ROBERT LAGA Chairman

TOWN OF CARMEL ENVIRONMENTAL CONSERVATION BOARD

BOARD MEMBERS

NICHOLAS FANNIN Vice Chairman

ROSE TROMBETTA Secretary

CARMET AND THE STREET AND THE STREET

60 McAlpin Avenue Mahopac, New York 10541 Tel. (845) 628-1500 - Ext. 190 www.ci.carmel.ny.us Edward Barnett Vincent Turano John Starace

ENVIRONMENTAL CONSERVATION BOARD AGENDA

MAY 18, 2017 - 7:30 P.M.

ELIGIBLE FOR A PERMIT

APPLICANT	ADDRESS	TAX MAP #	COMMENTS			
1. Hamilton, Jennifer & Brian	62 Sycamore Rd	65.17-1-1	Construct 2 Car Garage & Patio			
2. Stevens, Harry	103 Hill Street	64.18-1-23	Construct 3 Car Attached Garage			
EXTENSION OF WETLA	EXTENSION OF WETLAND PERMIT					
3. Random Ridge Subdivision	Kennicut Hill Rd	76.10-1-23	29 Lot Cluster Subdivision			
PLANNING BOARD REFERRAL						
Western Bluff Subdivision (Santucci)	350 West Shore Dr.	66.14-1-20	3 Lot Subdivision			

MISCELLANEOUS

5. Minutes - 04/06/17 & 04/20/17



May 2, 2017

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

Re: Random Ridge

Dear Chairman Laga and Members of the Board:

The Random Ridge project is moving forward with a majority of the site work completed. The wetland permit issued by the Town of Carmel is set to expire on 6/2/17. We request that the permit be renewed at this time with a 2 year time period.

Sincerely,

PUTNAM ENGINEERING, PLLC

Paul M. Lynch, P.E.

PML/tal

(L01728)



VIA HAND DELIVERED

May 15, 2017

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

Attn: Mr. Robert Laga,

Chairman

RE: Western Bluff Subdivision

Section 66.14, Block 1, Lot 20

350 West Shore Drive

Dear Mr. Laga:

On behalf of the applicant, Dominick Santucci, please find enclosed one (1) original and three (3) copies of the following documents in support of Application for Wetland Permit for the referenced project.

- Preliminary Subdivision Plans, prepared by Kellard Sessions Consulting, P.C. dated (last revised) May 15, 2017
 - Cover Sheet
 - Sheet 1/9 Existing Conditions Plan
 - Sheet 2/9 Subdivision Plan
 - Sheet 3/9 Sediment & Erosion Control Plan
 - Sheet 4/9 Tree Removal Plan
 - Sheet 5/9 Construction Details
 - Sheet 6/9 Sediment & Erosion Control Details & Notes
 - Sheet 7/9 Driveway Profiles
 - Sheet 8/9 Alternate Subdivision Plan
 - Sheet 9/9 Alternate Driveway Profiles
- ☐ Application for Wetland Permit
- ☐ Deed

CIVIL ENGINEERING • LANDSCAPE ARCHITECTURE • SITE & ENVIRONMENTAL PLANNING

Mr. Robert Laga May 15, 2017 Page 2

	Project	Narrative	dated	May	15.	2017
_	Project	Narrative	dated	May	15,	201

- ☐ Full Environmental Assessment Form Parts 1, 2 and 3
- ☐ Wetland Permit Application Fee \$1,000.00 (to be submitted under separate cover)
- ☐ CD of entire submission

I would request being placed on the May 18, 2017 Environmental Conservation Board agenda to discuss the project.

Very truly yours,

John Kellard, P.E.

Kellard Sessions Consulting, P.C.

JK/pg

Enclosures

cc: Carl Kling

Dominick Santucci w/Enc. Carmel Town Clerk w/Enc.



PROJECT NARRATIVE FOR WESTERN BLUFF SUBDIVISION

May 15, 2017

The project consists of a three (3) lot subdivision on 14.79 acres located on the eastern side of West Shore Drive. The parcel has 1,300 feet of frontage and portions of the site include steep slopes and wetlands. A residential dwelling is located within the southern portion of the parcel. The three (3) new lots have been designed with new single-family residences. Each lot will be serviced by individual on-site wells and subsurface sewage disposal systems designed to accommodate four (4) bedroom residences. Access has been designed with a single curb cut to accommodate all three (3) residences. Two (2) residences will be accessed through a common driveway. The third residence will have a single driveway. A portion of the common driveway is located within the wetland buffer. Stormwater designs will be in conformance with Local, State and New York City stormwater regulations.

P:\Stc100\Corresp\STC100-ProjectNarrative-05-17.docx

ROBERT LAGA Chairman

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APPLICATI	ON FOR WETLAND PERM	IIT OR LETTER OF PERMISSION
	Description Section :	
Name of Applicant:	Dominick Santucci	
Address of Applicar	nt:_ 15 Travis Lane, Montrose, NY 105	48 Email:
Telephone#	Name and Address	of Owner if different from Applicant:
Carl Kling, 440 Colon	y Drive, Whiteland, Indiana 46184	
Property Address:_	350 West Shore Drive, Carmel, NY 105	512 Tax Map # 66.14-1-20
Agency Submitting . Location of Wetland	Application if Applicable: Kellard East of West Shore Drive	
		disturbance on westerly portion of project site
	State Owned Lands? If Yes, Speci	
details). Construction of a comm	mon driveway and stormwater treatmer	regulated activity (attach supporting nt system within the locally designated wetland buffer
along West Shore Driv	e.	
Proposed Start Date	Spring 2018 Anticipated Comple	tion Date: Spring 2020 Fee Paid \$ 1,000.00
true to the best of a Class A misdemer issuance of a permi indirect, or whateve here-in and agrees	my knowledge and belief, false anor pursuant to Section 210.45 t, the applicant accepts full leg er nature, and by whomever su	/ /
	ATURE	5/12/2017

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:				
Western Bluff Subdivision				
Project Location (describe, and attach a general location map):				
350 West Shore Drive, Carmel, New York 10512				
Brief Description of Proposed Action (include purpose or need):		-		
The project consists of a 14.79 acre parcel with an existing single-family residence. The app Subdivision) which shall be served by individual wells, septics and common driveway.	licant is proposing a three (3) lot sul	bdivision (Western Bluff		
Name of Applicant/Sponsor:	Telephone: 914-447-1057			
Dominick Santucci		***		
	E-Mail: dsantucci@santuccicon	struction.com		
Address: 15 Travis Lane				
City/PO: Montrose	State: New York	Zip Code: 10548		
Project Contact (if not same as sponsor; give name and title/role):	Telephone:			
	E-Mail:			
Address:				
City/PO:	State:	Zip Code:		
Property Owner (if not same as sponsor):	Telephone: 317-535-3363			
Carl Kling E-Mail:				
Address:		-		
440 Colony Drive				
City/PO: Whiteland	State: Indiana	Zip Code: 46184		

B. Government Approvals

B. Government Approvals, Funding, or Spoassistance.)	nsorship. ("Funding" includes grants, loans, ta	x relief, and any other	er forms of financia
Government Entity	If Yes: Identify Agency and Approval(s) Required	(7) P	tion Date projected)
a. City Council, Town Board, ☐Yes ☑No or Village Board of Trustees			
b. City, Town or Village ✓ Yes No Planning Board or Commission	Carmel Planning Board		
c. City Council, Town or ✓Yes□No Village Zoning Board of Appeals	Carmel Zoning Board of Appeals		
d. Other local agencies ✓Yes□No	Carmel Environmental Conservation Board		
e. County agencies ☑Yes□No	Putnam County Planning & Highway Westchester County Department of Health		
f. Regional agencies ☐Yes☑No			
g. State agencies ✓Yes□No	NYSDEC, NYCDEP, NYS OPRHP		
h. Federal agencies	Army Corps of Engineers		
i. Is the project site within a Coastal Area, o	r the waterfront area of a Designated Inland Wawith an approved Local Waterfront Revitalizati Hazard Area?		☐ Yes☑No☐ Yes☑No☐ Yes☑No☐ Yes☑No
C.1. Planning and zoning actions.			
Will administrative or legislative adoption, or an only approval(s) which must be granted to enable If Yes, complete sections C, F and G. If No, proceed to question C.2 and complete sections C.2.	nendment of a plan, local law, ordinance, rule of le the proposed action to proceed? uplete all remaining sections and questions in Pa		□Yes Z No
C.2. Adopted land use plans.			
a. Do any municipally- adopted (city, town, vill where the proposed action would be located? If Yes, does the comprehensive plan include spe would be located?	cific recommendations for the site where the pro-	oposed action	☑Yes□No □Yes☑No
b. Is the site of the proposed action within any lost Brownfield Opportunity Area (BOA); designation or other?) If Yes, identify the plan(s): NYC Watershed	ocal or regional special planning district (for exa ted State or Federal heritage area; watershed m	mple: Greenway anagement plan;	☑ Yes□No
c. Is the proposed action located wholly or partie or an adopted municipal farmland protection If Yes, identify the plan(s):	ally within an area listed in an adopted municipaplan?	al open space plan,	□Yes ☑No

