SEQRA NOTICE OF INTENT TO ESTABLISH LEAD AGENCY

To: All Involved Agencies (see list below) Date: November 17, 2021

This notice is issued pursuant to 6 NYCRR 617.6 of the implementing regulations pertaining to Article 8 (State Environmental Quality Review Act) of the Environmental Conservation Law.

PLEASE TAKE NOTICE that the Planning Commission of the Village of Colonie intends that it shall be the lead agency for all environmental review of the proposed action described below pursuant to Article 8 (State Environmental Quality Review Act) of the Environmental Conservation Law. In the event no other involved agency indicates a desire to be lead agency within thirty days of this notice, the Town Board of the Town of Brunswick will confirm its status as lead agency.

NAME OF ACTION:	29 Vly Roa	ad Subdivision
SEQRA STATUS:	Type 1 Unlisted:	X

DESCRIPTION OF ACTION:

The proposed project is a residential subdivision with 24 building lots on 14.41+/- acres. A proposed public road will wind through the property and be dedicated to the Village of Colonie. Infrastructure development for the site will consist of approximately 2,100 feet of roadway, together with any necessary utility easements. The roadway right-of-way will contain extensions for public water and sewer, and also electric, gas, telephone and cable improvements as available. Stormwater will be directed into a collection system and discharged to a stormwater management area(s).

ADDITIONAL DOCUMENTS:

- 1. Environmental Assessment Form
- 2. Map
- 3. Engineering Report

REASONS SUPPORTING THIS DETERMINATION:

(i) The anticipated impacts of the project are primarily of local significance.

SEQRA NOTICE OF INTENT TO ESTABLISH LEAD AGENCY Page 2

FOR FURTHER INFORMATION:

CONTACT PERSON: Ronald J. Laberge, P.E. Village Engineer

ADDRESS: Laberge Group

4 Computer drive West Albany, New York 12205

TELEPHONE NUMBER: (518) 458-7112

Copies of this Notice Sent to:

Village of Colonie Village Board, Atten: Hon. Thomas Tobin, Mayor;

Town of Colonie Department Planning and Economic Development;

Albany County Health Department;

New York State Department of Transportation;

New York Office of Parks, Recreation and Historic Preservation;

New York State Department of Environmental Conservation

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:			
Proposed Subdivision of 29 Vly Road			
Project Location (describe, and attach a general location map):			
29 Vly Road			
Briaf Description of Proposed Action (included)			
Brief Description of Proposed Action (include purpose or need):			
Applicant is proposing to subdivide the existing parcel into 19 single family homes and 5 downtown water, sanitary sewer and other utilities that will provide services to the new homes. New roa and Hillside Avenue.	plexes along with the construction o adways will be constructed that will e	f the required municipal xtend Christopher Court	
Name of Applicant/Sponsor:	Telephone: 518 869 5587		
Rosetti Acquisitions			
Address	E-Mail: matthew@rosetticompanies.com		
Address: 427 New Karner Road			
City/PO: Albany	State: NY	Zip Code: 12205	
Project Contact (if not same as sponsor; give name and title/role):		12203	
Nicholas Costa - Advance Engineering & Surveying, PLLC	Telephone: 518 698 3772		
	E-Mail: ncostape@gmail.com		
Address:		***************************************	
11 Herbert Drive			
City/PO:	State:	Zip Code:	
Latham	NY	12110	
Property Owner (if not same as sponsor):	Telephone:		
	E-Mail:		
Address:			
		:	
City/PO:	State:	Zip Code:	
		···	

