

ROBERT LAGA  
*Chairman*

ANTHONY DUSOVIC  
*Vice-Chair*

ROSE TROMBETTA  
*Secretary*

DAVID KLOTZLE  
*Wetland Inspector*

**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  
Marc Pekowsky  
Vincent Turano  
Nicholas Fannin  
John Starace

**ENVIRONMENTAL CONSERVATION BOARD AGENDA**

**MAY 21, 2015 – 7:30 P.M.**

**ELIGIBLE FOR A PERMIT**

<b><u>APPLICANT</u></b>	<b><u>ADDRESS</u></b>	<b><u>TAX MAP #</u></b>	<b><u>COMMENTS</u></b>
1. Smajlaj, Nikolle,	579 Croton Falls Rd	77.13-2-44	Restore Natural Drainage Channel & Construct Retaining Wall

**EXTENSION OF WETLAND PERMIT**

2. VIP Wash & Lube	118 Old Route 6	55.12-2-5	Extend Wetland Permit #853
--------------------	-----------------	-----------	----------------------------

**SUBMISSION OF AN APPLICATION OR LETTER OF PERMISSION**

3. Tepper, Alex	36 Kirk Lake Drive	64.11-1-17	Replace Floating Dock
4. Sheppard Estates, Inc.	17 Pleasant Road	53.15-1-24	Construct 1 Family Home
5. Roa, Efraim & Aida	41 Averill Drive	64.16-1-33	Renovation of Existing Residence
6. Morse, Edward	3 Lakeside Road	64.15-1-11	Construct Storage Shed
7. Vitello, Thomas	192 West Lake Blvd	64.19-1-78	Construct 20' x 20' Patio

**PLANNING BOARD REFERRAL**

8. Random Ridge Subdivision	Kennicut Hill Rd	76.10-1-23	29 Lot Subdivision
-----------------------------	------------------	------------	--------------------

**MISCELLANEOUS**

9. Minutes – 04/09/15



May 14, 2015

Town of Carmel  
Environmental Conservation Board  
Carmel Town Hall  
60 McAlpin Avenue  
Mahopac, New York 10541

RE: VIP Wash & Lube  
118 Old Route 6  
Carmel, New York  
Tax Map ID No. 55.12-2-5

Dear Chairman Laga and Members of the Board:


On February 16, 2012, the above referenced project was granted a Wetland Permit. A 2 year extension of the permit was granted on May 15, 2013, extending the permit to February 16, 2015. The applicant is ready to start the project and requests an extension of the wetland permit.

Please place the subject project on the agenda for the May 21, 2015 meeting to discuss an extension for the wetland permit for the project.

If you should have any questions or comments, or need copies of the approved site plans, please feel free to contact our office.

Very truly yours,

INSITE ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C.

By:   
Dawn Lewis McKenzie, RLA  
Project Landscape Architect

dln

Enclosures

cc: Sergio Santos

Insite File No. 10167.100

CARL STONE  
Chairman

ROBERT LAGA  
Vice Chair

ROSE TROMBETTA  
Secretary

DAVID KLOTZLE  
Wetland Inspector

**TOWN OF CARMEL**  
**ENVIRONMENTAL CONSERVATION BOARD**



60 McAlpin Avenue  
Mahopac, New York 10541  
Tel. (845) 628-1500 - Ext. 190  
[www.carmelny.org](http://www.carmelny.org)

BOARD MEMBERS

Edward Barnett  
Anthony Dusovic  
Marc Pekowsky  
Vincent Turano  
Nicholas Fannin

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

Name of Applicant: Alex Tepper

Address of Applicant: 36 KIRK LAKE DRIVE Email: \_\_\_\_\_

Telephone# \_\_\_\_\_ Name and Address of Owner if different from Applicant: \_\_\_\_\_

Property Address: KIRK LAKE DRIVE Tax Map # 64.11.1.17

Agency Submitting Application if Applicable: \_\_\_\_\_

Location of Wetland: KIRK LAKE

Size of Work Section & Specific Location: \_\_\_\_\_

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

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

REPLACEMENT OF FLOATING DOCK

REMOVE OLD DAMAGED DOCK - INSTALL NEW REPLACEMENT

Proposed Start Date: ASAP Anticipated Completion Date: 2 DAYS 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.

SIGNATURE

5/13/15  
DATE

617.20  
Appendix B  
Short Environmental Assessment Form

**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.

<b>Part 1 - Project and Sponsor Information</b>			
ALEX TEPPER - KIRK LAKE DOCK			
Name of Action or Project: FLOATING DOCK REPLACEMENT			
Project Location (describe, and attach a location map): 36 KIRK LAKE DRIVE			
Brief Description of Proposed Action: REMOVE DAMAGED FLOATING DOCK, INSTALL NEW DOCK			
Name of Applicant or Sponsor: BOB STROHM DESIGN & CONSTRUCTION, INC		Telephone: 845-628-1428	
Address: 451 N. LAKE BLVD.		E-Mail: Bob@BobStrohm.BIZ	
City/PO: MAHOPAC		State: N.Y.	Zip Code: 10541
1. Does the proposed action only involve the legislative adoption of a plan, local law, ordinance, administrative rule, or regulation? If Yes, attach a narrative description of the intent of the proposed action and the environmental resources that may be affected in the municipality and proceed to Part 2. If no, continue to question 2.			NO YES
2. Does the proposed action require a permit, approval or funding from any other governmental Agency? If Yes, list agency(s) name and permit or approval: NYS DEC - GRANTED			NO YES
3.a. Total acreage of the site of the proposed action?		.002 acres 900 SQ. FT.	
b. Total acreage to be physically disturbed?		0 acres	
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor?		.002 acres 900 SQ. FT.	
4. Check all land uses that occur on, adjoining and near the proposed action.			
<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 checked="" type="checkbox"/> Other (specify): <u>KIRK LAKE</u> <input type="checkbox"/> Parkland			

5. Is the proposed action, a. A permitted use under the zoning regulations?	NO	YES	N/A
		✓	
b. Consistent with the adopted comprehensive plan?		✓	
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: <u>KIRK LAKE</u>	NO	YES	
			✓
8. a. Will the proposed action result in a substantial increase in traffic above present levels?	NO	YES	
		✓	
b. Are public transportation service(s) available at or near the site of the proposed action?		✓	
		✓	
c. Are any pedestrian accommodations or bicycle routes available on or near site of the proposed action?		✓	
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	
		✓	<u>N/A</u>
10. Will the proposed action connect to an existing public/private water supply?  If No, describe method for providing potable water: <u>N/A</u>	NO	YES	
		✓	
11. Will the proposed action connect to existing wastewater utilities?  If No, describe method for providing wastewater treatment: <u>N/A</u>	NO	YES	
		✓	
12. a. Does the site contain a structure that is listed on either the State or National Register of Historic Places? b. Is the proposed action located in an archeological sensitive area?	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:	NO	YES	
			✓
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 checked="" type="checkbox"/> Wetland <input type="checkbox"/> Urban <input 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	
		✓	
16. Is the project site located in the 100 year flood plain?	NO	YES	
			✓
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? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES b. Will storm water discharges be directed to established conveyance systems (runoff and storm drains)? If Yes, briefly describe: <input type="checkbox"/> NO <input type="checkbox"/> YES	NO	YES	
		✓	

18. Does the proposed action include construction or other activities that result in the impoundment of water or other liquids (e.g. retention pond, waste lagoon, dam)? If Yes, explain purpose and size: _____	NO	YES
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: _____	NO	YES
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: _____	NO	YES
<b>I AFFIRM THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE</b>		
Applicant/sponsor name: <u>Bob Strohm Design &amp; Const. Inc.</u> Date: <u>5/13/15</u>		
Signature: <u>[Signature]</u>		

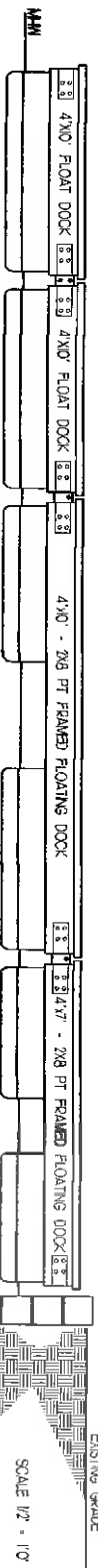
**Part 2 - Impact Assessment. The Lead Agency is responsible for the completion of Part 2.** Answer all of the following questions in Part 2 using the information contained in Part 1 and other materials submitted by the project sponsor or otherwise available to the reviewer. When answering the questions the reviewer should be guided by the concept "Have my responses been reasonable considering the scale and context of the proposed action?"

	No, or small impact may occur	Moderate to large impact may occur
1. Will the proposed action create a material conflict with an adopted land use plan or zoning regulations?		
2. Will the proposed action result in a change in the use or intensity of use of land?		
3. Will the proposed action impair the character or quality of the existing community?		
4. Will the proposed action have an impact on the environmental characteristics that caused the establishment of a Critical Environmental Area (CEA)?		
5. Will the proposed action result in an adverse change in the existing level of traffic or affect existing infrastructure for mass transit, biking or walkway?		
6. Will the proposed action cause an increase in the use of energy and it fails to incorporate reasonably available energy conservation or renewable energy opportunities?		
7. Will the proposed action impact existing: a. public / private water supplies? b. public / private wastewater treatment utilities?		
8. Will the proposed action impair the character or quality of important historic, archaeological, architectural or aesthetic resources?		
9. Will the proposed action result in an adverse change to natural resources (e.g., wetlands, waterbodies, groundwater, air quality, flora and fauna)?		

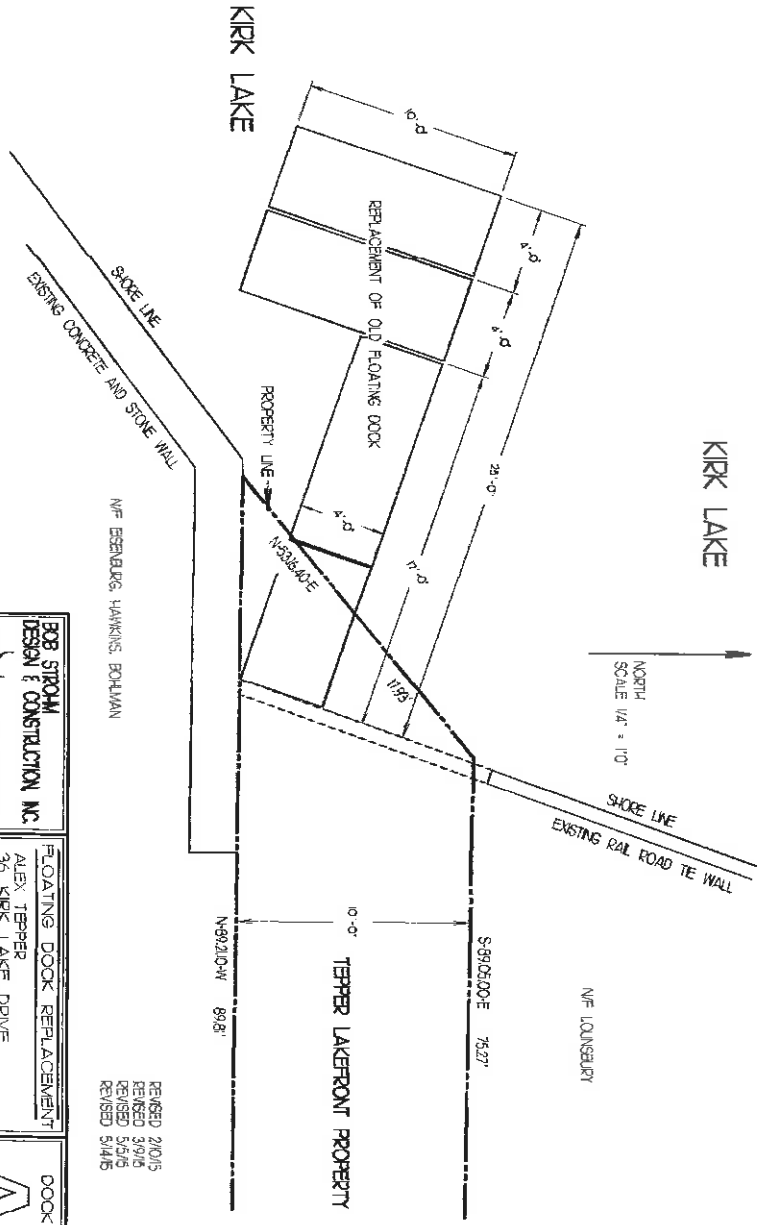
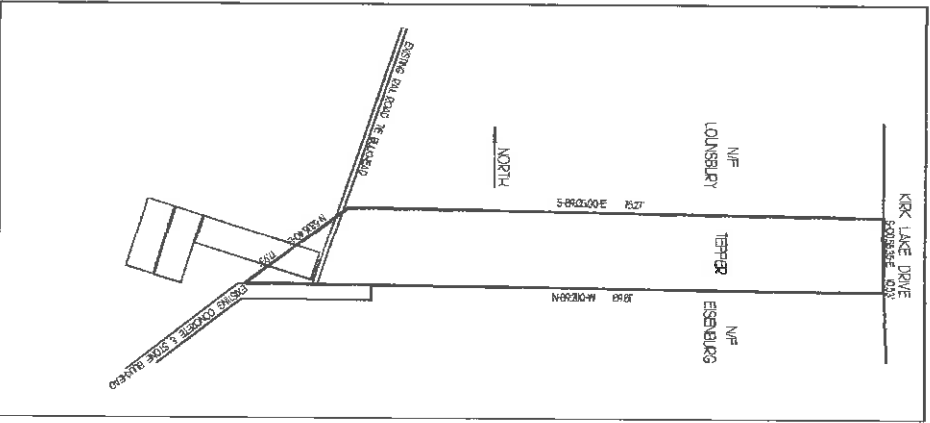
	No, or small impact may occur	Moderate to large impact may occur
10. Will the proposed action result in an increase in the potential for erosion, flooding or drainage problems?		
11. Will the proposed action create a hazard to environmental resources or human health?		

**Part 3 - Determination of significance. The Lead Agency is responsible for the completion of Part 3.** For every question in Part 2 that was answered "moderate to large impact may occur", or if there is a need to explain why a particular element of the proposed action may or will not result in a significant adverse environmental impact, please complete Part 3. Part 3 should, in sufficient detail, identify the impact, including any measures or design elements that have been included by the project sponsor to avoid or reduce impacts. Part 3 should also explain how the lead agency determined that the impact may or will not be significant. Each potential impact should be assessed considering its setting, probability of occurring, duration, irreversibility, geographic scope and magnitude. Also consider the potential for short-term, long-term and cumulative impacts.

<input type="checkbox"/> Check this box if you have determined, based on the information and analysis above, and any supporting documentation, that the proposed action may result in one or more potentially large or significant adverse impacts and an environmental impact statement is required.	
<input type="checkbox"/> Check this box if you have determined, based on the information and analysis above, and any supporting documentation, that the proposed action will not result in any significant adverse environmental impacts.	
<hr/> Name of Lead Agency	<hr/> Date
<hr/> Print or Type Name of Responsible Officer in Lead Agency	<hr/> Title of Responsible Officer
<hr/> Signature of Responsible Officer in Lead Agency	<hr/> Signature of Preparer (if different from Responsible Officer)



GENERAL NOTES  
 ALL FRAME MATERIALS ARE P.T.  
 ALL METAL HARDWARE IS MEROO  
 MARINE GRADE GALVANIZED STEEL  
 ALL FLOATATION IS EPS FOAM  
 FILLED POLYETHYLENE DUM



REVISED 2/10/15  
 REVISED 3/9/16  
 REVISED 5/6/16  
 REVISED 5/14/16

**BOB STROM**  
**DESIGN & CONSTRUCTION INC.**  
 645-638-1423  
 NORTH LAKE ROLLINGWOOD  
 MANHATTAN, NEW YORK

**FLOATING DOCK REPLACEMENT**  
 ALEX TEPFER  
 30 KIRK LAKE DRIVE  
 MANHATTAN, NEW YORK  
 DEC. 30, 2014 JOB NO. 2239

**DOCK PLAN**  
**A1**  
 SCALE AS NOTED

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





CARL STONE  
Chairman

ROBERT LAGA  
Vice Chair

ROSE TROMBETTA  
Secretary

DAVID KLOTZLE  
Wetland Inspector

# TOWN OF CARMEL ENVIRONMENTAL CONSERVATION BOARD



60 McAlpin Avenue  
Mahopac, New York 10541  
Tel. (845) 628-1500 - Ext. 190  
[www.carmelny.org](http://www.carmelny.org)

## BOARD MEMBERS

Edward Barnett  
Anthony Dusovic  
Marc Pekowsky  
Vincent Turano  
Nicholas Fannin

### APPLICATION FOR WETLAND PERMIT OR LETTER OF PERMISSION

Name of Applicant: Sheppard Estates c/o Louis PANNY

Address of Applicant: Po Box #2 Mahopac Falls Email:

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

Property Address: 17 Pleasant Rd, Mahopac Tax Map # 53.15-1-24

Agency Submitting Application if Applicable: N/A

Location of Wetland: SW c/o of Property

Size of Work Section & Specific Location:

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

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

Removing House + Constructing New Single Family House

Proposed Start Date: ASAP Anticipated Completion Date:  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.

[Signature]  
SIGNATURE

5/20/15  
DATE

617.20  
Appendix B  
Short Environmental Assessment Form

**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.

<b>Part 1 - Project and Sponsor Information</b>			
Name of Action or Project: <i>Construction of new single family</i>			
Project Location (describe, and attach a location map): <i>17 Pleasant rd Mahopac NY</i>			
Brief Description of Proposed Action: <i>Construction of single family dwelling</i>			
Name of Applicant or Sponsor: <i>Sheppard Estates inc</i>		Telephone: _____	
		E-Mail: _____	
Address: <i>PO Box #2</i>			
City/PO: <i>Mahopac Falls NY</i>		State: <i>NY</i>	Zip Code: <i>10542</i>
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 type="checkbox"/>
2. Does the proposed action require a permit, approval or funding from any other governmental Agency? If Yes, list agency(s) name and permit or approval:			NO <input type="checkbox"/>
			YES <input checked="" type="checkbox"/>
3.a. Total acreage of the site of the proposed action?		<i>3/4 acre</i> acres	
b. Total acreage to be physically disturbed?		<i>3000 sq ft</i> acres	
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor?		_____ acres	
4. Check all land uses that occur on, adjoining and near the proposed action.			
<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 checked="" type="checkbox"/>	
b. Consistent with the adopted comprehensive plan?			
6. Is the proposed action consistent with the predominant character of the existing built or natural landscape?	NO	YES	
		<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"/>		
8. a. Will the proposed action result in a substantial increase in traffic above present levels?	NO	YES	
	<input checked="" type="checkbox"/>		
b. Are public transportation service(s) available at or near the site of the proposed action?			
c. Are any pedestrian accommodations or bicycle routes available on or near site of the proposed action?			
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"/>		
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"/>		
11. Will the proposed action connect to existing wastewater utilities?  If No, describe method for providing wastewater treatment: _____	NO	YES	
	<input checked="" type="checkbox"/>		
12. a. Does the site contain a structure that is listed on either the State or National Register of Historic Places?	NO	YES	
	<input checked="" type="checkbox"/>		
b. Is the proposed action located in an archeological sensitive area?			
13. a. Does any portion of the site of the proposed action, or lands adjoining the proposed action, contain wetlands or other waterbodies regulated by a federal, state or local agency?	NO	YES	
	<input checked="" type="checkbox"/>		
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 checked="" 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 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 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	
	<input checked="" type="checkbox"/>		
16. Is the project site located in the 100 year flood plain?	NO	YES	
	<input checked="" type="checkbox"/>		
17. Will the proposed action create storm water discharge, either from point or non-point sources? If Yes,	NO	YES	
	<input checked="" type="checkbox"/>		
a. Will storm water discharges flow to adjacent properties?			<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES
b. Will storm water discharges be directed to established conveyance systems (runoff and storm drains)? If Yes, briefly describe: _____			<input type="checkbox"/> NO <input type="checkbox"/> YES

18. Does the proposed action include construction or other activities that result in the impoundment of water or other liquids (e.g. retention pond, waste lagoon, dam)? If Yes, explain purpose and size: _____	NO	<input checked="" type="checkbox"/> YES
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: _____	NO	<input checked="" type="checkbox"/> YES
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: _____	NO	<input checked="" type="checkbox"/> YES
<b>I AFFIRM THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE</b>		
Applicant/sponsor name: _____	Date: <u>5/20/15</u>	
Signature: _____		

**Part 2 - Impact Assessment. The Lead Agency is responsible for the completion of Part 2.** Answer all of the following questions in Part 2 using the information contained in Part 1 and other materials submitted by the project sponsor or otherwise available to the reviewer. When answering the questions the reviewer should be guided by the concept "Have my responses been reasonable considering the scale and context of the proposed action?"