C.3. Zoning	
a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance. If Yes, what is the zoning classification(s) including any applicable overlay district? R-Residential	✓ Yes No
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? If Yes, i. What is the proposed new zoning for the site?	☐ Yes ☑ No
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 Fire Department	
d. What parks serve the project site? Carmel Recreation & Parks, Wells Park, Southeast Town Park	
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, components)? Residential 	include all
b. a. Total acreage of the site of the proposed action? b. Total acreage to be physically disturbed? c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 14.79 acres 14.79 acres	
 c. Is the proposed action an expansion of an existing project or use? i. If Yes, what is the approximate percentage of the proposed expansion and identify the units (e.g., acres, miles, I square feet)? %	Yes No nousing units,
 d. Is the proposed action a subdivision, or does it include a subdivision? If Yes, i. Purpose or type of subdivision? (e.g., residential, industrial, commercial; if mixed, specify types) Residential 	Z Yes □No
ii. Is a cluster/conservation layout proposed?iii. Number of lots proposed?3	□Yes ☑ No
iv. Minimum and maximum proposed lot sizes? Minimum	
e. Will proposed action be constructed in multiple phases? i. If No, anticipated period of construction: 24 months ii. If Yes:	☐ Yes ✓ No
 Total number of phases anticipated Anticipated commencement date of phase 1 (including demolition) month year Anticipated completion date of final phase month year Generally describe connections or relationships among phases, including any contingencies where progress determine timing or duration of future phases: One phase for construction of common driveways/infrastructure, however, development of individual lots/driveways will on market conditions dictate. 	

f. Does the project	ct include new resid	dential uses?			Z Yes □ No
	bers of units propo				M I cs I Ivo
	One Family	Two Family	Three Family	Multiple Family (four or more)	
Initial Phase	3	0	0	0	
At completion of all phases	3	0	0	0	
If Yes, i. Total number ii. Dimensions (iii. Approximate	of structures in feet) of largest p extent of building	roposed structure: space to be heated	height; or cooled:	width; andlengthsquare feet result in the impoundment of any	□Yes ☑ No
liquids, such a If Yes,	s creation of a wate	r supply, reservoir	, pond, lake, waste la	goon or other storage? Ground water Surface water stream	
iii. If other than v	vater, identify the ty	pe of impounded/	contained liquids and	their source.	
iv. Approximate v. Dimensions o vi. Construction	size of the propose f the proposed dam method/materials f	d impoundment. or impounding str for the proposed da	Volume: ructure: m or impounding stru	million gallons; surface area: _ height; length ucture (e.g., earth fill, rock, wood, con	crete):
D.2. Project Op	erations				
(Not including materials will read of the second of the se	general site prepara emain onsite) rpose of the excava terial (including roo (specify tons or cub at duration of time)	ation, grading or in ation or dredging? ck, earth, sediments bic yards):	stallation of utilities of of	be removed from the site? ed, and plans to use, manage or dispose	
iv. Will there be If yes, describ	onsite dewatering one.	•	cavated materials?		Yes No
vi. What is the ma vii. What would b viii. Will the exca	e the maximum dep vation require blast	worked at any one oth of excavation oing?	time? r dredging?	acres acres feet	□Yes□No
into any existir If Yes: i. Identify the w	ng wetland, waterbo	ody, shoreline, beau which would be a	ch or adjacent area? affected (by name, wa	rease in size of, or encroachment	0 0 1

ä	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: Installation of driveway and stormwater treatment system within wetland setback.			
-				
	Will proposed action cause or result in disturbance to bottom sediments? If Yes, describe:	☐ Yes Z No		
iv.	Will proposed action cause or result in the destruction or removal of aquatic vegetation? If Yes:	☐ Yes ZNo		
	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):			
<i>V</i> . 1	Describe any proposed reclamation/mitigation following disturbance: Planting to enhance buffer between improvements and wetland. Rip rap at stormwater discharge.			
c. w	ill the proposed action use, or create a new demand for water?	✓ Yes □No		
	Fotal anticipated water usage/demand per day:			
	Will the proposed action obtain water from an existing public water supply?	☐Yes Z No		
IfY		L 1 C3 WINO		
	Name of district or service area:			
3	Does the existing public water supply have capacity to serve the proposal?	☐Yes☐No		
9	Is the project site in the existing district?	☐ Yes ☐ No		
	Is expansion of the district needed?	☐ Yes☐ No		
3	• Do existing lines serve the project site?	☐ Yes☐ No		
iii. V	Will line extension within an existing district be necessary to supply the project?	☐Yes Z No		
IfYe		I cs WINO		
,	Describe extensions or capacity expansions proposed to serve this project:			
	Source(s) of supply for the district:			
iv. I If, Y	s a new water supply district or service area proposed to be formed to serve the project site?	☐ Yes Z No		
	Applicant/sponsor for new district:			
	Date application submitted or anticipated:			
•	Proposed source(s) of supply for new district:			
	f a public water supply will not be used, describe plans to provide water supply for the project:			
vi. It	An individual private potable water well will be drilled on each lot. Each well will require approval from Putnam County Depar water supply will be from wells (public or private), maximum pumping capacity:	tment of Health.		
d. W	ill the proposed action generate liquid wastes?	✓ Yes □No		
IfYe	s:			
i. T	otal anticipated liquid waste generation per day:			
ii. N	lature of liquid wastes to be generated (e.g., sanitary wastewater, industrial; if combination, describe all comp	onents and		
	pproximate volumes or proportions of each):			
$\frac{1}{0}$	he three (3) single-family residential units will result in approximately $\pm 2,000$ gpd of sanitary wastewater/gray water to be disconsisted sanitary sewage treatment systems (3 units x 4 bedrooms/unit = 12 bedrooms x 150 gpd = 1,800 gpd).	charged to individual		
iii. W	/ill the proposed action use any existing public wastewater treatment facilities?	☐ Yes Z No		
•	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? Will line extension within an existing district have a serve the site.	□Yes Z No
	 Will line extension within an existing district be necessary to serve the project? If Yes: 	☐Yes Z No
	 Describe extensions or capacity expansions proposed to serve this project: 	
	Describe extensions of capacity expansions proposed to serve this project:	
iv.	Will a new wastewater (sewage) treatment district be formed to serve the project site?	☐ Yes ☑ No
Bisson	If Yes:	I com
	Applicant/sponsor for new district:	
	Date application submitted or anticipated:	
-,	What is the receiving water for the wastewater discharge? If public facilities will not be used described by the second	
v.	If public facilities will not be used, describe plans to provide wastewater treatment for the project, including spereceiving water (name and classification if surface discharge, or describe subsurface disposal plans):	
20	An individual sanitary sewage treatment system will be installed on each lot. Each SSTS will require approval from the Putnal Department of Health.	am County
vi.	Describe any plans or designs to capture, recycle or reuse liquid waste:	
	None	
e. V	Will the proposed action disturb more than one acre and create stormwater runoff, either from new point	Z Yes □No
5	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: How much impervious surface will the project create in relation to the latin of the same to	
I.	How much impervious surface will the project create in relation to total size of project parcel? 33,000 Square feet or8 acres (impervious surface)	
	644, 463 Square feet or 14.79 acres (parcel size)	
ii.	Describe types of new point sources. Stormwater runoff from new impervious surfaces (roofs, driveways, etc.) will be dire	-tad to proposed
	Describe types of new point sources. Stormwater runoff from new impervious surfaces (roofs, driveways, etc.) will be direct stormwater treatment practices.	sted to proposed
iii.	Where will the stormwater runoff be directed (i.e. on-site stormwater management facility/structures adjacent n	properties,
	groundwater, on-site surface water or off-site surface waters)?	·-F
	On-site stormwater facility and off-site surface.	
	If to surface waters, identify receiving water bodies or wetlands:	
	Croton Reservoir	
	Will stormwater runoff flow to adjacent properties?	☐ Yes ✓ No
iv. 1	Does proposed plan minimize impervious surfaces, use pervious materials or collect and re-use stormwater?	☐ Yes ☑ No
f. L	Does the proposed action include, or will it use on-site, one or more sources of air emissions, including fuel	□Yes ☑ No
C	combustion, waste incineration, or other processes or operations?	
	Yes, identify: Mobile sources during project operations (e.g., heavy equipment, float or delivery vehicles)	
**	. Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles)	
ii.	Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers)	
iii.	Stationary sources during operations (e.g., process emissions, large boilers, electric generation)	
31		
g. w	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 Z No
	Yes:	
	s the project site located in an Air quality non-attainment area? (Area routinely or periodically fails to meet	
a	ambient air quality standards for all or some parts of the year)	□Yes ☑ No
i. Ir	In addition to emissions as calculated in the application, the project will generate:	
	•Tons/year (short tons) of Carbon Dioxide (CO ₂)	
	•Tons/year (short tons) of Nitrous Oxide (N ₂ O)	
	 Tons/year (short tons) of Perfluorocarbons (PFCs) 	
	•Tons/year (short tons) of Sulfur Hexafluoride (SF ₆)	
	Tons/year (short tons) of Carbon Dioxide equivalent of Hydroflourocarbons (HFCs)	
	Tons/year (short tons) of Hazardous Air Pollutants (HAPs)	

