

3 Van Wyck Lane Wappingers Falls, New York 12590 Phone: 845-223-3202

December 31, 2024

Town of Wappinger Chairman Flower and Planning Board Members 20 Middlebush Road Wappingers Falls, NY 12590 Sent via email and hand delivery

Re: Conservation Corners Grid #6257-03-247036 Day|Stokosa Job No. 2020.568

Chairman Flower and Planning Board Members,

Included herein: 15 copies of the subdivision plan for Conservation Corners 15 copies of the wetland report 15 copies of resolutions referring to Planning Board 15 copies of the traffic report

In response to the August 29, 2024 letter from H&H:

- 1. The habitat analysis is forthcoming and will be forwarded to the Board upon receipt. The tree removal note has been added to sheet SV100.
- 2. The bulk table is on sheet C130 and the individual lots are dimensioned. The open-space parcels are noted as well.
- 3. The proposed layout is in conformance with the *Resolution Referring Application to Planning Board;* there are 66 total units proposed. The configuration is 22 SFH and 44 multi-family townhomes in 11 buildings. The water supply and sewer treatment are both proposed on-site. The resolution is included herein.

In response to the August 29, 2024 letter from Christian Paggi:

- 1. Noted
- 2. A general easement note has been added to sheet SV1. Detailed easements will be provided prior to final signature of the plans.
- 3. The proposed road and driveway grades have been added to the driveway profiles. No grades exceed 10%.
- 4. Detailed drainage will be provided in future submissions.
- 5. Submission to the HD and NYSDEC for the water and sewer systems is forthcoming. The Town will be copied on these submissions.
- 6. Submission to the HD and NYSDEC for the water and sewer systems is forthcoming. The Town will be copied on these submissions.
- 7. Noted

Application and EAF comments

- 1. The application and EAF are updated and included herein.
- 2. Bat impacts are included. Our biologist is preparing an impact analysis. It will be forwarded to the Board upon receipt.
- 3. Noted.

We look forward to discussing this project with the Planning Board at the February 3, 2025 meeting. If any additional information is required, please don't hesitate to contact me.

Very truly yours,

Amy Bombardieri Cc: Client, Stenger, Glass, Hagstrom, Lindars & Iuele, LLP



Town of Wappinger 20 Middlebush Road Wappingers Falls, NY 12590

ADOPTED

RESOLUTION 2024-128

Resolution Referring Application To Planning Board Conservation Corners

WHEREAS, the Town Board is in receipt of a certain application for a Conservation Subdivision from Mid-Hudson Development Corp. for the development of certain premises known as Tax Map Parcel 6257-03-247036-0000 pursuant to Section 240-19B of the Wappinger Town Code known as Conservation Corners (previously known as Joey Estates) (the "Application"); and

WHEREAS, the Applicant proposes 66 residential units consisting of 22 single family dwelling units on individual parcels, 44 dwelling units in 11 townhouse style buildings on a single parcel (all units proposed to be supplied by private water and sewer service), which lot count is a preliminary determination to which the Town, the Town Board and the Planning Board are not beholden to, and open space parcels which use shall be determined by the Town Board to be owned by a homeowner's association and which parcels shall contain easements for community rights so as to benefit from the beauty of the open spaces; and

WHEREAS, the Applicant acknowledges that the Town of Wappinger Comprehensive Plan included a goal to improve housing choice in the Town by encouraging a balance of housing types and sizes. That goal also included that new higher density development be made in existing areas that can be most economically served by existing roads, utilities, and community facilities; and

WHEREAS, the Town Board has been requested by the Applicant to refer the Application to the Planning Board for review in anticipation of a future request to the Town Board pursuant to §240-19B to permit the Planning Board to modify the zoning regulations in the district with respect to lot area and dimensions pursuant upon such conditions as the Town Board may impose; and

WHEREAS, the Town Board has conducted an initial review of the Application and advised the Applicant that it prefers that the premises to be developed under the underlying district regulations for single family residential development for consistency with the surrounding developments, and

WHEREAS the Application still contains a mixture of single-family units and town house units and proposes a future connection to the Town's water district; and

WHEREAS, the Applicant has previously acknowledged that regarding future water and sewer connections, the Town's Comprehensive Plan is clear that the goal was and is for the development of a system of central utilities to address the needs of existing developed areas with water supply and sewage treatment problems; and

WHEREAS, inherent in the overall process is compliance with SEQRA, which, notwithstanding the sequence of the procedures set forth in Section 240-19B, would need to be completed prior to any authorizations to be made by the Town Board for the conservation subdivision; and

NOW, THEREFORE, BE IT RESOLVED, that the Application is hereby referred to the Planning Board for conservation subdivision review and completion of SEQRA; and

BE IT FURTHER RESOLVED, that the referral to the Planning Board does not imply that the Town Board will authorize the Planning Board to modify the zoning regulations in one-family residence districts with respect to lot area and dimensions as they relate to the lots containing multi-family units; and

BE IT FURTHER RESOLVED, that the Town Board has no present intention to permit a connection to a Town water district and recommends that the Applicant causes the Application to be processed without any proposal for a connection to the Town's water district; and

BE IT FURTHER RESOLVED, per 240-19B, that the Town Board's authorization of the Planning Board to modify the zoning regulations in one-family residence districts with respect to lot area and dimensions shall be upon such conditions as the Town Board may impose and that the referral does not imply that the Town Board will authorize the use of 240-19B as they relate to the lots containing detached units; and be processed without any proposal for a connection to the Town's water district; and

BE IT FURTHER RESOLVED, that because other residential development projects similar in size and scope to the Application have been submitted to the Town for review in the vicinity of the Application, the SEQRA review of the Application should also include the impacts from those other certain projects and *vice versa*.

COMMENTS - Current Meeting:

This is a Brand New Project filed under 240-19B NOT under 240-50. This project is not in the water district and it is not clear whether there is enough water in the ground at that location. This is under the clustering section of the zoning code where the Town Board will eventually decide whether they want to allow clustering.

RESULT:	ADOPTED AS AMENDED [4 TO 1]
MOVER:	Christopher Phillips, Councilman
SECONDER:	Angela Bettina, Councilwoman
AYES:	William H. Beale, Angela Bettina, Christopher Phillips, Al Casella
NAYS:	Joseph D. Cavaccini

PLANNING BOARD SECRETARY Bea Ogunti - Ext. 122

ZONING ADMINISTRATOR Barbara Roberti - Ext. 128

ZONING BOARD of APPEALS Peter Galotti, Chairman David Barr Tom DellaCorte Donald Denardo John Lorenzini

TOWN OF WAPPINGER



PLANNING BOARD ZONING BOARD OF APPEALS 20 MIDDLEBUSH ROAD WAPPINGERS FALLS, NY 12590 PH: 845-297-6256 Fax: 845-297-0579

MEMORANDUM

March 12, 2024

TO: Supervisor, Joseph D. Cavaccini Councilman, William Beale Councilwoman, Angela Bettina Councilman, Al Casella Councilman, Christopher Phillips

> John Goetz, Mid-Hudson Development Corp. Amy Bombardieri, Engineer for the Applicant

FROM: Bea Ogunti Secretary, Town of Wappinger Planning Board

SUBJECT: Joey Estates

At the Planning Board meeting held on March 4, 2024, the Board voted and authorized that I send you this memorandum. The Board has reviewed the subdivision and has determined that 66 lots is the number that fits what is being proposed.

Thank you.

TOWN SUPERVISOR Joseph D. Cavaccini

TOWN BOARD William H. Beale Angela Bettina Al Casella Christopher Phillips

PLANNING BOARD Bruce Flower, Chairman Richard Barth Paul Freno James Glorioso Robert Meehan Markos Peratikos Thomas Truss. Jr.



August 24, 2021

Town of Wappinger Planning Board & Zoning Board of Appeals 20 Middlebush Road Wappingers Falls NY 12590

To Whom it May concern,

I, John Goetz, am the owner/operator of Mid-Hudson Holdings LLC. and do hereby have the authority to sign for the company.

If you have any questions or concerns, please feel free to reach out.

Thank you,

hely

John Goetz Owner/Operator Mid Hudson Development Corp. 914-489-8518 john@mhdcny.com

ACTS (INDIVIDUAL OR CORPORATION)

STANDARD NYBTU FORM 8007

CAUTION: THIS AGREEMENT SHOULD BE PREPARED BY AN ATTORNEY AND REVIEWED BY ATTORNEYS FOR SELLER AND PURCHASER BEFORE SIGNING.

THIS INDENTURE, made the 16th day of June, 2021,

BETWEEN,

Cedar Hill Development Corp, with an address of 121 Hudson Ave, Englewood, NJ 07631,

party of the first part, and

Mid-Hudson Holdings LLC, with an address of 5 willard Cart, Rughquag, Ny 12570

party of the second part;

WITNESSETH, that the party of the first part, in consideration of TEN DOLLARS (\$10.00), lawful money of the United States, paid by the party of the second part, does hereby grant and release unto the party of the second part, the heirs or successors and assigns of the party of the second part forever;

ALL that certain plot, piece or parcel of land, with the buildings and improvements thereon erected, situate, lying and being in the

As described on Schedule "A" annexed hereto and made a part of hereof,

And more commonly described as Cedar Hill Road, Wappingers Falls, New York 12590

And being and intended to be the same as conveyed to the party of the first part herein by 2 deeds from Elizabeth Donovan, dated 02/07/1987 and recorded 07/27/1989 at Liber 1759 cp 72 and By deed dated 10/31/1992 and recorded 09/08/1994 at Liber 1950 cp 21 in the Dutchess County Clerk's Office.

TOGETHER with all right, title and interest, if any, of the party of the first part in and to any streets, roads, or avenues abutting the above-described premises to the center lines thereof,

TOGETHER with the appurtenances and all the estate and rights of the party of the first part in and to said premises,

TO HAVE AND TO HOLD the premises herein granted unto the party of the second part, the heirs or successors and assigns of the party of the second part forever.

AND the party of the first part, covenants that the party of the first part has not done or suffered anything whereby the said premises have been encumbered in any way whatever, except as aforesaid.

AND the party of the first part, in compliance with Section 13 of the Lien Law, covenants that the party of the first part will receive the consideration for this conveyance and will hold the right to receive such consideration as a trust fund to be applied first for the purpose of paying the cost of the improvement and will apply the same first to the payment of the cost of the improvement before using any part of the total of the same for any other purpose.

The word "party" shall be construed as if it read "parties" whenever the sense of this indenture so requires.

IN WITNESS WHEREOF, the party of the first part has duly executed this deed the day and year first above written. *IN PRESENCE OF*:

Cedar Hill Development Corp

feanthe Jossati

ACKNOWLEDGMENT:

State of New York)
) ss.:
County of Dutchess)

On the 16th day of June in the year 2021 before me, the undersigned, personally appeared JEANETTE FOSSATI personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

(signature and office of individual taking acknowledgment)

, Notary Public, My commission expires 2-27-25. Alexander Showood Keenin, qualified in Dutchess County, New Yark

Section, Block and Lot: 6257-03-247036 Town: Wappinger County: Dutchess

Record and Return to: Stenger Diamond and Glass, LLP Attn: Meghan Mossey, Esq. 1136 Route 9 Wappingers Falls, NY 12590

Title Number 21-NV-DU-77284

;

Page 1

ALL that certain plot, piece or parcel of land situate, lying and being in the Town of Wappinger, County of Dutchess and State of New York being designated as Parcel II on a map entitled "Subdivision of Lands of Elizabeth Donovan: filed in the Dutchess County Clerk's Office on 12/20/84 at Map #7102.