	No, or small impact may occur	Moderate to large impact may occur
1. Will the proposed action create a material conflict with an adopted land use plan or zoning regulations?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Will the proposed action result in a change in the use or intensity of use of land?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Will the proposed action impair the character or quality of the existing community?	<input type="checkbox"/>	<input type="checkbox"/>
4. Will the proposed action have an impact on the environmental characteristics that caused the establishment of a Critical Environmental Area (CEA)?	<input type="checkbox"/>	<input type="checkbox"/>
5. Will the proposed action result in an adverse change in the existing level of traffic or affect existing infrastructure for mass transit, biking or walkway?	<input type="checkbox"/>	<input type="checkbox"/>
6. Will the proposed action cause an increase in the use of energy and it fails to incorporate reasonably available energy conservation or renewable energy opportunities?	<input type="checkbox"/>	<input type="checkbox"/>
7. Will the proposed action impact existing: a. public / private water supplies? b. public / private wastewater treatment utilities?	<input type="checkbox"/>	<input type="checkbox"/>
8. Will the proposed action impair the character or quality of important historic, archaeological, architectural or aesthetic resources?	<input type="checkbox"/>	<input type="checkbox"/>
9. Will the proposed action result in an adverse change to natural resources (e.g., wetlands, waterbodies, groundwater, air quality, flora and fauna)?	<input type="checkbox"/>	<input type="checkbox"/>

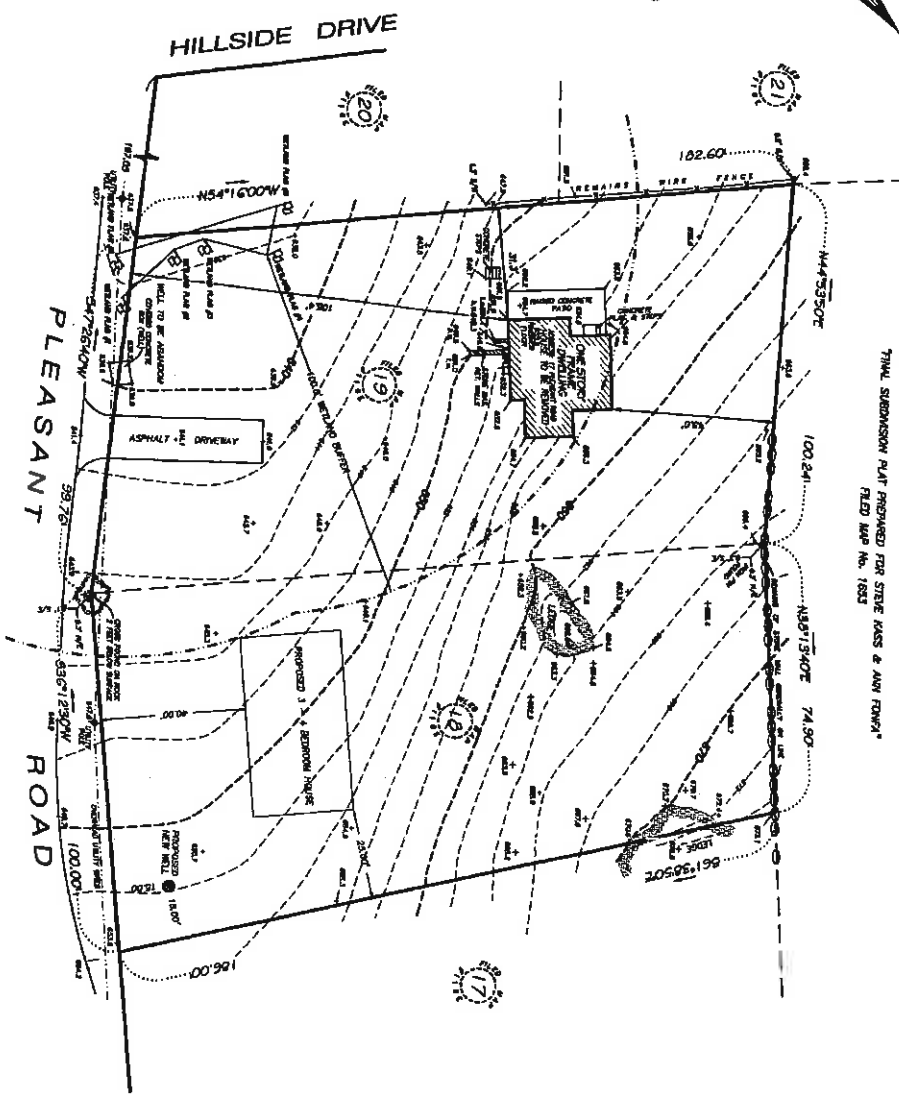
# TOPOGRAPHIC SURVEY OF PROPERTY SITUATE IN THE TOWN OF CARMEL PUTNAM COUNTY NEW YORK

SCALE: 1" = 20'  
SURVEYED: FEBRUARY 12, 2014  
SURVEY AMENDED FOR ADDITIONAL TOPOGRAPHIC INFORMATION: MARCH 21, 2014  
WETLAND FLAG LOCATED MAY 13, 2015

- THE PREVIOUS BROWN HORIZONTAL MERIDION BROWN AND DISCONTINUED AS LOT 19A, 19 B & 19 C BROWN ON A CERTAIN DATE SETTING, WERE ALSO DISCONTINUED AS OF SECTION 18, TOWNSHIP 10 NORTH, RANGE 1 WEST AND FILED BY THE PUTNAM COUNTY CLERK'S OFFICE ON MARCH 13, 1983 AND FILED MAP NO. 1942.
- PREMISES ARE DESIGNATED ON THE TAX MAPS FOR THE TOWN OF CARMEL.
- MAP: 53.15 BLOCK 1 LOT 24
- PROPERTY AREA: 34,383 Sq Ft / 0.783 Acre
- SURVEY WAS COMPLETED WITH 1/2 INCH BROWN COVER.
- THE BOUNDARY BROWN MERIDION ARE BY THE "WIND BR" METHOD.
- ALL BOUNDARIES VERTICAL, DUTCH (1841),
- BOUNDARIES ARE SUBJECT TO ANY STATE OR LOCAL WHICH MAY IN THE FUTURE TITLE
- DISCONTINUED BY PROCLAMATION.
- THE CURRENT BROWN MERIDION ARE FOR SUPPLEMENTAL NUMBER ONLY, OPERATING AS BOUNDARIES TO ANY OTHER BROWN MERIDION.
- LOCATED ON BROWN MERIDION OR PERSON'S SUBSEQUENT MATTER, IF ANY, NOT
- MADE INTENTIONAL INTENTION ON ADDITION TO A BROWN MAP BEARING A LICENSED LAND SURVEYOR'S NAME AND SECTION FROM BROWN MERIDION, AS OF THE NEW YORK STATE BOUNDARY LAW.
- ONLY COPIES FROM THE ORIGINAL, OR THE BROWN MERIDION, MAY BE USED, OR THE LAND SURVEYOR'S SEAL SHALL, BE CONSIDERED TO BE TRUE AND CORRECT.
- THIS MAP HAS BEEN PREPARED FROM AN ACTUAL FIELD SURVEY CONDUCTED ON THE DATE SHOWN AND THE BROWN MERIDION ARE NOT TO BE USED FOR ANY OTHER PURPOSES, SUCH AS FOR PLANNING OR PROFESSIONAL LAND SURVEYING, AS ADOPTED BY THE NEW YORK STATE ASSOCIATION OF PROFESSIONAL LAND SURVEYORS.

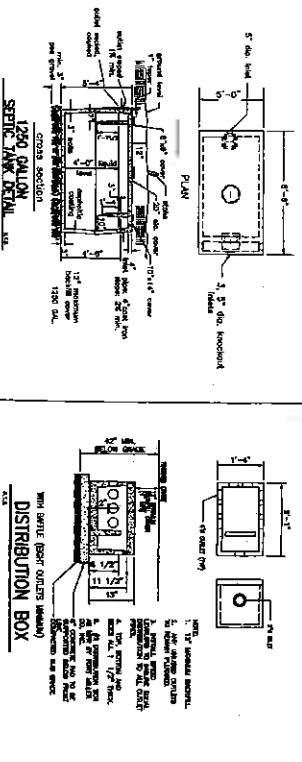
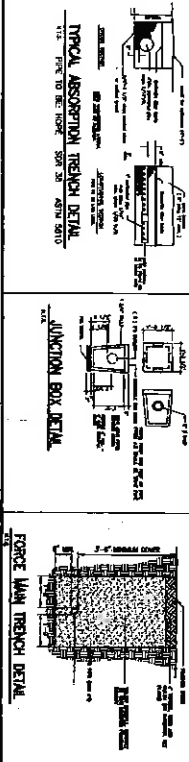
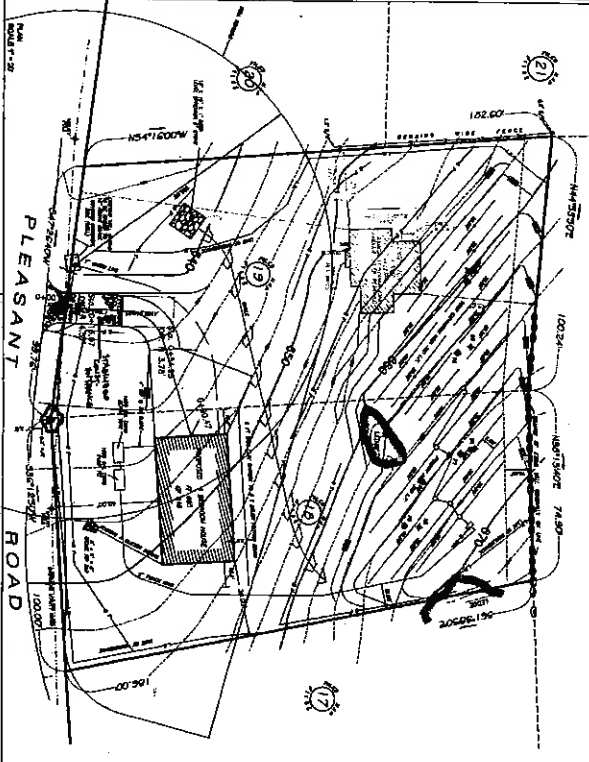
PREPARED FOR: LOUIS PANNY

Link  
Land Surveyors P.C.  
31 Oak Point, Suite 1-3  
Putnam County, NY 12572  
Phone: 845-257-4877  
Fax: 845-257-4015



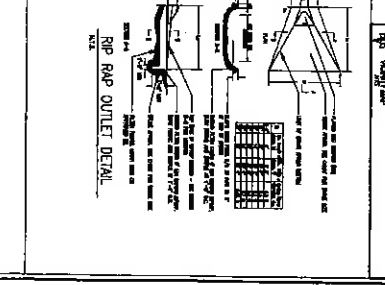
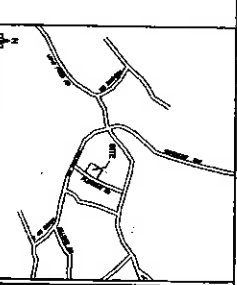
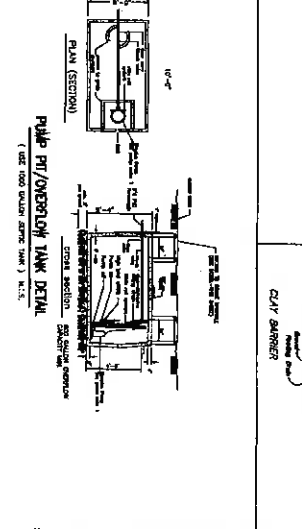
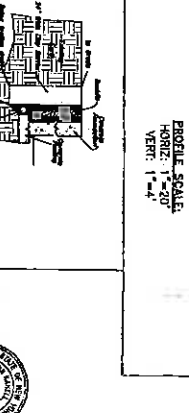
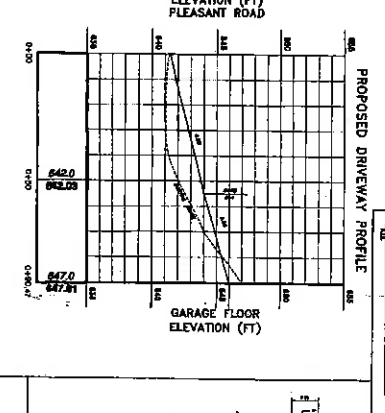
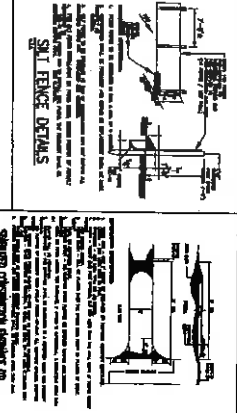
THIS SUBMISSION PLAT PREPARED FOR STATE MAPS & ANY TOWNS  
FILED MAP NO. 1943

THIS SUBMISSION WAS PREPARED FOR STEVE BASS & ASSOCIATES  
 7120 3RD AVENUE, NEW YORK



THESE DRAWINGS WERE PREPARED BY THE ENGINEER AND ARCHITECT AND ARE NOT TO BE USED FOR ANY OTHER PROJECT WITHOUT THE WRITTEN CONSENT OF THE ENGINEER AND ARCHITECT. THE ENGINEER AND ARCHITECT ARE NOT RESPONSIBLE FOR ANY DAMAGE TO PERSONS OR PROPERTY CAUSED BY THE USE OF THESE DRAWINGS. THE USER OF THESE DRAWINGS IS ADVISED THAT THE ENGINEER AND ARCHITECT DO NOT GUARANTEE THE ACCURACY OF THE INFORMATION CONTAINED HEREIN. THE USER OF THESE DRAWINGS IS ADVISED THAT THE ENGINEER AND ARCHITECT DO NOT GUARANTEE THE ACCURACY OF THE INFORMATION CONTAINED HEREIN.

THESE DRAWINGS WERE PREPARED BY THE ENGINEER AND ARCHITECT AND ARE NOT TO BE USED FOR ANY OTHER PROJECT WITHOUT THE WRITTEN CONSENT OF THE ENGINEER AND ARCHITECT. THE ENGINEER AND ARCHITECT ARE NOT RESPONSIBLE FOR ANY DAMAGE TO PERSONS OR PROPERTY CAUSED BY THE USE OF THESE DRAWINGS. THE USER OF THESE DRAWINGS IS ADVISED THAT THE ENGINEER AND ARCHITECT DO NOT GUARANTEE THE ACCURACY OF THE INFORMATION CONTAINED HEREIN. THE USER OF THESE DRAWINGS IS ADVISED THAT THE ENGINEER AND ARCHITECT DO NOT GUARANTEE THE ACCURACY OF THE INFORMATION CONTAINED HEREIN.



**LEGEND**

- PERK FOR PERFORATION TEST HOLE
- DEEP TEST HOLE
- OUT TRENCH
- LIMIT OF CONTRIBANCE
- PRIMARY TRENCH (60% L.F.)
- EXPANSION TRENCH (40% L.F.)
- LIMIT OF DISTURBANCE (SHED 80% F.F.)

**SEAL**

**JOHN KAREL, JR. P.E.**  
 121 CUSHMAN ROAD  
 PLEASANT ROAD  
 TOWN OF CANTON

**LOUIS BARRY**  
 TOWN ENGINEER

**DATE:** OCTOBER 17, 2014  
**SCALE:** 1"=20'

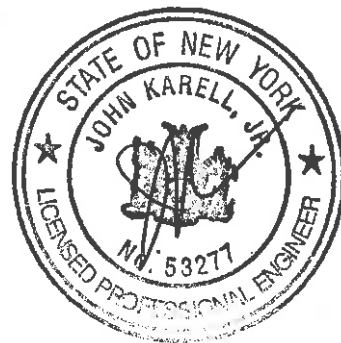
**JOHN KARELL, JR., P.E.**  
**121 CUSHMAN ROAD**  
**PATTERSON, NEW YORK, 12563**  
**845-878-7894 FAX 845 878 4939**  
**jack4911@yahoo.com**

---

**STORMWATER POLLUTION PREVENTION PLAN**  
**EROSION AND SEDIMENT CONTROL**

**LOUIS PANNY**  
**PLEASANT ROAD**  
**CARMEL (T)**

**March 24, 2015**





## **I. INTRODUCTION**

### **1.1. Project background**

The project site is vacant land located on Pleasant Road in the Town of Carmel, Putnam County, New York. The property is identified as tax map # 53.15-1-24. The site presently contains a small cottage.

#### **Site Description**

The site is 0.8 acres in size. The proposed house construction will result in an increase in impervious area of 3,300 square feet and 0.7 acres of total disturbance.

### **1.2. SWPPP Overview**

It is proposed to construct a single family house will be 1,400 square feet in size, An existing drilled well and new onsite subsurface sewage treatment system (SSTS) 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 Chapter 103 of the Code of the Town of Carmel entitled Stormwater Management and NYSDEC SPDES General Permit for Storm water Discharges from Construction Activities, General Permit GP-0-1 5-002 ,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 stormwater pollution prevention plan is required for this project. No SWPPP approval is required by the NYCDEP as the proposed project does not exceed the thresholds for requiring preparation of a SWPPP, nor proposes a regulated impervious surface within the limiting distance of a NYCDEP regulated watercourse or wetland.

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 contains a cottage which will be removed from the site. The property consists of lots 18 & 19 on a subdivision entitled, "Mahopac Falls Park, Section 4", approved August 12, 1939. The lot is located on the north side of the Pleasant Road.

Generally the topography on the site flows from north to south. The subject property is located in the Amawalk Reservoir Drainage Basin which is located in the NYC EOH Watershed.

### **2.1 Surface Water**

No lake, pond, wetland or other surface water exists on this property.

## **2.2 Soils**

### **2.1.1. Hydrologic Soils/NRCS Web Soils Survey**

Soils on the property are classified by the United States Department of Agriculture Soil Conservation Service as Charlton Chatfield Complex, Hydrologic soil group B from the Web Soil Survey. Soil boundaries are shown on the Site Plan.

The pre developed site consists of woods and lawn in good condition.

### **2.1.2. Site Geotechnical Evaluation**

The deep test holes indicated a rock and groundwater at depths greater than 8 feet. Soil percolation tests indicated a percolation rate of 11-15 minutes per inch.

## **2.3. Groundwater**

Groundwater was not encountered to a depth of 8 feet.

## **2.4. Natural Resources**

Natural resources contained on the site is the woodland area. Some woodland will be removed however the extent of removal will be minimized.

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

There are no Historic places on this property. See letter from SHPO.

## **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**

Most of the property drains to the area along Pleasant Road. 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 adjacent lawn areas.

B. Stormwater conveyance for this project consists of sheet flow onto adjacent lawn areas and piping to existing stormwater structures.

## **IV. Stormwater Management**

Treatment of stormwater is not required.

## **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 mulched 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.

## **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, "Storm water Documents".

### **B. Responsibilities**

The project contractor and/or subcontractors 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:

Louis Panny  
P.O. Box 658  
Mahopac, New York, 10541

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.

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

A. The *owner or operator* shall maintain a copy of the General Permit (GP-0-15-002), 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. In accordance with the requirements of the Town of Carmel Town Code, 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 George Sica 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-0-15-002. In addition, the design of all storm water management practices meets the requirements of the Town of Carmel.







## Parks, Recreation, and Historic Preservation

ANDREW M. CUOMO

Governor

April 14, 2015

ROSE HARVEY

Commissioner

Mr. John Karell  
Karell Engineering  
121 Cushman Road  
Patterson, NY 12563

Re: SEQRA - Panny Pleasant Road House Construction  
Pleasant Road, Carmel, NY  
15PR01536

Dear Mr. Karell:

Thank you for requesting the comments of the Office of Parks, Recreation and Historic Preservation's Division for Historic Preservation (OPRHP/DHP) as part of your SEQRA process. These comments are those of OPRHP/DHP and relate only to Historic/Cultural resources. They do not include potential environmental impacts to New York State Parkland that may be involved in or near your project. Such impacts must be considered as part of the environmental review of the project pursuant to the State Environmental Quality Review Act (New York Environmental Conservation Law Article 8) and its implementing regulations (6 NYCRR Part 617).

We have reviewed the submitted project for the project noted above, received on April 7, 2015. Based on our review of the above noted project, we believe that no archaeological investigations should be required. If in the future the scope of design of the project changes then we would suggest that the potential for archaeological site disturbance be reevaluated.

There are no properties in the project area that are **listed** in the State and/or National Register of Historic Places (S/NRHP). Therefore, under SEQRA we have no concerns regarding potential impacts to historic architectural resources. However, this review does not include potential impacts to architectural resources that may be **eligible** for the S/NRHP. If this project will involve state or federal permitting (such as DEC or DOT), funding or licensing, we will likely recommend a more rigorous review for impacts to architectural resources, in accordance with Section 106 of the National Historic Preservation Act or Section 14.09 of NYS Parks Recreation and Historic Preservation Law.

If further correspondence is required regarding this project, please be sure to refer to the OPRHP Project Review (PR) number noted above.

Sincerely,

Ruth L. Pierpont  
Deputy Commissioner for Historic Preservation

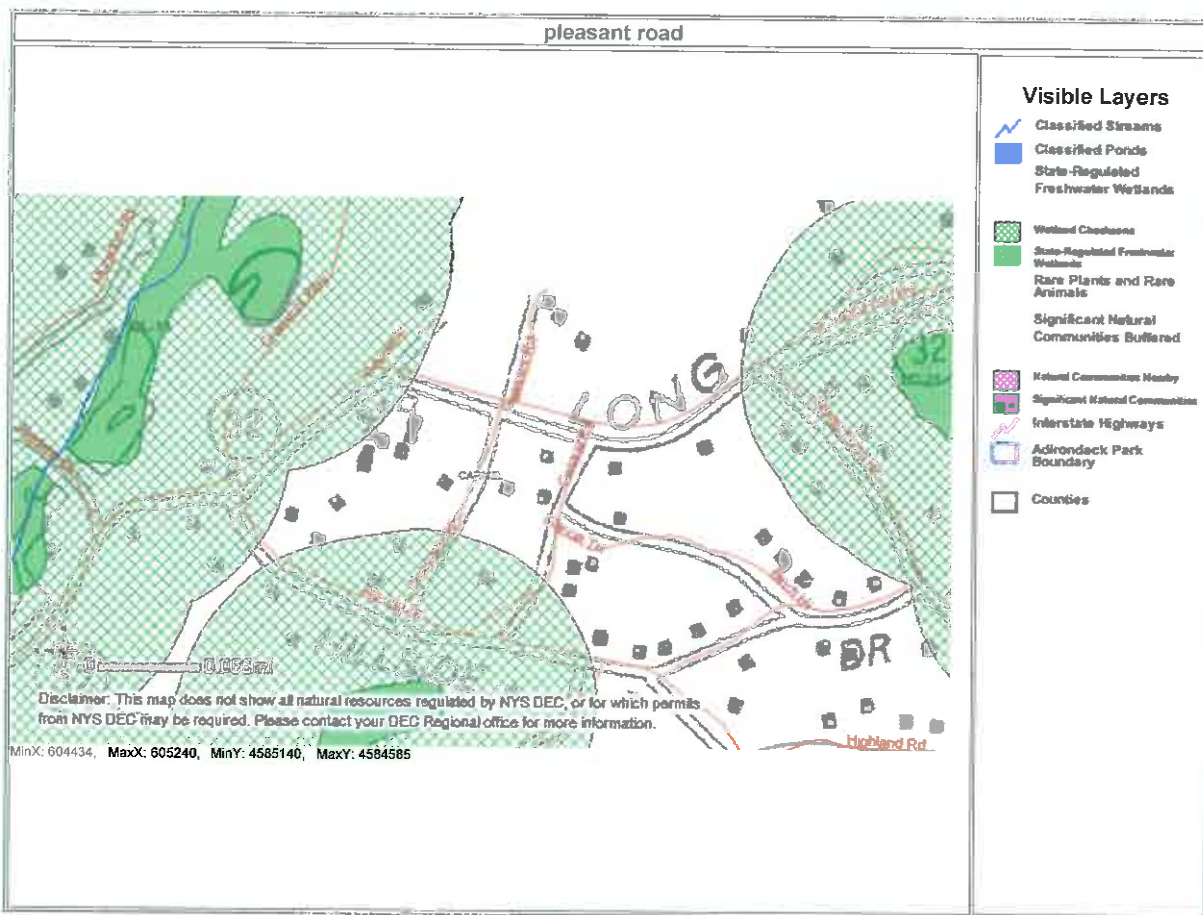
---

Division for Historic Preservation

P.O. Box 189, Waterford, New York 12188-0189 • (518) 237-8643 • [www.nysparks.com](http://www.nysparks.com)

[print page] [close window]

Please set your printer orientation to "Landscape".



