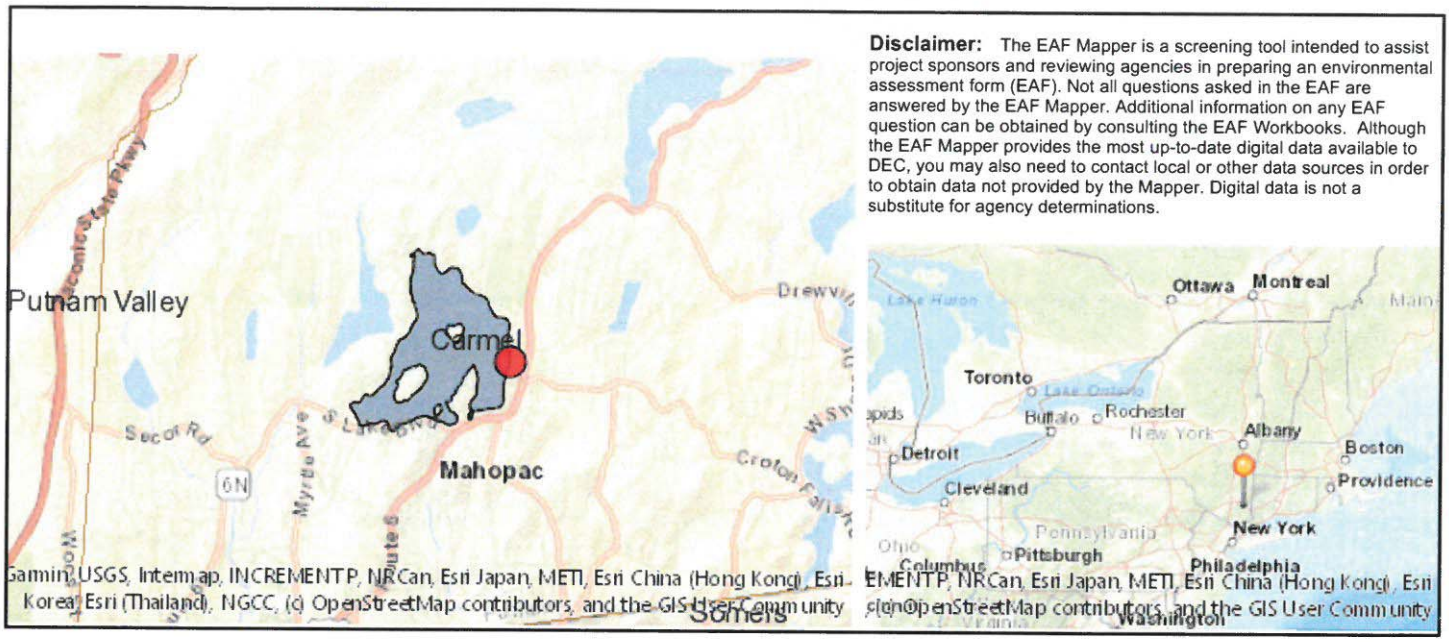
Applicant/sponsor/name: Robert Molfetta Date: 8/2/2022

Signature: Robert Molfetta **Title:**

PRINT FORM

EAF Mapper Summary Report

Wednesday, July 20, 2022 2:58 PM



Disclaimer: The EAF Mapper is a screening tool intended to assist project sponsors and reviewing agencies in preparing an environmental assessment form (EAF). Not all questions asked in the EAF are answered by the EAF Mapper. Additional information on any EAF question can be obtained by consulting the EAF Workbooks. Although the EAF Mapper provides the most up-to-date digital data available to DEC, you may also need to contact local or other data sources in order to obtain data not provided by the Mapper. Digital data is not a substitute for agency determinations.