Town of Wappinger SUBDIVISION CHECK LIST

THE FOLLOWING ITEMS MUST BE PRESENTED TO THE ZONING ADMINISTRATOR ON THE SUBMISSION DATE:

Applications:	Subdivision - Preliminary and Final Must state if the applicant is the owner or contract vendee Must include a copy of Deed showing ownership. Applications must be typed. Name of Owner and Applicant must be accurate.	
Signatures:	Must be original signatures. Name of Corporation or LLC, etc., must be typed above signature and name and authorization must be typed below signature.	
Phone Numbers:	Include contact phone number and fax number.	
Letter of Consent:	If contract vendee, a letter of consent from the owner is required	
EAF:	Short Form - If 4 lots or less(Either short or long to beLong Form - If 5 lots or moresigned by preparer)	
Application Fee:	Application fee may be paid in cash, or if paying by check, it must be a certified check, bank check, or money order written out to the 'Town of Wappinger' (Separate checks are required for application fees and escrow)	
Escrow:	Escrow may be paid in cash, or if paying by check, it must be a certified check, bank check, or money order written out to the 'Town of Wappinger' (<i>Separate checks are required for application fees and escrow</i>)	
18 Plans: Number of Plans to be determined by the Zoning Administrator / Secretary NOTE: <u>ALL MAPS MUST BE FOLDED OR WILL</u> <u>NOT BE ACCEPTED.</u> Add 19 th plan set if on a County or State Road.		
Subdivision plat must show	the following:	
X Shall be a scale of not le	ass than 1'' = 100 feet.	

 \mathbf{X} Shall be drawn on sheet no smaller than 8 $\frac{1}{2}$ x 11" and no larger than 24" x 36".

<u>X</u> Shall include a location map at a scale of 1'' = 400 feet.

X Shall show the names of all adjoining property owners, wells and septics.

X Shall show topographic contours at not less than 2 foot intervals.

X Shall show all pertinent features: existing trees, railroads, water bodies, streams, regulated wetlands, etc., which may effect design of the subdivision.

Town of Wappinger Subdivision Checklist (Revised JANUARY 2011)

- NA Shall show 100 year flood evaluation, if appropriate.
- $\underline{\mathbf{x}}$ Shall show grade and elevations of all proposed streets.
- X Shall show dimensions and area of all proposed lots.
- X Shall show all locations, dimensions, and disposition of all recreation or park land.
- X Shall show the date when the plat was prepared or changed.
- X Shall show true North arrow and bear certification that the evaluations are based upon the U.S.G.S. Datum.
- X _____ Must bear the name, address, and signature of property owner, subdivider and <u>seal and</u> <u>signature of a licensed professional engineer or land surveyor.</u>

All information listed below must be submitted, proposed provisions for water supply, fire protection, disposal of sanitary water, storm water drainage, street trees, street lighting fixtures, street signs and sidewalks. This data must be available before application is accepted.

The area map shall show all holdings of record owner in the immediate vicinity.

The following items must complete prior to preliminary plat approval:

- 1. Erosion Control Plan shall be presented for approval by Engineer to the Town, unless waived by the Planning Board.
- 2. Drainage plans and profiles, and road plans and profiles shall be presented for approval by the Engineer to the Town.

The following items must be completed prior to signing the final plat:

- 1. Approval of the drainage plans and profiles, and road plans and profiles, by the Engineer to the Town.
- 2. Payment of the Recreation Fee, if applicable.

For 1 through 9 lots, \$5,000.00 per lot;

For 10 or more lots, the Planning Board shall determine whether to require the reservation of land, or payment of \$5,000.00 per lot.

3. Submit road name(s) to Fire Inspector to start approval process.

4. There must be sufficient funds in the applicants' escrow account and new post subdivision escrow needs to be posted.

After final approval is granted, the applicants' resolution granting **CONDITIONAL** final approval will list any items that are outstanding to be completed before the Chairman will sign off.

NO BUILDING PERMITS WILL BE ACCEPTED UNTIL THE CHAIRMAN SIGNS THE MYLAR AND IT IS FILED AT THE COUNTY.

TOWN OF WAPPINGER

ZONING ADMINISTRATOR

Barbara Roberti Ext. 128

PLANNING BOARD SECRETARY Bea Ogunti Ext. 122



PLANNING DEPARTMENT 20 MIDDLEBUSH ROAD WAPPINGERS FALLS, NY 12590 (845) 297-6256 ext. 122 Fax (845) 297-0579 www.townofwappinger.us TOWN SUPERVISOR Richard Thurston

> TOWN BOARD William H. Beale Angela Bettina Robert Johnston Michael Kuzmicz

PRELIMINARY LAYOUT APPLICATION FOR SUBDIVISION OF LAND

Application #	DATE:	08/06/2024
Application Fee: \$	ESCROW FE	E\$

Note: This application shall conform in all respects to the Land Subdivision Regulations of the Planning Board of the TOWN OF WAPPINGER.

1.	Proposed Name of Subdivision:
2.	Location of Property: Cedar Hill Road
	Tax Section: 135689-6257-03-247036
3.	Name and Address of Applicant:
	Mid Hudson Development Corp. PO Box 636 Fishkill NY 12524
3	John Goetz John@ mhdcny.com 914.489.8515
	Corporation, give name of agent:
	Phone No.
4.	Name and Address of Record Owner: Mid Hudson Holdings LLC (same
	address and contact)
	Phone No Email.:
5.	A statement of liens, mortgages, or other encumbrances are attached hereto - (If none, so state)
5.	A statement of any easements relating to the property is attached hereto - (If none, so state)
6.	Deed or deeds recorded in County Clerk's Office:
	Date: 06/2021 Liber: 22021 Page: 2897
7.	I own or have an interest in abutting property as stated on the attached sheet. (If none, so state)
8.	Name, address, and license number of Engineer or Land Surveyor:
	Day Stokosa 3 Van Wyck Lane, Wappingers Falls NY 12590 845.223.3202
	According to the Dutchess County Soil Survey, the following soil types are found on the property:



3 Van Wyck Lane Wappingers Falls, New York 12590 Phone: 845-223-3202

December 31, 2024

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Joey Estates Grid #6257-03-247036 Day|Stokosa Job No. 2020.568

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Very truly yours,

Amy Bombardieri Cc: Client, Stenger, Glass, Hagstrom, Lindars & Iuele, LLP

Town of Wappinger Preliminary Layout Application for Subdivision of Land Page 2

9. According to the Dutchess County Soil Survey, the following soil types are found on the property:

This Property is in the R-408.80 Zone. Punsit sill loam 19 Preliminary Layout covers 139 acres. Approximate number of lot: 44 townhomes on MFR parcel, 22 single family home parcels Does owner propose to submit Final Subdivision Plat to cover entire Preliminary Layout, or file same in sections? Sections Does the Preliminary Layout cover the entire holding of the applicant? Yes Does the applicant propose to dedicate to the public all streets, highways, and parks shown on the Preliminary Layout? No Give number of acres which applicant proposes to dedicate to public use for parks and/or playground purposes. Zero Does owner intend to request any waivers of the requirements of the Land Subdivision Regulations of this Board upon I submission of the Final Plat for approval? No If any waivers of any requirements are to be requested, list them and give reasons why such requirements should be waived. Mo Mid Hudson Holdings LLC Mo Multical, etc.) 08/06/2024 Date John Goetz, President Type Name and Title *****		Bernardston silt loam	63 %
Preliminary Layout covers 139acres.	This Property is in the R-40&80 Zone.	Punsit silt loam	<u> </u>
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08/06/2024 Date Deplicant / Owner or representative's signature John Goetz, President Type Name and Title ****	Print name (Corporation, LLC, Individual, et	rc.)	
Date Opplicant / Owner or representative's signature John Goetz, President Type Name and Title *****	08/06/2024	In Sporta	
John Goetz, President Type Name and Title ****	Date Opplicant	t / Owner or representative's signature	
Type Name and Title ****	John Go	petz, President	
	Туре Nan	ne and Title ****	

*****If this is a Corporation or LLC please provide documentation of authority to sign.**

TOWN OF WAPPINGER



PLANNING BOARD & ZONING BOARD OF APPEALS

20 MIDDLEBUSH ROAD WAPPINGERS FALLS, NY 12590 PH: 845-297-6256 Fax: 845-297-0579

Owner Consent Form

Project No:

Date: 08/06/2024

Zoning District: R-40

Grid No.: 135689-6257-03-247036

Location of Project:

CEDAR HILL ROAD, TOWN OF WAPPINGER, NY

Name of Applicant:

MID HUDSON DEVELOPMENT, CORP, JOHN GOETZ 914-489-8518

Print name and phone number

Description of
Project: <u>SEE NARRATIVE</u>

I JOHN GOETZ

_____, owner of the above land/site/building

hereby give permission for the Town of Wappinger to approve or deny the above application in accordance with local and state codes and ordinances

08/06/2024

Date

Owner's Signature

914-489-8518

Owner's Telephone Number

JOHN GOETZ, OWNER
Print Name and Title ***

*** If this is a Corporation or LLC, please provide documentation of authority to sign.

If this is a subdivision application, please provide a copy of the deed.

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 applicant or project sponsor to verify that the information contained in Part 1 is accurate and complete.

A. Project and Applicant/Sponsor Information.

Name of Action or Project:		
Project Location (describe, and attach a general location map):		
Brief Description of Proposed Action (include purpose or need):		
Name of Applicant/Sponsor:	Telephone:	
	E-Mail:	
Address:		
City/PO:	State:	Zip Code:
Project Contact (if not same as sponsor; give name and title/role):	Telephone:	I
	E-Mail:	
Address:		
City/PO:	State:	Zip Code:
Property Owner (if not same as sponsor):	Telephone:	L
	E-Mail:	
Address:		
City/PO:	State:	Zip Code:

B. Government Approvals

B. Government Approvals, Funding, or Sponsorship.	("Funding"	'includes grants,	loans, tax rel	lief, and any c	other forms	of financial
assistance.)						