h. Will the proposed action generate or emit methane (includent landfills, composting facilities)? If Yes:	uding, but not limited to, sewage treatment plants,	☐Yes ☑ No
 i. Estimate methane generation in tons/year (metric): ii. Describe any methane capture, control or elimination melectricity, flaring): 	neasures included in project design (e.g., combustion to g	enerate heat or
 i. Will the proposed action result in the release of air pollut quarry or landfill operations? If Yes: Describe operations and nature of emissions (e.g., or example) 		∏Yes ∏ No
j. Will the proposed action result in a substantial increase in new demand for transportation facilities or services? If Yes: i. When is the peak traffic expected (Check all that apply Randomly between hours of to iii. For commercial activities only, projected number of se iii. Parking spaces: Existing	r): □Morning □Evening □Weekend	∏Yes , No
 iv. Does the proposed action include any shared use parking v. If the proposed action includes any modification of existing proposed action includes any modification of existing proposed action include access to public transport or other alternative fueled vehicles? viii. Will the proposed action include plans for pedestrian of pedestrian or bicycle routes? 	ng? isting roads, creation of new roads or change in existing a available within ½ mile of the proposed site? cortation or accommodations for use of hybrid, electric	□Yes□No
 k. Will the proposed action (for commercial or industrial proposed for energy? If Yes: i. Estimate annual electricity demand during operation of the project other): ii. Anticipated sources/suppliers of electricity for the project other): 	the proposed action:	
iii. Will the proposed action require a new, or an upgrade to	o, an existing substation?	□Yes □ No
I. Hours of operation. Answer all items which apply. i. During Construction: Monday - Friday: Saturday: Saturday: N/A Holidays: N/A	 ii. During Operations: Monday - Friday: Saturday: Sunday: Holidays: 	

Ify	Will the proposed action produce noise that will exceed existing ambient noise levels during construction, operation, or both? yes: Provide details including sources, time of day and duration:	☐ Yes ☑ No
	Will proposed action remove existing natural barriers that could act as a noise barrier or screen? Describe:	□Yes□No
If:	Will the proposed action have outdoor lighting? yes: Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures:	☐ Yes Z No
	Will proposed action remove existing natural barriers that could act as a light barrier or screen? Describe:	□Yes□No
	Does the proposed action have the potential to produce odors for more than one hour per day? If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures:	☐ Yes ☑ No
If Y i. 1 ii.	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? Ves: Product(s) to be stored Volume(s) per unit time (e.g., month, year) Generally describe proposed storage facilities:	☐ Yes ☑ No
i If Y	Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, nsecticides) during construction or operation? Yes: Describe proposed treatment(s):	☐ Yes ☑ No
ii.	Will the proposed action use Integrated Pest Management Practices?	☐ Yes ☐No
r. W of If Y	Vill the proposed action (commercial or industrial projects only) involve or require the management or disposal f solid waste (excluding hazardous materials)? Ves:	Yes No
1.	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. F	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 V 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):	Tot the site (e.g., ree) ening	or transfer station, compostin	ig, iaiidiii, oi	
ii. Anticipated rate of disposal/processing:				
• Tons/month, if transfer or other non-c		ent, or		
• Tons/hour, if combustion or thermal t	reatment			
iii. If landfill, anticipated site life:	years			
t. Will proposed action at the site involve the commercial waste?	generation, treatment, stora	age, or disposal of hazardous	Yes ✓ No	
If Yes:				
i. Name(s) of all hazardous wastes or constituents to be	generated, handled or man	aged at facility:		
		· ,		
ii. Generally describe processes or activities involving ha	azardana mastas ar sanstitu			
m. Generally describe processes of activities involving in	azardous wastes or constitu	ents.		
iii. Specify amount to be handled or generated to	ns/month			
iv. Describe any proposals for on-site minimization, recy	cling or reuse of nazardous	s constituents:		
v. Will any hazardous wastes be disposed at an existing	offsite hazardous waste fac	ility?	□Yes□No	
If Yes: provide name and location of facility:				
If No: describe proposed management of any hazardous w	vastes which will not be ser	nt to a hazardous waste facili	tv:	
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 p ☐ Urban ☐ Industrial ☐ Commercial ☑ Reside	project site.	1(()		
✓ Forest ☐ Agriculture ☐ Aquatic ✓ Other of the commercial ✓ Resides	(specify): Watershed	ai (non-iarm)		
ii. If mix of uses, generally describe:	(Specify). Watershed			
b. Land uses and covertypes on the project site.				
Land use or	Current	Acreage After	Change	
Covertype	Acreage	Project Completion	(Acres +/-)	
 Roads, buildings, and other paved or impervious surfaces 	0.08	.8	+0.72	
• Forested	13.27	10.13	-3.14	
Meadows, grasslands or brushlands (non-	13.27	10.13	-3.14	
agricultural, including abandoned agricultural)	-	-	-	
Agricultural	N/A	N/A	N/A	
(includes active orchards, field, greenhouse etc.)	N/A	N/A	IN/A	
Surface water features	N/A	N/A	N/A	
(lakes, ponds, streams, rivers, etc.)			ING	
Wetlands (freshwater or tidal)	1.33	1.33	0	
Non-vegetated (bare rock, earth or fill)	.1	.1	0	
• Other				
Describe: <u>Lawn/Landscaping</u>	0.01	2.43	+2.42	
		1		