B. Government Approvals

B. Government Approvals, Funding, or Sponsorship. ("Funding" includes grants, loans, tax relief, and any other forms of financial assistance.)				
Government Entity	If Yes: Identify Agency and Approval(s) Required	Applicati (Actual or		
a. City Counsel, Town Board, ☐Yes☑No or Village Board of Trustees				
b. City, Town or Village ☑Yes□No Planning Board or Commission	Planning Commission - Major Subdivision & Special Use Permit	December 2020		
c. City, Town or ☐Yes☑No Village Zoning Board of Appeals				
d. Other local agencies ☐Yes☑No				
e. County agencies ☑Yes□No	Albany County Department of Health Realty Subdivision & Water and Sanitary Sewer Approval	January 2022		
f. Regional agencies □Yes☑No				
g. State agencies ✓Yes□No	NYSDEC - Notice of Intent for Stormwater Discharge from Construction Activities	January 2022		
h. Federal agencies ☐Yes☑No				
i. Coastal Resources.i. Is the project site within a Coastal Area, c	or the waterfront area of a Designated Inland W	aterway?	□Yes ☑ No	
ii. Is the project site located in a communityiii. Is the project site within a Coastal Erosion	with an approved Local Waterfront Revitalizate Hazard Area?	tion Program?	☐ Yes ☑ No ☐ Yes ☑ No	
C. Planning and Zoning				
C.1. Planning and zoning actions.		***************************************		
Will administrative or legislative adoption, or an only approval(s) which must be granted to enable. If Yes, complete sections C, F and G. If No, proceed to question C.2 and complete sections C.2.	mendment of a plan, local law, ordinance, rule ole the proposed action to proceed? nplete all remaining sections and questions in I	•	□Yes ☑ No	
C.2. Adopted land use plans.				
a. Do any municipally- adopted (city, town, vil where the proposed action would be located?) include the site	☑ Yes□No	
If Yes, does the comprehensive plan include spewould be located?		proposed action	Z Yes□No	
b. Is the site of the proposed action within any I Brownfield Opportunity Area (BOA); design or other?) If Yes, identify the plan(s): NYS Heritage Areas:Mohawk Valley Heritage Corridor	ocal or regional special planning district (for e lated State or Federal heritage area; watershed		☑ Yes□No	
c. Is the proposed action located wholly or part or an adopted municipal farmland protection If Yes, identify the plan(s):		ipal open space plan,	□Yes ☑No	

C.3. Zoning	
a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance. If Yes, what is the zoning classification(s) including any applicable overlay district? Residential A District	☑ Yes□No
b. Is the use permitted or allowed by a special or conditional use permit?	ראייייייייייייייייייייייייייייייייייייי
c. Is a zoning change requested as part of the proposed action?	✓ Yes No
If Yes,	☐ Yes Z No
i. What is the proposed new zoning for the site?	
C.4. Existing community services.	
a. In what school district is the project site located? South Colonie School District	
b. What police or other public protection forces serve the project site?	
Colonie Police Department: Albany County Sheriff: NY State Police	
c. Which fire protection and emergency medical services serve the project site? Village of Colonie Fire Department	
d. What parks serve the project site? Cook Park	
D. Project Details	
D.1. Proposed and Potential Development	
 a. What is the general nature of the proposed action (e.g., residential, industrial, commercial, recreational; if mixed components)? Residential 	d, include all
b. a. Total acreage of the site of the proposed action? b. Total acreage to be physically disturbed? 11+/- acres 8.8+/- acres	
b. Total acreage to be physically disturbed? c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 11+/- acres	
c. Is the proposed action an expansion of an existing project or use?	☐ Yes Z No
i. If Yes, what is the approximate percentage of the proposed expansion and identify the units (e.g., acres, mile square feet)? % Units:	s, housing units,
d. Is the proposed action a subdivision, or does it include a subdivision? If Yes,	Z Yes □No
i. Purpose or type of subdivision? (e.g., residential, industrial, commercial; if mixed, specify types) Residential	
ii. Is a cluster/conservation layout proposed?iii. Number of lots proposed? 24	☐Yes ☑ No
iv. Minimum and maximum proposed lot sizes? Minimum 10,745+/- Maximum 58,987+/-	
e. Will the proposed action be constructed in multiple phases? i. If No, anticipated period of construction: ii. If Yes: 36 months	☐ Yes ☑ No
 Total number of phases anticipated 	
Anticipated commencement date of phase I (including demolition) month year	
 Anticipated completion date of final phase Generally describe connections or relationships among phases, including any contingencies where progred determine timing or duration of future phases: 	ess of one phase may