Government Entity	If Yes: Identify Agency and Approval(s) Required	Application Date (Actual or projected)	
a. City Counsel, Town Board, □ Yes or Village Board of Trustees	□ No		
b. City, Town or Village □ Yes Planning Board or Commission	□ No		
c. City, Town or Village Zoning Board of Appeals	□ No		
d. Other local agencies	□ No		
e. County agencies	□ No		
f. Regional agencies	□ No		
g. State agencies	□ No		
h. Federal agencies	□ No		
i. Coastal Resources. <i>i</i> . Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway? □ Yes □ No			
<i>ii.</i> Is the project site located in a community with an approved Local Waterfront Revitalization Program?□ Yes □ No <i>iii.</i> Is the project site within a Coastal Erosion Hazard Area?□ Yes □ 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? 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 	□ Yes □ No
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?) If Yes, identify the plan(s): 	□ Yes □ No
 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? If Yes, identify the plan(s): 	□ 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?	□ 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>i</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?	
b. What police or other public protection forces serve the project site?	
c. Which fire protection and emergency medical services serve the project site?	
d. What parks serve the project site?	
D. Project Details	

D.1. Proposed and Potential Development			
a. What is the general nature of the proposed action (e.g., residential, industri components)?	al, commercial, recreational; if mixed, include all		
b. a. Total acreage of the site of the proposed action?	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?	acres		
c. Is the proposed action an expansion of an existing project or use?	\Box Yes \Box No		
<i>i</i> . If Yes, what is the approximate percentage of the proposed expansion an square feet)? % Units:	id identify the units (e.g., acres, miles, housing units,		
d. Is the proposed action a subdivision, or does it include a subdivision?	\Box Yes \Box No		
If Yes,			
<i>i</i> . Purpose or type of subdivision? (e.g., residential, industrial, commercial;	if mixed, specify types)		
<i>ii.</i> Is a cluster/conservation layout proposed? each dwelling unit will k	nave its own parcel ID number Ves No		
iii. Number of lots proposed?2 are open (condominium / town house configuration)			
<i>iv</i> . Minimum and maximum proposed lot sizes? Minimum M	laximum		
e. Will the proposed action be constructed in multiple phases?	\Box Yes \Box No		
<i>i</i> . If No, anticipated period of construction:	months		
<i>ii</i> . If Yes:			
Total number of phases anticipated			
Anticipated commencement date of phase 1 (including demolition) month year			
Anticipated completion date of final phase monthyear			
 Generally describe connections or relationships among phases, includetermine timing or duration of future phases:	iding any contingencies where progress of one phase may		

f. Does the project include new res	idential uses?			\Box Yes \Box No
If Yes, show numbers of units pro-	posed.			
One Family	<u>Two Family</u>	<u>Three Family</u>	Multiple Family (four or more)	
Initial Phase				
At completion				
of all phases				
a Doos the proposed action include	a now non residenti	al construction (inclu	ding expansions)?	
g. Does the proposed action method If Yes	ie new non-residentia	a construction (men	iding expansions):	
<i>i</i> . Total number of structures				
<i>ii</i> . Dimensions (in feet) of largest	proposed structure:	height;	width; andlength	
iii. Approximate extent of buildin	g space to be heated	or cooled:	square feet	
h. Does the proposed action include	le construction or oth	er activities that wil	l result in the impoundment of any	□ Yes □ No
liquids, such as creation of a wa	ter supply, reservoir	, pond, lake, waste la	agoon or other storage?	
If Yes,			0	
<i>i</i> . Purpose of the impoundment:				
<i>ii.</i> If a water impoundment, the pr	incipal source of the	water:	□ Ground water □ Surface water stream	ns \Box Other specify:
iii. If other than water, identify the	type of impounded/	contained liquids and	d their source.	
<i>iv</i> . Approximate size of the propo	sed impoundment.	Volume:	million gallons: surface area:	acres
v. Dimensions of the proposed da	m or impounding str	ructure:	height; length	
vi. Construction method/materials	for the proposed da	m or impounding st	ructure (e.g., earth fill, rock, wood, conc	crete):
D.2. Project Operations				
a. Does the proposed action includ	e any excavation, mi	ining, or dredging, d	uring construction, operations, or both?	\Box Yes \Box No
(Not including general site prepa	aration, grading or in	stallation of utilities	or foundations where all excavated	
materials will remain onsite)				
If Yes:				
<i>i</i> . What is the purpose of the exca	vation or dredging?		1 16 1 20	
<i>ii.</i> How much material (including)	rock, earth, sediment	s, etc.) is proposed t	o be removed from the site?	
• Volume (specify tons of a	cubic yards):			
• Over what duration of the	tics of materials to h	a avaguated or drade	rad and plans to use manage or dispose	of them
<i>m</i> . 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 dewaterin	g or processing of ex	cavated materials?		\Box Yes \Box No
If yes, describe.				
v. What is the total area to be dre	dged or excavated?		acres	
vi. What is the maximum area to l	be worked at any one	e time?	acres	
vii. What would be the maximum	depth of excavation of	or dredging?	feet	
viii. Will the excavation require bl	asting?			\Box Yes \Box No
<i>ix.</i> Summarize site reclamation go	als and plan:			
b Would the proposed action cause	e or result in alteration	on of increase or de	crease in size of or encroachment	□ Yes □ No
into any existing wetland. wate	rbody, shoreline, bea	ich or adjacent area?	crease in size or, or encroaciment	- 105 - 110
If Yes:				
i. Identify the wetland or waterbody which would be affected (by name, water index number, wetland map number or geographic				
description):				

<i>ii</i> . Describe how the proposed action would affect that waterbody or wetland, e.g. excavation, fill, placem alteration of channels, banks and shorelines. Indicate extent of activities, alterations and additions in sq	ent of structures, or uare feet or acres:
<i>iii.</i> Will the proposed action cause or result in disturbance to bottom sediments?	Yes □ No
<i>iv.</i> Will the proposed action cause or result in the destruction or removal of aquatic vegetation?	\Box Yes \Box 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:	
Will the proposed action use, or create a new demand for water?	🗆 Yes 🗆 No
Yes:	100 110
<i>i</i> . Total anticipated water usage/demand per day: gallons/day	
ii. Will the proposed action obtain water from an existing public water supply?	\Box Yes \Box No
Yes:	
Name of district of service area: Does the existing public water supply have conscitute serve the proposal?	
 Does the existing public water suppry have capacity to serve the proposal? Is the project site in the existing district? 	$\Box \operatorname{Tes} \Box \operatorname{No}$
 Is expansion of the district needed? 	\Box Yes \Box No
 Do existing lines serve the project site? 	\Box Yes \Box No
<i>i.</i> Will line extension within an existing district be necessary to supply the project?	\Box Yes \Box No
Yes:	
Describe extensions or capacity expansions proposed to serve this project:	
• Source(s) of supply for the district:	
<i>iv.</i> Is a new water supply district or service area proposed to be formed to serve the project site?	□ Yes □ No
c, Yes:	- 105 - 110
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), what is the maximum pumping capacity:	gallons/minute.
. Will the proposed action generate liquid wastes?	\Box Yes \Box No
f Yes:	
<i>i</i> . Total anticipated liquid waste generation per day: gallons/day	
<i>u</i> . Nature of liquid wastes to be generated (e.g., sanitary wastewater, industrial; if combination, describe a approximate volumes or proportions of each);	ll components and
<i>i</i> . Will the proposed action use any existing public wastewater treatment facilities?	🗆 Yes 🗆 No
If Yes:	- 105 - 110
Name of wastewater treatment plant to be used:	
Name of district:	
• Does the existing wastewater treatment plant have capacity to serve the project?	\Box Yes \Box No
• Is the project site in the existing district?	\Box Yes \Box No
• Is expansion of the district needed?	\sqcup Yes \Box No

• Do existing sewer lines serve the project site?	\Box Yes \Box No
• Will a line extension within an existing district be necessary to serve the project?	\Box Yes \Box No
If Yes.	
 Describe extensions or canacity expansions proposed to serve this project; 	
• Describe extensions of capacity expansions proposed to serve uns project.	
<i>iv.</i> Will a new wastewater (sewage) treatment district be formed to serve the project site?	\Box Yes \Box 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 speci	fying proposed
receiving water (name and classification if surface discharge or describe subsurface disposal plans):	
vi. Describe any plans or designs to capture, recycle or reuse liquid waste:	
e. Will the proposed action disturb more than one acre and create stormwater runoff, either from new point	\Box Yes \Box No
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?	
If Yes:	
<i>i</i> . How much impervious surface will the project create in relation to total size of project parcel?	
Square feet or 4.5 acres (impervious surface)	
Square feet or acres (parcel size)	
<i>ii.</i> Describe types of new point sources.	
<i>iii.</i> Where will the stormwater runoff be directed (i.e. on-site stormwater management facility/structures, adjacent pr	operties.
groundwater on-site surface water or off-site surface waters)?	- F,
Groundwater, on site surface water of on site surface waters).	
If to surface waters identify receiving water bodies or wetlands:	
• If to surface waters, identify receiving water bodies of weitands.	
Will stormwater runoff flow to adjacent properties?	
• Will stormwater funor now to adjacent properties:	\Box I es \Box No
<i>iv.</i> Does the proposed plan minimize impervious surfaces, use pervious materials of conect and re-use stormwater?	
f. Does the proposed action include, or will it use on-site, one or more sources of air emissions, including fuel	\Box Yes \Box No
combustion, waste incineration, or other processes or operations?	
If Yes, identify:	
<i>i</i> . 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)	
<i>iii.</i> Stationary sources during operations (e.g., process emissions, large boilers, electric generation)	
a Will any air amission sources named in D.2 f (above) require a NV State Air Degistration. Air Facility Permit	
g. will any an emission sources hamed in D.2.1 (above), require a NT State An Registration, An Facility Fernin,	
If Vage	
II Test.	
<i>i</i> . Is the project she located in an Air quanty non-attainment area? (Area routinely or periodically fails to meet	\Box res \Box no
amotent air quality standards for all or some parts of the year)	
<i>u</i> . 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_{c})	
• Tons/year (short tons) of Carbon Dioxide equivalent of Hydroflourocarbons (HFCs)	
Tons/year (short tons) of Hazardous Air Pollutants (HADs)	

 h. Will the proposed action generate or emit methane (including, but not limited to, sewage treatment plants, landfills, composting facilities)? If Yes: <i>i</i>. Estimate methane generation in tons/year (metric):	□ Yes □ No enerate heat or	
 i. Will the proposed action result in the release of air pollutants from open-air operations or processes, such as quarry or landfill operations? If Yes: Describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust): 	□ Yes □ No	
 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? If Yes: <i>i</i>. When is the peak traffic expected (Check all that apply): □ Morning □ Evening □ Weekend □ Randomly between hours of to <i>ii</i>. For commercial activities only, projected number of truck trips/day and type (e.g., semi trailers and dump truck) 	□ Yes □ No s):	
 <i>iii.</i> Parking spaces: Existing Proposed Net increase/decrease <i>iv.</i> Does the proposed action include any shared use parking? <i>v.</i> If the proposed action includes any modification of existing roads, creation of new roads or change in existing <i>vi.</i> Are public/private transportation service(s) or facilities available within ½ mile of the proposed site? <i>vii</i> Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles? <i>viii.</i> Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes? 	Yes No access, describe: Yes No Yes No Yes No Yes No	
 k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand □ Yes □ No for energy? If Yes: <i>i</i>. Estimate annual electricity demand during operation of the proposed action: <i>ii</i>. Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other): <i>iii</i>. Will the proposed action require a new, or an upgrade, to an existing substation? □ Yes □ No 		
1. Hours of operation. Answer all items which apply. ii. During Operations: iii. During Operations: iii. During Operations: iiii. During Operations: iiiii.		