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

Molfetta

218 East Lake Blvd.

Dry Well Calculations

900 sf of Patio Surface

1" Rainfall

24" Drainage Depth

$$WQ_v = \frac{1" \times .95 \times 900}{24} = 35.62$$

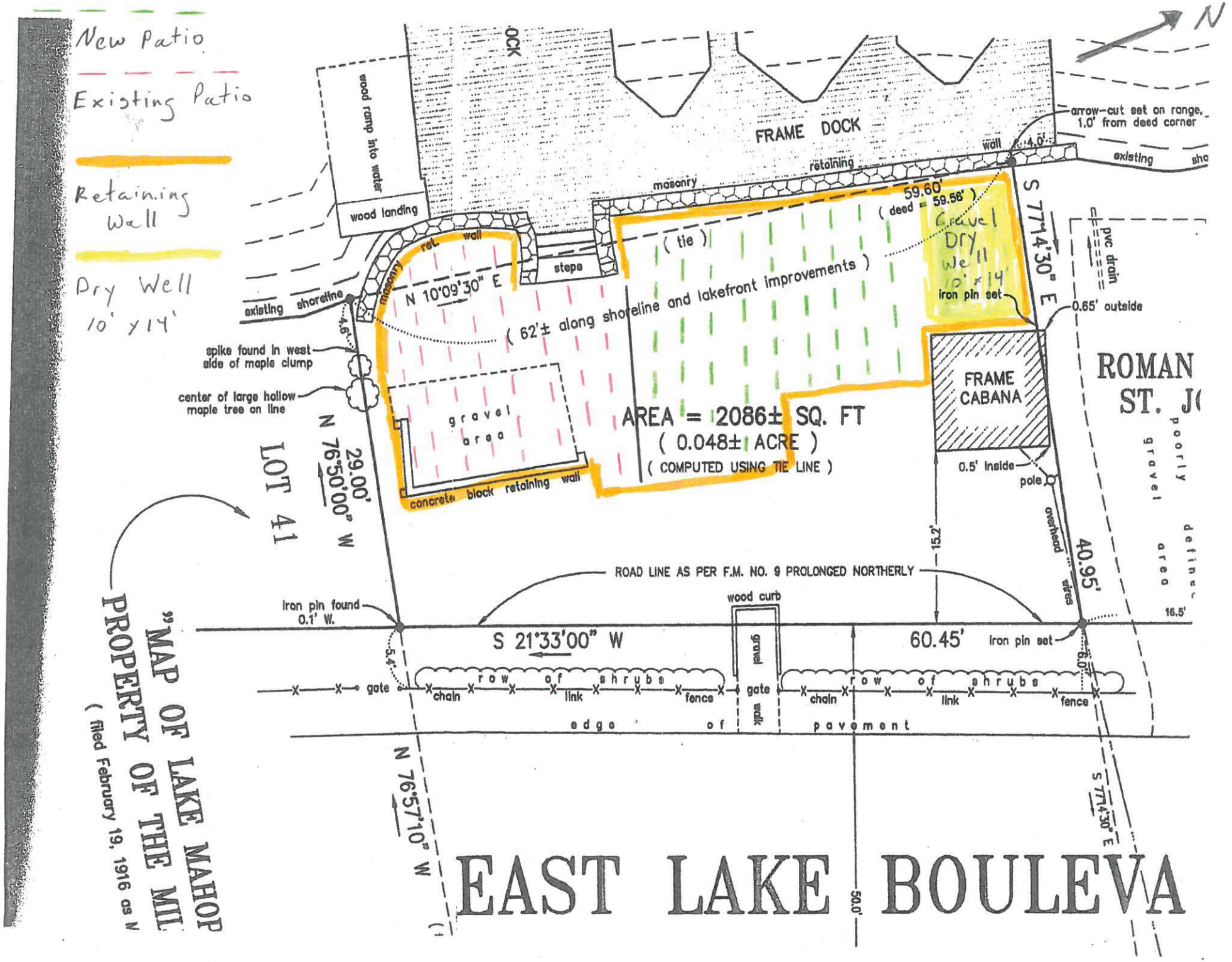
$$V_{DL} = A_{RG} \times D_{DL} \times P_{DL}$$