Disclaimer: This map was prepared by the New York State Department of Environmental Conservation using the most current data available. It is deemed accurate but is not guaranteed. NYS DEC is not responsible for any inaccuracies in the data and does not necessarily endorse any interpretations or products derived from the data.

**NOTICE OF INTENT**

**New York State Department of Environmental Conservation**



**Division of Water**

**625 Broadway, 4th Floor**

**Albany, New York 12233-3505**

**NYR**

(for DEC use only)

**Stormwater Discharges Associated with Construction Activity Under State Pollutant Discharge Elimination System (SPDES) General Permit # GP-0-10-001**  
 All sections must be completed unless otherwise noted. Failure to complete all items may result in this form being returned to you, thereby delaying your coverage under this General Permit. Applicants must read and understand the conditions of the permit and prepare a Stormwater Pollution Prevention Plan prior to submitting this NOI. Applicants are responsible for identifying and obtaining other DEC permits that may be required.

**- IMPORTANT -**

**RETURN THIS FORM TO THE ADDRESS ABOVE**

**OWNER/OPERATOR MUST SIGN FORM**

**Owner/Operator Information**

Owner/Operator (Company Name/Private Owner Name/Municipality Name)

L O U I S P A N N Y

Owner/Operator Contact Person Last Name (NOT CONSULTANT)

P A N N Y

Owner/Operator Contact Person First Name

L O U I S

Owner/Operator Mailing Address

P O B O X 6 5 8

City

M A H O P A C

State

N Y

Zip

1 0 5 4 1 -

Phone (Owner/Operator)

0 1 4 - 4 9 0 - 4 4 1 0

Fax (Owner/Operator)

- - -

Email (Owner/Operator)

FED TAX ID

- (not required for individuals)

**Project Site Information**

Project/Site Name

P A N N Y   H O U S E   C O N S T R U C T I O N

Street Address (NOT P.O. BOX)

1 7   P L E A S A N T   R O A D

Side of Street

North    South    East    West

City/Town/Village (THAT ISSUES BUILDING PERMIT)

C A R M E L

State   Zip   County   DEC Region  
 N Y   1 0 5 1 2 -   P U T N A M   3

Name of Nearest Cross Street

H I L L S I D E   R O A D

Distance to Nearest Cross Street (Feet)

5 0 0

Project In Relation to Cross Street

North    South    East    West

Tax Map Numbers  
 Section-Block-Parcel

5 3 . 1 5 - 1 - 2 4

Tax Map Numbers

1. Provide the Geographic Coordinates for the project site in NYTM Units. To do this you must go to the NYSDEC Stormwater Interactive Map on the DEC website at:

[www.dec.ny.gov/ismaps/stormwater/viewer.htm](http://www.dec.ny.gov/ismaps/stormwater/viewer.htm)

Zoom into your Project Location such that you can accurately click on the centroid of your site. Once you have located your project site, go to the tool boxes on the top and choose "i"(identify). Then click on the center of your site and a new window containing the X, Y coordinates in UTM will pop up. Transcribe these coordinates into the boxes below. For problems with the interactive map use the help function.

X Coordinates (Easting)

6 0 4 7 6 7

Y Coordinates (Northing)

4 5 8 4 7 9 2

2. What is the nature of this construction project?

- New Construction
- Redevelopment with increase in impervious area
- Redevelopment with no increase in impervious area

3. Select the predominant land use for both pre and post development conditions.  
**SELECT ONLY ONE CHOICE FOR EACH**

**Pre-Development  
Existing Land Use**

- FOREST
- PASTURE/OPEN LAND
- CULTIVATED LAND
- SINGLE FAMILY HOME
- SINGLE FAMILY SUBDIVISION
- TOWN HOME RESIDENTIAL
- MULTIFAMILY RESIDENTIAL
- INSTITUTIONAL/SCHOOL
- INDUSTRIAL
- COMMERCIAL
- ROAD/HIGHWAY
- RECREATIONAL/SPORTS FIELD
- BIKE PATH/TRAIL
- LINEAR UTILITY
- PARKING LOT
- OTHER

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

**Post-Development  
Future Land Use**

- SINGLE FAMILY HOME
- SINGLE FAMILY SUBDIVISION
- TOWN HOME RESIDENTIAL
- MULTIFAMILY RESIDENTIAL
- INSTITUTIONAL/SCHOOL
- INDUSTRIAL
- COMMERCIAL
- MUNICIPAL
- ROAD/HIGHWAY
- RECREATIONAL/SPORTS FIELD
- BIKE PATH/TRAIL
- LINEAR UTILITY (water, sewer, gas, etc.)
- PARKING LOT
- CLEARING/GRADING ONLY
- DEMOLITION, NO REDEVELOPMENT
- WELL DRILLING ACTIVITY \*(Oil, Gas, etc.)
- OTHER

Number of Lots

--	--	--

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

\*Note: for gas well drilling, non-high volume hydraulic fractured wells only

4. In accordance with the larger common plan of development or sale, enter the total project site area; the total area to be disturbed; existing impervious area to be disturbed (for redevelopment activities); and the future impervious area constructed within the disturbed area. (Round to the nearest tenth of an acre.)

Total Site Area	Total Area To Be Disturbed	Existing Impervious Area To Be Disturbed	Future Impervious Area Within Disturbed Area
<input type="text" value="0"/> <input type="text" value="8"/>	<input type="text" value="0"/> <input type="text" value="7"/>	<input type="text" value="0"/> <input type="text" value="1"/>	<input type="text" value="0"/> <input type="text" value="1"/>

5. Do you plan to disturb more than 5 acres of soil at any one time?  Yes  No

6. Indicate the percentage of each Hydrologic Soil Group (HSG) at the site:

<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
<input type="text" value="0"/> %	<input type="text" value="1"/> <input type="text" value="0"/> <input type="text" value="0"/> %	<input type="text" value="0"/> %	<input type="text" value="0"/> %

7. Is this a phased project?  Yes  No

8. Enter the planned start and end dates of the disturbance activities.

Start Date:   /   /     - End Date:   /   /

9. Identify the nearest surface waterbody(ies) to which construction site runoff will discharge.

Name

u n n a m e d   s t r e a m

[Empty grid for name continuation]

9a. Type of waterbody identified in Question 9?

- Wetland / State Jurisdiction On Site (Answer 9b)
- Wetland / State Jurisdiction Off Site
- Wetland / Federal Jurisdiction On Site (Answer 9b)
- Wetland / Federal Jurisdiction Off Site
- Stream / Creek On Site
- Stream / Creek Off Site
- River On Site
- River Off Site
- Lake On Site
- Lake Off Site
- Other Type On Site
- Other Type Off Site

[Empty grid for other type identification]

9b. How was the wetland identified?

- Regulatory Map
- Delineated by Consultant
- Delineated by Army Corps of Engineers
- Other (identify)

[Empty grid for other identification]

10. Has the surface waterbody(ies) in question 9 been identified as a 303(d) segment in Appendix E of GP-0-10-001?  Yes  No

11. Is this project located in one of the Watersheds identified in Appendix C of GP-0-10-001?  Yes  No

12. Is the project located in one of the watershed areas associated with AA and AA-S classified waters?  Yes  No  
If no, skip question 13.

13. Does this construction activity disturb land with no existing impervious cover and where the Soil Slope Phase is identified as an E or F on the USDA Soil Survey?  Yes  No  
If Yes, what is the acreage to be disturbed?  
[ ] [ ] [ ] [ ] . [ ]

14. Will the project disturb soils within a State regulated wetland or the protected 100 foot adjacent area?  Yes  No

15. Does the site runoff enter a separate storm sewer system (including roadside drains, swales, ditches, culverts, etc)?  Yes  No  Unknown

16. What is the name of the municipality/entity that owns the separate storm sewer system?

T O W N O F C A R M E L

17. Does any runoff from the site enter a sewer classified as a Combined Sewer?  Yes  No  Unknown

18. Will future use of this site be an agricultural property as defined by the NYS Agriculture and Markets Law?  Yes  No

19. Is this property owned by a state authority, state agency, federal government or local government?  Yes  No

20. Is this a remediation project being done under a Department approved work plan? (i.e. CERCLA, RCRA, Voluntary Cleanup Agreement, etc.)  Yes  No

21. Has the required Erosion and Sediment Control component of the SWPPP been developed in conformance with the current NYS Standards and Specifications for Erosion and Sediment Control (aka Blue Book)?  Yes  No

22. Does this construction activity require the development of a SWPPP that includes the post-construction stormwater management practice component (i.e. Runoff Reduction, Water Quality and Quantity Control practices/techniques)?  Yes  No  
If No, skip questions 23 and 27-39.

23. Has the post-construction stormwater management practice component of the SWPPP been developed in conformance with the current NYS Stormwater Management Design Manual?  Yes  No



24. The Stormwater Pollution Prevention Plan (SWPPP) was prepared by:

- Professional Engineer (P.E.)
  - Soil and Water Conservation District (SWCD)
  - Registered Landscape Architect (R.L.A)
  - Certified Professional in Erosion and Sediment Control (CPESC)
  - Owner/Operator
  - Other
- 

**SWPPP Preparer**

J O H N K A R E L L

Contact Name (Last, Space, First)

K A R E L L , J O H N

Mailing Address

1 2 1 C U S H M A N R O A D

City

P A T T E R S O N

State Zip

N Y 1 2 5 6 3 -

Phone

8 4 5 - 7 2 1 - 0 4 5 5

Fax

- - -

Email

J A C K 4 9 1 1 @ Y A H O O . C O M

**SWPPP Preparer Certification**

I hereby certify that the Stormwater Pollution Prevention Plan (SWPPP) for this project has been prepared in accordance with the terms and conditions of the GP-0-10-001. Furthermore, I understand that certifying false, incorrect or inaccurate information is a violation of this permit and the laws of the State of New York and could subject me to criminal, civil and/or administrative proceedings.

First Name

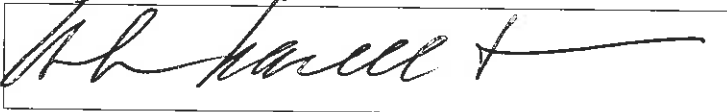
J O H N

MI

Last Name

K A R E L L

Signature



Date

0 4 / 0 1 / 2 0 1 5

25. Has a construction sequence schedule for the planned management practices been prepared?  Yes  No

26. Select all of the erosion and sediment control practices that will be employed on the project site:

Temporary Structural

- Check Dams
- Construction Road Stabilization
- Dust Control
- Earth Dike
- Level Spreader
- Perimeter Dike/Swale
- Pipe Slope Drain
- Portable Sediment Tank
- Rock Dam
- Sediment Basin
- Sediment Traps
- Silt Fence
- Stabilized Construction Entrance
- Storm Drain Inlet Protection
- Straw/Hay Bale Dike
- Temporary Access Waterway Crossing
- Temporary Stormdrain Diversion
- Temporary Swale
- Turbidity Curtain
- Water bars

Biotechnical

- Brush Matting
- Wattling

Vegetative Measures

- Brush Matting
- Dune Stabilization
- Grassed Waterway
- Mulching
- Protecting Vegetation
- Recreation Area Improvement
- Seeding
- Sodding
- Straw/Hay Bale Dike
- Streambank Protection
- Temporary Swale
- Topsoiling
- Vegetating Waterways

Permanent Structural

- Debris Basin
- Diversion
- Grade Stabilization Structure
- Land Grading
- Lined Waterway (Rock)
- Paved Channel (Concrete)
- Paved Flume
- Retaining Wall
- Riprap Slope Protection
- Rock Outlet Protection
- Streambank Protection

Other


Post-construction Stormwater Management Practice (SMP) Requirements

**Important: Completion of Questions 27-39 is not required if response to Question 22 is No.**

27. Identify all site planning practices that were used to prepare the final site plan/layout for the project.

- Preservation of Undisturbed Areas
- Preservation of Buffers
- Reduction of Clearing and Grading
- Locating Development in Less Sensitive Areas
- Roadway Reduction
- Sidewalk Reduction
- Driveway Reduction
- Cul-de-sac Reduction
- Building Footprint Reduction
- Parking Reduction

27a. Indicate which of the following soil restoration criteria was used to address the requirements in Section 5.1.6 ("Soil Restoration") of the Design Manual (2010 version).

- All disturbed areas will be restored in accordance with the Soil Restoration requirements in Table 5.3 of the Design Manual (see page 5-22).
- Compacted areas were considered as impervious cover when calculating the **WQv Required**, and the compacted areas were assigned a post-construction Hydrologic Soil Group (HSG) designation that is one level less permeable than existing conditions for the hydrology analysis.

28. Provide the total Water Quality Volume (WQv) required for this project (based on final site plan/layout).

**Total WQv Required**

.     acre-feet

29. Identify the RR techniques (Area Reduction), RR techniques (Volume Reduction) and Standard SMPs with RRv Capacity in Table 1 (See Page 9) that were used to reduce the Total WQv Required (#28).

Also, provide in Table 1 the total impervious area that contributes runoff to each technique/practice selected. For the Area Reduction Techniques, provide the total contributing area (includes pervious area) and, if applicable, the total impervious area that contributes runoff to the technique/practice.

**Note:** Redevelopment projects shall use Tables 1 and 2 to identify the SMPs used to treat and/or reduce the WQv required. If runoff reduction techniques will not be used to reduce the required WQv, skip to question 33a after identifying the SMPs.

Table 1 - Runoff Reduction (RR) Techniques and Standard Stormwater Management Practices (SMPs)

<u>RR Techniques (Area Reduction)</u>	<u>Total Contributing Area (acres)</u>		<u>Total Contributing Impervious Area (acres)</u>		
<input type="radio"/> Conservation of Natural Areas (RR-1) ...	<input type="text"/>	<input type="text"/>	and/or	<input type="text"/>	<input type="text"/>
<input type="radio"/> Sheetflow to Riparian Buffers/Filters Strips (RR-2) .....	<input type="text"/>	<input type="text"/>	and/or	<input type="text"/>	<input type="text"/>
<input type="radio"/> Tree Planting/Tree Pit (RR-3) .....	<input type="text"/>	<input type="text"/>	and/or	<input type="text"/>	<input type="text"/>
<input type="radio"/> Disconnection of Rooftop Runoff (RR-4) ..	<input type="text"/>	<input type="text"/>	and/or	<input type="text"/>	<input type="text"/>

RR Techniques (Volume Reduction)

<input type="radio"/> Vegetated Swale (RR-5) .....	<input type="text"/>	<input type="text"/>
<input type="radio"/> Rain Garden (RR-6) .....	<input type="text"/>	<input type="text"/>
<input type="radio"/> Stormwater Planter (RR-7) .....	<input type="text"/>	<input type="text"/>
<input type="radio"/> Rain Barrel/Cistern (RR-8) .....	<input type="text"/>	<input type="text"/>
<input type="radio"/> Porous Pavement (RR-9) .....	<input type="text"/>	<input type="text"/>
<input type="radio"/> Green Roof (RR-10) .....	<input type="text"/>	<input type="text"/>

Standard SMPs with RRv Capacity

<input type="radio"/> Infiltration Trench (I-1) .....	<input type="text"/>	<input type="text"/>
<input type="radio"/> Infiltration Basin (I-2) .....	<input type="text"/>	<input type="text"/>
<input type="radio"/> Dry Well (I-3) .....	<input type="text"/>	<input type="text"/>
<input type="radio"/> Underground Infiltration System (I-4) .....	<input type="text"/>	<input type="text"/>
<input type="radio"/> Bioretention (F-5) .....	<input type="text"/>	<input type="text"/>
<input type="radio"/> Dry Swale (O-1) .....	<input type="text"/>	<input type="text"/>

Standard SMPs

<input type="radio"/> Micropool Extended Detention (P-1) .....	<input type="text"/>	<input type="text"/>
<input type="radio"/> Wet Pond (P-2) .....	<input type="text"/>	<input type="text"/>
<input type="radio"/> Wet Extended Detention (P-3) .....	<input type="text"/>	<input type="text"/>
<input type="radio"/> Multiple Pond System (P-4) .....	<input type="text"/>	<input type="text"/>
<input type="radio"/> Pocket Pond (P-5) .....	<input type="text"/>	<input type="text"/>
<input type="radio"/> Surface Sand Filter (F-1) .....	<input type="text"/>	<input type="text"/>
<input type="radio"/> Underground Sand Filter (F-2) .....	<input type="text"/>	<input type="text"/>
<input type="radio"/> Perimeter Sand Filter (F-3) .....	<input type="text"/>	<input type="text"/>
<input type="radio"/> Organic Filter (F-4) .....	<input type="text"/>	<input type="text"/>
<input type="radio"/> Shallow Wetland (W-1) .....	<input type="text"/>	<input type="text"/>
<input type="radio"/> Extended Detention Wetland (W-2) .....	<input type="text"/>	<input type="text"/>
<input type="radio"/> Pond/Wetland System (W-3) .....	<input type="text"/>	<input type="text"/>
<input type="radio"/> Pocket Wetland (W-4) .....	<input type="text"/>	<input type="text"/>
<input type="radio"/> Wet Swale (O-2) .....	<input type="text"/>	<input type="text"/>



33. Identify the Standard SMPs in Table 1 and, if applicable, the Alternative SMPs in Table 2 that were used to treat the remaining total WQv(=Total WQv Required in 28 - Total RRv Provided in 30).

Also, provide in Table 1 and 2 the total impervious area that contributes runoff to each practice selected.

**Note:** Use Tables 1 and 2 to identify the SMPs used on Redevelopment projects.

- 33a. Indicate the Total WQv provided (i.e. WQv treated) by the SMPs identified in question #33 and Standard SMPs with RRv Capacity identified in question 29.

WQv Provided  
   .    acre-feet

**Note:** For the standard SMPs with RRv capacity, the WQv provided by each practice = the WQv calculated using the contributing drainage area to the practice - RRv provided by the practice. (See Table 3.5 in Design Manual)

34. Provide the sum of the Total RRv provided (#30) and the WQv provided (#33a).

.

35. Is the sum of the RRv provided (#30) and the WQv provided (#33a) greater than or equal to the total WQv required (#23)?  Yes  No

If Yes, go to question 36.

If No, sizing criteria has not been met, so NOI can not be processed. SWPPP preparer must modify design to meet sizing criteria.

36. Provide the total Channel Protection Storage Volume (CPv) required and provided or select waiver (36a), if applicable.

CPv Required  
   .    acre-feet

CPv Provided  
   .    acre-feet

- 36a. The need to provide channel protection has been waived because:

- Site discharges directly to tidal waters or a fifth order or larger stream.
- Reduction of the total CPv is achieved on site through runoff reduction techniques or infiltration systems.

37. Provide the Overbank Flood (Qp) and Extreme Flood (Qf) control criteria or select waiver (37a), if applicable.

Total Overbank Flood Control Criteria (Qp)

Pre-Development  
   .    CFS

Post-development  
   .    CFS

Total Extreme Flood Control Criteria (Qf)

Pre-Development  
   .    CFS

Post-development  
   .    CFS







### Owner/Operator Certification

I have read or been advised of the permit conditions and believe that I understand them. I also understand that, under the terms of the permit, there may be reporting requirements. I hereby certify that this document and the corresponding documents were prepared under my direction or supervision. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further understand that coverage under the general permit will be identified in the acknowledgment that I will receive as a result of submitting this NOI and can be as long as sixty (60) business days as provided for in the general permit. I also understand that, by submitting this NOI, I am acknowledging that the SWPPP has been developed and will be implemented as the first element of construction, and agreeing to comply with all the terms and conditions of the general permit for which this NOI is being submitted.

Print First Name

L O U I S

MI

Print Last Name

P A N N Y

Owner/Operator Signature



Date

0 4 / 0 1 / 2 0 1 5



April 21, 2104  
Stormwater Pollution Prevention Plan Outline

SWPPP Preparer Certification

- Also located in the NOI

"I hereby certify that the Stormwater Pollution Prevention Plan (SWPPP) for this project has been prepared in accordance with the terms and conditions of the GP-0-10-001. Furthermore, I understand that certifying false, incorrect or inaccurate information is a violation of this permit and the laws of the State of New York and could subject me to criminal, civil and/or administrative proceedings."

Name: \_\_\_\_\_

Company: \_\_\_\_\_

Telephone: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

**Contractor and Sub-Contractor Certification**

The following certification, applicable to either contractors or subcontractors, is in accordance with the requirements of the current New York State Department of Environmental Conservation SPDES General Permit for Stormwater Discharges from Construction Activity (Permit No. GP-0-10-001).

"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 stormwater 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."

**Signee**

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

**Areas/Contract under SWPPP Contractor Responsible for**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Trained Individual/Contractor**

Name: \_\_\_\_\_

Title: \_\_\_\_\_

**Site Information**

Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Telephone: \_\_\_\_\_

**Firm Information**

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone \_\_\_\_\_

ROBERT LAGA  
Chairman

ANTHONY DUSOVIC  
Vice Chair

ROSE TROMBETTA  
Secretary

DAVID KLOTZLE  
Wetland Inspector

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  
Marc Pekowsky  
Vincent Turano  
Nicholas Fannin  
John Starace

APPLICATION FOR WETLAND PERMIT OR LETTER OF PERMISSION

Name of Applicant: EFRAIM & AIDA ROA

Address of Applicant: 17 CAROLE PLACE Email: MICHAEL@M.PICCIRILLOARCHITECT.COM  
MAHOPAC

Telephone# 914 368 9838 Name and Address of Owner if different from Applicant:

CONTACT INFORMATION: PROJECT ARCHITECT

Property Address: 41 AVERILL DRIVE Tax Map # 64.16-1-33

Agency Submitting Application if Applicable: NA

Location of Wetland: LAKE MAHOPAC

Size of Work Section & Specific Location: SEE ATTACHED

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).

RENOVATION OF EXISTING RESIDENCE . CONSTRUCTION OF NEW

PATIOS , SWIMMING POOL (IN GROUND) AND WALKS

Proposed Start Date: \_\_\_\_\_ Anticipated Completion Date: \_\_\_\_\_ Fee Paid \$500.00

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.