m. Will the proposed action produce noise that will exceed existing ambient noise levels during construction,	\Box Yes \Box No
If yes:	
<i>i</i> . Provide details including sources, time of day and duration:	
<i>ii.</i> Will the proposed action remove existing natural barriers that could act as a noise barrier or screen? Describe:	\Box Yes \Box No
n. Will the proposed action have outdoor lighting?	\Box Yes \Box No
<i>i.</i> Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures:	
<i>ii.</i> Will proposed action remove existing natural barriers that could act as a light barrier or screen?	□ Yes □ No
Describe:	
If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest	
occupied structures:	
p. Will the proposed action include any bulk storage of petroleum (combined capacity of over 1,100 gallons)	□ Yes □ No
or chemical products 185 gallons in above ground storage or any amount in underground storage?	105 110
If Yes: <i>i</i> Product(s) to be stored	
<i>ii.</i> Volume(s) per unit time (e.g., month, year)	
<i>iii</i> . Generally, describe the proposed storage facilities:	
q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides,	□ Yes □ No
insecticides) during construction or operation?	
<i>i</i> . Describe proposed treatment(s):	
<i>n</i> . Will the proposed action use Integrated Pest Management Practices? r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal	\Box Yes \Box No
of solid waste (excluding hazardous materials)?	
<i>i</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)	
Construction:	
• Operation:	
<i>iii.</i> 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? \Box Yes \Box No		
 i. Type of management or handling of waste proposed for the site (e.g., recycling or transfer station, composting, landfill, or other disposal activities): 		
<i>ii.</i> Anticipated rate of disposal/processing:		
• Tons/month, if transfer or other non-combustion/thermal treatment, or		
• Tons/hour. if combustion or thermal treatment		
<i>iii.</i> If landfill, anticipated site life: years		
t. Will the proposed action at the site involve the commercial generation, treatment, storage, or disposal of hazardous \square Yes \square No waste?		
If Yes:		
<i>i</i> . Name(s) of all hazardous wastes or constituents to be generated, handled or managed at facility:		
<i>ii</i> . Generally describe processes or activities involving hazardous wastes or constituents:		
iii Specify amount to be handled or generated tons/month		
<i>iv.</i> 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? \Box Yes \Box 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>i</i> . Check all uses that occur on, adjoining and near the □ Urban □ Industrial □ Commercial □ Resid □ Forest □ Agriculture □ Aquatic □ Other <i>ii</i> . If mix of uses, generally describe:	project site. lential (suburban) □ Rura (specify):	l (non-farm)	
b. Land uses and covertypes on the project site.			
Land use or Covertype	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces			
Forested			
• Meadows, grasslands or brushlands (non- agricultural, including abandoned agricultural)			
• Agricultural (includes active orchards, field, greenhouse etc.)			
• Surface water features (lakes, ponds, streams, rivers, etc.)			
• Wetlands (freshwater or tidal)			
• Non-vegetated (bare rock, earth or fill)			
Other Describe:			

c. Is the project site presently used by members of the community for public recreation? <i>i</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>i</i>. Dimensions of the dam and impoundment:	□ Yes □ No
 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 facili If Yes:	□ Yes □ No ty?
<i>i</i> . Has the facility been formally closed?	\Box Yes \Box No
If yes, cite sources/documentation:	
<i>n</i> . Describe the location of the project site relative to the boundaries of the solid waste management facility:	
<i>iii</i> . 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: 	□ Yes □ No
. Describe waste(s) nancied and waste management activities, including approximate time when activities occurre	u:
 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>i</i> . Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site Remediation database? Check all that apply:	\Box Yes \Box No
□ Yes – Spills Incidents database Provide DEC ID number(s):	
 □ Yes – Environmental Site Remediation database □ Neither database Provide DEC ID number(s): 	
<i>ii</i> . If site has been subject of RCRA corrective activities, describe control measures:	
<i>iii.</i> 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
<i>iv.</i> If yes to (i), (ii) or (iii) above, describe current status of site(s):	

<i>v</i> . Is the project site subject to an institutional control limiting property uses?	□ Y	es □ 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? 	□ Y	es 🗆 No
Explain:	- 1	05 - 110
E.2. Natural Resources On or Near Project Site		
a. What is the average depth to bedrock on the project site?f	eet	
b. Are there bedrock outcroppings on the project site?	□ Y	es 🗆 No
If Yes, what proportion of the site is comprised of bedrock outcroppings?	%	
C Predominant soil type(s) present on project site:	0/2	
c. riedoniniant son type(s) present on project site.	% %	
	%	
d. What is the average depth to the water table on the project site? Average: feet		
e. Drainage status of project site soils: Well Drained: % of site		
□ Moderately Well Drained:% of site		
□ Poorly Drained% of site		
f. Approximate proportion of proposed action site with slopes: \Box 0-10%:	% of site	
□ 10-15%:	% of site	
\Box 15% or greater:	% of site	
g. Are there any unique geologic features on the project site?	□ Y	es □ No
If Yes, describe:		
h. Surface water features.		
i. Does any portion of the project site contain wetlands or other waterbodies (including stream	ns, rivers, $\Box Y$	es □ No
ponds or lakes)?		
<i>ii.</i> Do any wetlands or other waterbodies adjoin the project site?	$\Box Y$	es □ No
If Yes to either <i>i</i> or <i>ii</i> , continue. If No, skip to E.2.1.		> _
<i>iii.</i> Are any of the wetlands or waterbodies within or adjoining the project site regulated by an atom or local accord	y federal, $\Box Y$	es □ No
iv. For each identified regulated wetland and waterbody on the project site, provide the follow	ing information.	
• Streams: Name Cla	assification	
• Lakes or Ponds: Name Cla	ssification	
Wetlands: Name Applied to the second sec	proximate Size	
• Wetland No. (if regulated by DEC)		
v. Are any of the above water bodies listed in the most recent compilation of NYS water qual	ty-impaired \Box Y	es □ No
Waterboures? If yes, name of impaired water body/bodies and basis for listing as impaired:		
i. Is the project site in a designated Floodway?	□ Y	es □ No
j. Is the project site in the 100-year Floodplain?	□ Y	es 🗆 No
k. Is the project site in the 500-year Floodplain?	□ Y	es □ No
1. Is the project site located over, or immediately adjoining, a primary, principal or sole source	aquifer?	es □ No
If Yes:		
<i>i</i> . Name of aquifer:		

m Identify the predominant wildlife species that occupy or use the project site:	
In Identify the predominant when especies that occupy of use the project site.	
n. Does the project site contain a designated significant natural community?	\Box Yes \Box No
If Yes:	
<i>i</i> . Describe the habitat/community (composition, function, and basis for designation):	
ii Course(a) of description or evaluation.	
<i>ii</i> . Source(s) of description of evaluation:	
• Currently: acres	
Following completion of project as proposed:	
 Gain or loss (indicate + or -): Gain or loss (indicate + or -): 	
o. Does project site contain any species of plant or animal that is listed by the federal government or NYS as	\Box Yes \Box No
endangered or threatened, or does it contain any areas identified as habitat for an endangered or threatened	species?
If Yes:	
<i>i.</i> Species and listing (endangered or threatened):	
p. Does the project site contain any species of plant or animal that is listed by NYS as rare, or as a species of	\Box Yes \Box No
special concern?	
If Yes:	
i. Species and listing:	
q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing?	\Box Yes \Box No
If yes, give a brief description of how the proposed action may affect that use:	
E.3. Designated Public Resources On or Near Project Site	
a. Is the project site, or any portion of it, located in a designated agricultural district certified pursuant to	\Box Yes \Box No
Agriculture and Markets Law, Article 25-AA, Section 303 and 304?	
If Yes, provide county plus district name/number:	
b. Are agricultural lands consisting of highly productive soils present?	□ Yes □ No
<i>i.</i> If Yes: acreage(s) on project site?	100 110
<i>ii.</i> Source(s) of soil rating(s):	
a Deap the project site contain all on port of on is it substantially continuous to a registered National	
c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Netural Lendmark?	\Box Yes \Box No
Induital Lanumark?	
<i>i</i> Nature of the natural landmark: \Box Biological Community \Box Geological Feature	
<i>ii.</i> 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?	\Box Yes \Box No
If Yes:	
<i>I.</i> CEA name:	
<i>u.</i> Basis for designation:	

 e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissio Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Pla If Yes: i. Nature of historic/archaeological resource: i. Nature of historic/archaeological resource: i. Archaeological Site i. Historic Building or District ii. Name: iii. Brief description of attributes on which listing is based: 	□ Yes □ No oner of the NYS ces?
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?	□ Yes □ No
 g. Have additional archaeological or historic site(s) or resources been identified on the project site? If Yes: <i>i</i>. Describe possible resource(s): <i>ii</i>. Basis for identification: 	□ Yes □ No
 h. Is the project site within fives miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource? If Yes: <i>i</i>. Identify resource: <i>ii</i>. Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or setc.): 	□ Yes □ No
<i>iii.</i> Distance between project and resource: miles.	
 i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666? 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? 	□ Yes □ No
<i>a</i> . Is the activity consistent with development restrictions contained in orvine (K) r at 000?	

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 _____ Date_____

Signature_Joh Jul

Title_____

Mair



B.i.i [Coastal or Waterfront Area]	No
B.i.ii [Local Waterfront Revitalization Area]	No
C.2.b. [Special Planning District]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
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]	Yes
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.iv [Surface Water Features - Stream Name]	857-20
E.2.h.iv [Surface Water Features - Stream Classification]	С
E.2.h.iv [Surface Water Features - Wetlands Name]	Federal Waters
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
E.2.o. [Endangered or Threatened Species - Name]	Blanding's Turtle, Indiana Bat
E.2.p. [Rare Plants or Animals]	No
E.3.a. [Agricultural District]	Yes
E.3.a. [Agricultural District]	DUTC022
E.3.c. [National Natural Landmark]	No
E.3.d [Critical Environmental Area]	No
E.3.e. [National or State Register of Historic Places or State Eligible Sites]	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

Full Environmental Assessment FormPart 2 - Identification of Potential Project Impacts

Project : Date :

Part 2 is to be completed by the lead agency. Part 2 is designed to help the lead agency inventory all potential resources that could be affected by a proposed project or action. We recognize that the lead agency's reviewer(s) will not necessarily be environmental professionals. So, the questions are designed to walk a reviewer through the assessment process by providing a series of questions that can be answered using the information found in Part 1. To further assist the lead agency in completing Part 2, the form identifies the most relevant questions in Part 1 that will provide the information needed to answer the Part 2 question. When Part 2 is completed, the lead agency will have identified the relevant environmental areas that may be impacted by the proposed activity.

If the lead agency is a state agency **and** the action is in any Coastal Area, complete the Coastal Assessment Form before proceeding with this assessment.

Tips for completing Part 2:

- Review all of the information provided in Part 1.
- Review any application, maps, supporting materials and the Full EAF Workbook.
- Answer each of the 18 questions in Part 2.
- If you answer "Yes" to a numbered question, please complete all the questions that follow in that section.
- If you answer "No" to a numbered question, move on to the next numbered question.
- Check appropriate column to indicate the anticipated size of the impact.
- Proposed projects that would exceed a numeric threshold contained in a question should result in the reviewing agency checking the box "Moderate to large impact may occur."
- The reviewer is not expected to be an expert in environmental analysis.
- If you are not sure or undecided about the size of an impact, it may help to review the sub-questions for the general question and consult the workbook.
- When answering a question consider all components of the proposed activity, that is, the "whole action".
- Consider the possibility for long-term and cumulative impacts as well as direct impacts.
- Answer the question in a reasonable manner considering the scale and context of the project.