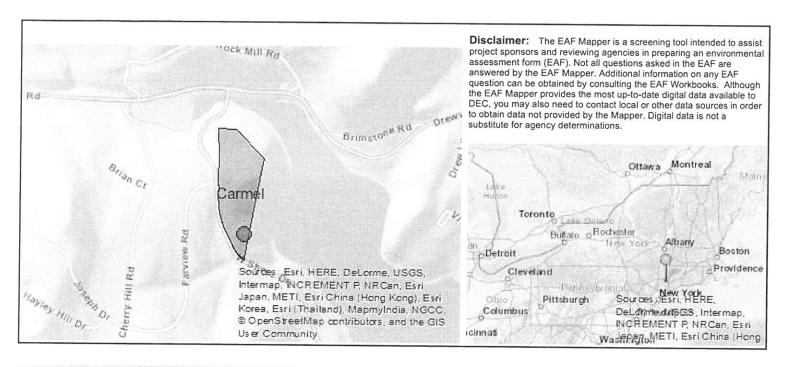
c. Is the project site presently used by members of the community for public recreation? i. If Yes: explain:	□Yes☑No
 d. Are there any facilities serving children, the elderly, people with disabilities (e.g., schools, hospitals, licensed day care centers, or group homes) within 1500 feet of the project site? If Yes, i. Identify Facilities: 	☐ Yes No
e. Does the project site contain an existing dam? If Yes: i. Dimensions of the dam and impoundment: Dam height: Dam length: Surface area: general feet feet acres	☐ Yes Z No
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.	☐ Yes Z No
or does the project site adjoin property which is now, or was at one time, used as a solid waste management facilityes: i. Has the facility been formally closed? • If yes, cite sources/documentation: ii. Describe the location of the project site relative to the boundaries of the solid waste management facility:	lity? □Yes□ No
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? If Yes: i. Describe waste(s) handled and waste management activities, including approximate time when activities occurred 	□Yes☑No ed:
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? If Yes:	☐Yes No
 i. Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site Remediation database? Check all that apply: Yes – Spills Incidents database Yes – Environmental Site Remediation database Provide DEC ID number(s): Provide DEC ID number(s): 	☐ Yes☐ No
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? If yes, provide DEC ID number(s):	□Yes ✓ No
iv. If yes to (i), (ii) or (iii) above, describe current status of site(s):	

v. Is the project site subject to an institutional contro	l limiting property uses?		☐ Yes Z No
 If yes, DEC site ID number: Describe the type of institutional control (e. 	g., deed restriction or easement):		
5 " " "			
 Will the project affect the institutional or en 	gineering 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?	5 feet Per on-site	e soil tests.
b. Are there bedrock outcroppings on the project site?			✓ Yes No
If Yes, what proportion of the site is comprised of bed	lrock outcroppings?	1.0 %	
c. Predominant soil type(s) present on project site:	Cr - Charlton-Chatfield	49.0	•
Lc - Leicester 8.4%	Cs - Chatfield-Charlton Pn - Paxton	20.2	
d. What is the average depth to the water table on the	project site? Average: 3-5		70
e. Drainage status of project site soils: Well Draine			
✓ Moderately	Well Drained: 3.3 % of site		
✓ Poorly Drain	$\frac{8.4}{\%}$ of site		
f. Approximate proportion of proposed action site with		15.2 % of site	
	✓ 10-15%:✓ 15% or greater:	18.9 % of site 65.9 % of site	
g. Are there any unique geologic features on the project			
If Yes, describe:	et site:		☐ Yes Z No
h. Surface water features.			- 10000
<i>i.</i> Does any portion of the project site contain wetland ponds or lakes)?	ds or other waterbodies (including st	reams, rivers,	∠ Yes N o
<i>ii.</i> Do any wetlands or other waterbodies adjoin the pr	oject site?		∠ Yes No
If Yes to either <i>i</i> or <i>ii</i> , continue. If No, skip to E.2.i.			
<i>iii.</i> Are any of the wetlands or waterbodies within or a state or local agency?	djoining the project site regulated b	y any federal,	✓ Yes □No
iv. For each identified regulated wetland and waterbook	dy on the project site, provide the fo	llowing information:	
 Streams: Name 		Classification	
Lakes or Ponds: Name Croton Falls Reservoir Wetlands: Name Town Wetlands		Classification AAA	
• Wetland No. (if regulated by DEC)		Approximate Size ±1.3	15 acres
v. Are any of the above water bodies listed in the most	recent compilation of NYS water q	uality-impaired	☐ Yes Z No
waterbodies? If yes, name of impaired water body/bodies and basis f	for listing as impaired:		
	or nothing as impaired.		
i. Is the project site in a designated Floodway?			☐Yes ☑ No
j. Is the project site in the 100 year Floodplain?			□Yes Z No
k. Is the project site in the 500 year Floodplain?			□Yes☑No
l. Is the project site located over, or immediately adjoin	ning, a primary, principal or sole sou	rce aquifer?	□Yes ☑ No
If Yes: i. Name of aquifer:			
100 to 10			

m. Identify the predominant wildlife species that occupy or use the parameters. *See below.	project site:	
n. Does the project site contain a designated significant natural comm	nunity?	☐ Yes Z No
i. Describe the habitat/community (composition, function, and basis	s for designation):	
ii. Source(s) of description or evaluation:iii. Extent of community/habitat:		
Currently:	acres	
 Following completion of project as proposed: Gain or loss (indicate + or -): 		
o. Does project site contain any species of plant or animal that is liste	acres	☐ Yes ☑ No
A site specific investigation has not been conducted to date; last documented do p. Does the project site contain any species of plant or animal that is		
special concern?	noted by 1415 as rate, of as a species of	□Yes ☑ No
q. Is the project site or adjoining area currently used for hunting, trap If yes, give a brief description of how the proposed action may affect	ping, fishing or shell fishing? that use:	□Yes ☑ No
E.3. Designated Public Resources On or Near Project Site		
a. Is the project site, or any portion of it, located in a designated agric Agriculture and Markets Law, Article 25-AA, Section 303 and 304 If Yes, provide county plus district name/number:	ultural district certified pursuant to 4?	∏Yes☑No
b. Are agricultural lands consisting of highly productive soils present i. If Yes: acreage(s) on project site? ii. Source(s) of soil rating(s):	?	☐Yes ☑No
 Does the project site contain all or part of, or is it substantially con Natural Landmark? If Yes: i. Nature of the natural landmark: ii. Provide brief description of landmark, including values behind description. 	Geological Feature	□Yes ☑ No
d. Is the project site located in or does it adjoin a state listed Critical E f Yes: i. CEA name: ii. Basis for designation:		□Yes ☑ No
ii. Basis for designation:iii. Designating agency and date:		

^{*}A site specific fauna investigation has not been conducted to date. On-site fauna is typical of the area.

e. Does the project site contain, or is it substantially contiguous to, a	building, archaeological site, or district	☐ Yes ✓ No
which is listed on, or has been nominated by the NYS Board of H State or National Register of Historic Places?	istoric Preservation for inclusion on, the	
If Yes:		
i. Nature of historic/archaeological resource: ☐Archaeological Sii. Name:	ite Historic Building or District	
iii. Brief description of attributes on which listing is based:		
C T all		
f. Is the project site, or any portion of it, located in or adjacent to an archaeological sites on the NY State Historic Preservation Office ((SHPO) archaeological site inventory?	□Yes ☑ No
 g. Have additional archaeological or historic site(s) or resources been If Yes; 	identified on the project site?	☐Yes Z No
i. Describe possible resource(s):		
ii. Basis for identification:		
h. Is the project site within fives miles of any officially designated ar	nd publicly accessible federal, state, or local	Z Yes □No
scenic or aesthetic resource? If Yes:		
i Identify resource: County Bood 25		
ii. Nature of, or basis for, designation (e.g., established highway over	erlook, state or local park, state historic trail o	r scenic byway.
Cic.). INTO Scenic Road	2 miles.	
i. Is the project site located within a designated river corridor under		
Flogram o NYCKK 666?	the wild, Seeme and Recreational Rivers	☐ Yes No
If Yes: i. Identify the name of the river and its designation:		
ii. Is the activity consistent with development restrictions contained	in 6NVCRR Part 6669	
	m orvi exter art ooo?	☐Yes ☐No
F. Additional Information		
Attach any additional information which may be needed to clarify ye	our project.	
If you have identified any adverse impacts which could be consist.	d M	
If you have identified any adverse impacts which could be associate measures which you propose to avoid or minimize them.	d with your proposal, please describe those in	npacts plus any
G. Verification		
I certify that the information provided is true to the best of my know	ledge.	
Applicant/Sponsor Name John Kentary E. (Applicant's Sponsor)	Date_January 13, 2017	
	Date salidary 15, 2017	
Signature ###	m'u	
The state of the s	Title	
/		