[Signature]  
SIGNATURE

5-19-15  
DATE

617.20  
Appendix B  
Short Environmental Assessment Form

**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.

<b>Part 1 - Project and Sponsor Information</b>			
Name of Action or Project: <b>KOA RESIDENCE</b>			
Project Location (describe, and attach a location map): <b>14 AVERILL DRIVE MAHOPAC, NY</b>			
Brief Description of Proposed Action: <b>PROP. RENOVATION TO AN EXISTING RESIDENCE. CONSTRUCTION OF NEW PATIOS, BUILT-IN SWIMMING POOL AND WALKS</b>			
Name of Applicant or Sponsor: <b>MICHAEL PICCIRILLO</b>		Telephone: <b>914 368 9838</b>	
		E-Mail: <b>MICHAEL@M.PICCIRILLOARCHITECT.COM</b>	
Address: <b>110 962 EAST MAIN ST</b>			
City/PO: <b>SHRUB OAK</b>		State: <b>NY</b>	Zip Code: <b>10588</b>
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  YES
			✓
2. Does the proposed action require a permit, approval or funding from any other governmental Agency? If Yes, list agency(s) name and permit or approval:			NO  YES
			✓
3.a. Total acreage of the site of the proposed action?		<b>0.416</b> acres	
b. Total acreage to be physically disturbed?		_____ acres	
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor?		<b>0.416</b> acres	
4. Check all land uses that occur on, adjoining and near the proposed action.			
<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
		✓	
b. Consistent with the adopted comprehensive plan?		✓	
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?	NO	YES	
	✓		
b. Are public transportation service(s) available at or near the site of the proposed action?		✓	
c. Are any pedestrian accommodations or bicycle routes available on or near site of the proposed action?		✓	
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: <u>ON SITE SEPTIC</u>	NO	YES	
	✓		
12. a. Does the site contain a structure that is listed on either the State or National Register of Historic Places?	NO	YES	
	✓		
b. Is the proposed action located in an archeological sensitive area?			
13. a. Does any portion of the site of the proposed action, or lands adjoining the proposed action, contain wetlands or other waterbodies regulated by a federal, state or local agency?	NO	YES	
		✓	
b. Would the proposed action physically alter, or encroach into, any existing wetland or waterbody? If Yes, identify the wetland or waterbody and extent of alterations in square feet or acres: _____ _____		✓	
14. Identify the typical habitat types that occur on, or are likely to be found on the project site. Check all that apply: <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	
	✓		
16. Is the project site located in the 100 year flood plain?	NO	YES	
	✓		
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? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	NO	YES	
		✓	
b. Will storm water discharges be directed to established conveyance systems (runoff and storm drains)? If Yes, briefly describe: <u>ON-SITE INFILTRATION SYSTEM</u>			
		<input type="checkbox"/> NO <input checked="" type="checkbox"/> YES	

18. Does the proposed action include construction or other activities that result in the impoundment of water or other liquids (e.g. retention pond, waste lagoon, dam)? If Yes, explain purpose and size: _____	NO	YES
_____	✓	
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: _____	NO	YES
_____	✓	
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: _____	NO	YES
_____	✓	
<b>I AFFIRM THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE</b>		
Applicant/sponsor name: <u>MAP ARCHITECTURE</u>		Date: <u>5-19-15</u>
Signature: <u>[Signature]</u>		

**Part 2 - Impact Assessment.** The Lead Agency is responsible for the completion of Part 2. Answer all of the following questions in Part 2 using the information contained in Part 1 and other materials submitted by the project sponsor or otherwise available to the reviewer. When answering the questions the reviewer should be guided by the concept "Have my responses been reasonable considering the scale and context of the proposed action?"

	No, or small impact may occur	Moderate to large impact may occur
1. Will the proposed action create a material conflict with an adopted land use plan or zoning regulations?		
2. Will the proposed action result in a change in the use or intensity of use of land?		
3. Will the proposed action impair the character or quality of the existing community?		
4. Will the proposed action have an impact on the environmental characteristics that caused the establishment of a Critical Environmental Area (CEA)?		
5. Will the proposed action result in an adverse change in the existing level of traffic or affect existing infrastructure for mass transit, biking or walkway?		
6. Will the proposed action cause an increase in the use of energy and it fails to incorporate reasonably available energy conservation or renewable energy opportunities?		
7. Will the proposed action impact existing: a. public / private water supplies? b. public / private wastewater treatment utilities?		
8. Will the proposed action impair the character or quality of important historic, archaeological, architectural or aesthetic resources?		
9. Will the proposed action result in an adverse change to natural resources (e.g., wetlands, waterbodies, groundwater, air quality, flora and fauna)?		



	No, or small impact may occur	Moderate to large impact may occur
10. Will the proposed action result in an increase in the potential for erosion, flooding or drainage problems?		
11. Will the proposed action create a hazard to environmental resources or human health?		

**Part 3 - Determination of significance. The Lead Agency is responsible for the completion of Part 3.** For every question in Part 2 that was answered "moderate to large impact may occur", or if there is a need to explain why a particular element of the proposed action may or will not result in a significant adverse environmental impact, please complete Part 3. Part 3 should, in sufficient detail, identify the impact, including any measures or design elements that have been included by the project sponsor to avoid or reduce impacts. Part 3 should also explain how the lead agency determined that the impact may or will not be significant. Each potential impact should be assessed considering its setting, probability of occurring, duration, irreversibility, geographic scope and magnitude. Also consider the potential for short-term, long-term and cumulative impacts.

<input type="checkbox"/> Check this box if you have determined, based on the information and analysis above, and any supporting documentation, that the proposed action may result in one or more potentially large or significant adverse impacts and an environmental impact statement is required.	
<input type="checkbox"/> Check this box if you have determined, based on the information and analysis above, and any supporting documentation, that the proposed action will not result in any significant adverse environmental impacts.	
_____	_____
Name of Lead Agency	Date
_____	_____
Print or Type Name of Responsible Officer in Lead Agency	Title of Responsible Officer
_____	_____
Signature of Responsible Officer in Lead Agency	Signature of Preparer (if different from Responsible Officer)

# NATHANIEL J. HOLT, PE

---

dan@holtengineering.net

May 15, 2015

## Narrative

Roa Wetland Permit Application  
41 Averill Drive  
Mahopac, NY  
Map #64.16-1-33

## Purpose

This narrative has been prepared as an addendum to an Application for Wetland Permit associated with the above referenced property. In addition, this narrative will discuss the proposed activities associated with the proposed renovation and improvements to the existing residence and grounds along with the mitigative measures that will be implemented to control stormwater runoff.

As is typical with many residences and properties which enjoy the proximity to Lake Mahopac, much of the site (51%) is located within one hundred feet of the lake edge, thereby requiring a permit to undertake virtually any sort of renovation to the home or site improvements.

For the purposes of this application, none of the proposed improvements to the residence require a wetland permit; rather it is the construction of the site improvements such as the swimming pool, the rear terrace, patios and walks that are located within the regulated wetland setback.

No activities are proposed within Lake Mahopac.

## Scope

The subject property is approximately 18,100 square feet in area, with roadway frontage on Averill Drive; with the rear of the site on Lake Mahopac. At the present time development of the property consists of an approximately 2,663 square foot single family residence, an access driveway, patios, walks and a dock on Lake Mahopac; approximately 27% of the site is considered impervious. The property is serviced by a public water main. The on-site sewage disposal system (septic) is located in the entire front yard of the property.

The new owners of the property intend to undertake a number of improvements and upgrades to the house and grounds, in general the foot print of the house will increase to approximately 4,148 square feet and the driveway widened to accommodate a two car garage. Other improvements to the residence include the construction of a porch which faces Lake Mahopac. In addition, a terrace, pool/patio will be constructed in the rear of the home. Existing walks in the rear yard will be removed and new walks constructed to accommodate the site improvements. As proposed, the improvements to the property will increase the impervious area to approximately 45% of the site.

To address the increase in runoff associated with the increase in impervious surfaces, the applicant will construct a stormwater mitigation system consisting of infiltration devices which have been designed to accommodate the 25 year storm event. Alternative methods of mitigation, such as a rain garden, have been considered, however, due to the topography of the site (particularly between the house and the lake), are not conducive to such methods.

### **Proposed Construction Activities**

As noted above, the improvements to the property are those associated with the renovation of the home and the construction of several site related upgrades. A description of each of those items are discussed below.

### **Proposed Renovations**

For the purposes of this application, none of the proposed renovations to the residence require the issuance of a wetland permit as they all fall outside the regulated wetland buffer. However, the proposed construction of a porch which will be connected to the rear of the home and replaces an existing smaller raised deck in the same location is within the setback.

The size of the proposed porch is approximately 392 square feet in area.

### **Proposed Site Improvements**

With the exception of a small portion of the proposed walk along the northerly property line and the minor widening of the driveway, all of the site improvements will occur within the regulated wetland setback. Those improvements include:

- a 510 square foot patio, which is immediately adjacent to the proposed porch
- a proposed 1,295 square pool with patio
- a 103 square foot patio associated with the walk out basement to the residence
- 600 square feet of walks which will connect the front of the property to the patios, and existing dock.

## **Stormwater Mitigation**

At the present time, there is no stormwater system associated with the property, therefore all runoff flows directly into Lake Mahopac. As required by the Town of Carmel, the applicant is required to mitigate the stormwater runoff associated with the increase in impervious area such that the entire 25 year storm event is stormwater runoff is captured and treated.

As proposed, there will be an increase in impervious area totaling 3,310 sf. Analysis revealed that this increase in impervious area results in a total volume of 694 cf of stormwater runoff. The selected form of mitigation is through infiltration, which will consist of a total of 10 Cultec Model #330 HDXL which has a capacity of 735.8 cubic feet or an additional capacity of 41.8 cf (313 gallons). Drain inlets collect runoff from the improvements and pipes carry the stormwater to the proposed infiltration system. For those instances when the storm event exceeds that of the capacity of the infiltration system each down spout is fitted with a "surcharge protector". The function of the surge protector is to allow water to by pass the infiltration system and spill out onto the ground where it can be infiltrated into the surface or filtered before reaching the lake.

## Design Considerations

It is acknowledged that the preferred method of treatment is the "rain garden". However in accordance with the NYSDEC "Stormwater Design Manual" the rain garden should be located on relatively flat or level ground. With the exception of the front yard area of the property, the gradient of the site is approximately on average 8.3%, with the grade closer to the Lake in excess of 10%. As noted above, the flattest area on the property is in the front yard, however this area is the location of the existing subsurface sewage disposal system.

## **Sediment and Erosion Control**

A sediment and erosion control plan in conformance with "Best Management Practices" has been incorporated into the Site Development Plans. More importantly perhaps is that the extent of the disturbance on the property is confined to specific areas, the construction activities of which are not dependent upon one another. That is the pool and patio can be constructed as one operation, the porch and terrace as a separate operation, etc. Similarly, the renovations to the house occur in areas that are currently developed with existing patios or terraces.

Site excavation and grading operations are also limited to that which is required to the proposed improvements; that is no overall site re-grading operations are required to complete the proposed plan. As such, after each improvement is completed, the area can be topsoiled and seeded to begin stabilization immediately.

*Roa Residence  
May 15, 2015  
Page 4*

## **Conclusion**

Under the existing conditions, the 18,000 square foot property is 27% impervious and all stormwater runoff flows into Lake Mahopac uncontrolled and untreated. As planned all existing and proposed improvements will be intercepted and diverted into the infiltration system for the most frequently occurring storms (up to and including the 25 year event). In addition, the drain inlets, junction boxes and infiltration units will also intercept silts and other materials associated with runoff thereby preventing the debris from reaching the lake. The end result is that the amount of untreated runoff currently flowing into Lake Mahopac will be reduced along with those new impervious surfaces associated with the proposed plan.

Respectfully submitted,

Nathaniel J. Holt, P.E.

cc: Efraim Roa  
Vlad Levin

# NATHANIEL J. HOLT, PE

---

dan@holtengineering.net

Construction Sequencing Narrative  
Roa Property  
41 Averill Drive  
Mahopac, NY  
Map # 64.16-1-33

## Week 1 through 4

Install erosion control measures

Demolish existing improvements.

Strip and store topsoil. Topsoil shall not be stored over the existing sewage disposal system or the proposed infiltration system.

Utilize existing driveway for construction access. Contractor to protect portion of existing septic system under the driveway with a layer of crushed stone.

Establish construction road to rear of the property along the northerly property line. Non construction equipment shall be permitted to park on or drive over the septic system's absorption area.

## Week 5 through 9

Construct footings

Initiate construction of foundation walls

## Week 10 and 12

Install footing drains, backfill foundation walls as soon as practical. Construct drainage system across the front of the residence

## Week 13 through 16

Commence with construction of renovations to the residence

Construct rear porch

Extend drainage system into rear yard

Restore front yard lawn area, establish seed for stabilization.

**Week 17 through 19**

Begin construction of the swimming pool and patio

Continue with renovations to the house

**Week 20 through 17**

Complete construction of rear porch.

Initiate Building Siding, install roof gutters and leaders, connect to drainage system.

Topsoil and seed disturbed area on southerly side of house.

Continue with pool construction

**Week 18 thorough 24**

Complete pool construction

Commence with construction of upper patio and patio at basement

Install infiltration units, connect drainage system to the units.

Install new walks and retaining wall along the westerly side of the garage, fine grade disturbed areas with topsoil and grass seed

Replace/repair damaged walks, retaining walls and other site improvements as required and/or as directed by the owner

Install roof gutters along front of house

Finalize building construction (interior and exterior)

**Week 25 - 30**

Complete patio construction.

Complete roof system on rear of house

Install gutters and leaders along rear of house, connect to infiltration system.

Spread topsoil and seed disturbed areas.

Do not remove erosion controls until 75% of the disturbed areas have become germinated.

### **Week 31 - 36**

Construct new walks

Remove construction access along northern property line.

Construct remaining sidewalk and steps to driveway.

Remove construction materials, tools and equipment.

Remove erosion control measures

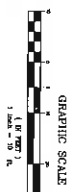
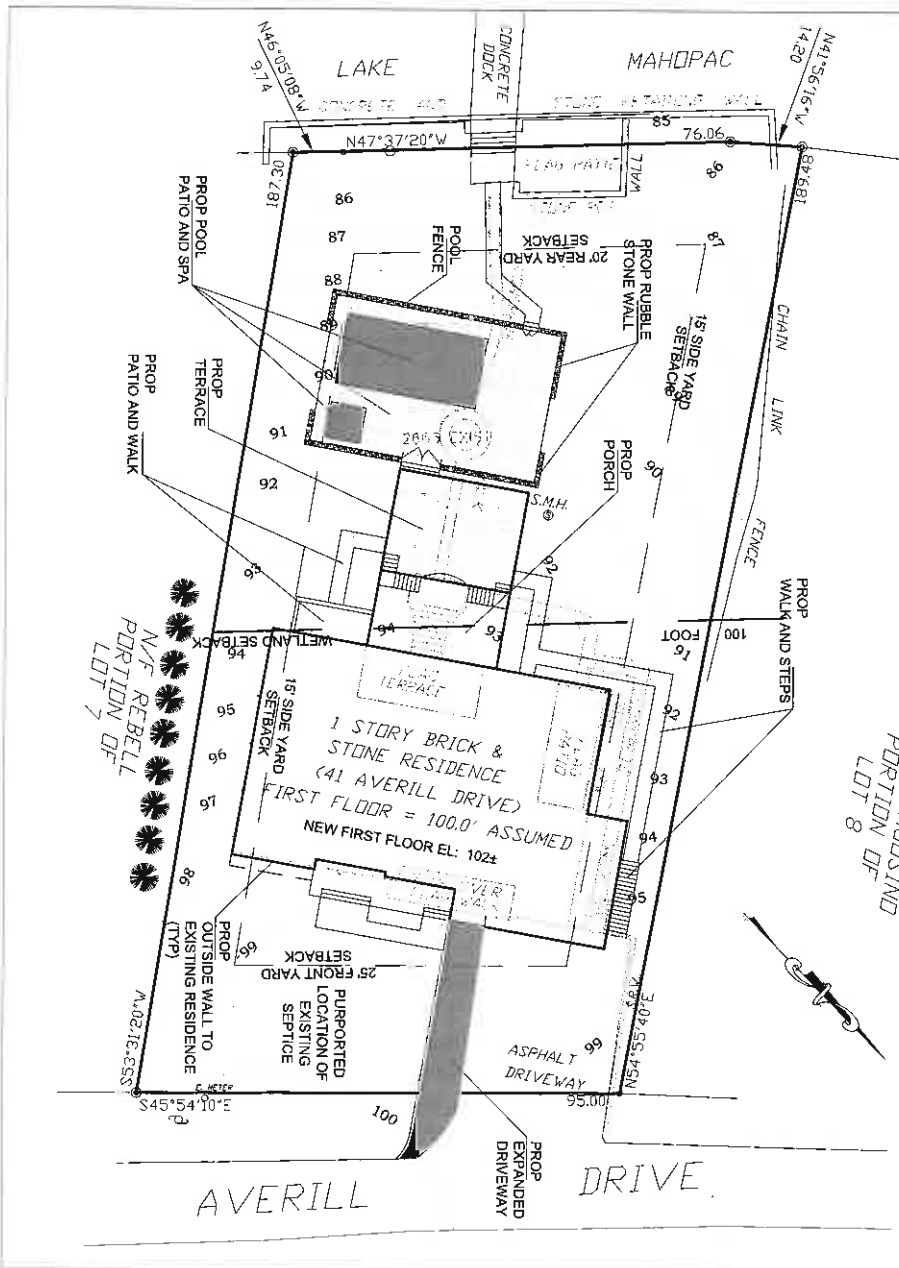
General Site Cleanup

Pave driveway





- NOTES**
1. EROSION CONTROL MEASURES SHALL BE INSTALLED, MAINTAINED AND MONITORED THROUGHOUT THE WORK PERIODS AS PER THE PLAN AND SPECIFICATIONS. THE WORK SHALL BE COMPLETED AND THE EROSION CONTROL MEASURES REMOVED AND RESTORATION COMPLETED AS SHOWN AS SOON AS PRACTICABLE AFTER COMPLETION OF THE WORK.
  2. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION (DEC) REGULATIONS AND THE NYS DEPARTMENT OF TRANSPORTATION AND PLANNING (DOT) REGULATIONS.
  3. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION (DEC) REGULATIONS AND THE NYS DEPARTMENT OF TRANSPORTATION AND PLANNING (DOT) REGULATIONS.
  4. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION (DEC) REGULATIONS AND THE NYS DEPARTMENT OF TRANSPORTATION AND PLANNING (DOT) REGULATIONS.
  5. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION (DEC) REGULATIONS AND THE NYS DEPARTMENT OF TRANSPORTATION AND PLANNING (DOT) REGULATIONS.
  6. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION (DEC) REGULATIONS AND THE NYS DEPARTMENT OF TRANSPORTATION AND PLANNING (DOT) REGULATIONS.
  7. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION (DEC) REGULATIONS AND THE NYS DEPARTMENT OF TRANSPORTATION AND PLANNING (DOT) REGULATIONS.
  8. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION (DEC) REGULATIONS AND THE NYS DEPARTMENT OF TRANSPORTATION AND PLANNING (DOT) REGULATIONS.
  9. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION (DEC) REGULATIONS AND THE NYS DEPARTMENT OF TRANSPORTATION AND PLANNING (DOT) REGULATIONS.
  10. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION (DEC) REGULATIONS AND THE NYS DEPARTMENT OF TRANSPORTATION AND PLANNING (DOT) REGULATIONS.
  11. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION (DEC) REGULATIONS AND THE NYS DEPARTMENT OF TRANSPORTATION AND PLANNING (DOT) REGULATIONS.
  12. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION (DEC) REGULATIONS AND THE NYS DEPARTMENT OF TRANSPORTATION AND PLANNING (DOT) REGULATIONS.



Copyright © 2014 Nathaniel J. Holt, P.E. All rights reserved. No part of this document may be reproduced without the prior written permission of Nathaniel J. Holt, P.E.

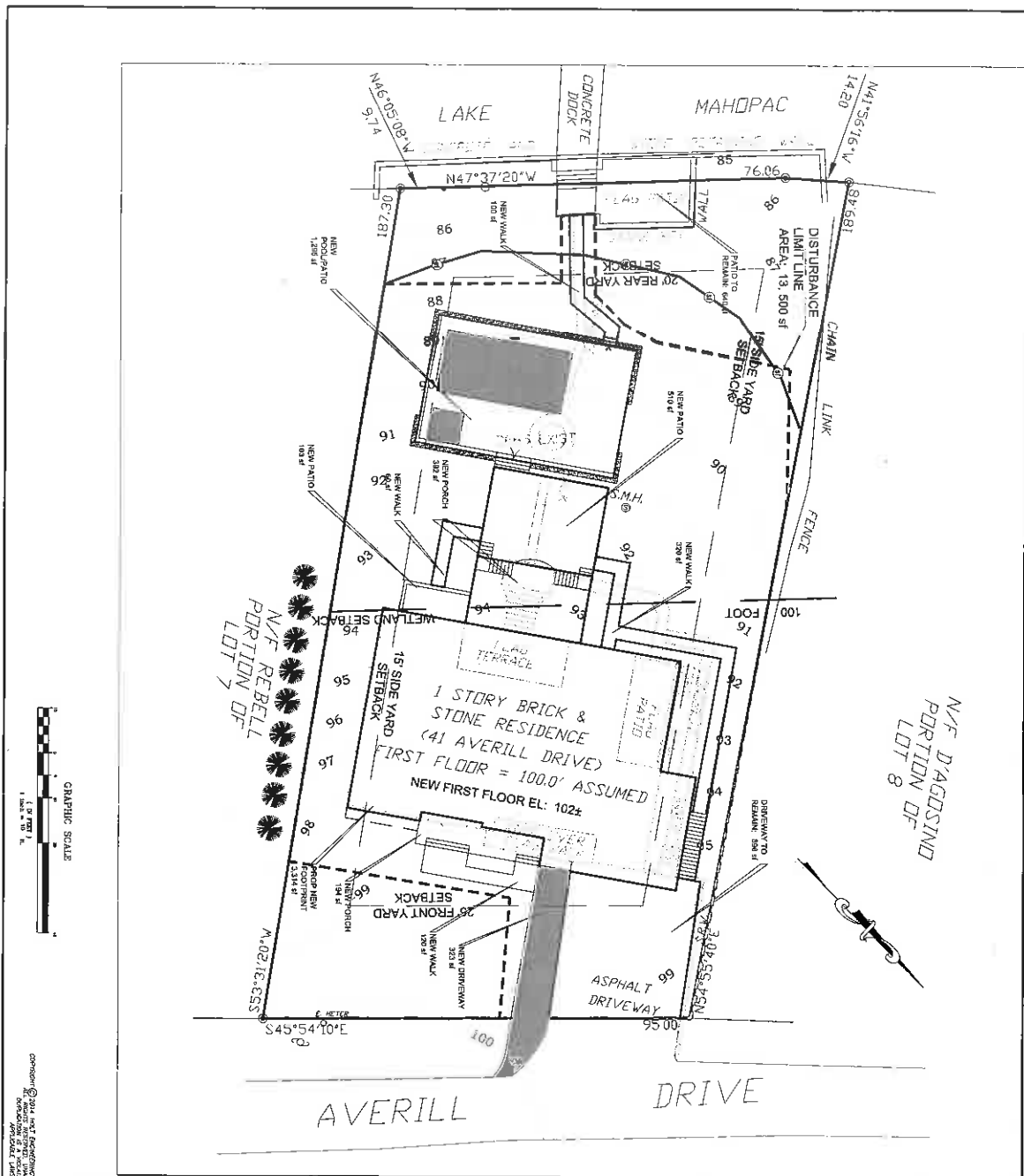
**ROA RESIDENCE RENOVATIONS**  
 41 AVERILL ROAD MAHOPAC, N.Y. 10561

**SITE PLAN and HYDROLOGY PLAN**

**NATHANIEL J. HOLT, P.E.**  
 592 ROUTE 22 PAWLING, NEW YORK 12564  
 (514) 760-1800

Nathaniel J. Holt, P.E.  
  