1. Impact on Land

•	Impact on Land			
	Proposed action may involve construction on, or physical alteration of,	🗆 NO		YES
	the land surface of the proposed site. (See Part 1. D.1)			
	If "Yes", answer questions a - j. If "No", move on to Section 2.			
		Delement	No. or	Madamata

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may involve construction on land where depth to water table is less than 3 feet.	E2d		
b. The proposed action may involve construction on slopes of 15% or greater.	E2f		
c. The proposed action may involve construction on land where bedrock is exposed, or generally within 5 feet of existing ground surface.	E2a		
d. The proposed action may involve the excavation and removal of more than 1,000 tons of natural material.	D2a		
e. The proposed action may involve construction that continues for more than one year or in multiple phases.	D1e		
f. The proposed action may result in increased erosion, whether from physical disturbance or vegetation removal (including from treatment by herbicides).	D2e, D2q		
g. The proposed action is, or may be, located within a Coastal Erosion hazard area.	B1i		
h. Other impacts:			

2. Impact on Geological Features			
The proposed action may result in the modification or destruction of, or inhib access to, any unique or unusual land forms on the site (e.g., cliffs, dunes, minerals, fossils, caves). (See Part 1. E.2.g)	it □ NC		YES
If "Yes", answer questions a - c. If "No", move on to Section 3.	Dolovant	No or	Modorato
	Part I Question(s)	small impact may occur	to large impact may occur
a. Identify the specific land form(s) attached:	E2g		
b. The proposed action may affect or is adjacent to a geological feature listed as a registered National Natural Landmark. Specific feature:	E3c		
c. Other impacts:			
2 June de la Carle e Weder			
 The proposed action may affect one or more wetlands or other surface water bodies (e.g., streams, rivers, ponds or lakes). (See Part 1. D.2, E.2.h) If "Yes", answer questions a - l. If "No", move on to Section 4. 	□ NC		YES
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may create a new water body.	D2b, D1h		
b. The proposed action may result in an increase or decrease of over 10% or more than a 10 acre increase or decrease in the surface area of any body of water.	D2b		
c. The proposed action may involve dredging more than 100 cubic yards of material from a wetland or water body.	D2a		
d. The proposed action may involve construction within or adjoining a freshwater or tidal wetland, or in the bed or banks of any other water body.	E2h		
e. The proposed action may create turbidity in a waterbody, either from upland erosion, runoff or by disturbing bottom sediments.	D2a, D2h		
f. The proposed action may include construction of one or more intake(s) for withdrawal of water from surface water.	D2c		
g. The proposed action may include construction of one or more outfall(s) for discharge of wastewater to surface water(s).	D2d		
h. The proposed action may cause soil erosion, or otherwise create a source of stormwater discharge that may lead to siltation or other degradation of receiving water bodies.	D2e		
i. The proposed action may affect the water quality of any water bodies within or downstream of the site of the proposed action.	E2h		
j. The proposed action may involve the application of pesticides or herbicides in or around any water body.	D2q, E2h		
k. The proposed action may require the construction of new, or expansion of existing, wastewater treatment facilities.	D1a, D2d		

1. Other impacts:				
 4. Impact on groundwater The proposed action may result in new or additional use of ground water, or □ NO □ YES may have the potential to introduce contaminants to ground water or an aquifer. (See Part 1. D.2.a, D.2.c, D.2.d, D.2.p, D.2.q, D.2.t) If "Yes" answer questions a - h. If "No" move on to Section 5.				
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur	
a. The proposed action may require new water supply wells, or create additional demand on supplies from existing water supply wells.	D2c			
 b. Water supply demand from the proposed action may exceed safe and sustainable withdrawal capacity rate of the local supply or aquifer. Cite Source:	D2c			
c. The proposed action may allow or result in residential uses in areas without water and sewer services.	D1a, D2c			
d. The proposed action may include or require wastewater discharged to groundwater.	D2d, E2l			
e. The proposed action may result in the construction of water supply wells in locations where groundwater is, or is suspected to be, contaminated.	D2c, E1f, E1g, E1h			
f. The proposed action may require the bulk storage of petroleum or chemical products over ground water or an aquifer.	D2p, E2l			
g. The proposed action may involve the commercial application of pesticides within 100 feet of potable drinking water or irrigation sources.	E2h, D2q, E2l, D2c			
h. Other impacts:				

5. Impact on Flooding The proposed action may result in development on lands subject to flooding. (See Part 1. E.2)	□ NC		YES
If "Yes", answer questions a - g. If "No", move on to Section 6.	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in development in a designated floodway.	E2i		
b. The proposed action may result in development within a 100 year floodplain.	E2j		
c. The proposed action may result in development within a 500 year floodplain.	E2k		
d. The proposed action may result in, or require, modification of existing drainage patterns.	D2b, D2e		
e. The proposed action may change flood water flows that contribute to flooding.	D2b, E2i, E2j, E2k		
f. If there is a dam located on the site of the proposed action, is the dam in need of repair, or upgrade?	E1e		

g. Other impacts:			
6. Impacts on Air The proposed action may include a state regulated air emission source. (See Part 1. D.2.f., D.2.h, D.2.g) If "Yes" answer questions a - f. If "No" move on to Section 7	□ NC	□ NO □ YES	
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
 a. If the proposed action requires federal or state air emission permits, the action may also emit one or more greenhouse gases at or above the following levels: More than 1000 tons/year of carbon dioxide (CO₂) More than 3.5 tons/year of nitrous oxide (N₂O) More than 1000 tons/year of carbon equivalent of perfluorocarbons (PFCs) More than .045 tons/year of sulfur hexafluoride (SF₆) More than 1000 tons/year of carbon dioxide equivalent of hydrochloroflourocarbons (HFCs) emissions 43 tons/year or more of methane 	D2g D2g D2g D2g D2g D2g D2h		
b. The proposed action may generate 10 tons/year or more of any one designated hazardous air pollutant, or 25 tons/year or more of any combination of such hazardous air pollutants.	D2g		
c. The proposed action may require a state air registration, or may produce an emissions rate of total contaminants that may exceed 5 lbs. per hour, or may include a heat source capable of producing more than 10 million BTU's per hour.	D2f, D2g		
d. The proposed action may reach 50% of any of the thresholds in "a" through "c", above.	D2g		
e. The proposed action may result in the combustion or thermal treatment of more than 1 ton of refuse per hour.	D2s		
f. Other impacts:			

7. Impact on Plants and Animals The proposed action may result in a loss of flora or fauna. (See Part 1. E.2. mq.) If "Yes", answer questions a - i. If "No", move on to Section 8.		□ NO	□ YES
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may cause reduction in population or loss of individuals of any threatened or endangered species, as listed by New York State or the Federal government, that use the site, or are found on, over, or near the site.	E2o		
b. The proposed action may result in a reduction or degradation of any habitat used by any rare, threatened or endangered species, as listed by New York State or the federal government.	E2o		
c. The proposed action may cause reduction in population, or loss of individuals, of any species of special concern or conservation need, as listed by New York State or the Federal government, that use the site, or are found on, over, or near the site.	E2p		
d. The proposed action may result in a reduction or degradation of any habitat used by any species of special concern and conservation need, as listed by New York State or the Federal government.	E2p		

e. The proposed action may diminish the capacity of a registered National Natural Landmark to support the biological community it was established to protect.	E3c	
 f. The proposed action may result in the removal of, or ground disturbance in, any portion of a designated significant natural community. Source:	E2n	
g. The proposed action may substantially interfere with nesting/breeding, foraging, or over-wintering habitat for the predominant species that occupy or use the project site.	E2m	
h. The proposed action requires the conversion of more than 10 acres of forest, grassland or any other regionally or locally important habitat. Habitat type & information source:	E1b	
i. Proposed action (commercial, industrial or recreational projects, only) involves use of herbicides or pesticides.	D2q	
j. Other impacts:		

8. Impact on Agricultural Resources The proposed action may impact agricultural resources. (See Part 1. E.3.a. and b.) If "Yes", answer questions a - h. If "No", move on to Section 9.		□ NO	□ YES
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may impact soil classified within soil group 1 through 4 of the NYS Land Classification System.	E2c, E3b		
b. The proposed action may sever, cross or otherwise limit access to agricultural land (includes cropland, hayfields, pasture, vineyard, orchard, etc).	E1a, Elb		
c. The proposed action may result in the excavation or compaction of the soil profile of active agricultural land.	E3b		
d. The proposed action may irreversibly convert agricultural land to non-agricultural uses, either more than 2.5 acres if located in an Agricultural District, or more than 10 acres if not within an Agricultural District.	E1b, E3a		
e. The proposed action may disrupt or prevent installation of an agricultural land management system.	El a, E1b		
f. The proposed action may result, directly or indirectly, in increased development potential or pressure on farmland.	C2c, C3, D2c, D2d		
g. The proposed project is not consistent with the adopted municipal Farmland Protection Plan.	C2c		
h. Other impacts:			

9. Impact on Aesthetic Resources The land use of the proposed action are obviously different from, or are in sharp contrast to, current land use patterns between the proposed project and a scenic or aesthetic resource. (Part 1. E.1.a, E.1.b, E.3.h.) If "Yes", answer questions a - g. If "No", go to Section 10.	□ N(YES
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. Proposed action may be visible from any officially designated federal, state, or local scenic or aesthetic resource.	E3h		
b. The proposed action may result in the obstruction, elimination or significant screening of one or more officially designated scenic views.	E3h, C2b		
c. The proposed action may be visible from publicly accessible vantage points:i. Seasonally (e.g., screened by summer foliage, but visible during other seasons)ii. Year round	E3h		
d. The situation or activity in which viewers are engaged while viewing the proposed action is:i. Routine travel by residents, including travel to and from work ii. Recreational or tourism based activities	E3h E2q, E1c		
e. The proposed action may cause a diminishment of the public enjoyment and appreciation of the designated aesthetic resource.	E3h		
 f. There are similar projects visible within the following distance of the proposed project: 0-1/2 mile 1/2 -3 mile 3-5 mile 5+ mile 	D1a, E1a, D1f, D1g		
g. Other impacts:			
10 Impact on Historic and Archeological Resources	l		
The proposed action may occur in or adjacent to a historic or archaeological resource. (Part 1. E.3.e, f. and g.)		D D	YES
	Relevant	No, or	Moderate

	Part I Question(s)	small impact may occur	to large impact may occur
a. The proposed action may occur wholly or partially within, or substantially contiguous to, any buildings, archaeological site or district which is listed on the National or State Register of Historical Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places.	E3e		
b. The proposed action may occur wholly or partially within, or substantially contiguous to, an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory.	E3f		
c. The proposed action may occur wholly or partially within, or substantially contiguous to, an archaeological site not included on the NY SHPO inventory. Source:	E3g		

d. Other impacts:			
If any of the above (a-d) are answered "Moderate to large impact may e. occur", continue with the following questions to help support conclusions in Part 3:			
i. The proposed action may result in the destruction or alteration of all or part of the site or property.	E3e, E3g, E3f		
ii. The proposed action may result in the alteration of the property's setting or integrity.	E3e, E3f, E3g, E1a, E1b		
iii. The proposed action may result in the introduction of visual elements which are out of character with the site or property, or may alter its setting.	E3e, E3f, E3g, E3h, C2, C3		
		•	
 11. Impact on Open Space and Recreation The proposed action may result in a loss of recreational opportunities or a reduction of an open space resource as designated in any adopted municipal open space plan. (See Part 1. C.2.c, E.1.c., E.2.q.) If "Yes", answer questions a - e. If "No", go to Section 12.			YES
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in an impairment of natural functions, or "ecosystem services", provided by an undeveloped area, including but not limited to stormwater storage, nutrient cycling, wildlife habitat.	D2e, E1b E2h, E2m, E2o, E2n, E2p		
b. The proposed action may result in the loss of a current or future recreational resource.	C2a, E1c, C2c, E2q		
c. The proposed action may eliminate open space or recreational resource in an area with few such resources.	C2a, C2c E1c, E2q		
d. The proposed action may result in loss of an area now used informally by the community as an open space resource.	C2c, E1c		
e. Other impacts:			
12. Impact on Critical Environmental Areas The proposed action may be located within or adjacent to a critical environmental area (CEA). (See Part 1. E.3.d) If "Yes" answer questions a - c. If "No" go to Section 13			YES
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in a reduction in the quantity of the resource or characteristic which was the basis for designation of the CEA.	E3d		
b. The proposed action may result in a reduction in the quality of the resource or characteristic which was the basis for designation of the CEA.	E3d		
c. Other impacts:			