f Does the projec	t include new reside	ential uses?			Z Yes∏No
	t include new reside bers of units propos				MT 1 €2 140
1 00, 5110 W HUIII	One Family	Two Family	Three Family	Multiple Family (four or more)	
Initial Phase	19	5	0	0	
At completion			Additional Parties and a gap to the parties and a second s		
of all phases	19	5	0		
g. Does the propo	sed action include r	new non-residentia	I construction (inclu	ding expansions)?	☐Yes Z No
If Yes,			`	,	
i. Total number	of structures		ţ • ı.		
iii Approximate	m reet) of largest preextent of building s	oposed structure:	neignt;	width; andlengthsquare feet	
				result in the impoundment of any	☐Yes Z No
				goon or other storage?	□ I c2 ₩ IAO
If Yes,		,	r ,	.g	
i. Purpose of the	impoundment:	-11			
ii. II a water impo	oundment, the princ	cipal source of the	water:	Ground water Surface water stream	ns Uther specify:
iii. If other than w	ater, identify the ty	pe of impounded/o	contained liquids and	I their source.	o Hamel der die der der der der der der der der der de
iv. Approximate:	size of the proposed	d impoundment.	Volume:	million gallons; surface area:	acres
v. Dimensions of	f the proposed dam	or impounding str	ucture:	_ height; length	
vi. Construction i	method/materials for	or the proposed da	m or impounding str	ructure (e.g., earth fill, rock, wood, conc	rete):
			THE REPORT OF THE PARTY OF THE		
D.2. Project Ope	erations				
a. Does the propo	sed action include a	any excavation, mi	ning, or dredging, du	uring construction, operations, or both?	☐ Yes 7 No
(Not including	general site prepara			or foundations where all excavated	
materials will re If Yes:	emain onsite)				
	rpose of the excava	ition or dredging?			
ii. How much man	terial (including roc	k, earth, sediments	s, etc.) is proposed to	be removed from the site?	The second secon
 Volume 	(specify tons or cub	oic yards):			
				ged, and plans to use, manage or dispose	
iii, Describe natur	e and characteristic	es of materials to b	e excavated or dredg	ged, and plans to use, manage or dispose	of them.
33/711 .1					
iv. Will there be If yes, describ	onsite dewatering one.	or processing of ex	cavated materials?		☐Yes ☐No
	tal area to be dredge			acres	-
	aximum area to be		time?	acres	
			or dredging?	feet	Myor My-
	vation require blast				∐Yes No
			The state of the s		
				crease in size of, or encroachment	☐Yes ☑ No
into any existr If Yes:	ng wetiand, waterbo	oay, snoreline, bea	ch or adjacent area?		
	etland or waterbod	y which would be	affected (by name, v	vater index number, wetland map numbe	er or geographic

ii. Describe how the proposed action would affect that waterbody or wetland, e.g. excavation, fill, placemalteration of channels, banks and shorelines. Indicate extent of activities, alterations and additions in squared activities.	lent of structures, or luare feet or acres:
iii. Will the proposed action cause or result in disturbance to bottom sediments?	
	□Yes □No
iv. Will the proposed action cause or result in the destruction or removal of aquatic vegetation?	☐Yes☐No
If Yes:	
acres of aquatic vegetation proposed to be removed:	
• expected acreage of aquatic vegetation remaining after project completion.	
purpose of proposed removal (e.g. beach clearing, invasive species control, boat access):	enterprise de manuel en santante de la proposition della proposition de la proposition della propositi
proposed method of plant removal:	All the Property and the contract of the Contr
if chemical/herbicide treatment will be used, specify product(s): Describe any proposed reglamation/mitigation following disturbances: I have been described by the proposed reglamation of the	
v. Describe any proposed reclamation/mitigation following disturbance:	
	The state of the s
Will the proposed action use, or create a new demand for water?	☑ Yes □No
Yes:	№ 1 e2 □140
i. Total anticipated water usage/demand per day: 7,700 gallons/day	
i. Will the proposed action obtain water from an existing public water supply?	Z Yes □No
Yes:	
Name of district or service area: Village of Colonie Water District	
Does the existing public water supply have capacity to serve the proposal?	✓ Yes No
• Is the project site in the existing district?	✓ Yes No
• Is expansion of the district needed?	☐ Yes 🗹 No
• Do existing lines serve the project site?	✓ Yes □ No
i. Will line extension within an existing district be necessary to supply the project? Yes:	☑ Yes □ No
- resident of capacity expansions proposed to serve into project.	
Existing water mains located within Chris Place and Hillside Avenue will be extended along the new streets that	t will serve the new homes
Source(s) of supply for the district: Town of Colonie y. Is a new water supply district or service area proposed to be formed to serve the project site?	
Yes:	☐ Yes ☑ No
A william of the control of the cont	
Date application submitted or anticipated: Proposed source(s) of supply for new district:	
P. If a public water supply will not be used, describe plans to provide water supply for the project:	
. 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?	✓ Yes □No
Yes:	E 103 100
Total anticipated liquid waste generation per day: 7,700 gallons/day	
. Nature of liquid wastes to be generated (e.g., sanitary wastewater, industrial: if combination, describe all	l components and
approximate volumes or proportions of each):	
Sanitary Wastewater	nanjarandanjanjaranjarijarijarijarijarijarijarijarijarijari
Will the proposed action use any existing public wastewater treatment facilities?	
If Yes:	☑ Yes □No
Name of wastewater treatment plant to be used: North Albany Wastewater Treatment Plant	
Name of district: Village of Colonie Sanitary Sewer District	Ann 1
 Does the existing wastewater treatment plant have capacity to serve the project? 	∠ Yes N o
• Is the project site in the existing district?	Z Yes □No
Is expansion of the district needed?	☐ Yes Z No