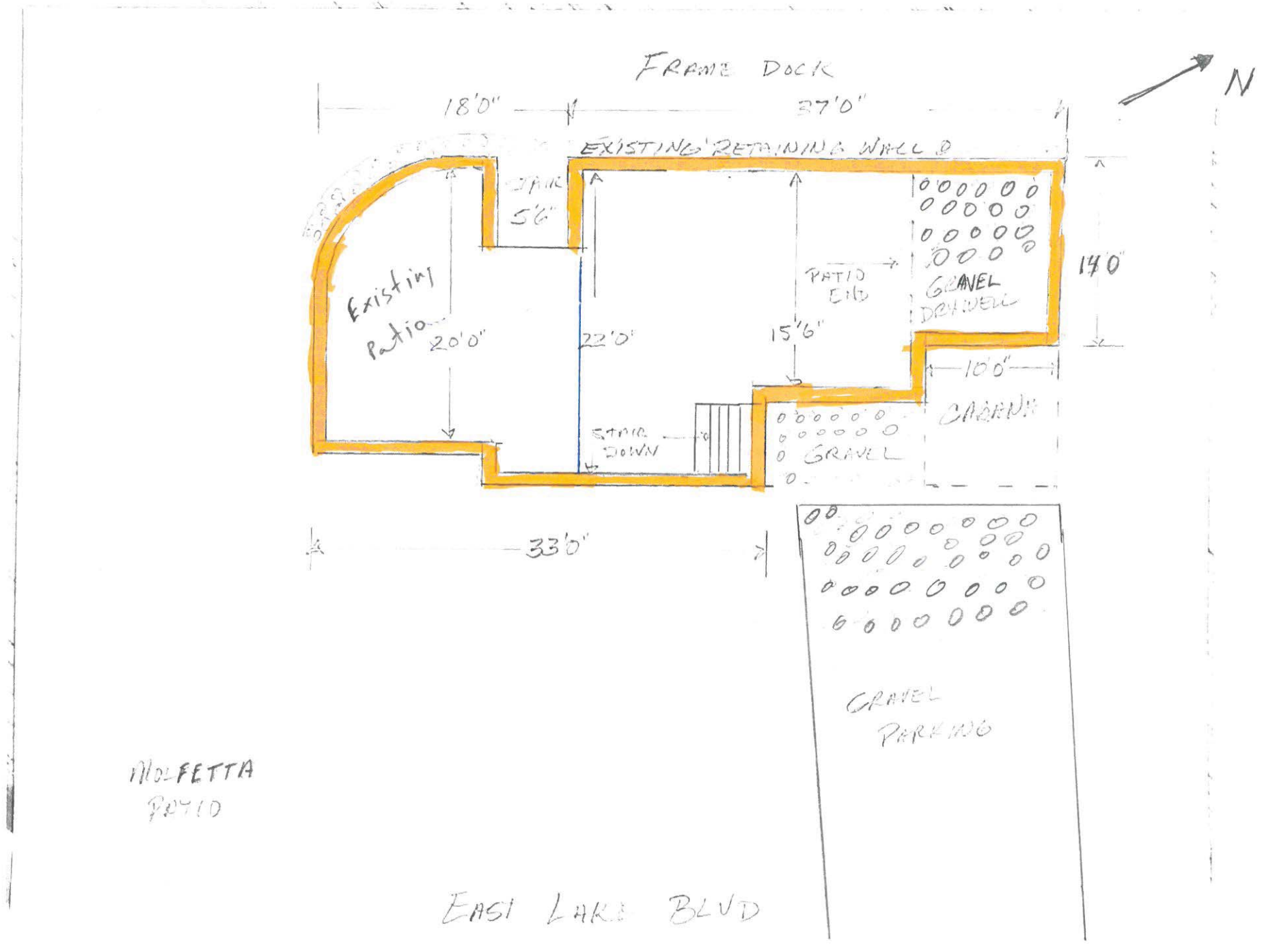
$$140' \times 24 \times .40 = 112 \text{ cf}$$