13. Impact on Transportation The proposed action may result in a change to existing transportation systems			VES				
(See Part 1. D.2.j)			115				
If Yes, answer questions a - J. If No, go to Section 14.	Relevant Part I Question(s)	No, or small impact	Moderate to large impact may				
a Projected traffic increase may exceed capacity of existing road network	D2i	may occur	occur				
b. The proposed action may result in the construction of paved parking area for 500 or more vehicles.	D2j						
c. The proposed action will degrade existing transit access.	D2j						
d. The proposed action will degrade existing pedestrian or bicycle accommodations.	D2j						
e. The proposed action may alter the present pattern of movement of people or goods.	D2j						
f. Other impacts:							
14. Impact on Energy The proposed action may cause an increase in the use of any form of energy. (See Part 1. D.2.k)			YES				
If "Yes", answer questions a - e. If "No", go to Section 15.	Relevant	No, or	Moderate				
	Part I Question(s)	small impact may occur	to large impact may occur				
a. The proposed action will require a new, or an upgrade to an existing, substation.	D2k						
b. The proposed action will require the creation or extension of an energy transmission or supply system to serve more than 50 single or two-family residences or to serve a commercial or industrial use.	D1f, D1q, D2k						
c. The proposed action may utilize more than 2,500 MWhrs per year of electricity.	D2k						
d. The proposed action may involve heating and/or cooling of more than 100,000 square feet of building area when completed.	D1g						
e. Other Impacts:							
15. Impact on Noise, Odor, and Light The proposed action may result in an increase in noise, odors, or outdoor lighting. □ NO □ YES (See Part 1. D.2.m., n., and o.) If "Yas" answer questions a = f. If "No" as to Section 16							
(See Part 1. D.2.m., n., and o.) If "Yes", answer questions a - f. If "No", go to Section 16.							
(See Part 1. D.2.m., n., and o.) If "Yes", answer questions a - f. If "No", go to Section 16.	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur				
 (See Part 1. D.2.m., n., and o.) <i>If "Yes", answer questions a - f. If "No", go to Section 16.</i> a. The proposed action may produce sound above noise levels established by local regulation. 	Relevant Part I Question(s) D2m	No, or small impact may occur	Moderate to large impact may occur				
 (See Part 1. D.2.m., n., and o.) <i>If "Yes", answer questions a - f. If "No", go to Section 16.</i> a. The proposed action may produce sound above noise levels established by local regulation. b. The proposed action may result in blasting within 1,500 feet of any residence, hospital, school, licensed day care center, or nursing home. 	Relevant Part I Question(s) D2m D2m, E1d	No, or small impact may occur	Moderate to large impact may occur				

d. The proposed action may result in light shining onto adjoining properties.	D2n	
e. The proposed action may result in lighting creating sky-glow brighter than existing area conditions.	D2n, E1a	
f. Other impacts:		

16. Impact on Human Health The proposed action may have an impact on human health from exposure to new or existing sources of contaminants. (See Part 1.D.2.q., E.1. d. f. g. ar <i>If "Yes", answer questions a - m. If "No", go to Section 17.</i>	□ N(nd h.)		YES
	Relevant Part I Question(s)	No,or small impact may cccur	Moderate to large impact may occur
a. The proposed action is located within 1500 feet of a school, hospital, licensed day care center, group home, nursing home or retirement community.	E1d		
b. The site of the proposed action is currently undergoing remediation.	E1g, E1h		
c. There is a completed emergency spill remediation, or a completed environmental site remediation on, or adjacent to, the site of the proposed action.	E1g, E1h		
d. The site of the action is subject to an institutional control limiting the use of the property (e.g., easement or deed restriction).	Elg, Elh		
e. The proposed action may affect institutional control measures that were put in place to ensure that the site remains protective of the environment and human health.	Elg, Elh		
f. The proposed action has adequate control measures in place to ensure that future generation, treatment and/or disposal of hazardous wastes will be protective of the environment and human health.	D2t		
g. The proposed action involves construction or modification of a solid waste management facility.	D2q, E1f		
h. The proposed action may result in the unearthing of solid or hazardous waste.	D2q, E1f		
i. The proposed action may result in an increase in the rate of disposal, or processing, of solid waste.	D2r, D2s		
j. The proposed action may result in excavation or other disturbance within 2000 feet of a site used for the disposal of solid or hazardous waste.	E1f, E1g E1h		
k. The proposed action may result in the migration of explosive gases from a landfill site to adjacent off site structures.	E1f, E1g		
1. The proposed action may result in the release of contaminated leachate from the project site.	D2s, E1f, D2r		
m. Other impacts:			

17. Consistency with Community Plans			7 50
(See Part 1. C.1, C.2. and C.3.)	LINO	L I	ES
If "Yes", answer questions a - h. If "No", go to Section 18.			1
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action's land use components may be different from, or in sharp contrast to, current surrounding land use pattern(s).	C2, C3, D1a E1a, E1b		
b. The proposed action will cause the permanent population of the city, town or village in which the project is located to grow by more than 5%.	C2		
c. The proposed action is inconsistent with local land use plans or zoning regulations.	C2, C2, C3		
d. The proposed action is inconsistent with any County plans, or other regional land use plans.	C2, C2		
e. The proposed action may cause a change in the density of development that is not supported by existing infrastructure or is distant from existing infrastructure.	C3, D1c, D1d, D1f, D1d, Elb		
f. The proposed action is located in an area characterized by low density development that will require new or expanded public infrastructure.	C4, D2c, D2d D2j		
g. The proposed action may induce secondary development impacts (e.g., residential or commercial development not included in the proposed action)	C2a		
h. Other:			
18. Consistency with Community Character The proposed project is inconsistent with the existing community character. (See Part 1. C.2, C.3, D.2, E.3) If "Vas" answer questions a gain of "No" proceed to Part 3	□ NO	ΠY	ΈS
If Tes , unswer questions a - g. If No , proceed to Fart 5.	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may
a. The proposed action may replace or eliminate existing facilities, structures, or areas of historic importance to the community.	E3e, E3f, E3g		occur
b. The proposed action may create a demand for additional community services (e.g.	C4		
schools, police and fire)			
c. The proposed action may displace affordable or low-income housing in an area where there is a shortage of such housing.	C2, C3, D1f D1g, E1a		
 c. The proposed action may displace affordable or low-income housing in an area where there is a shortage of such housing. d. The proposed action may interfere with the use or enjoyment of officially recognized or designated public resources. 	C2, C3, D1f D1g, E1a C2, E3		
 b. The proposed action may create a demand for additional community services (e.g. schools, police and fire) c. The proposed action may displace affordable or low-income housing in an area where there is a shortage of such housing. d. The proposed action may interfere with the use or enjoyment of officially recognized or designated public resources. e. The proposed action is inconsistent with the predominant architectural scale and character. 	C2, C3, D1f D1g, E1a C2, E3 C2, C3		
 b. The proposed action may create a demand for additional community services (e.g. schools, police and fire) c. The proposed action may displace affordable or low-income housing in an area where there is a shortage of such housing. d. The proposed action may interfere with the use or enjoyment of officially recognized or designated public resources. e. The proposed action is inconsistent with the predominant architectural scale and character. f. Proposed action is inconsistent with the character of the existing natural landscape. 	C2, C3, D1f D1g, E1a C2, E3 C2, C3 C2, C3 E1a, E1b E2g, E2h		

Ecological Solutions, LLC

121 Leon Stocker Drive Stratton, VT 05360 Phone (203) 910-4716 ecolsol@aol.com

December 5, 2023 Revised: January 11, 2024

John Goetz Mid Hudson Development Corp. PO Box 636 Fishkill, NY 12524

> *Re: Wetland Deliniation Conservation Corners Cedar Hill Road, Town of Wappinger*

Dear John:

Ecological Solutions, LLC completed a wetland delineation on the referenced site located on Cedar Hill Road in the Town of Wappinger on August 10, 2023 (*Figure 1*).

Federal wetlands or waters of the US are based upon the identification of the three mandatory criteria for wetland determination as outlined in the 1987 Federal Manual and supplement: dominant hydrophytic vegetation, hydric soils, and evidence of wetland hydrology. The Routine Methodology procedure for wetland determination was utilized. The Town of Wappinger wetland code is similar although either wetland vegetation or hydric soils are required to be wetland and not all three parameters.

The detailed field investigation included:

- 1. Identification of vegetation species to determine whether there was a dominance of hydrophytic plants and areas containing transitional but primarily wetland-oriented species.
- 2. Determination of soil features for hydric (poorly and very poorly drained) natural soils.
- Observation of site features displaying evidence of wetland hydrology based on the presence of inundated areas, apparent high seasonal water tables, and evidence of saturation within 12 inches of the surface (considered the root zone) during sufficient periods during the growing season to provide for anaerobic/hydric soil conditions during soil sampling.

The delineation was completed in accordance with the Army Corps of Engineers (USACE) Wetlands Delineation Manual (January 1987), Routine Determination Method and Northcentral/Northeast supplement. One wetland was delineated along the south central part of the site with a watercourse flowing through from east to west. No other wetlands or watercourses were identified on the site even though some potential wetland areas noted from mapping suggests

that there are other resources on the site. These areas were reviewed in detail to determine if wetlands or watercourses were located in these areas but none were observed.

There appear to be no New York State Department of Environmental Conservation (NYSDEC) Article 24 wetlands or Article 15 regulated watercourses on the site with the closest NYSDEC wetland located west of Smithtown Road (*Figure 2*).

If you need any additional information, please contact me.

Sincerely, ECOLOGICAL SOLUTIONS, LLC

Muluf Minhe.

Michael Nowicki Biologist





Figure 2 NYSDEC Map



Amy Bombardieri

From:	Amy Bombardieri
Sent:	Tuesday, August 29, 2023 3:46 PM
То:	Masi, Lisa M (DEC)
Cc:	Petronella, John W (DEC); Ermer, Nathan M (DEC); Booth-Binczik, Susan D (DEC); John
	Goetz; Kenneth Stenger
Subject:	RE: Joey Estates Blandings / Bat hit

Thanks Lisa,

Our intent is to develop this as a conservation subdivision and limit disturbance to 30 acres. Albeit still in excess of 10 acres, it will result in 1/3 of the impact.



From: Masi, Lisa M (DEC) <lisa.masi@dec.ny.gov>
Sent: Tuesday, August 29, 2023 3:34 PM
To: Amy Bombardieri <amy@daystokosaeng.com>
Cc: Petronella, John W (DEC) <john.petronella@dec.ny.gov>; Ermer, Nathan M (DEC) <nathan.ermer@dec.ny.gov>; Booth-Binczik, Susan D (DEC) <Susan.Booth-Binczik@dec.ny.gov>
Subject: RE: Joey Estates Blandings / Bat hit

Hello Amy,

I was able to look at the project location. The property does not fall in the screening distances for our known records of Blanding's turtle in the area. The EAF output, and ERM mapper display, are likely the result of some intentional efforts to obscure turtle locations (providing larger, and slightly moved, or off center, buffers) as to not give away exact location data.

I do see that part of the project does fall within 2000m of the Hudsonia identified significant habitat.

The Hudsonia mapping did not come up with any nesting habitat areas on the site, but did show a few small wetlands (associated wetlands) on the site.

Again, our office would not consider the site occupied habitat for Blanding's turtles.

We do consider the site occupied for Indiana Bats. In addition to the Time of year restriction (Acceptable work window of October 1st to March 31st) it looks like the project will result in 92 acres of forested habitat removal. Since the project will result in more than 10 acres of tree removal, a review of impacts to habitat including an analysis in change in percent forest cover and indirect impacts to the species related to noise, lighting, chemical use, dust, etc. as specified in the attached fact sheet is needed for this site.

Lisa

From: Amy Bombardieri <<u>amy@daystokosaeng.com</u>> Sent: Monday, August 7, 2023 10:32 AM To: Masi, Lisa M (DEC) <<u>lisa.masi@dec.ny.gov</u>>

Cc: Petronella, John W (DEC) <<u>john.petronella@dec.ny.gov</u>> Subject: Joey Estates Blandings / Bat hit

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Morning Lisa,

I have a project on Cedar Hill Road in the Town of Wappinger, (parcel number 6257-03-247036) that has a hit for Blanding's and bats. Tree removal will be restricted to the winter months.