Do existing sewer lines serve the project site?	☑ Yes □No
Will a line extension within an existing district be necessary to serve the project?	Z Yes □No
If Yes:	
Describe extensions or capacity expansions proposed to serve this project:	
The existing sanitary sewer gravity main located at Hillside will be extended to the project site and extended along the new	v streets that will serve
the new homes	
iv. Will a new wastewater (sewage) treatment district be formed to serve the project site? If Yes:	□Yes☑No
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 spec receiving water (name and classification if surface discharge or describe subsurface disposal plans):	ifying proposed
vi. Describe any plans or designs to capture, recycle or reuse liquid waste:	ANONES AND THE STATE OF THE STA
e. Will the proposed action disturb more than one acre and create stormwater runoff, either from new point	Z Yes □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. How much impervious surface will the project create in relation to total size of project parcel?	
Square feet or 2.3+/- acres (impervious surface) Square feet or 11+/- acres (parcel size)	
ii. Describe types of new point sources. The newly constructed roadways and homes will add impervious areas that will runot	if to the closed
drainage system that will convey the flows to the on-site infiltration basin	TO CONTROL OF THE PROPERTY OF
iii. Where will the stormwater runoff be directed (i.e. on-site stormwater management facility/structures, adjacent p groundwater, on-site surface water or off-site surface waters)?	roperties,
On-site stormwater management system	
If to surface waters, identify receiving water bodies or wetlands:	
Will stormwater runoff flow to adjacent properties?	☐ Yes No
iv. Does the proposed plan minimize impervious surfaces, use pervious materials or collect 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	☐Yes ☑No
combustion, waste incineration, or other processes or operations?	☐ Les M Ivo
If Yes, identify:	
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)	
iii. Stationary sources during operations (e.g., process emissions, large boilers, electric generation)	
g. Will any air emission sources named in D.2.f (above), require a NY State Air Registration, Air Facility Permit,	☐Yes Z No
or Federal Clean Air Act Title IV or Title V Permit?	1 00 2110
If Yes:	
i. Is the project site located in an Air quality non-attainment area? (Area routinely or periodically fails to meet	□Yes □No
ambient air quality standards for all or some parts of the year)	
ii. In addition to emissions as calculated in the application, the project will generate:	
•Tons/year (short tons) of Carbon Dioxide (CO ₂)	
•Tons/year (short tons) of Nitrous Oxide (N ₂ O)	
•Tons/year (short tons) of Perfluorocarbons (PFCs)	
•Tons/year (short tons) of Sulfur Hexafluoride (SF ₆)	
Tons/year (short tons) of Carbon Dioxide equivalent of Hydroflourocarbons (HFCs)	
 Tons/year (short tons) of Hazardous Air Pollutants (HAPs) 	

h. Will the proposed action generate or emit methane (including, but not limited to, sewage treatment plants, landfills, composting facilities)? If Yes: i. Estimate methane generation in tons/year (metric):	∐Yes √ No
 Describe any methane capture, control or elimination measures included in project design (e.g., combustion to go electricity, flaring): 	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. When is the peak traffic expected (Check all that apply):	□Yes ☑ No
 iii. Parking spaces: Existing Proposed Net increase/decrease	I IVECI IIVA
viii. Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes?	∐Yes∏No
 k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand for energy? If Yes: i. Estimate annual electricity demand during operation of the proposed action: ii. Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/lo other): 	□Yes☑No cal utility, or
iii. Will the proposed action require a new, or an upgrade, to an existing substation?	□Yes□No
I. Hours of operation. Answer all items which apply.i. During Construction:ii. During Operations:• Monday - Friday:7am to 6 pm• Monday - Friday:24 hrs. daily• Saturday:8am to 4 pm• Saturday:24 hrs. daily• Sunday:none• Sunday:24 hrs. daily• Holidays:none• Holidays:24 hrs. daily	