B.i.i [Coastal or Waterfront Area]	No
B.i.ii [Local Waterfront Revitalization Area]	No
C.2.b. [Special Planning District]	Yes - Digital mapping data are not available for all Special Planning Districts Refer to EAF Workbook.
C.2.b. [Special Planning District - Name]	NYC Watershed Boundary
E.1.h [DEC Spills or Remediation Site - Potential Contamination History]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Listed]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Environmental Site Remediation Database]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.iii [Within 2,000' of DEC Remediation Site]	No
E.2.g [Unique Geologic Features]	No
E.2.h.i [Surface Water Features]	No
E.2.h.ii [Surface Water Features]	Yes
E.2.h.iii [Surface Water Features]	Yes - Digital mapping information on local and federal wetlands and waterbodies is known to be incomplete. Refer to EAF Workbook.
E.2.h.v [Impaired Water Bodies]	No
E.2.i. [Floodway]	No
E.2.j. [100 Year Floodplain]	No
E.2.k. [500 Year Floodplain]	No
E.2.I. [Aquifers]	No
E.2.n. [Natural Communities]	No
E.2.o. [Endangered or Threatened Species]	Yes

L.L.p. [Ivale Idillo VI Allillidio]	140
E.3.a. [Agricultural District]	No
E.3.c. [National Natural Landmark]	No
E.3.d [Critical Environmental Area]	No
E.3.e. [National Register of Historic Places]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.3.f. [Archeological Sites]	No
E.3.i. [Designated River Corridor]	No

PRELIMINARY SUBDIVISION PLAN

FOR WESTERN BLUFF SUBDIVISION

TOWN OF CARMEL, PUTNAM COUNTY, NEW YORK

DATE: JANUARY 13, 2017 REVISED: MAY 01, 2017 REVISED: MAY 15, 2017

SITE DATA

OWNER:

CARL C. KLING 440 COLONY DRIVE WHITELAND, IN 46184

APPLICANT:

DOMINICK SANTUCCI 15 TRAVIS LANE MONTROSE, N.Y. 10548

PROPERTY ADDRESS:

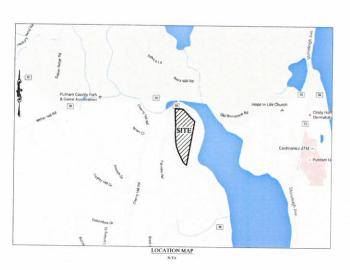
350 WEST SHORE DRIVE CARMEL, N.Y.

TAX MAP DESIGNATION: SECTION: 66.14, BLOCK: 1, LOT 20

LOT AREA:

644,463 S.F. (14.79 AC.)

ZONING DESIGNATION: R-RESIDENTIAL



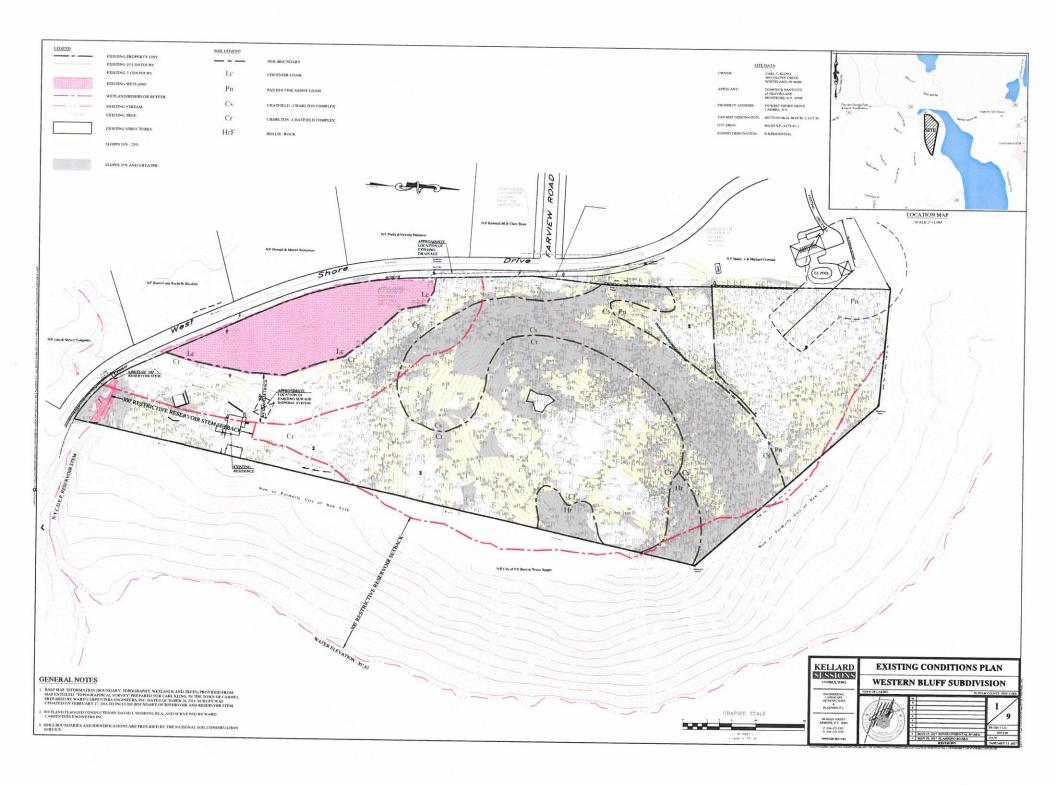
SHEET INDEX

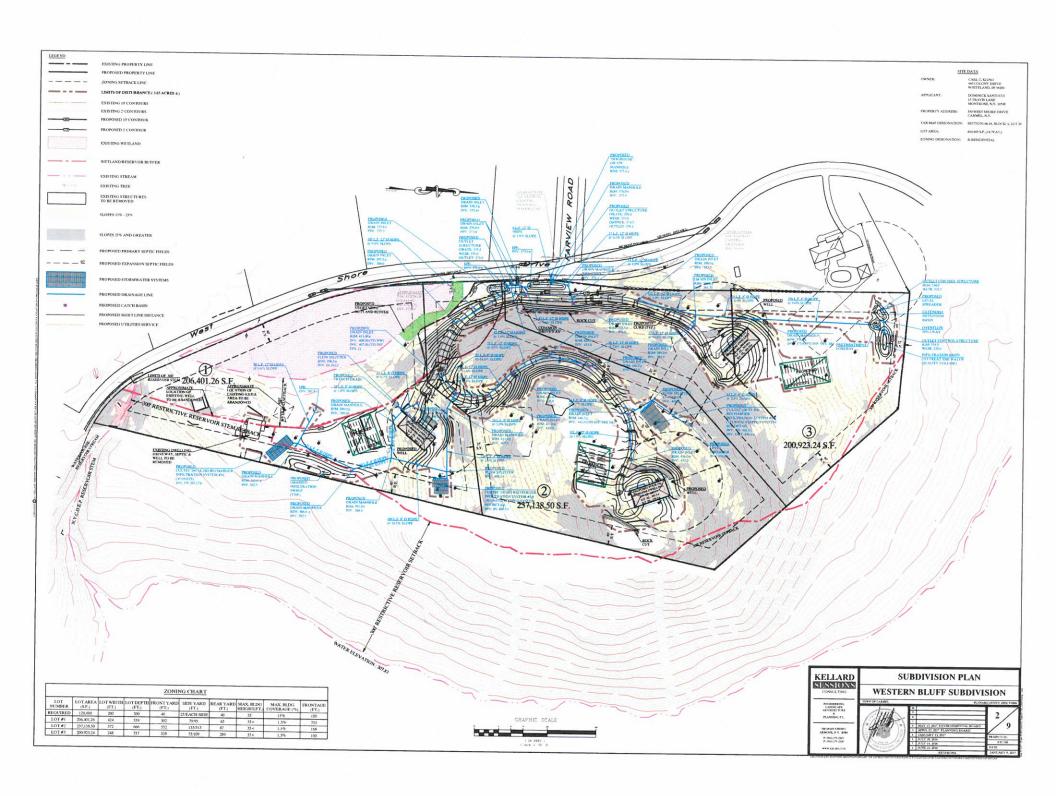
COVER SHEET	
EXISTING CONDITIONS PLAN	1
SUBDIVISION PLAN	2
SEDIMENT & EROSION CONTROL PLAN	3
TREE REMOVAL PLAN	4
CONSTRUCTION DETAILS	5
SEDIMENT & EROSION CONTROL DETAILS & NOTES	6
DRIVEWAY PROFILES	7
ALTERNATE SUBDIVISION PLAN	8
ALTERNATE DRIVEWAY PROFILES	9