 Original Date: MAY 10, 2011  
 PROJECT: PIC-ROA

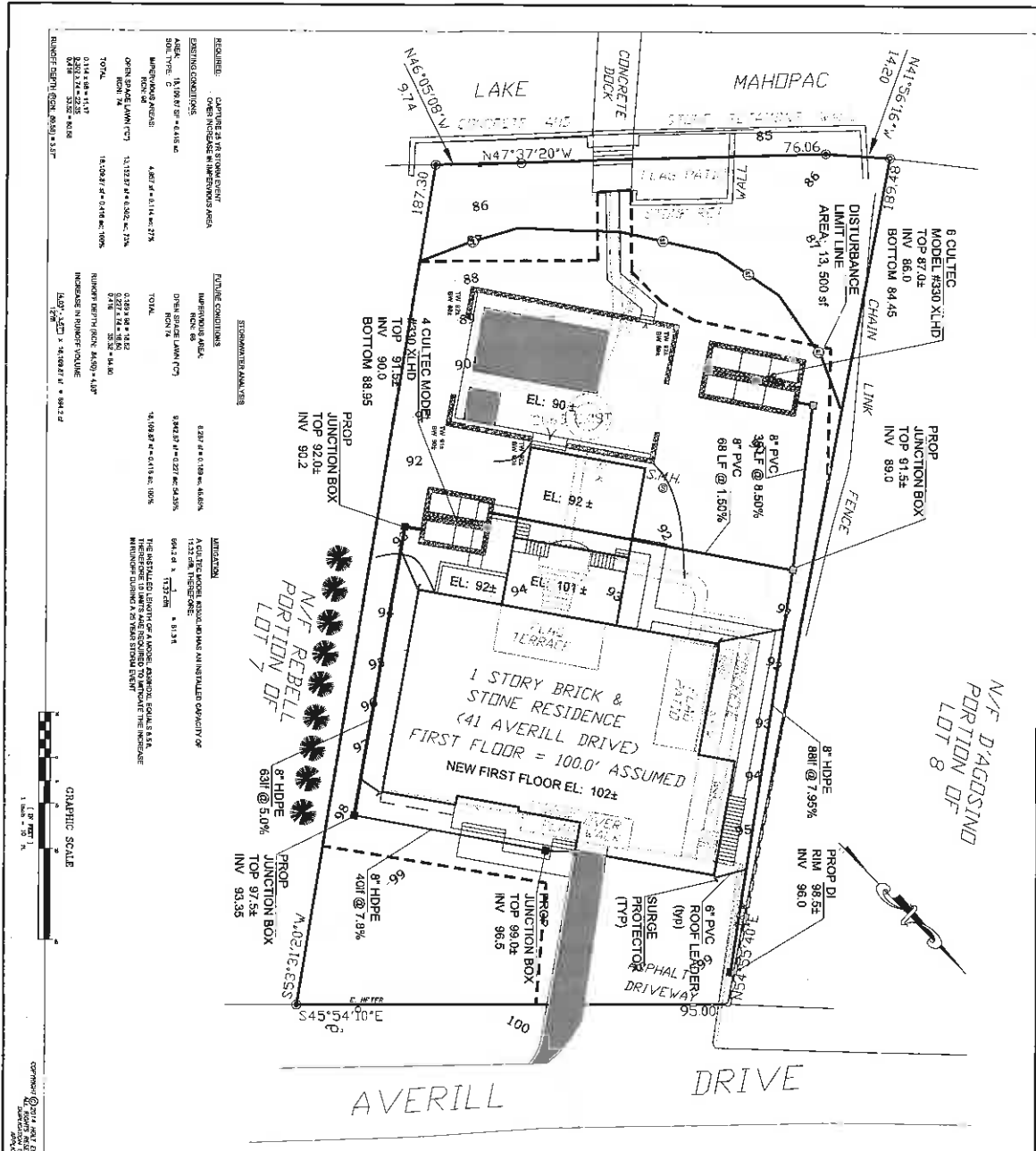
SHEET: **2** OF **5**



**NOTES**

1. EXISTING CONDITIONS SHOWN ARE FOR INFORMATION ONLY. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS PRIOR TO CONSTRUCTION.
2. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NEW YORK STATE AND LOCAL CODES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.
4. ANY CHANGES TO THE PLAN SHALL BE MADE BY A REVISION SHEET.
5. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES AND STRUCTURES.
7. THE CONTRACTOR SHALL MAINTAIN THE SITE IN A SAFE AND SOUND CONDITION AT ALL TIMES.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL DEBRIS AND WASTE MATERIALS FROM THE SITE.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL ADJACENT PROPERTIES AND THE ENVIRONMENT.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL ADJACENT PROPERTIES AND THE ENVIRONMENT.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.

<p><b>ROA RESIDENCE RENOVATIONS</b> 41 AVERILL ROAD MAHOPAC, N.Y. 10561</p>	<p><b>HYDROLOGY (FUTURE) PLAN</b></p>	<p><b>NATHANIEL J. HOLT, P.E.</b> 592 ROUTE 22 PAWLING, NEW YORK 12564 (914) 760-1800</p>	<p>Nathaniel J. Holt, P.E. Professional Engineer Original Date: MAY 10, 2015 PROJECT: PIC-ROA</p> <p>SHEET: <b>3</b> OF 5</p>
---	---------------------------------------	---	---



**REQUIREMENTS:** CAPTURE 24 HOURS OF RAIN OVER INCORPORATED IMPERVIOUS AREA

**EXISTING CONDITIONS:** ADEQUATE 18" DIA. 8" PVC PIPE

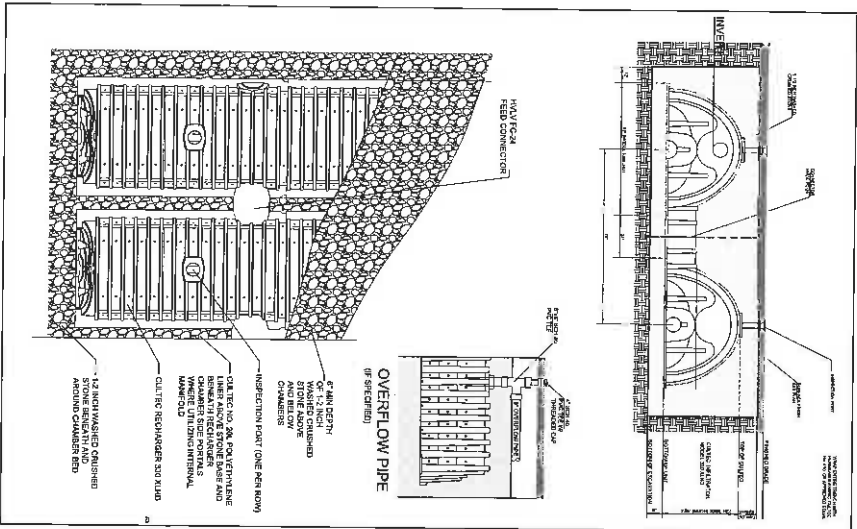
**MITIGATION:** 1. 4" CONCRETE DECK WITH 1/2" REBAR AND 1" SAND FILL. 2. 4" CONCRETE DECK WITH 1/2" REBAR AND 1" SAND FILL. 3. 4" CONCRETE DECK WITH 1/2" REBAR AND 1" SAND FILL.

**STORMWATER ANALYSIS:** 1. 4" CONCRETE DECK WITH 1/2" REBAR AND 1" SAND FILL. 2. 4" CONCRETE DECK WITH 1/2" REBAR AND 1" SAND FILL. 3. 4" CONCRETE DECK WITH 1/2" REBAR AND 1" SAND FILL.

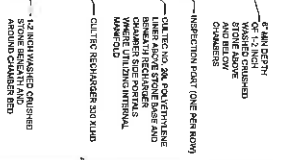
**LEGEND:** 1. 4" CONCRETE DECK WITH 1/2" REBAR AND 1" SAND FILL. 2. 4" CONCRETE DECK WITH 1/2" REBAR AND 1" SAND FILL. 3. 4" CONCRETE DECK WITH 1/2" REBAR AND 1" SAND FILL.

<p><b>ROA RESIDENCE RENOVATIONS</b> 41 AVERILL ROAD MAHOPAC, N.Y. 10561</p>	<p><b>STORMWATER MITIGATION PLAN</b></p>	<p><b>NATHANIEL J. HOLT, P.E.</b> 592 ROUTE 22 PAWLING, NEW YORK 12564 (914) 760-1800</p>	<p><b>NOTES:</b></p> <ol style="list-style-type: none"> <li>1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION (DEC) REGULATIONS.</li> <li>2. CONSTRUCTION DISTURBANCES MUST BE MINIMIZED AND RESTORED TO ORIGINAL OR BETTER CONDITION AS SOON AS PRACTICABLE.</li> <li>3. EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED THROUGHOUT CONSTRUCTION.</li> <li>4. ALL DISTURBED AREAS SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION.</li> <li>5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.</li> <li>6. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES.</li> <li>7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.</li> <li>8. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES.</li> <li>9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.</li> <li>10. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES.</li> <li>11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.</li> <li>12. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES.</li> </ol> <p><b>GRAPHIC SCALE:</b> 1" = 20' H.</p> <p><b>DATE:</b> MAY 16, 2015</p> <p><b>PROJECT:</b> PWD-100A</p> <p><b>SHEET:</b> 4 OF 5</p>
---	--	---	--

**INFILTRATION SYSTEM**  
N15

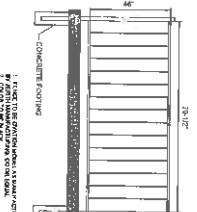


**OVERFLOW PIPE**  
N15

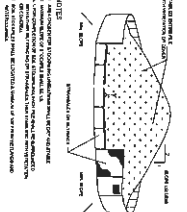


1.5" POLYPROPYLENE REINFORCING AND ARCHING CHANNEL REBARS  
FILTER FABRIC  
INSULATION  
CONCRETE SLAB

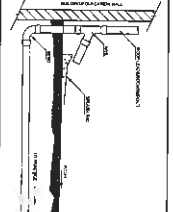
**ALUMINUM POOL FENCE**  
N15



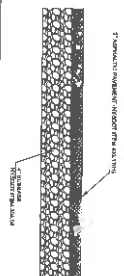
**SOIL STOCKPILING DETAIL**  
N15



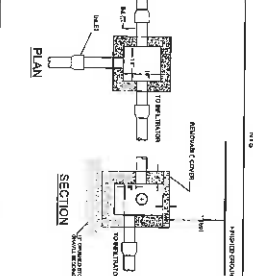
**SURCHARGE PROTECTION**  
N15



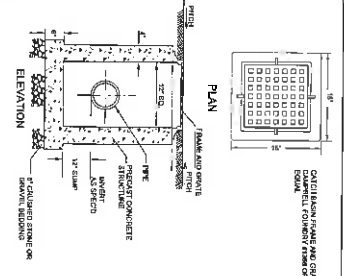
**TYPICAL PAVEMENT SECTION**  
N15



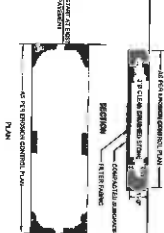
**JUNCTION BOX DETAIL**  
N15



**DRAIN INLET DETAIL**  
N15

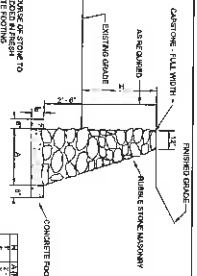


**STABILIZED CONSTRUCTION ENTRANCE**  
N15

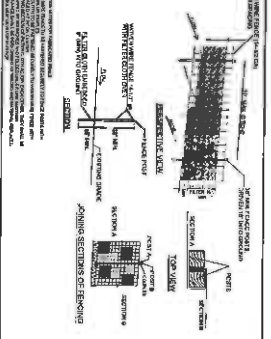


**INSTALLATION NOTES:**  
1. FORMS SHALL BE SET UP TO RECEIVE STONE OR GRANULAR CONCRETE EQUIVALENT.  
2. STABILIZED CONSTRUCTION ENTRANCE SHALL BE 4\"/>

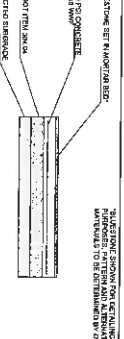
**STONE RETAINING WALL DETAIL**  
N15



**SILT FENCE**  
N15



**ALTERNATE WALKPATIO DETAIL**  
N15



**ROA RESIDENCE RENOVATIONS**  
41 AVERILL ROAD MAHOPAC, N.Y. 10561

**DETAILS**

**NATHANIEL J. HOLT, P.E.**  
592 ROUTE 22  
PAWLING, NEW YORK 12564  
(914) 760-1800



PROJECT	PKC-ROA
DATE	MAY 10, 2018
SHEET	5

5

CARL STONE  
Chairman

ROBERT LAGA  
Vice Chair

ROSE TROMBETTA  
Secretary

DAVID KLOTZLE  
Wetland Inspector

**TOWN OF CARMEL**  
**ENVIRONMENTAL CONSERVATION BOARD**



60 McAlpin Avenue  
Mahopac, New York 10541  
Tel. (845) 628-1500 - Ext. 190  
[www.carmelny.org](http://www.carmelny.org)

**BOARD MEMBERS**

Edward Barnett  
Anthony Dusovic  
Marc Pekowsky  
Vincent Turano  
Nicholas Fannin

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

Name of Applicant: EDWARD MORSE

Address of Applicant: 3 LAKESIDE Rd. Email: \_\_\_\_\_  
MAHOPAC NY 10541

Telephone# 609-251-1111 Name and Address of Owner if different from Applicant: \_\_\_\_\_

Property Address: 3 LAKESIDE Rd MAHOPAC 10541 Tax Map # 64.15-1-11

Agency Submitting Application if Applicable: \_\_\_\_\_

Location of Wetland: KIRK LAKE

Size of Work Section & Specific Location: 96 Sq. Ft. STORAGE SHED APPROX 50 FT from Shoreline.

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).

BUILDING STORAGE SHED 12'x8' WOOD STRUCTURE. Putting ON EXISTING STONE PATIO

Proposed Start Date: ASAP Anticipated Completion Date: 3 DAYS 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.

Edward C. Morse  
SIGNATURE

5/11/2015  
DATE

617.20  
Appendix B  
Short Environmental Assessment Form

**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.

<b>Part 1 - Project and Sponsor Information</b>			
Name of Action or Project: <i>STORAGE SHED 12'x8' WOODEN</i>			
Project Location (describe, and attach a location map): <i>3 LAKESIDE Rd MAHOPAC, N.Y 10541</i>			
Brief Description of Proposed Action: <i>BUILDING A 12'x8' STORAGE SHED ON EXISTING STONE PATIO.</i>			
Name of Applicant or Sponsor: <i>EDWARD MOASK</i>		Telephone: _____	
		E-Mail: _____	
Address: <i>3 LAKESIDE RD.</i>			
City/PO: <i>MAHOPAC</i>		State: <i>NY</i>	Zip Code: <i>10541</i>
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	YES
		<input checked="" type="checkbox"/>	
2. Does the proposed action require a permit, approval or funding from any other governmental Agency? If Yes, list agency(s) name and permit or approval:		NO	YES
<i>ZONING BOARD VARIANCE BUILDING DEPT PERMIT</i>			<input checked="" type="checkbox"/>
3.a. Total acreage of the site of the proposed action?		_____ acres	<i>965. FT.</i>
b. Total acreage to be physically disturbed?		<i>0</i> acres	
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor?		<i>0</i> acres	
4. Check all land uses that occur on, adjoining and near the proposed action.			
<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			





18. Does the proposed action include construction or other activities that result in the impoundment of water or other liquids (e.g. retention pond, waste lagoon, dam)? If Yes, explain purpose and size: _____	NO	YES
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: _____	NO	YES
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: _____	NO	YES

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

Applicant/sponsor name: Edmund Morse Date: 5/11/2015  
 Signature: EDWARD MORSE

**Part 2 - Impact Assessment. The Lead Agency is responsible for the completion of Part 2.** Answer all of the following questions in Part 2 using the information contained in Part 1 and other materials submitted by the project sponsor or otherwise available to the reviewer. When answering the questions the reviewer should be guided by the concept "Have my responses been reasonable considering the scale and context of the proposed action?"

	No, or small impact may occur	Moderate to large impact may occur
1. Will the proposed action create a material conflict with an adopted land use plan or zoning regulations?	✓	
2. Will the proposed action result in a change in the use or intensity of use of land?	✓	
3. Will the proposed action impair the character or quality of the existing community?	✓	
4. Will the proposed action have an impact on the environmental characteristics that caused the establishment of a Critical Environmental Area (CEA)?	✓	
5. Will the proposed action result in an adverse change in the existing level of traffic or affect existing infrastructure for mass transit, biking or walkway?	✓	
6. Will the proposed action cause an increase in the use of energy and it fails to incorporate reasonably available energy conservation or renewable energy opportunities?	✓	
7. Will the proposed action impact existing: a. public / private water supplies? b. public / private wastewater treatment utilities?	✓ ✓	
8. Will the proposed action impair the character or quality of important historic, archaeological, architectural or aesthetic resources?	✓	
9. Will the proposed action result in an adverse change to natural resources (e.g., wetlands, waterbodies, groundwater, air quality, flora and fauna)?	✓	

	No, or small impact may occur	Moderate to large impact may occur
10. Will the proposed action result in an increase in the potential for erosion, flooding or drainage problems?	✓	
11. Will the proposed action create a hazard to environmental resources or human health?	✓	

**Part 3 - Determination of significance. The Lead Agency is responsible for the completion of Part 3.** For every question in Part 2 that was answered "moderate to large impact may occur", or if there is a need to explain why a particular element of the proposed action may or will not result in a significant adverse environmental impact, please complete Part 3. Part 3 should, in sufficient detail, identify the impact, including any measures or design elements that have been included by the project sponsor to avoid or reduce impacts. Part 3 should also explain how the lead agency determined that the impact may or will not be significant. Each potential impact should be assessed considering its setting, probability of occurring, duration, irreversibility, geographic scope and magnitude. Also consider the potential for short-term, long-term and cumulative impacts.

<input type="checkbox"/> Check this box if you have determined, based on the information and analysis above, and any supporting documentation, that the proposed action may result in one or more potentially large or significant adverse impacts and an environmental impact statement is required.	
<input checked="" type="checkbox"/> Check this box if you have determined, based on the information and analysis above, and any supporting documentation, that the proposed action will not result in any significant adverse environmental impacts.	
_____ Name of Lead Agency	_____ Date
_____ Print or Type Name of Responsible Officer in Lead Agency	_____ Title of Responsible Officer
_____ Signature of Responsible Officer in Lead Agency	_____ Signature of Preparer (if different from Responsible Officer)

LAKESIDE ROAD  
(reserved)

cond. 7  
steps  
S25°49'50"W  
53.04'

macadam

N25°49'50"E  
53.20'

56.01'

macadam drive

poles hedges

pipe bed  
fence

pipe &  
stands  
120'

stone ret. wall  
stone ret. wall

LOT

generally on line 155.58'

2  
3

AREA = 8,224.418 sq ft  
or 0.19 AC.

LOT

N64°02'00"W  
148.74'

hedge row generally on line  
post & wire fence

stone wall  
stone steps

stone ret. wall

2nd sty.  
overhang

2.66'

3.00' (house)

26.30'

3.33' (house)

5.16'

pipe and  
hedge, and  
p & w fence

pipe 019'

concrete  
below deck

7'4"

55.35'

4.09' (deck)

S32°55'50"W

end wall

masonry  
walls

trash  
shed

KIRK LAKE

BOB APOLL

175 003 2 74

now formerly LE

SURVEY OF PROPERTY  
PREPARED FOR  
SHERRILL E. & NANCY MILNES

SITUATE IN THE  
TOWN OF CARMEL  
PUTNAM COUNTY  
NEW YORK  
SCALE 1" = 30'

NOTES:


1. All certifications are valid for this map and copies thereof only if said map and copies bear the impressed seal of the surveyor whose signature appears hereon.

2. Alteration of this document, except by a licensed land surveyor, is illegal.

3. This map and copies thereof are certified to the above named owners, title company and lending institution(s) shown hereon, and to those parties only.

4. Lots 1w/2 and 1/1 are as shown on map entitled "LAKE-SIDE COTTAGES, INC." filed in the Putnam County Clerk's office June 25, 1952 as map no. 660.