As for the turtles, I don't think this is their preferred nesting habitat. The are no substantial water bodies onsite and preliminary soil testing showed a silt loam material. The parcel is hilly as well. The attached is my most recent submission to the Planning Board and includes the EAF and plan set.

I asked you about another parcel in Wappinger last year and you referred to a Wappinger Blanding's turtle habitat mapping exercise. I can't find that but the Hudsonia map shows a small portion of the parcel in the Blanding's conservation zone.

Please let me know if you find any history of Blanding's in this area. And if you could point me to the mapping exercise I'd appreciate it.

Thank you for any help,

Amy Bombardieri



3 Van Wyck Lane

Wappingers Falls, NY 12590

Cell: 845.590.1402

TRAFFIC ENGINEERING EVALUATION

PROPOSED RESIDENTIAL DEVELOPMENT CONSERVATION CORNERS – CEDAR HILL ROAD WAPPINGERS FALLS, DUTCHESS COUNTY, NEW YORK

Prepared for:

Mid-Hudson Development Corporation Conservation Corners PO Box 636 Fishkill, NY 12524

Prepared by:

KLEIN TRAFFIC CONSULTING, LLC Kleintraffic.com <u>leekleintraffic@gmail.com</u>

November 18, 2024



INTRODUCTION

The purpose of this Traffic Engineering Evaluation is to assess the traffic impacts associated with the development of the subject property located along Cedar Hill Road between Old Hopewell Road (CR 28) and Dorothy Lane. The site fronts on the west side of Cedar Hill Road. There are three outparcels, one that fronts on the west side of Cedar Hill Road north of Dorothy Lane, one that fronts on the north side of Cedar Hill Road west of Dorothy Lane, and one that fronts on the east side of Smithtown Road. The site is currently undeveloped. The proposal is to develop the site with 44 units of multifamily housing (low-rise) in 11 buildings and 18 single family homes with access via Cedar Hill Road. The four outparcels will each be developed with one single family home with driveways on their respective site frontages.

EXISTING CONDITIONS

The multifamily housing property is located generally in the southwest corner of the intersection of Old Hopewell Road with Cedar Hill Road. The lots for the single-family homes are located on Cedar Hill Road and Smithtown Road. The surrounding properties generally consist of a mix of residential uses. The adjacent roads of Cedar Hill Road, Smithtown Road, and Old Hopewell Road (County Route 28) serving the subject site are described as follows:

Cedar Hill Road has no sidewalks on either side of the street and parking is prohibited on both sides of the street. Cedar Hill Road has one lane in each direction with no shoulders. The posted speed limit near the subject site is 30 MPH.

Smithtown Road has no sidewalks on either side of the street and parking is prohibited on both sides of the street. Smithtown Road has one lane in each direction with no shoulders. The posted speed limit near the subject site is 30 MPH.

Old Hopewell Road (County Route 28) has no sidewalks on either side of the street and parking is prohibited on both sides of the street. Old Hopewell Road has one lane in each direction with narrow shoulders. The posted speed limit near the subject site is 40 MPH. Old Hopewell Road connects State Route 82 in Hopewell Junction to the east with Route 9, Route 9D, and the New Hamburg Station to the west. The New Hamburgh Station is approximately a 10-minute/4-mile drive from the multifamily housing property. There is a traffic signal at the intersection of All Angels Hill Road to the east and at State Route 9 to the west.

DEVELOPMENT PROPOSAL

The proposed development consists of the construction of 44 units of multifamily housing (lowrise) and 18 single-family homes. Proposed access to the multifamily housing site would be provided by one full movement access road on Cedar Hill Road. There are four single family homes proposed on four separate lots on three different roads.

Trip Generation

According to the <u>Trip Generation Manual, 11th Edition</u> published by the Institute of Transportation Engineers (ITE), Multifamily Housing (Low-Rise) includes "apartments, townhouses, and condominiums located within the same building with at least three other dwelling units and that have two or three floors (levels). Various configurations fit this description, including walkup apartment, mansion apartment, and stacked townhouse". Also, according to <u>Trip Generation, 11th Edition</u>, land use code 210, single-family detached housing site includes "any single-family detached home on an individual lot. A typical site surveyed is a suburban subdivision."

Table 1 -Trip Generation Summary, summarizes the trip generation for the proposed 44 multifamily housing (low-rise) and the proposed 18 single-family homes. As shown in Table 1, the proposed 44 multifamily housing plus 18 single-family homes development would generate 30 new vehicle trips during the AM peak hour (8 in and 22 out), 33 new vehicle trips during the PM peak hour (21 in and 12 out), and 28 new vehicle trips (13 in and 15 out) during the Saturday peak hour. Each of the four single-family homes with access on three roads would generate 1 new vehicle trip during the AM peak hour (0 in and 1 out), 1 new vehicle trip during the PM peak hour (1 in and 0 out), and 1 new vehicle trip during the Saturday peak hour (0 in and 1 out).

The NYSDOT SEQRA (State Environmental Quality Review Act) process "assumes that a project generating fewer than 100 peak hour vehicle trips per hour will not result in any significant increases in traffic." Also, according to <u>Transportation Impact Analysis for Site Development</u>, published by the Institute of Transportation Engineers (ITE), an increase of less than 100 vehicle trips would not change the level of service of the local street network nor appreciably increase the volume-to-capacity ratio of an intersection approach. However, we have analyzed the site generated traffic during the weekday AM and PM peak hours and the Saturday peak hour.

<u>Traffic Volumes</u>

The NYSDOT Data Viewer website was researched and traffic volumes from September 2020 were obtained for Cedar Hill Road between Old Hopewell Road (CR 28) and Dorothy Lane. According to traffic volume data obtained from the NYSDOT website, Cedar Hill Road carried approximately 1,034 vehicles per day (Average Annual Daily Traffic – AADT) in both directions in 2020. The northbound peak hour traffic on Cedar Hill Road in September 2020 was 31 vehicles per hour (VPH) and the southbound peak hour traffic was 51 VPH from 8 AM to 9 AM. The northbound peak hour traffic analysis of the site access roadway with Cedar Hill Road, the weekday AM peak hour traffic volumes of 31 VPH northbound and 51 VPH southbound on Wednesday, September 16, 2020, was chosen for the weekday AM peak hour traffic volumes of 54 VPH northbound and 54 VPH southbound were chosen for Wednesday, September 16, 2020. Based on a comparison of weekday and Saturday peak hour traffic volumes on Old Hopewell Road, we estimated the Saturday peak hour traffic volumes on Old Hopewell Road, we estimated the Saturday peak hour traffic volumes on Old Hopewell Road, we estimated the Saturday peak hour traffic to be equal to the weekday PM peak hour traffic volumes.

Traffic Analysis

The methodology found in Chapter 19, Two-Way Stop-Controlled Intersections of the <u>2010</u> <u>Highway Capacity Manual</u> published by the Transportation Research Board was used in calculating the capacity of the intersection of the right-out driveway on Richmond Avenue, yielding a level of service for the impeded traffic movements. Level of Service Definitions for signalized and unsignalized intersections are appended to this report.

Using the traffic volumes retrieved from the NYSDOT website for northbound and southbound Cedar Hill Road, we increased the 2020 traffic volumes by 2 percent per year compounded annually to reflect background growth of traffic volumes along Cedar Hill Road. Then we analyzed the proposed site access road during the weekday AM and PM and Saturday peak hours. The results of the analysis of the proposed site access road at Cedar Hill Road for the weekday AM, PM and Saturday peak hours for the Build Condition are summarized in Table 2.

The Build peak hour traffic conditions show acceptable operating conditions at the studied intersection, which are characterized by low average vehicle delay. The combined left-turn/right-turn traffic movements at the studied intersection of the site access road with Cedar Hill Road would operate at acceptable Levels of Service (LOS) A with an average vehicle delay of less than 10 seconds during the weekday AM peak hour, during the weekday PM peak hour, and during the Saturday midday peak hour. The one-page summaries of the intersection capacity analysis worksheets are appended to this report.

Cedar Hill Road - Exclusive Left Turn Lane

AASHTO, A Policy on Geometric Design of Highways and Streets, provides a guide for left-turn lanes on two-lane highways in Table 9-23. According to the NYSDOT Traffic Data Viewer information, the operating speed is 30 MPH. The maximum number of left turning traffic movements into the proposed site access roadway is 10 vehicles per hour (VPH) during the weekday PM peak hour. With advancing traffic volume of 73 VPH on southbound Cedar Hill Road, the 10 left turning movements are less than 14 percent. For a roadway with an operating speed of 30 MPH, with less than 100 opposing vehicle volume per hour, and with more than 10 percent left turns in the advancing traffic volume, an exclusive left turn lane on Cedar Hill Road northbound is not warranted.

CONCLUSIONS

Based upon our Traffic Engineering Evaluation, it is our professional opinion that the proposed 44 units of multifamily housing (low-rise) and 18 single-family homes would not have a significant impact on traffic conditions during the weekday AM and PM peak hours or the Saturday peak hour. The proposed use would generate less than the peak hour trip generation limits of the NYSDOT SEQRA (State Environmental Quality Review Act) process that "assumes that a project generating fewer than 100 peak hour vehicle trips per hour will not result in any significant increases in traffic." However, we used the NYSDOT Traffic Data Viewer traffic volume data to analyze the proposed site access roadway with Cedar Hill Road and found the proposed site access road and Cedar Hill Road to operate at acceptable Levels of Service during the weekday AM, PM, and Saturday peak hours.

Based upon our Traffic Engineering Evaluation, it is our professional opinion that the proposed single-family homes would not have a significant impact on traffic conditions during the weekday AM and PM peak hours or the Saturday peak hour.

In conclusion, the development of this subject property would have no significant impact on the traffic operations of the intersection of the proposed site access road with Cedar Hill Road.

The foregoing is a true representation of my findings.

Lee D Klei

LEE D. KLEIN, P.E., PTOE NY State Professional Engineer License No. 077773 Professional Traffic Operations Engineer 1627

TRAFFIC OPERATIONS

Capacity analysis, a procedure used to estimate the traffic-carrying ability of roadway facilities over a range of defined operating conditions, was performed using the 2010 Highway Capacity Manual (HCM) and 2010 Highway Capacity Software.

For a signalized intersection, Level of Service (LOS) A indicates operations with delay less than 10 seconds per vehicle, while LOS F describes operations with delay in excess of 80 seconds per vehicle.

For an unsignalized intersection, LOS A indicates operations with delay less than 10 seconds per vehicle, while LOS F describes operations with delay in excess of 50 seconds per vehicle.