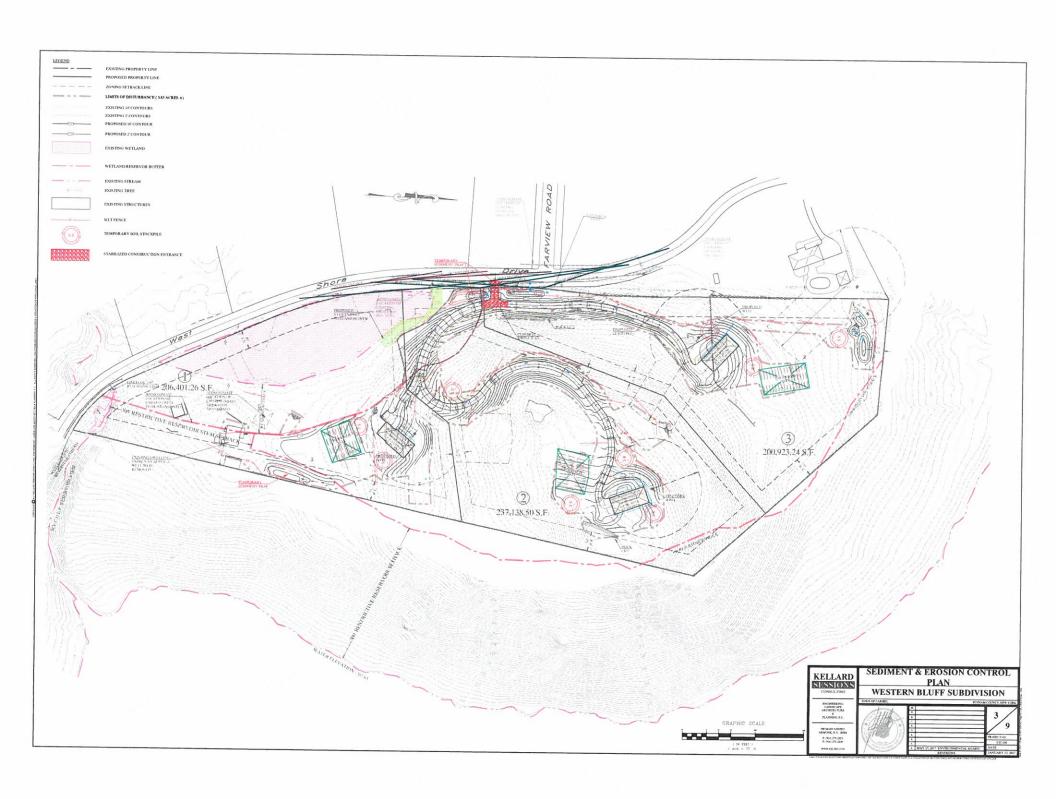
KELLARD
SESSIONS
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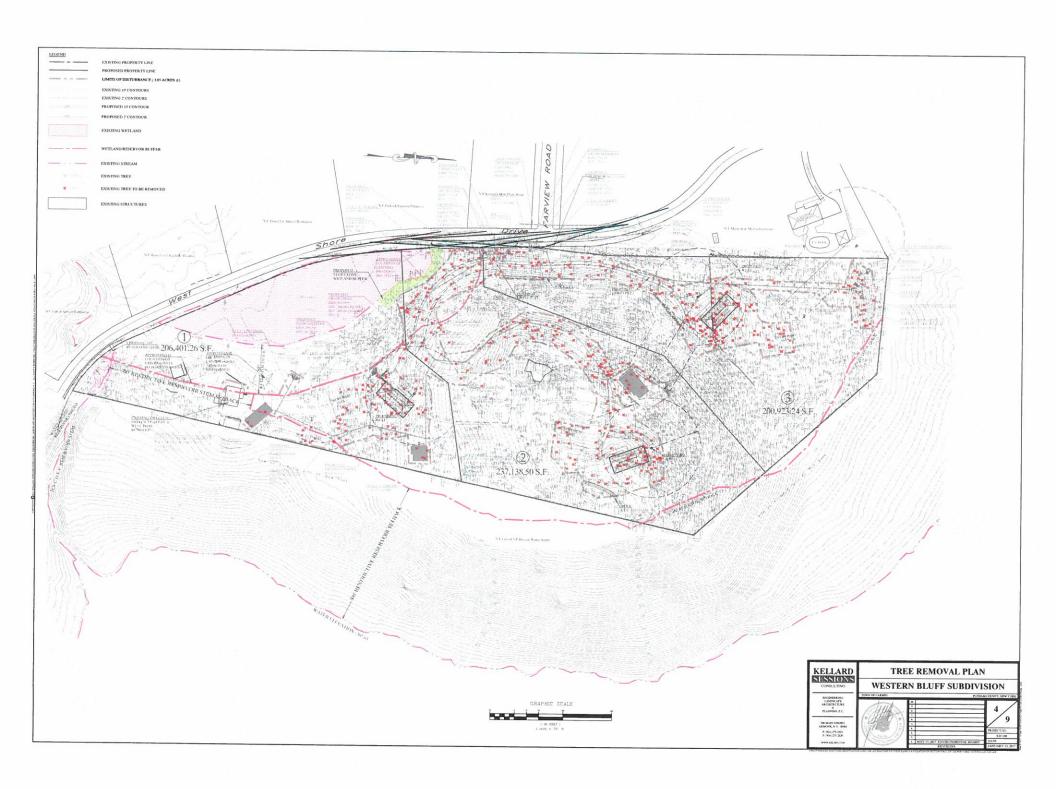
BOURDSHOO, LACGE BOTHER & R. LANGEO, NO.

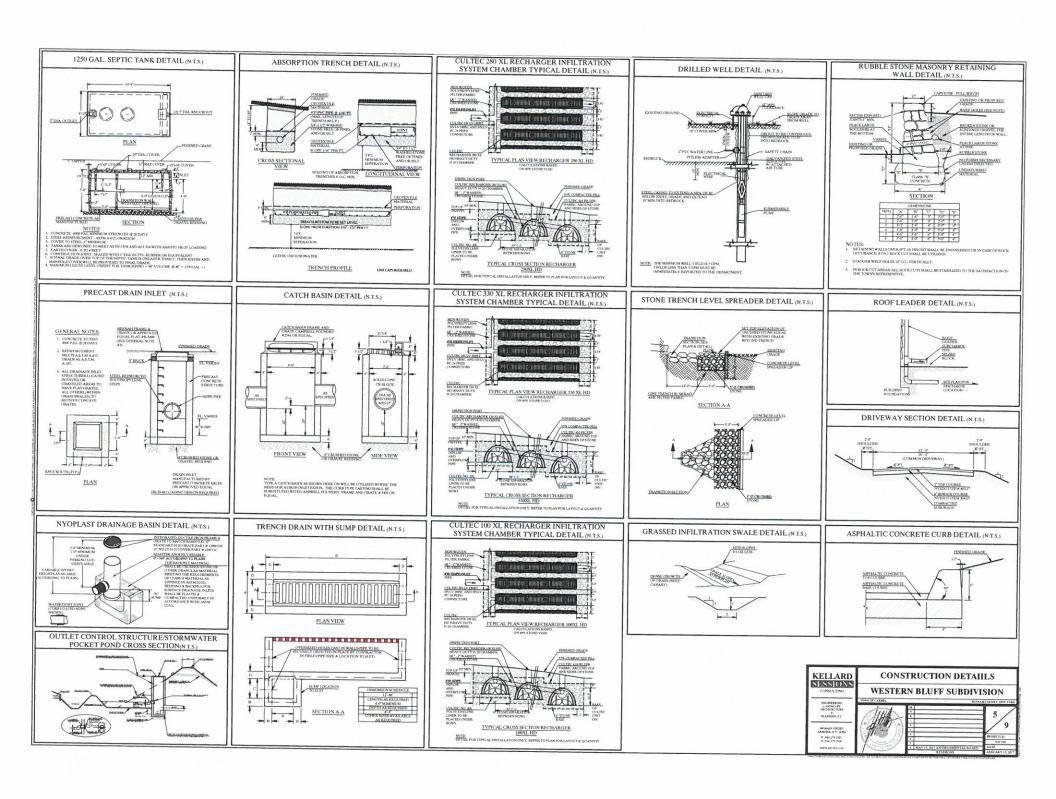
Miles forms . A Granda, N.Y. (1994)