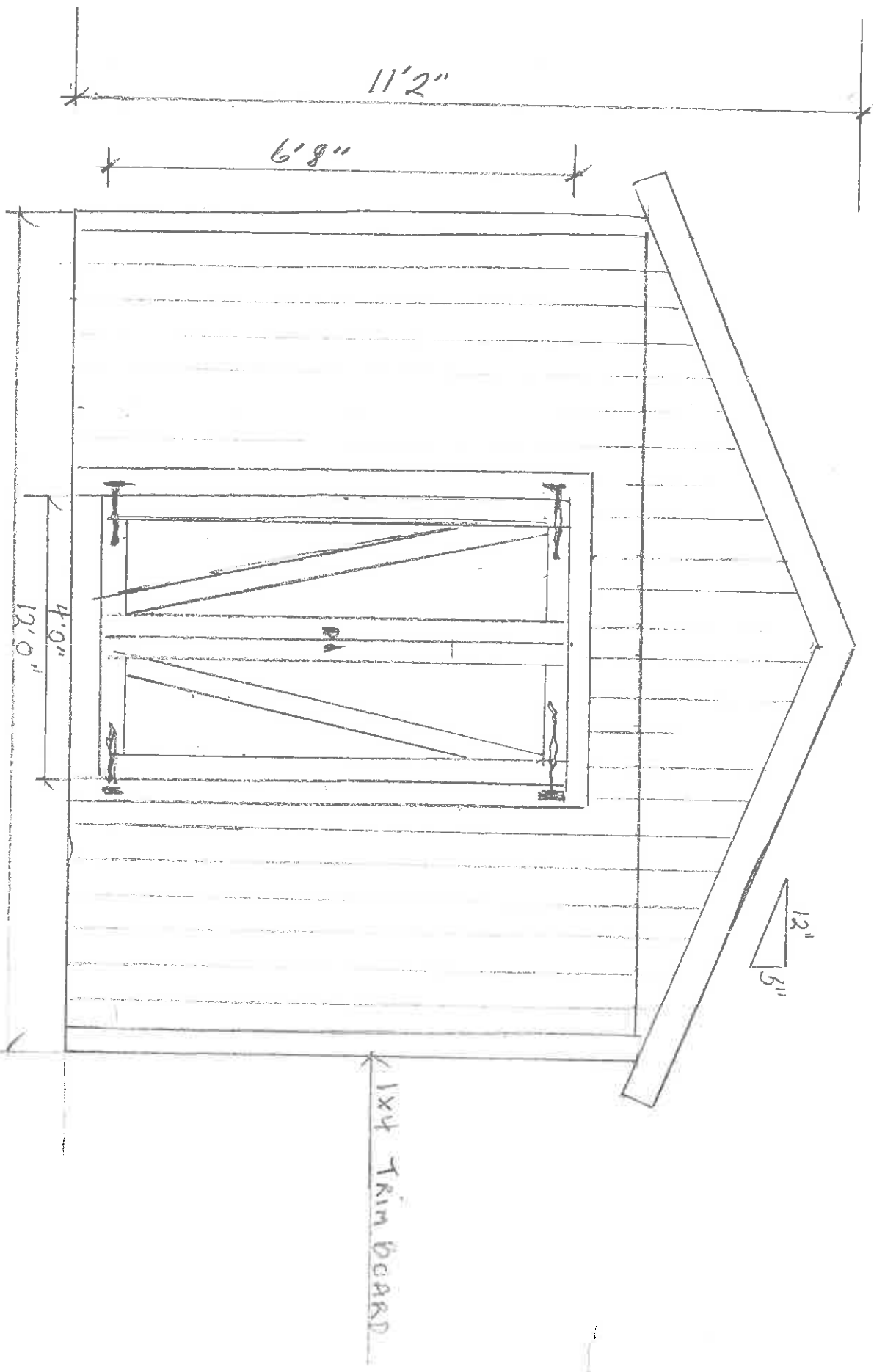
RICHARD H. GORR, the surveyor who made this map, certify that this survey shown hereon was completed by me on July 8, 1976 and that the map was completed by me on July 7, 1976, and that this survey has been prepared in accordance with the existing Code of Practice for Land Surveys adopted by the New York State Assn. of Professional Land Surveyors. Brought to date Nov. 28, 1990. This map was redrawn Dec. 3, 1990.

  
RICHARD H. GORR, P.L.S., N.Y. Lic. no. 40512  
ROUTE 2, P.O. Box 916, MAHOEAC, N.Y. 10541

CERTIFIED TO:  
CHEMICAL BANK, its successors and/or its assigns  
TRW TITLE INSURANCE  
SHERRILL E. MILNES  
NANCY MILNES

TITLE NO. 09-10762

SCALE  $\frac{1}{2}'' = 1'$  8' X 12' SHED



CARL STONE  
Chairman

ROBERT LAGAR  
Vice Chair

ROSE TROMBETTA  
Secretary

DAVID KLOTZLE  
Wetland Inspector

# TOWN OF CARMEL ENVIRONMENTAL CONSERVATION BOARD



60 McAlpin Avenue  
Mahopac, New York 10541  
Tel. (845) 628-1500 Ext. 190  
www.carmelny.org

## BOARD MEMBERS

Edward Barnett  
Anthony Dusovic  
Marc Pekowsky  
Vincent Turano  
Nicholas Fanning

### APPLICATION FOR VEW AND PERMIT OR LETTER OF PERMISSION

Name of Applicant: Tom Vitello  
Address of Applicant: 195 W Lake Blvd Email: \_\_\_\_\_  
Telephone # \_\_\_\_\_ Name and Address of Owner if different from Applicant: \_\_\_\_\_

Property Address: 192 West Lake Blvd Tax Map #: 64619-9-7818  
Agency Submitting Application (if Applicable): A  
Location of Wetland: Same  
Size of Work Section & Specific Location: 40' x 40' by the water  
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):  
make a beach area 20' x 20' Landscaping  
Relocate Rocks + Partials

Proposed Start Date: ASAP Anticipated Completion Date: \_\_\_\_\_ Fee Paid: \$225.00

### CERTIFICATION ON

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, on whatever nature, and by whomsoever suffered, arising out of the project described herein 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, ect.

[Signature]  
SIGNATURE

5/20/15  
DATE

617.20  
 Appendix B  
 Short Environmental Assessment Form

**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.

<b>Part 1 -- Project and Sponsor Information</b> <i>Tom Vitello</i>			
Name of Action or Project:			
Project Location (describe, and attach a location map): <i>192 W Lake Blvd</i>			
Brief Description of Proposed Action: <i>Beach Area 20' x 20' Landscaping Patio</i>			
Name of Applicant or Sponsor: <i>Tom Vitello</i>		Telephone:	
Address: <i>195 W Lake Blvd</i>		E-Mail:	
City/PO: <i>Mahopac</i>		State: <i>NY</i>	Zip Code: <i>10541</i>
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 YES <input type="checkbox"/> <input checked="" type="checkbox"/>
2. Does the proposed action require a permit, approval or funding from any other governmental Agency? If Yes, list agency(s) name and permit or approval:			NO YES <input type="checkbox"/> <input checked="" type="checkbox"/>
3.a. Total acreage of the site of the proposed action?		<i>8000<sup>SP</sup></i> acres	
b. Total acreage to be physically disturbed?		<i>1600</i> acres	
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor?		<i>8000<sup>SP</sup></i> acres	
4. Check all land uses that occur on, adjoining and near the proposed action.			
<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 checked="" type="checkbox"/>	
b. Consistent with the adopted comprehensive plan?			
6. Is the proposed action consistent with the predominant character of the existing built or natural landscape?	NO	YES	
		<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	
8. a. Will the proposed action result in a substantial increase in traffic above present levels?	NO	YES	
b. Are public transportation service(s) available at or near the site of the proposed action?		<input checked="" type="checkbox"/>	
c. Are any pedestrian accommodations or bicycle routes available on or near site of the proposed action?		<input checked="" 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"/>	
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"/>	<del>YES</del>
11. Will the proposed action connect to existing wastewater utilities? If No, describe method for providing wastewater treatment: _____	NO	YES	
		<input checked="" type="checkbox"/>	
12. a. Does the site contain a structure that is listed on either the State or National Register of Historic Places? b. Is the proposed action located in an archeological sensitive area?	NO	YES	
		<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 checked="" 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 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 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	
		<input checked="" type="checkbox"/>	
16. Is the project site located in the 100 year flood plain?	NO	YES	
		<input checked="" type="checkbox"/>	
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? <input type="checkbox"/> NO <input type="checkbox"/> YES b. Will storm water discharges be directed to established conveyance systems (runoff and storm drains)? If Yes, briefly describe: _____ <input type="checkbox"/> NO <input type="checkbox"/> YES	NO	YES	
		<input checked="" type="checkbox"/>	



18. Does the proposed action include construction or other activities that result in the impoundment of water or other liquids (e.g. retention pond, waste lagoon, dam)? If Yes, explain purpose and size: _____	NO	YES
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: _____	NO	YES
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: _____	NO	YES
<b>I AFFIRM THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE.</b>		
Applicant/sponsor name: <u>Tom Vitello</u>	Date: <u>5/20/15</u>	
Signature: <u>[Signature]</u>		

**Part 2 - Impact Assessment.** The Lead Agency is responsible for the completion of Part 2. Answer all of the following questions in Part 2 using the information contained in Part 1 and other materials submitted by the project sponsor or otherwise available to the reviewer. When answering the questions the reviewer should be guided by the concept "Have my responses been reasonable considering the scale and context of the proposed action?"

	No, or small impact may occur	Moderate to large impact may occur
1. Will the proposed action create a material conflict with an adopted land use plan or zoning regulations?		✓
2. Will the proposed action result in a change in the use or intensity of use of land?		✓
3. Will the proposed action impair the character or quality of the existing community?		✓
4. Will the proposed action have an impact on the environmental characteristics that caused the establishment of a Critical Environmental Area (CEA)?		✓
5. Will the proposed action result in an adverse change in the existing level of traffic or affect existing infrastructure for mass transit, biking or walkway?		✓
6. Will the proposed action cause an increase in the use of energy and it fails to incorporate reasonably available energy conservation or renewable energy opportunities?		✓
7. Will the proposed action impact existing: a. public / private water supplies? b. public / private wastewater treatment utilities?		✓
8. Will the proposed action impair the character or quality of important historic, archaeological, architectural or aesthetic resources?		✓
9. Will the proposed action result in an adverse change to natural resources (e.g., wetlands, waterbodies, groundwater, air quality, flora and fauna)?		✓

	No, or small impact may occur	Moderate to large impact may occur
10. Will the proposed action result in an increase in the potential for erosion, flooding or drainage problems?		
11. Will the proposed action create a hazard to environmental resources or human health?		

**Part 3 - Determination of significance. The Lead Agency is responsible for the completion of Part 3.** For every question in Part 2 that was answered "moderate to large impact may occur", or if there is a need to explain why a particular element of the proposed action may or will not result in a significant adverse environmental impact, please complete Part 3. Part 3 should, in sufficient detail, identify the impact, including any measures or design elements that have been included by the project sponsor to avoid or reduce impacts. Part 3 should also explain how the lead agency determined that the impact may or will not be significant. Each potential impact should be assessed considering its setting, probability of occurring, duration, irreversibility, geographic scope and magnitude. Also consider the potential for short-term, long-term and cumulative impacts.

<input type="checkbox"/> Check this box if you have determined, based on the information and analysis above, and any supporting documentation, that the proposed action may result in one or more potentially large or significant adverse impacts and an environmental impact statement is required.	
<input type="checkbox"/> Check this box if you have determined, based on the information and analysis above, and any supporting documentation, that the proposed action will not result in any significant adverse environmental impacts.	
_____	_____
Name of Lead Agency	Date
_____	_____
Print or Type Name of Responsible Officer in Lead Agency	Title of Responsible Officer
_____	_____
Signature of Responsible Officer in Lead Agency	Signature of Preparer (if different from Responsible Officer)









**TITLE SURVEY OF NUMBER 192 WEST LAKE BOULEVARD**

SITUATED IN THE TOWN OF CARMEL  
 COUNTY OF PUTNAM  
 STATE OF NEW YORK

PREPARED BY:

THE OFFICE OF EDWARD G. MICALCZO, LAND SURVEYOR, LLC  
 34 BEEKSHIRE ROAD  
 YONKERS, NEW YORK 10710  
 (914) 962-1433 (914) 962-1341 FAX

*Edward G. Micalczo*  
 EDWARD G. MICALCZO, L.S.  
 N.Y.S. LICENSE # 30181  
 DATE: *October 16, 2013*

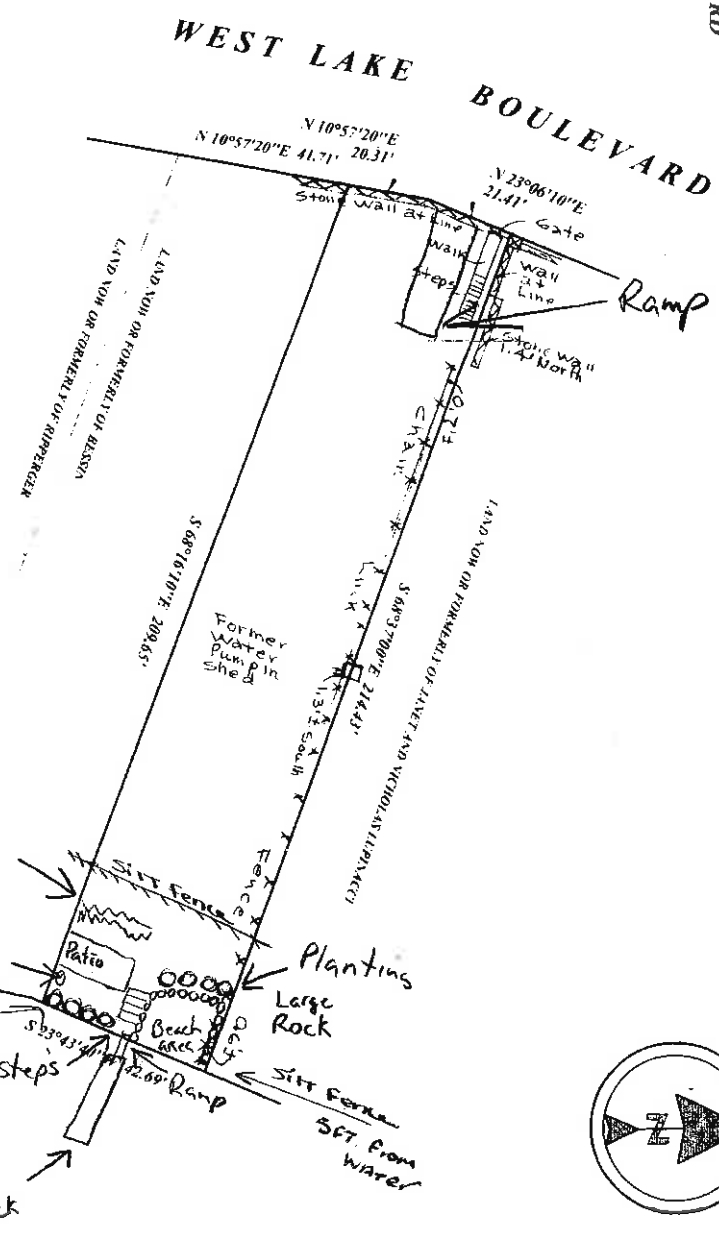
TITLE # 4106N/SS/PL  
 OR ADJUSTED TO

PROSPECT LENDING, LLC, ITS SUCCESSORS, AND/OR ASSIGNS  
 NATIONWIDE SETTLEMENT SOLUTIONS, INC.  
 THOMAS TITELLO AND LUCREN JO TITELLO

THIS MAP WAS PREPARED FOR TITLE PURPOSES ONLY. THE SURVEYOR HAS CONDUCTED VISUAL INSPECTION OF STRUCTURES, FENCES, WALLS, LANDMARKS, OTHER INFORMATION AND FOR THE RECORD OF THESE RECORDS. THERE WERE NO STAKES SET AS PART OF THIS SURVEY. THIS SURVEY IS NOT TO BE USED FOR "BUILDING DEPARTMENT" PURPOSES. THIS SURVEY IS NOT TO BE TREATED AS "TAX MAP INSPECTION" AS REQUIRED BY N.Y.S. LAW.

ALL CERTIFYING REASONS ARE LISTED FOR THE MAP. THE SURVEYOR HAS CONDUCTED VISUAL INSPECTION OF THE BOUNDARIES OF THE PROPERTY AND HAS FOUND NO APPARENT DISCREPANCIES. QUANTITIES OR CERTIFICATIONS ARE NOT GUARANTEED TO ABSTRACT ALLEGATIONS OR SUBSEQUENT OWNERS. CONSULT THE RECORDS OF THE NEW YORK STATE ENGINEERING LAW (NYS E.L.)

COPYRIGHT AND EDWARD G. MICALCZO, LAND SURVEYOR, LLC. ALL RIGHTS RESERVED INCLUDING RIGHTS OF REPRODUCTION.



THIS SURVEY IS BASED UPON INFORMATION PROVIDED BY CLIENT OR CLIENT'S REPRESENTATIVE AND SUBJECT TO THE FINDINGS OF A COMPLETE TITLE REPORT. ENCROACHMENTS BELOW GRADE AND OR SURFACE GRADE FEATURES IF ANY NOT VISIBLE AT TIME OF SURVEY ARE NOT SHOWN ON THIS MAP.

TAX DESIGNATION  
 SECTION: 64.19  
 BLOCK: 2  
 LOT: 78



May 18, 2015

Mr. Robert Laga, Chairman  
Town of Carmel Environmental Conservation Board  
60 McAlpin Avenue  
Mahopac, NY 10541

Re: Wetland Permit Application (Revised)  
Random Ridge, Kennicut Hill Road

Dear Chairman Laga and Members of the Board:

The application for Random Ridge is revised to a proposed cluster development plan. The decision to cluster the plan instead of proceeding with the approved 29 lot subdivision is a result of discussion with both the Environmental Conservation Board and the Planning Board.

The cluster plan offers much less disturbance and impact to the land and to the wetland. The cluster plan proposes no disturbance within the wetland, and 1.1 acres within the buffer. The approved 2004 subdivision plan had approximately 1.5 acres of disturbance in the wetland and 4.7 acres of disturbance in the buffer.

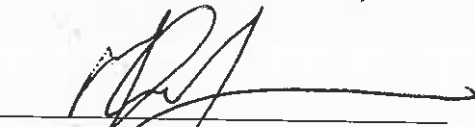
We are submitting:

- Revised application 5/18/15
- Revised narrative 5/18/15
- Revised EAF 4/30/15
- Drawings C-020, C-110, C-120, C-130 and C-160, last revised 5/4/15.

Please place this item on the next ECB agenda.

Sincerely,

PUTNAM ENGINEERING, PLLC



Robert J. Cameron, Jr., R.A.

RJC/tal  
Enclosures

cc: Mr. Ron York, Blitman Development Corp.

(L01521)



Random Ridge Subdivision  
Wetland Permit Application  
Kennicut Hill Road  
Mahopac, NY

### **Project Narrative – May 18, 2015**

#### **Existing Conditions**

The project site is located on the north side of Kennicut Hill Road approximately ½ mile east of Bucks Hollow Road and encompasses 106.51 acres.

NYSDEC Wetland CF-2 exists on the northern portion of the site. The limits of the wetland and water course flagging the Town of Carmel wetland area was performed by Dru Associates on April 23, 2014.

The total area of local and state wetlands (CF-2) on the subject properties is approximately 26.5 acres.

#### **Scope of work within Wetland Buffer**

Work within the buffer and wetlands will include installation of rip rap storm drain swales #1 and #5 along with excavation and fill to construct a portion of the proposed bio-filtration basin and embankment. The total disturbance is 1.1 acres.

#### **Scope of work within the Wetland**

There is no work within the wetland.



**Environmental Conservation Board**  
TOWN HALL- MAHOPAC, NY 10541-(845) 628-1500

**Richard Franzetti**  
Chairman  
**Carl Stone**  
Vice-Chair  
**Rose Trombetta**  
Secretary  
**David Klotzle**  
Wetland Inspector

**Board Members**  
Edward Barnett  
Anthony Dusovic  
Robert Laga  
Marc Pekowsky  
Vincent Turano

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

REV 5/18/2015

Name of Applicant: BLITMAN BUILDING CORP.  
Address of Applicant: 118 N. BEDFORD RD., SUITE 102, MT. KISLON NY 10549 Email: \_\_\_\_\_  
Telephone#: (914) 244-8600 Name & Address of Owner if different from Applicant: SAME

Property Address: KENNICUT HILL ROAD Tax Map # SEE ATTACHED PROJECT NARRATIVE  
Agency Submitting Application if Applicable: N.A.

Location of Wetland: EASTERN PORTION OF SITE  
Size of Work Section & Specific Location: NO (0 ACRES) WETLAND DISTURBANCE, 1.1 AC. BUFFER DISTURBANCE  
LOCATION: WESTERN PORTION OF WETLANDS  
Will Project Utilize State Owner 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 detailed description of the regulated activity.  
SEE ATTACHED PROJECT NARRATIVE

Proposed Starting Date: FALL 2015 Completion Date: SPRING 2017 Amount of Fee Paid: \$1000.00

**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 herein 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.

Ronald York  
SIGNATURE

5/18/2015  
DATE

**Full Environmental Assessment Form  
Part 1 - Project and Setting**

**Instructions for Completing Part 1**

**Part 1 is to be completed by the applicant or project sponsor.** 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; indicate whether missing information does not exist, or is not reasonably available to the sponsor; and, when possible, generally describe work or studies which would be necessary to update or fully develop that information.

Applicants/sponsors must complete all items in Sections A & B. In Sections C, D & E, most items contain an initial question that must be answered either "Yes" or "No". If the answer to the initial question is "Yes", complete the sub-questions that follow. If the answer to the initial question is "No", proceed to the next question. Section F allows the project sponsor to identify and attach any additional information. Section G requires the name and signature of the project sponsor to verify that the information contained in Part 1 is accurate and complete.

**A. Project and Sponsor Information.**

Name of Action or Project: Random Ridge		
Project Location (describe, and attach a general location map): Kennicut Hill Road, Town of Carmel, Putnam County		
Brief Description of Proposed Action (include purpose or need): Proposed 29 lot residential subdivision on 106.5 acres: 29 single family cluster lots. The project site is located within the R-Residential zoning district.  Sewer service shall be provided by community subsurface sewage treatment system located on-site and to be maintained by a homeowner's association. Water service shall be provided by a connection to the existing Carmel water District #8 facilities traversing the subject property.		
Name of Applicant/Sponsor: Blitman Building Corp.	Telephone: 914-244-8600	E-Mail:
Address: 118 North Bedford Road, Suite 102		
City/PO: Mt. Kisco	State: NY	Zip Code: 10549
Project Contact (if not same as sponsor; give name and title/role): Putnam Engineering, PLLC	Telephone: 845-279-6789	E-Mail: plynch@putnameng.com
Address: 4 Old Route 6		
City/PO: Brewster	State: NY	Zip Code: 10509
Property Owner (if not same as sponsor): Same as Applicant	Telephone:	E-Mail:
Address:		
City/PO:	State:	Zip Code:

**B. Government Approvals**

**B. Government Approvals, Funding, or Sponsorship.** ("Funding" includes grants, loans, tax relief, and any other forms of financial assistance.)