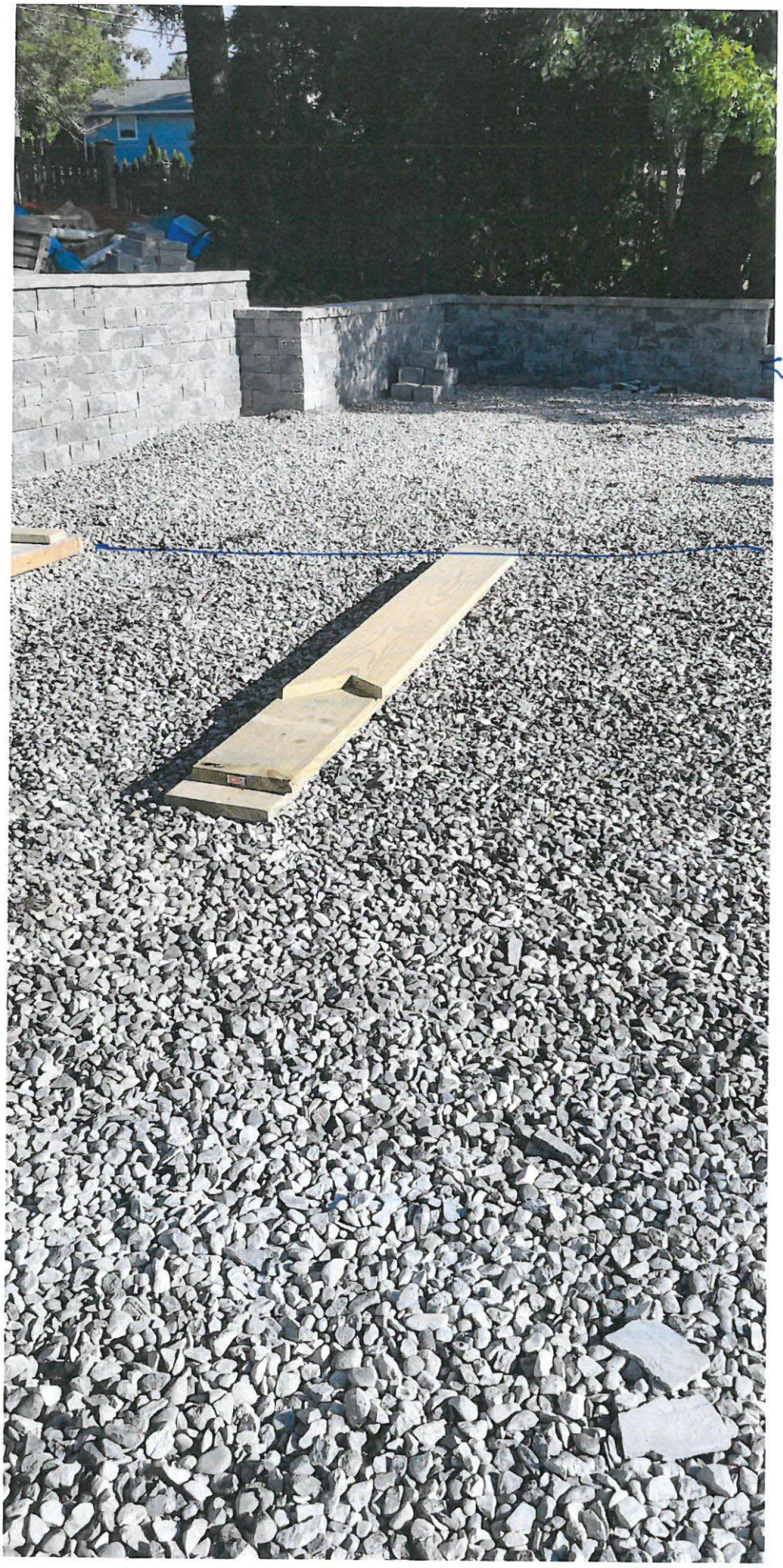
$$WQ_v \leq V_{DL} + (D_p \times A_{RG})$$