EROSION AND SEDIMENT CONTROL PLAN

- All proposed soil erosion and sediment control practices have been designed in accordance with the following pr
- New York Standards and Specifications for Exorion and Sediment Control, latest edition
- New York State SPINES General Permit for Storrownter Discharges from Construction Activity (GP-0-15-00)
- Town Code of Cannel Chapter 156 Article X "Stamowner Management and Economical Sediment Control

The applies or develope or their representative dash is on to a call time when competition are gaining actively developed and applied appears and included sets represent and the more nearly sensely clinicated sets. The second test general countries are devicement for efficiency and of all causes and solvened country presents. The quidelit sepector daily present an expect of the countries of the

STABILIZED CONSTRUCTION ENTRANCE

A stabilized construction entrince shall be installed at the project entrince as indicated on the plans. The purpose of the stabilized construction entrince is to prevent whiches less sing the site from tracking assignment, mad or any other construction—related instancials from the sea each West Shore Drive.

SELT FENCE

Sift fencing shall be impected at a

PALET PROTECTION

After the driveway's draw inlets have been installed and the site is completely constructed and stabilized, these draw inlets will recurs a commenter from the driveway and overland watersheds. This barrier will allow stommwater to be filtered price to reaching the inlet grate. Maintenance Inspection

TREE PROTECTION

SOIL/MATERIAL STOCKPILING

All soil/material strapped from the construction area sharing grabbing and grading shall be stockgriled in locations illustrated on the appear of plans, or in practical locations on sate.

BIP-RAP OUTLET PROTECTION

The cushes of all mamments discharge areas will be protected from eroson by the placement of stone rap-sap at the cush as twelve cushes. The purpose of the stone outling protection is to reduce the velocities of the discharged water and flower will not create the receiving area.

SURFACE STABILIZATION

All disturbed areas will be protected from evoion with the use of vegetative measures (e.g., gran send mor, sod) hydrorealch, weed-free bay or Curies Excelsive Fronton Control Blankets.

Exonon coursel barriers consisting of six fires ing shall be placed around exposed at one during construction. Any sense uniqued of registration along commission will be registrate anxiety matched to privat arounce of the exposed social, its say even where supplies of evening personal color desires (six persons) around the exposed social color are where supplies of them exposed social final social social

GENERAL LAND GRADING

The stear of the services controls in to central still denathed area, such that soils are protested from ensuintly temporary methods and, alternative by permission and services. All or and fill independently keep to a reacutions object of 2.1. to the event that is object must receive a 2.1 size, it will albe to admitted with some rep-ep. On fill follows, all internative like the plant in the receiver of the size of the protested in the receiver of the size of the plant in the receiver of the size of the s

POLLLYTION PREVENTION MEASURES FOR CONSTRUCTION RELATED ACTIVITIES

Polition per nestes practice for pre-metag litter, construction theretash of applicables and construction that be annual problems covered in the construction of the territory problems covered in the construction of the territory problems covered in the conducted by a confidence of the confidence of

GENERAL CONSTRUCTION SEQUENCING

and below is a brief listing of the construction sequencing for the project.

Prior to very solescer rate extrany, the neutre, contractor, owner's enganeer. Town Enganeer and NYCDEP representative shall hold a pre-construction construct

Stabilization shall be defined as covering or maintaining an existing cover over soil. Cover can be vegetaine (e.g., great, trees, send and mulch, shuds, or text) or non-vegetaine (e.g., geolecides, rip-up, or galions, pavement, coofs, etc.)

- specied by the Universest Stagement content.

 But of Consequent

 Starty States Army give the A relation of a remain control measure

 Starty States Army give the A relation of a remain of control measure

 Completion of cast sectioning of diversest of the control follows a delicar

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 Completion of Completing of the control of the control of the control of completion of the control of completion of the control of control of the control of control o

The owners's corrector is required to relative As-Dulk plans for any attentionate management practices located on site after final construction is completed. The plan must show the final design specifications for all information reasonable final folial properties of the plans o

Individual Lot Construction Sequencing

- Otto and disso management of the control of the con

POST CONSTRUCTION STORMWATER FACILITY INSPECTION AND MAINTENANCE PROGRAM

The dramage collection system, infiltration systems, biotecession grea, sorales, and their related appartenances shall be collectively referred to homes as the "dramater facilities."

The course, is successors and/or awayers shall be responsible for the cogoing impaction and maintenance of the common facilities. The purpose of the impaction-insurances program is to provide basic instructions to the owner as to the program into provide basic instructions to the owner as to the program in the provide basic instructions to the owner as to the program in processing the control of the program in the program

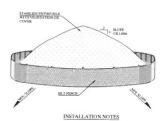
The applies of most execute a maintenance enumera specenomic fact or mirection that shall be binding on all otherquest landowness reserved by the intermeter monagement functions. The enumera shall provide for secent to the facility as reserved in times for periodic inspection by the Town of Current to ensure that the facility is instantiated and may other provisions enablished by the Town. The enumerate shall be no corted by the greater in the office of the Current Cells and Town Carlot and the greater in the office of the Current Cells and Town Carlot and the greater in the office of the Current Cells and Town Carlot and the greater in the office of the Current Cells and Town Carlot and the greater in the office of the Current Cells and Town Carlot and the greater in the other Town of Carrent Cells Town Carlot and the greater in the Cells of the Current Cells and Town Carlot and the greater in the cells of the Town of Carrent Cells and Town Carlot and Town Cells and Town Cells and Town Carlot and Town Carrent Cells and Town Carrent Cells and Town Cells and Town Carlot and Town Cells Inspection and Massemence of Permanent Drainage Systems and BMPs

General Stormwater Facilities (i.e., drain initia, vegetated swele, grass swale, bioretestion area, rip-cap cullet-

These normwise facilities shall be impacted weekly for the first free (1)) months following the completions of controllers. Therefore, there in takes what he inspected it is minimum quartely, and always introducible following arm resets. Upon apprecious, facilities adult his immediately instanced and/or cleaned as may be required. Any site was to reduce the controllers of the cleaned and controllers of the co

All samps shall be impacted over per month for the first first (i) months (after drawings up stem has been put into mixing). Thereafter, all surps shall be imperied every fine (i) months (i.e., productive of 5) into the of-mall in graves. The rowers dull the measurement of the name plant, all surps shall be impacted once per month for the first drive (i) months (after drawings op stem has been put into a struct.) Thereafter, all maps shall be improved once per month for the first drive (i) months (ii) of a production of 1 in our of a straight or greater). The court had that are monometerated of the surps (ii) of (iii) out (iii) or it is monometerated of the surps (iii) of the surps (iii) out (iii) or it is monometerated of the surps (iii) of the surps (iiii) of the surps (iii) of the surps (iii) of t

TEMPORARY SOIL STOCKPILE DETAIL (N.T.S.)



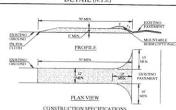
- L. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
- 2 MAXIMUM SLOPE OP STOCKPILE SHALL BE 12.
- UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH MLT PENCING, THEN STABILIZED WITH VEGETATION OR COVERED.
- 4. NEE SPECIFICATIONS FOR INSTALLATION OF SILT PENCE.

UNDISTURBED PERSPECTIVE VIEW UNDISTURBED GROUND EMBED FILTER CLOTH MIN 4" INTO GROUND

SILT FENCE DETAIL (N.T.S.)