Government Entity	If Yes: Identify Agency and Approval(s) Required	Application Date (Actual or projected)
a. City Council, Town Board, <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No or Village Board of Trustees		
b. City, Town or Village Planning Board or Commission <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Carmel Planning Board	September 2014
c. City Council, Town or Village Zoning Board of Appeals <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
d. Other local agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Carmel Environmental Conservation Board	
e. County agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Putnam County Health Department - SSTS	
f. Regional agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	NYCDEP - SWPPP, SSTS	
g. State agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	NYSDEC - General Permit, SPEDES	
h. Federal agencies <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
i. Coastal Resources.		
i. Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
ii. Is the project site located in a community with an approved Local Waterfront Revitalization Program?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
iii. Is the project site within a Coastal Erosion Hazard Area?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

**C. Planning and Zoning**

**C.1. Planning and zoning actions.**

Will administrative or legislative adoption, or amendment of a plan, local law, ordinance, rule or regulation be the only approval(s) which must be granted to enable the proposed action to proceed?  Yes  No

- If Yes, complete sections C, F and G.
- If No, proceed to question C.2 and complete all remaining sections and questions in Part 1

**C.2. Adopted land use plans.**

a. Do any municipally- adopted (city, town, village or county) comprehensive land use plan(s) include the site where the proposed action would be located?  Yes  No

If Yes, does the comprehensive plan include specific recommendations for the site where the proposed action would be located?  Yes  No

b. Is the site of the proposed action within any local or regional special planning district (for example: Greenway Brownfield Opportunity Area (BOA); designated State or Federal heritage area; watershed management plan; or other?)  Yes  No

If Yes, identify the plan(s):

NYCDEP Watershed Boundary

\_\_\_\_\_

\_\_\_\_\_

c. Is the proposed action located wholly or partially within an area listed in an adopted municipal open space plan, or an adopted municipal farmland protection plan?  Yes  No

If Yes, identify the plan(s):

\_\_\_\_\_

\_\_\_\_\_

**C.3. Zoning**

a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance.  Yes  No  
 If Yes, what is the zoning classification(s) including any applicable overlay district?  
R - Residential

b. Is the use permitted or allowed by a special or conditional use permit?  Yes  No

c. Is a zoning change requested as part of the proposed action?  Yes  No  
 If Yes,  
 i. What is the proposed new zoning for the site? \_\_\_\_\_

**C.4. Existing community services.**

a. In what school district is the project site located? Mahopac Central School District

b. What police or other public protection forces serve the project site?  
Town of Carmel Police Department

c. Which fire protection and emergency medical services serve the project site?  
Mahopac Volunteer Fire Department

d. What parks serve the project site?  
Town of Carmel Parks

**D. Project Details**

**D.1. Proposed and Potential Development**

a. What is the general nature of the proposed action (e.g., residential, industrial, commercial, recreational; if mixed, include all components)?  
Residential

b. a. Total acreage of the site of the proposed action? 106.5 acres  
 b. Total acreage to be physically disturbed? +/-22.0 acres  
 c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 106.5 acres

c. Is the proposed action an expansion of an existing project or use?  Yes  No  
 i. If Yes, what is the approximate percentage of the proposed expansion and identify the units (e.g., acres, miles, housing units, square feet)? % \_\_\_\_\_ Units: \_\_\_\_\_

d. Is the proposed action a subdivision, or does it include a subdivision?  Yes  No  
 If Yes,  
 i. Purpose or type of subdivision? (e.g., residential, industrial, commercial; if mixed, specify types)  
Residential  
 ii. Is a cluster/conservation layout proposed?  Yes  No  
 iii. Number of lots proposed? 29  
 iv. Minimum and maximum proposed lot sizes? Minimum .19 acres Maximum .38 acres

e. Will proposed action be constructed in multiple phases?  Yes  No  
 i. If No, anticipated period of construction: 24 months  
 ii. If Yes:  
 • Total number of phases anticipated 9  
 • Anticipated commencement date of phase I (including demolition) Oct. month 2015 year  
 • Anticipated completion date of final phase Oct. month 2017 year  
 • Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

f. Does the project include new residential uses?  Yes  No  
 If Yes, show numbers of units proposed.

	One Family	Two Family	Three Family	Multiple Family (four or more)
Initial Phase	0	N.A.	N.A.	N.A.
At completion of all phases	29	N.A.	N.A.	N.A.

g. Does the proposed action include new non-residential construction (including expansions)?  Yes  No  
 If Yes,  
 i. Total number of structures \_\_\_\_\_  
 ii. Dimensions (in feet) of largest proposed structure: \_\_\_\_\_ height; \_\_\_\_\_ width; and \_\_\_\_\_ length  
 iii. Approximate extent of building space to be heated or cooled: \_\_\_\_\_ square feet

h. Does the proposed action include construction or other activities that will result in the impoundment of any liquids, such as creation of a water supply, reservoir, pond, lake, waste lagoon or other storage?  Yes  No  
 If Yes,  
 i. Purpose of the impoundment: Stormwater runoff control  
 ii. If a water impoundment, the principal source of the water:  Ground water  Surface water streams  Other specify: Surface water runoff  
 iii. If other than water, identify the type of impounded/contained liquids and their source.  
N.A.  
 iv. Approximate size of the proposed impoundment. Volume: 0.6 million gallons; surface area: 0.5 acres  
 v. Dimensions of the proposed dam or impounding structure: 5' height; 440' length  
 vi. Construction method/materials for the proposed dam or impounding structure (e.g., earth fill, rock, wood, concrete):  
Earth fill

**D.2. Project Operations**

a. Does the proposed action include any excavation, mining, or dredging, during construction, operations, or both? (Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite)  Yes  No  
 If Yes:  
 i. What is the purpose of the excavation or dredging? \_\_\_\_\_  
 ii. How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site?  
 • Volume (specify tons or cubic yards): \_\_\_\_\_  
 • Over what duration of time? \_\_\_\_\_  
 iii. Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them.  
 \_\_\_\_\_  
 \_\_\_\_\_  
 iv. Will there be onsite dewatering or processing of excavated materials?  Yes  No  
 If yes, describe. \_\_\_\_\_  
 \_\_\_\_\_  
 v. What is the total area to be dredged or excavated? \_\_\_\_\_ acres  
 vi. What is the maximum area to be worked at any one time? \_\_\_\_\_ acres  
 vii. What would be the maximum depth of excavation or dredging? \_\_\_\_\_ feet  
 viii. Will the excavation require blasting?  Yes  No  
 ix. Summarize site reclamation goals and plan: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

b. Would the proposed action cause or result in alteration of, increase or decrease in size of, or encroachment into any existing wetland, waterbody, shoreline, beach or adjacent area?  Yes  No  
 If Yes:  
 i. Identify the wetland or waterbody which would be affected (by name, water index number, wetland map number or geographic description): Encroachment proposed into adjacent buffer area of Town of Carmel wetland  
 \_\_\_\_\_  
 \_\_\_\_\_

ii. Describe how the proposed action would affect that waterbody or wetland, e.g. excavation, fill, placement of structures, or alteration of channels, banks and shorelines. Indicate extent of activities, alterations and additions in square feet or acres:  
Placement of fill for stormwater pond berm, rip-rap spillway, rip-rap swales and plunge pools will encroach into local wetland adjacent buffer area

---

iii. Will proposed action cause or result in disturbance to bottom sediments?  Yes  No  
 If Yes, describe: \_\_\_\_\_

iv. Will proposed action cause or result in the destruction or removal of aquatic vegetation?  Yes  No  
 If Yes:

- acres of aquatic vegetation proposed to be removed: \_\_\_\_\_
- expected acreage of aquatic vegetation remaining after project completion: \_\_\_\_\_
- purpose of proposed removal (e.g. beach clearing, invasive species control, boat access): \_\_\_\_\_
- proposed method of plant removal: \_\_\_\_\_
- if chemical/herbicide treatment will be used, specify product(s): \_\_\_\_\_

v. Describe any proposed reclamation/mitigation following disturbance: \_\_\_\_\_

---

c. Will the proposed action use, or create a new demand for water?  Yes  No  
 If Yes:

i. Total anticipated water usage/demand per day: \_\_\_\_\_ 12,760 gallons/day

ii. Will the proposed action obtain water from an existing public water supply?  Yes  No  
 If Yes:

- Name of district or service area: Carmel Water District #8
- Does the existing public water supply have capacity to serve the proposal?  Yes  No
- Is the project site in the existing district?  Yes  No
- Is expansion of the district needed?  Yes  No
- Do existing lines serve the project site?  Yes  No

iii. Will line extension within an existing district be necessary to supply the project?  Yes  No  
 If Yes:

- Describe extensions or capacity expansions proposed to serve this project: \_\_\_\_\_  
Install approx. 3,950 L.F. watermain, which includes rerouting the watermain to Kennicut Hill Road, with 29 new hookups
- Source(s) of supply for the district: Existing wells

iv. Is a new water supply district or service area proposed to be formed to serve the project site?  Yes  No  
 If, Yes:

- Applicant/sponsor for new district: \_\_\_\_\_
- Date application submitted or anticipated: \_\_\_\_\_
- Proposed source(s) of supply for new district: \_\_\_\_\_

v. If a public water supply will not be used, describe plans to provide water supply for the project: \_\_\_\_\_

vi. If water supply will be from wells (public or private), maximum pumping capacity: \_\_\_\_\_ gallons/minute.

---

d. Will the proposed action generate liquid wastes?  Yes  No  
 If Yes:

i. Total anticipated liquid waste generation per day: \_\_\_\_\_ 12,760 gallons/day

ii. Nature of liquid wastes to be generated (e.g., sanitary wastewater, industrial; if combination, describe all components and approximate volumes or proportions of each): \_\_\_\_\_  
Sanitary wastewater

---

iii. Will the proposed action use any existing public wastewater treatment facilities?  Yes  No  
 If Yes:

- Name of wastewater treatment plant to be used: \_\_\_\_\_
- Name of district: \_\_\_\_\_
- Does the existing wastewater treatment plant have capacity to serve the project?  Yes  No
- Is the project site in the existing district?  Yes  No
- Is expansion of the district needed?  Yes  No

• Do existing sewer lines serve the project site?  Yes  No  
 • Will line extension within an existing district be necessary to serve the project?  Yes  No  
 If Yes:  
 • Describe extensions or capacity expansions proposed to serve this project: \_\_\_\_\_  
 \_\_\_\_\_

iv. Will a new wastewater (sewage) treatment district be formed to serve the project site?  Yes  No  
 If Yes:  
 • Applicant/sponsor for new district: \_\_\_\_\_  
 • Date application submitted or anticipated: \_\_\_\_\_  
 • What is the receiving water for the wastewater discharge? \_\_\_\_\_

v. If public facilities will not be used, describe plans to provide wastewater treatment for the project, including specifying proposed receiving water (name and classification if surface discharge, or describe subsurface disposal plans):  
Community subsurface sewage treatment system to be installed on-site  
 \_\_\_\_\_

vi. Describe any plans or designs to capture, recycle or reuse liquid waste: \_\_\_\_\_  
N.A.  
 \_\_\_\_\_

e. Will the proposed action disturb more than one acre and create stormwater runoff, either from new point sources (i.e. ditches, pipes, swales, curbs, gutters or other concentrated flows of stormwater) or non-point source (i.e. sheet flow) during construction or post construction?  Yes  No  
 If Yes:  
 i. How much impervious surface will the project create in relation to total size of project parcel?  
 \_\_\_\_\_ Square feet or 3.1 acres (impervious surface)  
 \_\_\_\_\_ Square feet or 106.5 acres (parcel size)  
 ii. Describe types of new point sources. Swales, stormwater pipes, curbs  
 \_\_\_\_\_

iii. Where will the stormwater runoff be directed (i.e. on-site stormwater management facility/structures, adjacent properties, groundwater, on-site surface water or off-site surface waters)?  
Stormwater discharges from small storms will be directed to green infrastructure practices that distribute the flow and infiltrate it into the ground. Larger storms are directed to on-site retention pond that controls the rate of runoff to pre-development conditions.  
 • If to surface waters, identify receiving water bodies or wetlands: \_\_\_\_\_  
Through local town wetland to NYSDEC Wetland CF-2  
 \_\_\_\_\_  
 • Will stormwater runoff flow to adjacent properties?  Yes  No

iv. Does proposed plan minimize impervious surfaces, use pervious materials or collect and re-use stormwater?  Yes  No

f. Does the proposed action include, or will it use on-site, one or more sources of air emissions, including fuel combustion, waste incineration, or other processes or operations?  Yes  No  
 If Yes, identify:  
 i. Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles)  
Heavy equipment during construction phases  
 ii. Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers)  
N.A.  
 iii. Stationary sources during operations (e.g., process emissions, large boilers, electric generation)  
N.A.

g. Will any air emission sources named in D.2.f (above), require a NY State Air Registration, Air Facility Permit, or Federal Clean Air Act Title IV or Title V Permit?  Yes  No  
 If Yes:  
 i. Is the project site located in an Air quality non-attainment area? (Area routinely or periodically fails to meet ambient air quality standards for all or some parts of the year)  Yes  No  
 ii. In addition to emissions as calculated in the application, the project will generate:  
 • \_\_\_\_\_ Tons/year (short tons) of Carbon Dioxide (CO<sub>2</sub>)  
 • \_\_\_\_\_ Tons/year (short tons) of Nitrous Oxide (N<sub>2</sub>O)  
 • \_\_\_\_\_ Tons/year (short tons) of Perfluorocarbons (PFCs)  
 • \_\_\_\_\_ Tons/year (short tons) of Sulfur Hexafluoride (SF<sub>6</sub>)  
 • \_\_\_\_\_ Tons/year (short tons) of Carbon Dioxide equivalent of Hydrofluorocarbons (HFCs)  
 • \_\_\_\_\_ Tons/year (short tons) of Hazardous Air Pollutants (HAPs)



h. Will the proposed action generate or emit methane (including, but not limited to, sewage treatment plants, landfills, composting facilities)?  Yes  No

If Yes:

i. Estimate methane generation in tons/year (metric): \_\_\_\_\_

ii. Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring): \_\_\_\_\_

---

i. Will the proposed action result in the release of air pollutants from open-air operations or processes, such as quarry or landfill operations?  Yes  No

If Yes: Describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust): \_\_\_\_\_

---

j. Will the proposed action result in a substantial increase in traffic above present levels or generate substantial new demand for transportation facilities or services?  Yes  No

If Yes:

i. When is the peak traffic expected (Check all that apply):  Morning  Evening  Weekend  
 Randomly between hours of \_\_\_\_\_ to \_\_\_\_\_.

ii. For commercial activities only, projected number of semi-trailer truck trips/day: \_\_\_\_\_

iii. Parking spaces: Existing \_\_\_\_\_ Proposed \_\_\_\_\_ Net increase/decrease \_\_\_\_\_

iv. Does the proposed action include any shared use parking?  Yes  No

v. If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe: \_\_\_\_\_

---

vi. Are public/private transportation service(s) or facilities available within 1/2 mile of the proposed site?  Yes  No

vii. Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles?  Yes  No

viii. Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes?  Yes  No

---

k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand for energy?  Yes  No

If Yes:

i. Estimate annual electricity demand during operation of the proposed action: \_\_\_\_\_

ii. Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other): \_\_\_\_\_

iii. Will the proposed action require a new, or an upgrade to, an existing substation?  Yes  No

---

l. Hours of operation. Answer all items which apply.

i. During Construction:		ii. During Operations:	
• Monday - Friday:	8am - 5pm	• Monday - Friday:	N.A.
• Saturday:	8am - 5pm	• Saturday:	N.A.
• Sunday:	N.A.	• Sunday:	N.A.
• Holidays:	N.A.	• Holidays:	N.A.

m. Will the proposed action produce noise that will exceed existing ambient noise levels during construction, operation, or both?  Yes  No  
 If yes:  
 i. Provide details including sources, time of day and duration:  
Use of excavation equipment, 8am - 5pm Monday through Saturday as required during construction.

ii. Will proposed action remove existing natural barriers that could act as a noise barrier or screen?  Yes  No  
 Describe: Existing vegetation to be removed during construction to permit installation of infrastructure and single family homes.

---

n. Will the proposed action have outdoor lighting?  Yes  No  
 If yes:  
 i. Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures:  
Residences to have security and landscape lighting.

ii. Will proposed action remove existing natural barriers that could act as a light barrier or screen?  Yes  No  
 Describe: Existing vegetation to be removed during construction to permit installation of infrastructure and single family homes.

---

o. Does the proposed action have the potential to produce odors for more than one hour per day?  Yes  No  
 If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures:  
Diesel exhaust during construction

---

p. Will the proposed action include any bulk storage of petroleum (combined capacity of over 1,100 gallons) or chemical products 185 gallons in above ground storage or any amount in underground storage?  Yes  No  
 If Yes:  
 i. Product(s) to be stored \_\_\_\_\_  
 ii. Volume(s) \_\_\_\_\_ per unit time \_\_\_\_\_ (e.g., month, year)  
 iii. Generally describe proposed storage facilities: \_\_\_\_\_

---

q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation?  Yes  No  
 If Yes:  
 i. Describe proposed treatment(s):  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

ii. Will the proposed action use Integrated Pest Management Practices?  Yes  No

---

r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)?  Yes  No  
 If Yes:  
 i. Describe any solid waste(s) to be generated during construction or operation of the facility:  
 • Construction: \_\_\_\_\_ tons per \_\_\_\_\_ (unit of time)  
 • Operation : \_\_\_\_\_ tons per \_\_\_\_\_ (unit of time)  
 ii. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste:  
 • Construction: \_\_\_\_\_  
 • Operation: \_\_\_\_\_

iii. Proposed disposal methods/facilities for solid waste generated on-site:  
 • Construction: \_\_\_\_\_  
 • Operation: \_\_\_\_\_

s. Does the proposed action include construction or modification of a solid waste management facility?  Yes  No  
 If Yes:  
 i. Type of management or handling of waste proposed for the site (e.g., recycling or transfer station, composting, landfill, or other disposal activities): \_\_\_\_\_  
 ii. Anticipated rate of disposal/processing:  
 • \_\_\_\_\_ Tons/month, if transfer or other non-combustion/thermal treatment, or  
 • \_\_\_\_\_ Tons/hour, if combustion or thermal treatment  
 iii. If landfill, anticipated site life: \_\_\_\_\_ years

t. Will proposed action at the site involve the commercial generation, treatment, storage, or disposal of hazardous waste?  Yes  No  
 If Yes:  
 i. Name(s) of all hazardous wastes or constituents to be generated, handled or managed at facility: \_\_\_\_\_  
 \_\_\_\_\_  
 ii. Generally describe processes or activities involving hazardous wastes or constituents: \_\_\_\_\_  
 \_\_\_\_\_  
 iii. Specify amount to be handled or generated \_\_\_\_\_ tons/month  
 iv. Describe any proposals for on-site minimization, recycling or reuse of hazardous constituents: \_\_\_\_\_  
 \_\_\_\_\_  
 v. Will any hazardous wastes be disposed at an existing offsite hazardous waste facility?  Yes  No  
 If Yes: provide name and location of facility: \_\_\_\_\_  
 \_\_\_\_\_  
 If No: describe proposed management of any hazardous wastes which will not be sent to a hazardous waste facility:  
 \_\_\_\_\_  
 \_\_\_\_\_

**E. Site and Setting of Proposed Action**

**E.1. Land uses on and surrounding the project site**

a. Existing land uses.  
 i. Check all uses that occur on, adjoining and near the project site.  
 Urban  Industrial  Commercial  Residential (suburban)  Rural (non-farm)  
 Forest  Agriculture  Aquatic  Other (specify): \_\_\_\_\_  
 ii. If mix of uses, generally describe:  
 \_\_\_\_\_

b. Land uses and covertypes on the project site.