$$112 + (.5(3') \times 140) = 182 \text{ cf}$$

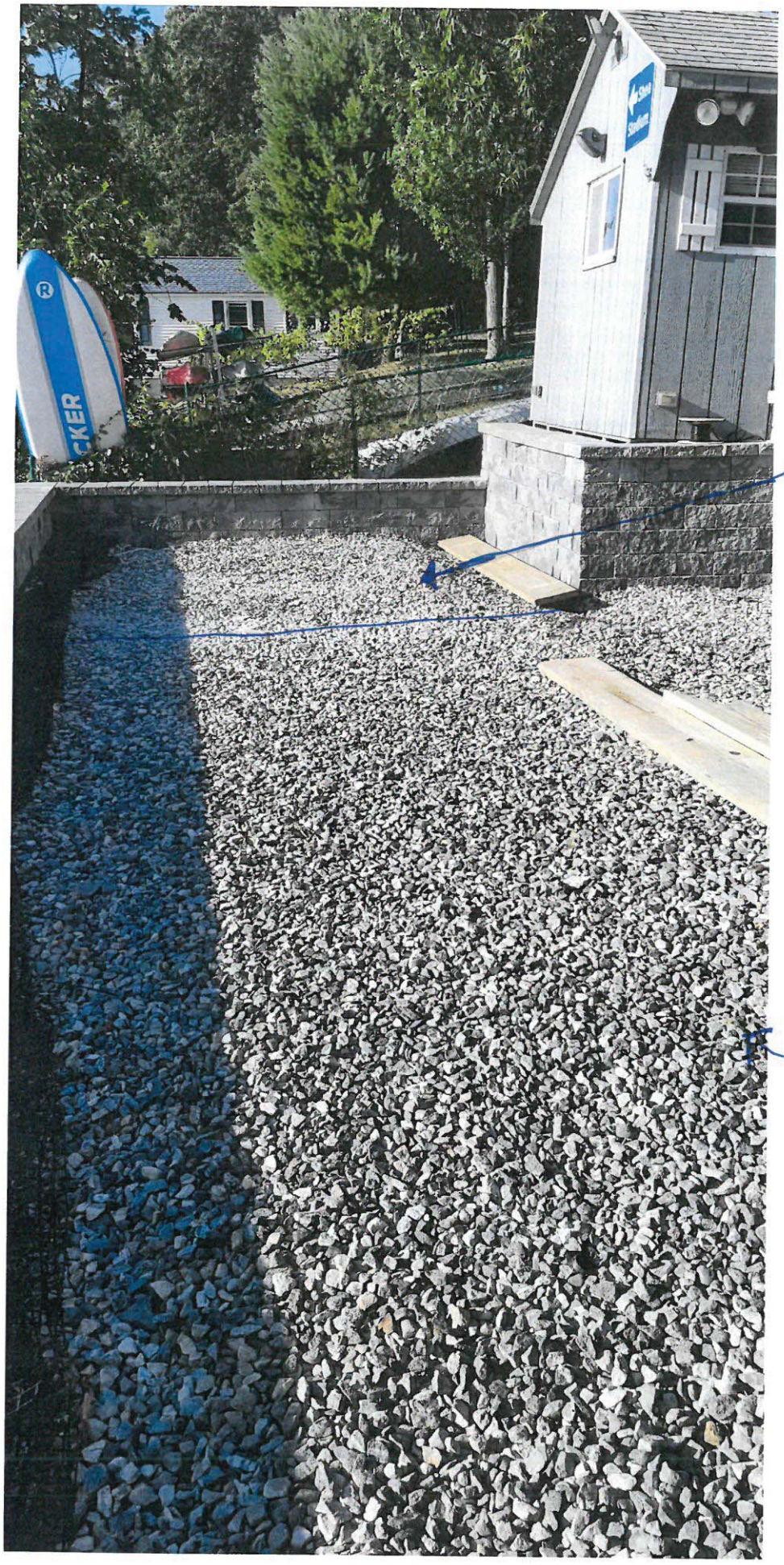
$$WQ_v \quad 35.62 \leq 182 \text{ cf}$$