CONSTRUCTION NOTES FOR FABRICATED SILT FENCE
PULTER CLOTH TO BE FASTENED SECURELY TO
POSTS AT TOP AND MID SECTION
POSTS AT TOP AND MID SECTION
OR T HARDWOOD POSTS: STEEL EITHER T OR U TYPE OR F HARDWOOD

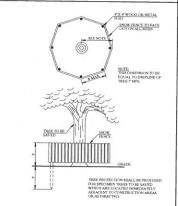
STABILIZED CONSTRUCTION ENTRANCE DETAIL (N.T.S.)



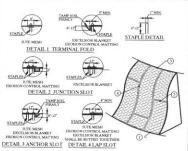
CONSTRUCTION SPECIFICATIONS

- L STONE SIZE USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT LENOTH - NOT LESS THAN SO FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A SO POOT MINIMUM LENOTH WOOLD APPLY).
- S. THECKNESS NOT LESS THAN SEX (6) INCHES.
- WIDTH: TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE PULL WIDTH AT POINTS WHERE INGRESS OR BORESS OCCURS, TWENTY-POUR (24) POOT IPSINGLE PNTRANCE TO SITE.
- PILTER CLOTH WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE
- SURPACE WATER-ALL SURPACE WATER PLOWING OR DIVERTED FOWARD CON-STRUCTION INTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL A MOUNTABLE BEEM WITH 51 BLOPES WILL BE PERMETTED.
- MAINTENANCE THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR PLOWING OF MEDIMENT ONTO PURILE RIGHTS-OF-WAY, ALL MEDIMENT SHILLED. DROPPED, WANEED OR TRACTED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A AREA STABILIZED WITH. STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAFFING DEVICE.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EAC

TREE PROTECTION DETAIL (N.T.S.)



EROSION CONTROL BLANKET DETAIL (N.T.S.)



CONSTRUCTION SPECIFICATIONS
APPLY TO SLOPES ORBATER THAN SHEEV OR WHERE NECESSARY TO AID IN ESTABLISHING

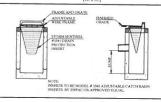
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CATCH BASIN FILTERS - INLET PROTECTION DETAIL

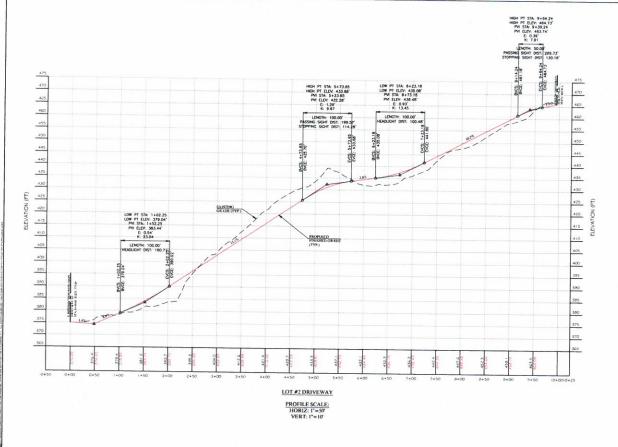


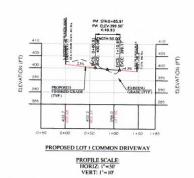
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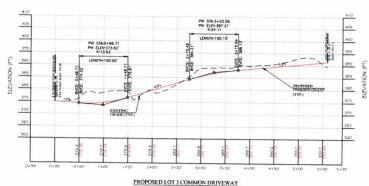
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SEDIMENT & EROSION CONTROL **DETAILS & NOTES** WESTERN BLUFF SUBDIVISION 6 9

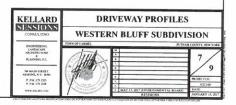
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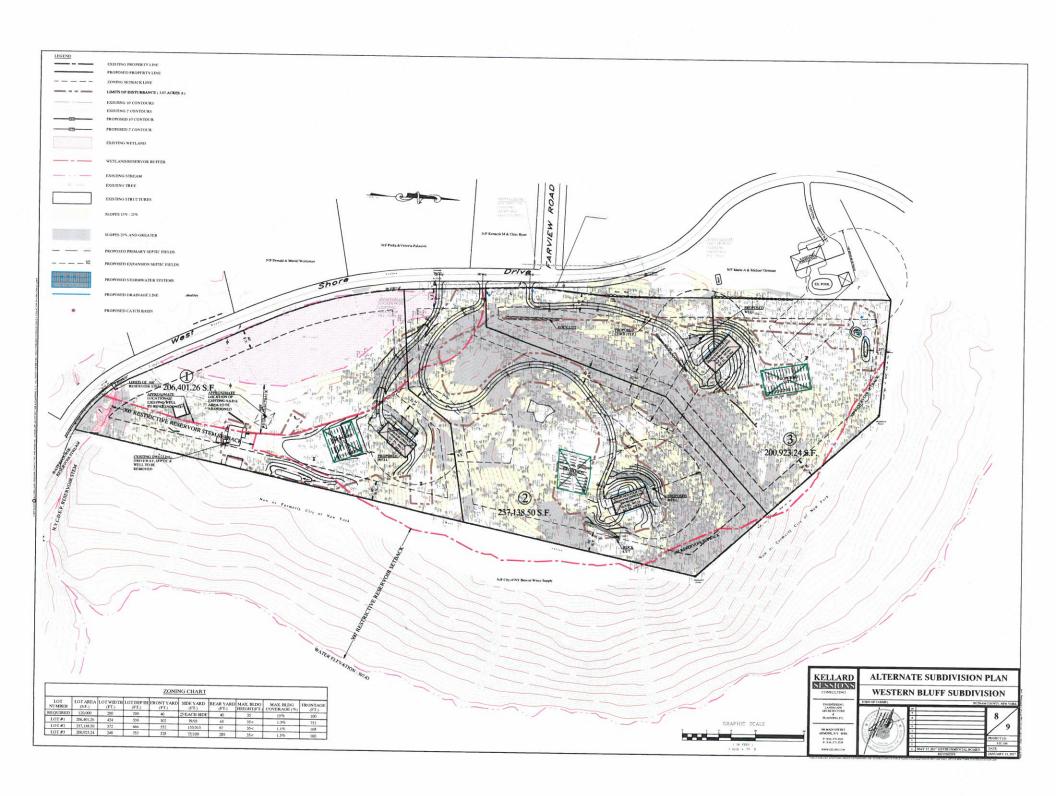


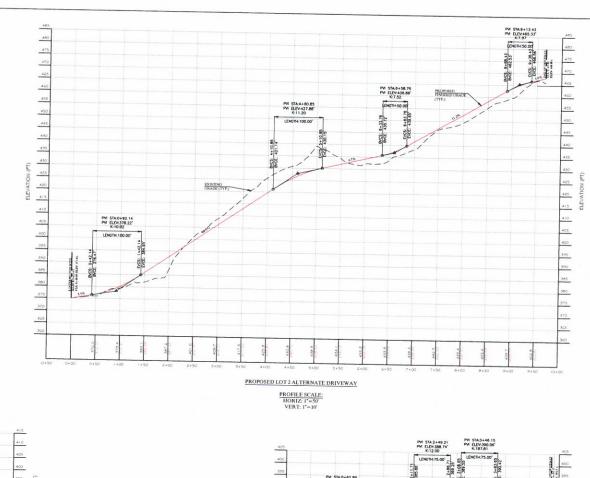


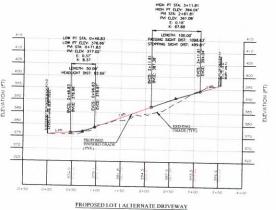


PROFILE SCALE: HORIZ: 1"=50" VERT: 1"=10"

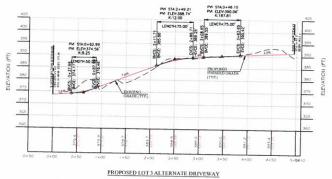








PROFILE SCALE: HORIZ: 1*=50' VERT: 1*=10'



PROFILE SCALE: HORIZ: 1*=50' VERT: 1*=10'

KELLARD

INSTITUTE

CONNECTION

CONNECTION