Land use or Covertypes	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces	0	3.1	+3.1
• Forested	77.4	55.37	-22.03
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	2.6	7.4	+4.8
• Agricultural (includes active orchards, field, greenhouse etc.)	0	0	0
• Surface water features (lakes, ponds, streams, rivers, etc.)	0	0.13	+0.13
• Wetlands (freshwater or tidal)	26.5	26.5	0
• Non-vegetated (bare rock, earth or fill)	0	0	0
• Other Describe: lawns _____	0	14.0	+14.0

c. Is the project site presently used by members of the community for public recreation?  Yes  No  
i. If Yes: explain: \_\_\_\_\_

d. Are there any facilities serving children, the elderly, people with disabilities (e.g., schools, hospitals, licensed day care centers, or group homes) within 1500 feet of the project site?  Yes  No  
If Yes,  
i. Identify Facilities:  
Lakeview Elementary School

e. Does the project site contain an existing dam?  Yes  No  
If Yes:  
i. Dimensions of the dam and impoundment:  
• Dam height: \_\_\_\_\_ feet  
• Dam length: \_\_\_\_\_ feet  
• Surface area: \_\_\_\_\_ acres  
• Volume impounded: \_\_\_\_\_ gallons OR acre-feet  
ii. Dam's existing hazard classification: \_\_\_\_\_  
iii. Provide date and summarize results of last inspection: \_\_\_\_\_

f. Has the project site ever been used as a municipal, commercial or industrial solid waste management facility, or does the project site adjoin property which is now, or was at one time, used as a solid waste management facility?  Yes  No  
If Yes:  
i. Has the facility been formally closed?  Yes  No  
• If yes, cite sources/documentation: \_\_\_\_\_  
ii. Describe the location of the project site relative to the boundaries of the solid waste management facility: \_\_\_\_\_  
iii. Describe any development constraints due to the prior solid waste activities: \_\_\_\_\_

g. Have hazardous wastes been generated, treated and/or disposed of at the site, or does the project site adjoin property which is now or was at one time used to commercially treat, store and/or dispose of hazardous waste?  Yes  No  
If Yes:  
i. Describe waste(s) handled and waste management activities, including approximate time when activities occurred:  
Adjacent school had previously disposed of hazardous materials on subject property and subsequently cleaned the site.  
NYR000013573

h. Potential contamination history. Has there been a reported spill at the proposed project site, or have any remedial actions been conducted at or adjacent to the proposed site?  Yes  No  
If Yes:  
i. Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site Remediation database? Check all that apply:  Yes  No  
 Yes – Spills Incidents database Provide DEC ID number(s): \_\_\_\_\_  
 Yes – Environmental Site Remediation database Provide DEC ID number(s): \_\_\_\_\_  
 Neither database  
ii. If site has been subject of RCRA corrective activities, describe control measures: \_\_\_\_\_  
iii. Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database?  Yes  No  
If yes, provide DEC ID number(s): \_\_\_\_\_  
iv. If yes to (i), (ii) or (iii) above, describe current status of site(s): \_\_\_\_\_

v. Is the project site subject to an institutional control limiting property uses?  Yes  No

- If yes, DEC site ID number: \_\_\_\_\_
- Describe the type of institutional control (e.g., deed restriction or easement): \_\_\_\_\_
- Describe any use limitations: \_\_\_\_\_
- Describe any engineering controls: \_\_\_\_\_
- Will the project affect the institutional or engineering controls in place?  Yes  No
- Explain: \_\_\_\_\_

---

**E.2. Natural Resources On or Near Project Site**

a. What is the average depth to bedrock on the project site? \_\_\_\_\_ >8 feet

b. Are there bedrock outcroppings on the project site?  Yes  No  
 If Yes, what proportion of the site is comprised of bedrock outcroppings? \_\_\_\_\_ <1 %

c. Predominant soil type(s) present on project site:

ChB, ChC, ClD, ClE, ClF, CrC, CsD,	_____	_____ %
HrF, PaC, PoD, RhB	_____	_____ %
	_____	_____ %

d. What is the average depth to the water table on the project site? Average: \_\_\_\_\_ >10 feet

e. Drainage status of project site soils:  Well Drained: \_\_\_\_\_ 75 % of site  
 Moderately Well Drained: \_\_\_\_\_ % of site  
 Poorly Drained \_\_\_\_\_ 25 % of site

f. Approximate proportion of proposed action site with slopes:  0-10%: \_\_\_\_\_ 28 % of site  
 10-15%: \_\_\_\_\_ 14 % of site  
 15% or greater: \_\_\_\_\_ 60 % of site

g. Are there any unique geologic features on the project site?  Yes  No  
 If Yes, describe: \_\_\_\_\_

---

h. Surface water features.

i. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)?  Yes  No

ii. Do any wetlands or other waterbodies adjoin the project site?  Yes  No  
 If Yes to either i or ii, continue. If No, skip to E.2.i.

iii. Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency?  Yes  No

iv. For each identified regulated wetland and waterbody on the project site, provide the following information:

- Streams: Name Unnamed stream #864-176 Classification C
- Lakes or Ponds: Name \_\_\_\_\_ Classification \_\_\_\_\_
- Wetlands: Name NYSDEC wetland, Town wetland, Federal wetland Approximate Size 79 ac
- Wetland No. (if regulated by DEC) CF-2

v. Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies?  Yes  No  
 If yes, name of impaired water body/bodies and basis for listing as impaired: \_\_\_\_\_

---

i. Is the project site in a designated Floodway?  Yes  No

j. Is the project site in the 100 year Floodplain?  Yes  No

k. Is the project site in the 500 year Floodplain?  Yes  No

l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer?  Yes  No  
 If Yes:  
 i. Name of aquifer: \_\_\_\_\_

m. Identify the predominant wildlife species that occupy or use the project site: deer _____ squirrel _____ birds _____ racoon _____	
n. Does the project site contain a designated significant natural community? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span> If Yes: i. Describe the habitat/community (composition, function, and basis for designation): _____ ii. Source(s) of description or evaluation: _____ iii. Extent of community/habitat: • Currently: _____ acres • Following completion of project as proposed: _____ acres • Gain or loss (indicate + or -): _____ acres	
o. Does project site contain any species of plant or animal that is listed by the federal government or NYS as endangered or threatened, or does it contain any areas identified as habitat for an endangered or threatened species? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span>	
p. Does the project site contain any species of plant or animal that is listed by NYS as rare, or as a species of special concern? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span>	
q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span> If yes, give a brief description of how the proposed action may affect that use: _____ _____	
<b>E.3. Designated Public Resources On or Near Project Site</b>	
a. Is the project site, or any portion of it, located in a designated agricultural district certified pursuant to Agriculture and Markets Law, Article 25-AA, Section 303 and 304? <span style="float: right;"><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</span> If Yes, provide county plus district name/number: PUTN001	
b. Are agricultural lands consisting of highly productive soils present? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span> i. If Yes: acreage(s) on project site? _____ ii. Source(s) of soil rating(s): _____	
c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span> If Yes: i. Nature of the natural landmark: <input type="checkbox"/> Biological Community <input type="checkbox"/> Geological Feature ii. Provide brief description of landmark, including values behind designation and approximate size/extent: _____ _____	
d. Is the project site located in or does it adjoin a state listed Critical Environmental Area? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span> If Yes: i. CEA name: _____ ii. Basis for designation: _____ iii. Designating agency and date: _____	

e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on, or has been nominated by the NYS Board of Historic Preservation for inclusion on, the State or National Register of Historic Places?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If Yes:	
i. Nature of historic/archaeological resource: <input type="checkbox"/> Archaeological Site <input type="checkbox"/> Historic Building or District	
ii. Name: _____	
iii. Brief description of attributes on which listing is based: _____	
f. 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?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
g. Have additional archaeological or historic site(s) or resources been identified on the project site?	
If Yes:	
i. Describe possible resource(s): _____	
ii. Basis for identification: _____	
h. Is the project site within five miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If Yes:	
i. Identify resource: <u>Putnam County Bikeway</u>	
ii. Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): <u>Putnam County scenic bike / walking trail</u>	
iii. Distance between project and resource: _____ <u>0.25 miles.</u>	
i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If Yes:	
i. Identify the name of the river and its designation: _____	
ii. Is the activity consistent with development restrictions contained in 6NYCRR Part 666?	
<input type="checkbox"/> Yes <input type="checkbox"/> No	

**F. Additional Information**


Attach any additional information which may be needed to clarify your project.

If you have identified any adverse impacts which could be associated with your proposal, please describe those impacts plus any measures which you propose to avoid or minimize them.

**G. Verification**

I certify that the information provided is true to the best of my knowledge.

Applicant/Sponsor Name Putnam Engineering, PLLC Date 09/03/14 rev.03/31/15 rev. 04/30/15

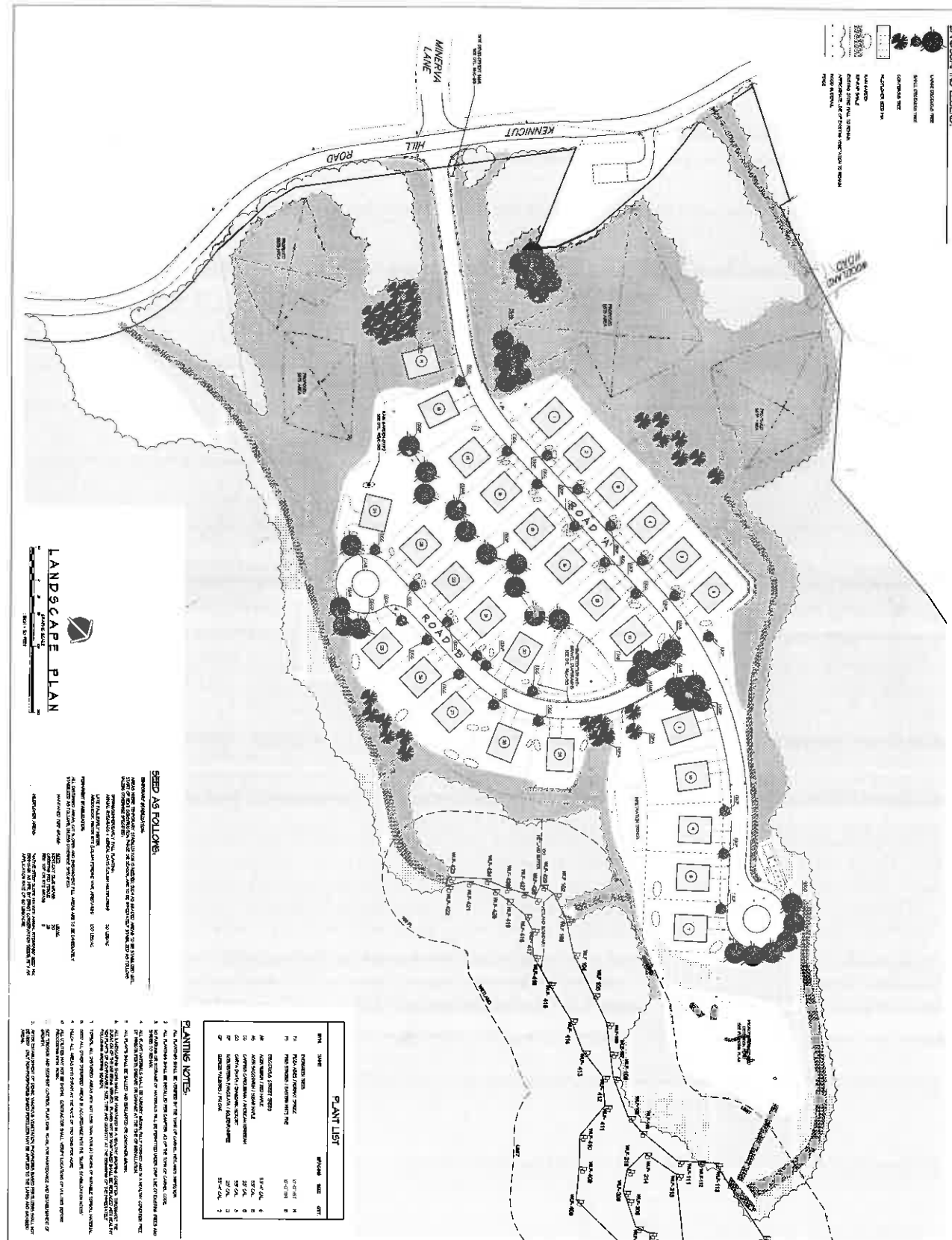
Signature  Title PROJ MGR

PRINT FORM









**LANDSCAPE PLAN**

**SEED AS FOLLOWS:**

1. ALL SEEDS SHALL BE COMMERCE GRADE AND SHALL BE TESTED BY AN INDEPENDENT LABORATORY TO DETERMINE PURITY AND GERMINATION PERCENTAGE. ALL SEEDS SHALL BE TESTED AND REPORTED TO THE CLIENT BY THE SUPPLIER.

2. ALL SEEDS SHALL BE STORED IN A COOL, DRY PLACE UNTIL USED.

3. ALL SEEDS SHALL BE PLANTED AT THE RECOMMENDED PLANTING RATE AND SPACING.

4. ALL SEEDS SHALL BE PLANTED AT THE RECOMMENDED PLANTING RATE AND SPACING.

5. ALL SEEDS SHALL BE PLANTED AT THE RECOMMENDED PLANTING RATE AND SPACING.

**PLANTING NOTES:**

1. ALL PLANTS SHALL BE COMMERCE GRADE AND SHALL BE TESTED BY AN INDEPENDENT LABORATORY TO DETERMINE PURITY AND GERMINATION PERCENTAGE. ALL PLANTS SHALL BE TESTED AND REPORTED TO THE CLIENT BY THE SUPPLIER.

2. ALL PLANTS SHALL BE STORED IN A COOL, DRY PLACE UNTIL USED.

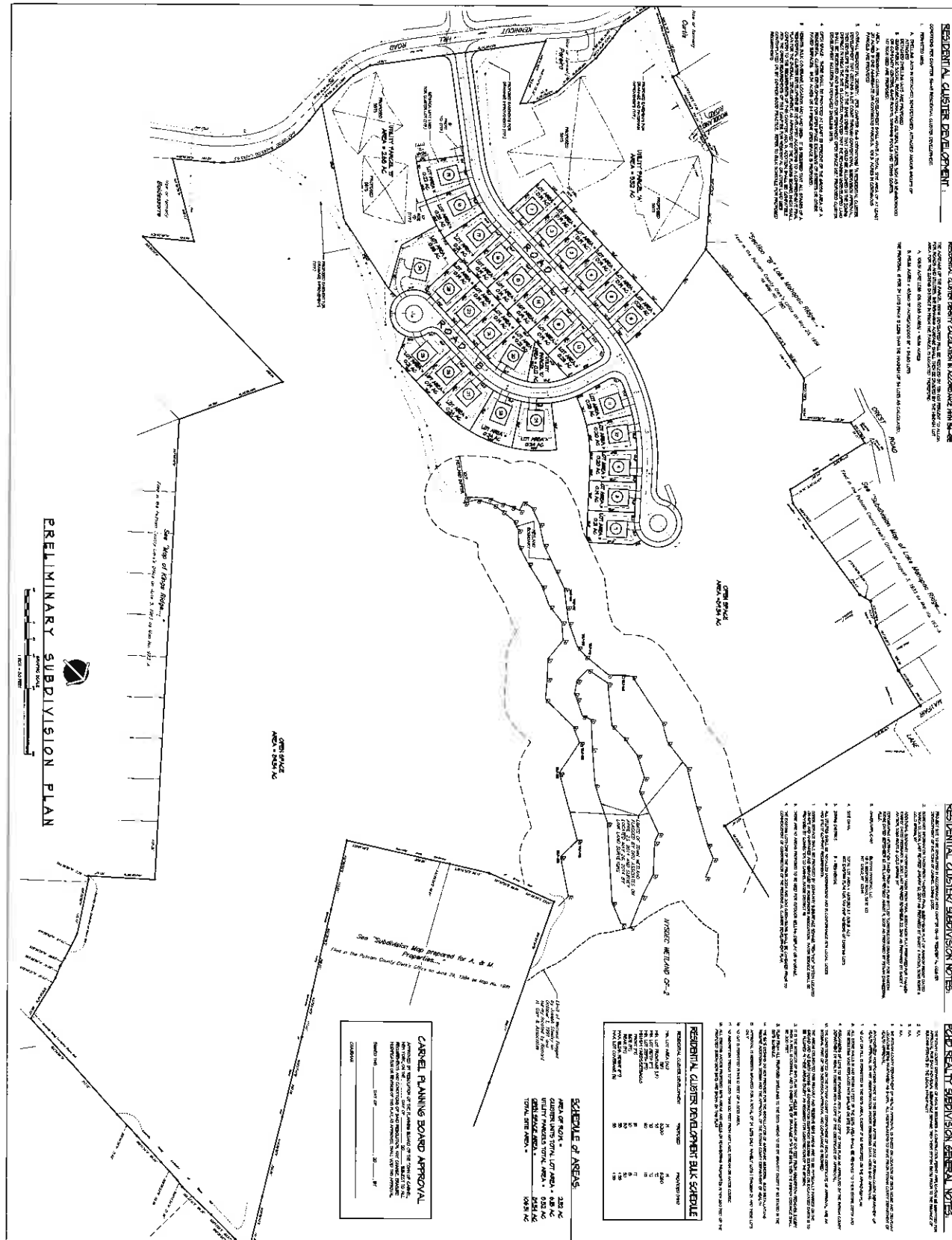
3. ALL PLANTS SHALL BE PLANTED AT THE RECOMMENDED PLANTING RATE AND SPACING.

4. ALL PLANTS SHALL BE PLANTED AT THE RECOMMENDED PLANTING RATE AND SPACING.

5. ALL PLANTS SHALL BE PLANTED AT THE RECOMMENDED PLANTING RATE AND SPACING.

NO.	SYMBOL	PLANT LIST	QUANTITY	SIZE	DATE
1	(Symbol)	PLANT LIST	QUANTITY	SIZE	DATE
2	(Symbol)	PLANT LIST	QUANTITY	SIZE	DATE
3	(Symbol)	PLANT LIST	QUANTITY	SIZE	DATE
4	(Symbol)	PLANT LIST	QUANTITY	SIZE	DATE
5	(Symbol)	PLANT LIST	QUANTITY	SIZE	DATE
6	(Symbol)	PLANT LIST	QUANTITY	SIZE	DATE
7	(Symbol)	PLANT LIST	QUANTITY	SIZE	DATE
8	(Symbol)	PLANT LIST	QUANTITY	SIZE	DATE
9	(Symbol)	PLANT LIST	QUANTITY	SIZE	DATE
10	(Symbol)	PLANT LIST	QUANTITY	SIZE	DATE

<p><b>LANDSCAPE PLAN</b></p> <p>C-160</p>	<p>DATE: 08/12/2014</p> <p>PROJECT: RANDOM RIDGE</p> <p>CLIENT: TOWN OF GARDNER</p> <p>SCALE: 1/8" = 1'-0"</p>	<p>REVISIONS:</p> <table border="1"> <thead> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>ISSUED FOR PERMIT REVIEW</td> <td>08/12/2014</td> </tr> <tr> <td>2</td> <td>ISSUED FOR PERMIT REVIEW</td> <td>08/12/2014</td> </tr> <tr> <td>3</td> <td>ISSUED FOR PERMIT REVIEW</td> <td>08/12/2014</td> </tr> </tbody> </table>	NO.	DESCRIPTION	DATE	1	ISSUED FOR PERMIT REVIEW	08/12/2014	2	ISSUED FOR PERMIT REVIEW	08/12/2014	3	ISSUED FOR PERMIT REVIEW	08/12/2014	<p><b>PERMITS:</b></p> <p>1. TOWN OF GARDNER</p> <p>2. STATE OF NEW YORK</p> <p>3. FEDERAL AGENCY</p>	<p><b>CONTACT:</b></p> <p>4 OLD ROUTE 6, BROOKTON, NEW YORK 12804</p> <p>PHONE: 518-438-7801 FAX: 518-438-7804</p>
	NO.	DESCRIPTION	DATE													
1	ISSUED FOR PERMIT REVIEW	08/12/2014														
2	ISSUED FOR PERMIT REVIEW	08/12/2014														
3	ISSUED FOR PERMIT REVIEW	08/12/2014														



PRELIMINARY SUBDIVISION PLAN

Scale: 1" = 100'

DATE: 10/15/10

PROJECT: RESIDENTIAL CLUSTER DEVELOPMENT FOR RANDOM RIDGE TOWN OF CARROLL

AREA OF TOTAL: 230 AC  
 CLUSTER WITH TOTAL LOT AREA: 680 AC  
 UTILITY TRUNKLINE TOTAL AREA: 230 AC  
 TOTAL TRUNKLINE AREA: 680 AC  
 TOTAL LOT AREA: 680 AC

**SCHEDULE OF AREAS**

RESIDENTIAL CLUSTER DEVELOPMENT	AREA (AC)
CLUSTER WITH TOTAL LOT AREA	680
UTILITY TRUNKLINE TOTAL AREA	230
TOTAL TRUNKLINE AREA	680
TOTAL LOT AREA	680

**RESIDENTIAL CLUSTER DEVELOPMENT BULK SCHEDULE**

RESIDENTIAL CLUSTER DEVELOPMENT	NUMBER	PROPOSED
CLUSTER WITH TOTAL LOT AREA	680	680
UTILITY TRUNKLINE TOTAL AREA	230	230
TOTAL TRUNKLINE AREA	680	680
TOTAL LOT AREA	680	680

**CARROLL PLANNING BOARD APPROVAL**

APPROVED BY: \_\_\_\_\_

DATE: \_\_\_\_\_

**RESIDENTIAL CLUSTER DEVELOPMENT**

**RESIDENTIAL CLUSTER DEVELOPMENT NOTES**

1. THIS PLAN IS A PRELIMINARY SUBDIVISION PLAN AND IS NOT TO BE USED FOR CONSTRUCTION.
2. THE TOTAL AREA OF THE SUBDIVISION IS 230 AC.
3. THE TOTAL AREA OF THE CLUSTER WITH TOTAL LOT AREA IS 680 AC.
4. THE TOTAL AREA OF THE UTILITY TRUNKLINE TOTAL AREA IS 230 AC.
5. THE TOTAL AREA OF THE TOTAL TRUNKLINE AREA IS 680 AC.
6. THE TOTAL AREA OF THE TOTAL LOT AREA IS 680 AC.
7. THE TOTAL AREA OF THE TOTAL TRUNKLINE AREA IS 680 AC.
8. THE TOTAL AREA OF THE TOTAL LOT AREA IS 680 AC.
9. THE TOTAL AREA OF THE TOTAL TRUNKLINE AREA IS 680 AC.
10. THE TOTAL AREA OF THE TOTAL LOT AREA IS 680 AC.

**RESIDENTIAL CLUSTER DEVELOPMENT NOTES**

1. THIS PLAN IS A PRELIMINARY SUBDIVISION PLAN AND IS NOT TO BE USED FOR CONSTRUCTION.
2. THE TOTAL AREA OF THE SUBDIVISION IS 230 AC.
3. THE TOTAL AREA OF THE CLUSTER WITH TOTAL LOT AREA IS 680 AC.
4. THE TOTAL AREA OF THE UTILITY TRUNKLINE TOTAL AREA IS 230 AC.
5. THE TOTAL AREA OF THE TOTAL TRUNKLINE AREA IS 680 AC.
6. THE TOTAL AREA OF THE TOTAL LOT AREA IS 680 AC.
7. THE TOTAL AREA OF THE TOTAL TRUNKLINE AREA IS 680 AC.
8. THE TOTAL AREA OF THE TOTAL LOT AREA IS 680 AC.
9. THE TOTAL AREA OF THE TOTAL TRUNKLINE AREA IS 680 AC.
10. THE TOTAL AREA OF THE TOTAL LOT AREA IS 680 AC.

**RESIDENTIAL CLUSTER DEVELOPMENT GENERAL NOTES**

1. THIS PLAN IS A PRELIMINARY SUBDIVISION PLAN AND IS NOT TO BE USED FOR CONSTRUCTION.
2. THE TOTAL AREA OF THE SUBDIVISION IS 230 AC.
3. THE TOTAL AREA OF THE CLUSTER WITH TOTAL LOT AREA IS 680 AC.
4. THE TOTAL AREA OF THE UTILITY TRUNKLINE TOTAL AREA IS 230 AC.
5. THE TOTAL AREA OF THE TOTAL TRUNKLINE AREA IS 680 AC.
6. THE TOTAL AREA OF THE TOTAL LOT AREA IS 680 AC.
7. THE TOTAL AREA OF THE TOTAL TRUNKLINE AREA IS 680 AC.
8. THE TOTAL AREA OF THE TOTAL LOT AREA IS 680 AC.
9. THE TOTAL AREA OF THE TOTAL TRUNKLINE AREA IS 680 AC.
10. THE TOTAL AREA OF THE TOTAL LOT AREA IS 680 AC.

**PRELIMINARY SUBDIVISION PLAN**

DATE: 10/15/10

PROJECT: RESIDENTIAL CLUSTER DEVELOPMENT FOR RANDOM RIDGE TOWN OF CARROLL

AREA OF TOTAL: 230 AC  
 CLUSTER WITH TOTAL LOT AREA: 680 AC  
 UTILITY TRUNKLINE TOTAL AREA: 230 AC  
 TOTAL TRUNKLINE AREA: 680 AC  
 TOTAL LOT AREA: 680 AC

**PRELIMINARY SUBDIVISION PLAN**

DATE: 10/15/10

PROJECT: RESIDENTIAL CLUSTER DEVELOPMENT FOR RANDOM RIDGE TOWN OF CARROLL

AREA OF TOTAL: 230 AC  
 CLUSTER WITH TOTAL LOT AREA: 680 AC  
 UTILITY TRUNKLINE TOTAL AREA: 230 AC  
 TOTAL TRUNKLINE AREA: 680 AC  
 TOTAL LOT AREA: 680 AC