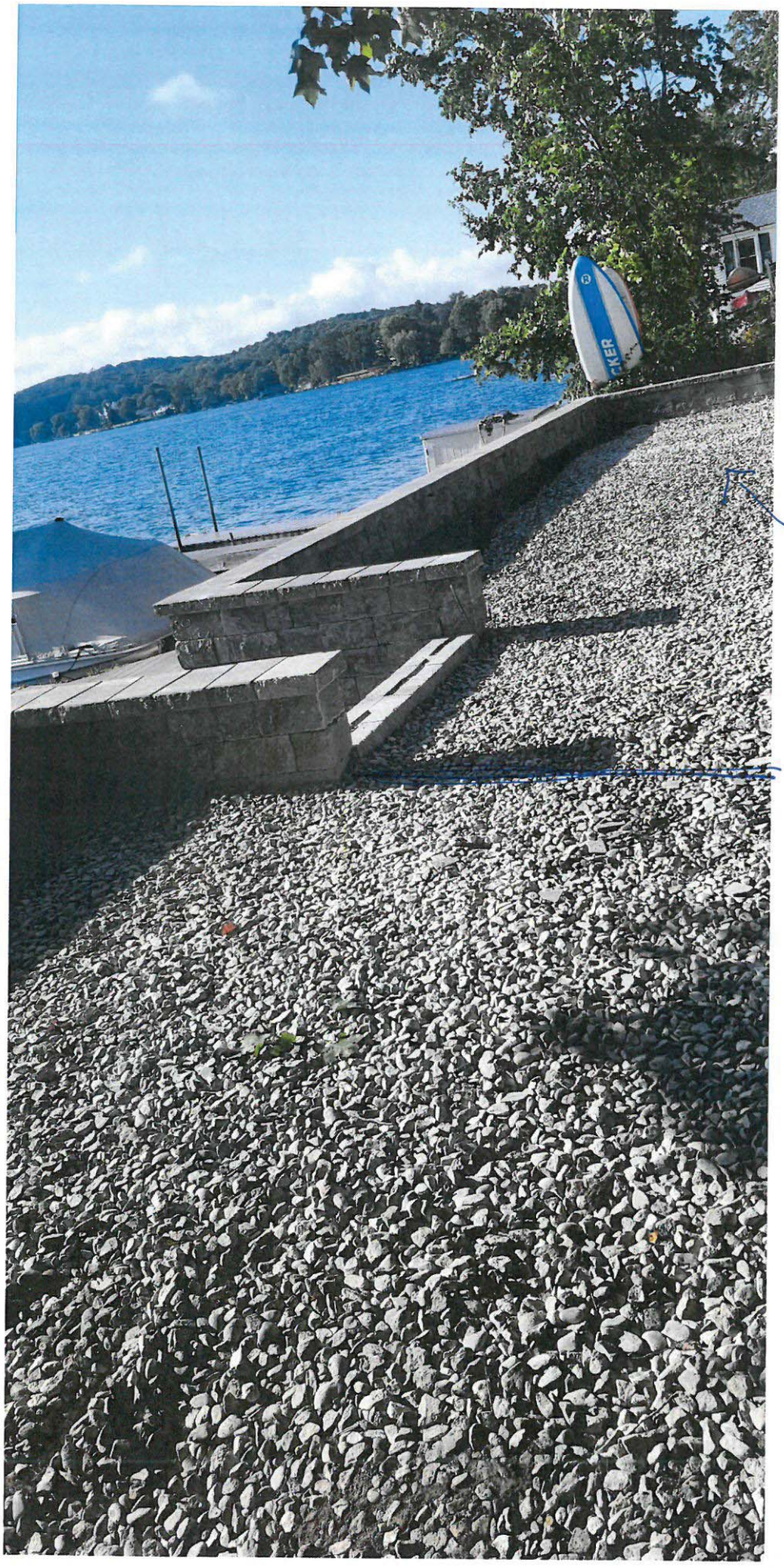

New Patio
Existing Patio
Retaining Wall
Dry Well 10' x 14'
N
FRAME DOCK
wood ramp into water
wood landing
masonry
retaining wall
4.0'
arrow-cut set on range, 1.0' from deed corner
existing sho
59.60'
(deed = 59.58')
S 77°14'30" E
pvc drain
Gravel Dry Well 10' x 14'
iron pin set
0.65' outside
(tie)
ret. wall
steps
existing shoreline
N 10°09'30" E
(62'± along shoreline and lakefront improvements)
spike found in west side of maple clump
center of large hollow maple tree on line
gravel area
AREA = 2086± SQ. FT
(0.048± ACRE)
(COMPUTED USING TIE LINE)
concrete block retaining wall
FRAME CABANA
0.5' inside
pole
overhead wires
ROMAN
ST. J(
poorly defined gravel area
LOT 41
N 76°50'00" W
29.00'
ROAD LINE AS PER F.M. NO. 9 PROLONGED NORTHERLY
15.2'
40.95'
16.5'
wood curb
iron pin found 0.1' W.
S 21°33'00" W
60.45'
iron pin set
gravel walk
gate
chain link fence
row of shrubs
edge of pavement
"MAP OF LAKE MAHOP
PROPERTY OF THE MIL
(filed February 19, 1916 as M
N 76°57'10" W
S 77°14'30" E
50.0'
EAST LAKE BOULEVA


FRAME DOCK
N
18'0"
37'0"
EXISTING RETAINING WALL
STAIR
5'6"
Existing Patio
20'0"
22'0"
15'6"
PATIO END
GRAVEL
DRIVEWAY
14'0"
10'0"
CARPORT
STAIR DOWN
GRAVEL
33'0"
GRAVEL PARKING
MOLFETTA PATIO
EAST LAKE BLVD



Existing Patio to be repaired with Unilock Pavers.


Dry Well
10' x 14'
New Patio
Area



New Patio Area to be Finished with Unilock