Level Of Service (LOS)	Signalized Delay Range (average delay, sec/veh)	Unsignalized Delay Range (average delay in sec/yeh)
A	<=10	<=10
В	>10 and <=20	>10 and <=15
С	>20 and <=35	>15 and <=25
D	>35 and <=55	>25 and <=35
E	>55 and <=80	>35 and <=50
F	>80	>50

LEVEL OF SERVICE /AVERAGE DELAY CRITERIA*

* Sources: Highway Capacity Manual (2010 Edition) & SimTraffic Version 5.0



	ELL PROFERANCY HOME STERM PRESERVE	
Wappingers Falls, New York 12590 (845) 223-3202 ^{Poter} CEDAR HILL WELL TEST RESULTS Town of Wappinger Dutchess County, New York Dutchess County, New York Mile OVERALL LAYOUT ALB MILE 03.11.2022 BJS C132	T IS A VIOLATION OF NEW YORK STATE EDUCATION LAW FOR ANY PERSONS TO ALTER THESE PLANS, SPECIFICATIONS, OR REPORTS IN ARK WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LADO SURVEYOR, SURVEYOR SURVE	



Figure 2 - 2020 Existing Weekday AM & PM & Saturday Peak Hour Traffic Volumes Conservation Corners, Wappingers Falls, Dutchess County, NY



Site Access Road

SATURDAY PEAK HOUR

NORTH



Figure 3 - 2028 No-Build Weekday AM & PM & Saturday Peak Hour Traffic Volumes Conservation Corners, Wappingers Falls, Dutchess County, NY

TABLE 1 - TRIP GENERATION SUMMARY

Conservation Corners, Wappingers Falls, Dutchess County, NY

TOTAL SITI	220	215	215	215	215	215	CODE
E GENERATED VEHICLE TRIPS	Multifamily Housing (Low-Rise)(Average Rate)	Single-Family Attached (Average Rate)	LAND USE				
	44 units	18 units	1 units	1 units	1 units	1 units	AMOUNT
8	л	з	0	0	0	0	N A
22	13	9	0	0	0	0	M PEAK H
30	18	12	1	1	1	1	<u>WEEK</u> OUR TOTAL
21	15	6	1	1	1	1	DAY IN P
12	∞	4	0	0	0	0	M PEAK H
33	22	10	1	1	1	1	OUR TOTAL
426	297	130	7	7	7	7	ADT
ω	2						
58	00	58	9	9	9	9	DT
13	9	4	0	0	0	0	z
15	9	6	0	0	0	0	SATURD <i>E</i> PEAK HOU OUT
28	18	10	1	1	1	1	IR TOTAL

SOURCE: <u>Trip Generation Manual, 11th Edition</u>, Institute of Transportation Engineers (ITE)

Figure 4 - Weekday AM & PM & Saturday Peak Hour Trip Distribution Percentages Conservation Corners, Wappingers Falls, Dutchess County, NY



Figure 5 - Weekday AM & PM & Saturday Peak Hour Site-Generated Trips Conservation Corners, Wappingers Falls, Dutchess County, NY







KLEIN TRAFFIC CONSULTING, LLC

Conservation Corners, Wappingers Falls, Dutchess County, NY TABLE 2 - LEVEL OF SERVICE / AVERAGE VEHICLE DELAY - BUILD CONDITION

(Unsignalized)	& Site Access Road	Cedar Hill Road	Intersection				
	NB-LT	EB-LR	GROUP	LANE			
	0.00	0.03	Ratio	VIC			
	0.6	8.9	(sec)	Delay		AM PEA	
	A	A	Service	of	Levels	x	2028
	0.01	0.01	Ratio	V/C			Build C
	1.1	9.1	(sec)	Delay		PM PEA	ondition
	A	A	Service	of	Levels	×	
	0.01	0.02	Ratio	V/C		SA	
	0.8	9.0	(sec)	Delay		TURDAY I	
	A	A	Service	of	Levels	PEAK	

HCS Two-Way Stop-Control Report										
General Information		Site Information								
Analyst	LDK	Intersection	CEDAR HILL RD/SITE ROAD							
Agency/Co.	KLEIN TRAFFIC CONSULTING	Jurisdiction	WAPPINGER							
Date Performed	11/18/2024	East/West Street	SITE ROAD							
Analysis Year	2028	North/South Street	CEDAR HILL ROAD							
Time Analyzed	WEEKDAY AM PEAK HOUR	Peak Hour Factor	0.90							
Intersection Orientation	North-South	Analysis Time Period (hrs)	0.25							
Project Description	BUILD-44 THs & 18 SFHs									
Lanes										



Vehicle Volumes and Adjustments

Approach		Eastb	ound			West	ound		Northbound				Southbound			
Movement	U	L	Т	R	U	L	Т	R	U	L	Т	R	U	L	Т	R
Priority		10	11	12		7	8	9	1U	1	2	3	4U	4	5	6
Number of Lanes		0	1	0		0	0	0	0	0	1	0	0	0	1	0
Configuration			LR							LT						TR
Volume (veh/h)		8		14						3	36				60	5
Percent Heavy Vehicles (%)		0		0						0						
Proportion Time Blocked																
Percent Grade (%)		()													
Right Turn Channelized																
Median Type Storage				Undiv	vided											
Critical and Follow-up Headways																
Base Critical Headway (sec)		7.1		6.2						4.1						
Critical Headway (sec)		6.40		6.20						4.10						
Base Follow-Up Headway (sec)		3.5		3.3						2.2						
Follow-Up Headway (sec)		3.50		3.30						2.20						
Delay, Queue Length, and	Leve	of Se	ervice													
Flow Rate, v (veh/h)			24							3						
Capacity, c (veh/h)			953							1541						
v/c Ratio			0.03							0.00						
95% Queue Length, Q ₉₅ (veh)			0.1							0.0						
Control Delay (s/veh)			8.9							7.3	0.0					
Level of Service (LOS)			А							А	А					
Approach Delay (s/veh)		8	.9						0.6							
Approach LOS		A	4							A	4					

HCS Two-Way Stop-Control Report											
General Information		Site Information									
Analyst	LDK	Intersection	CEDAR HILL RD/SITE ROAD								
Agency/Co.	KLEIN TRAFFIC CONSULTING	Jurisdiction	WAPPINGER								
Date Performed	11/18/2024	East/West Street	SITE ROAD								
Analysis Year	2028	North/South Street	CEDAR HILL ROAD								
Time Analyzed	WEEKDAY PM PEAK HOUR	Peak Hour Factor	0.90								
Intersection Orientation	North-South	Analysis Time Period (hrs)	0.25								
Project Description	BUILD-44 THs & 18 SFHs										
anes											



Vehicle Volumes and Adjustments

Approach		Eastb	ound		Westbound			Northbound				Southbound				
Movement	U	L	Т	R	U	L	Т	R	U	L	Т	R	U	L	Т	R
Priority		10	11	12		7	8	9	1U	1	2	3	4U	4	5	6
Number of Lanes		0	1	0		0	0	0	0	0	1	0	0	0	1	0
Configuration			LR							LT						TR
Volume (veh/h)		6		6						10	63				63	10
Percent Heavy Vehicles (%)		0		0						0						
Proportion Time Blocked																
Percent Grade (%)		()													
Right Turn Channelized																
Median Type Storage				Undiv	/ided											
Critical and Follow-up Headways																
Base Critical Headway (sec)		7.1		6.2						4.1						
Critical Headway (sec)		6.40		6.20						4.10						
Base Follow-Up Headway (sec)		3.5		3.3						2.2						
Follow-Up Headway (sec)		3.50		3.30						2.20						
Delay, Queue Length, and	Leve	of Se	ervice													
Flow Rate, v (veh/h)			13							11						
Capacity, c (veh/h)			898							1529						
v/c Ratio			0.01							0.01						
95% Queue Length, Q ₉₅ (veh)			0.0							0.0						
Control Delay (s/veh)			9.1							7.4	0.1					
Level of Service (LOS)			А							А	А					
Approach Delay (s/veh)	9.1							1.1								
Approach LOS		A	4					А								

HCS Two-Way Stop-Control Report										
General Information		Site Information								
Analyst	LDK	Intersection	CEDAR HILL RD/SITE ROAD							
Agency/Co.	KLEIN TRAFFIC CONSULTING	Jurisdiction	WAPPINGER							
Date Performed	11/18/2024	East/West Street	SITE ROAD							
Analysis Year	2028	North/South Street	CEDAR HILL ROAD							
Time Analyzed	WEEKDAY PM PEAK HOUR	Peak Hour Factor	0.90							
Intersection Orientation	North-South	Analysis Time Period (hrs)	0.25							
Project Description	BUILD-44 THs & 18 SFHs									
anes										



Vehicle Volumes and Adjustments

Approach		Eastb	ound		Westbound			Northbound				Southbound				
Movement	U	L	Т	R	U	L	Т	R	U	L	Т	R	U	L	Т	R
Priority		10	11	12		7	8	9	1U	1	2	3	4U	4	5	6
Number of Lanes		0	1	0		0	0	0	0	0	1	0	0	0	1	0
Configuration			LR							LT						TR
Volume (veh/h)		7		7						7	63				63	7
Percent Heavy Vehicles (%)		0		0						0						
Proportion Time Blocked																
Percent Grade (%)		()													
Right Turn Channelized																
Median Type Storage				Undi	vided											
Critical and Follow-up Headways																
Base Critical Headway (sec)		7.1		6.2						4.1						
Critical Headway (sec)		6.40		6.20						4.10						
Base Follow-Up Headway (sec)		3.5		3.3						2.2						
Follow-Up Headway (sec)		3.50		3.30						2.20						
Delay, Queue Length, and	Leve	of Se	ervice													
Flow Rate, v (veh/h)			16							8						
Capacity, c (veh/h)			906							1534						
v/c Ratio			0.02							0.01						
95% Queue Length, Q ₉₅ (veh)			0.1							0.0						
Control Delay (s/veh)			9.0							7.4	0.0					
Level of Service (LOS)			А							А	А					
Approach Delay (s/veh)	9.0							0.8								
Approach LOS		ļ	4					А								

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	U.S. Customary									
	Adv	ancing Vo	olume (vel	n/h)		olume (vel	eh/h)			
Opposing Volume (veh/h)	5% Left Turns	10% Left Turns	20% Left Turns	30% Left Turns	Opposing Volume (veh/h)	5% Left Turns	10% Left Turns	20% Left Turns	30% Left Turns	
	40-mph Operating Speed									
800	330	240	180	160	800	330	240	180	160	
600	410	305	225	200	600	410	305	225	200	
400	510	380	275	245	400	510	380	275	245	
200	640	470	350	305	200	640	470	350	305	
100	720	515	390	340	100	720	515	390	340	
	50-mph Operating Speed									
800	280	210	165	135	800	280	210	165	135	
600	350	260	195	170	600	350	260	195	170	
400	430	320	240	210	400	430	320	240	210	
200	550	400	300	270	200	550	400	300	270	
100	615	445	335	295	100	615	445	335	295	
1	.00-km/h	Operating	Speed		60-mph Operating Speed					
800	230	170	125	115	800	230	170	125	115	
600	290	210	160	140	600	290	210	160	140	
400	365	270	200	175	400	365	270	200	175	
200	450	330	250	215	200	450	330	250	215	
100	505	370	275	240	100	505	370	275	240	

Table 9-23. Guide for Left-Turn Lanes on Two-Lane Highways (10)

Additional information on left-turn lanes, including their suggested lengths, can be found in *Highway* Research Record 211, NCHRP Report 225, and NCHRP Report 279 (10, 19, 17). In the case of double leftturn lanes, a capacity analysis of the intersection should be performed to determine what traffic controls are needed in order for it to function properly.

Local conditions and the cost of right-of-way often influence the type of intersection selected as well as many of the design details. Limited sight distance, for example, may make it desirable to control traffic by yield signs, stop signs, or traffic signals when the traffic densities are less than those ordinarily considered appropriate for such control. The alignment and grade of the intersecting roads and the angle of intersection may make it advisable to channelize or use auxiliary pavement areas, regardless of the traffic densities. In general, traffic service, highway design designation, physical conditions, and cost of right-of-way are considered jointly in choosing the type of intersection.

For the general benefit of through-traffic movements, the number of crossroads, intersecting roads, or intersecting streets should be minimized. Where intersections are closely spaced on a two-way facility, it is seldom practical to provide signals for completely coordinated traffic movements at reasonable speeds in opposing directions on that facility. At the same time, the resultant road or street patterns should permit travel on roadways other than the predominant highway without too much inconvenience. Traffic analysis

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