Will the proposed action remove existing natural barriers that could act as a noise barrier or screen? Yes No	m. Will the proposed action produce noise that will exceed existing ambient noise levels during construction, operation, or both? If yes:	□ Yes ☑ No
Describe:	i. Provide details including sources, time of day and duration:	
If yes: 1. Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures: 1. House lighting fixture will be installed at each lot (approx. 10 feet in height) 1. Will proposed action remove existing natural barriers that could act as a light barrier or screen? Describe: Wooded areas will be removed to allow the construction of the proposed residential homes 1. Does the proposed action have the potential to produce odors for more than one hour per day? If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures: 1. Power of the proposed action include any bulk storage of petroleum (combined capacity of over 1,100 gallons) or chemical products 185 gallons in above ground storage or any amount in underground storage? 1. Yes: 1. Product(s) to be stored 1. Volume(s) per unit time (e.g., month, year) 1. Generally, describe the proposed storage facilities: 1. Q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation? 1. Yes: 1. Poescribe proposed action use Integrated Pest Management Practices? 1. Vestil the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)? 1. Poescribe any solid waste(s) to be generated during construction or operation of the facility: 1. Describe any solid waste(s) to be generated during construction or operation of time) 1. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste: 2. Construction: 3. Operation: 4. Operation: 4. Operation:	ii. Will the proposed action remove existing natural barriers that could act as a noise barrier or screen? Describe:	□Yes□No
If yes: 1. Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures: 1. House lighting fixture will be installed at each lot (approx. 10 feet in height) 1. Will proposed action remove existing natural barriers that could act as a light barrier or screen? Describe: Wooded areas will be removed to allow the construction of the proposed residential homes 1. Does the proposed action have the potential to produce odors for more than one hour per day? If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures: 1. Power of the proposed action include any bulk storage of petroleum (combined capacity of over 1,100 gallons) or chemical products 185 gallons in above ground storage or any amount in underground storage? 1. Yes: 1. Product(s) to be stored 1. Volume(s) per unit time (e.g., month, year) 1. Generally, describe the proposed storage facilities: 1. Q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation? 1. Yes: 1. Poescribe proposed action use Integrated Pest Management Practices? 1. Vestil the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)? 1. Poescribe any solid waste(s) to be generated during construction or operation of the facility: 1. Describe any solid waste(s) to be generated during construction or operation of time) 1. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste: 2. Construction: 3. Operation: 4. Operation: 4. Operation:	n. Will the proposed action have outdoor lighting?	Ø Yes □ No
Describe: Wooded areas will be removed to allow the construction of the proposed residential homes O	If yes: i. Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures:	
If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures: Possible Product	ii. Will proposed action remove existing natural barriers that could act as a light barrier or screen? Describe: Wooded areas will be removed to allow the construction of the proposed residential homes	☑Yes□No
or chemical products 185 gallons in above ground storage or any amount in underground storage? If Yes: i. Product(s) to be stored ii. Volume(s) per unit time (e.g., month, year) iii. Generally, describe the proposed storage facilities: q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation? If Yes: i. Describe proposed action use Integrated Pest Management Practices? ii. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)? If Yes: i. Describe any solid waste(s) to be generated during construction or operation of the facility: • Construction: (unit of time) • Operation: iii. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste: • Construction: • Operation: iii. Proposed disposal methods/facilities for solid waste generated on-site:		∏Yes Ø No
q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation? If Yes: i. Describe proposed treatment(s): ii. 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 of solid waste (excluding hazardous materials)? If Yes: i. Describe any solid waste(s) to be generated during construction or operation of the facility: • Construction: • Operation: iii. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste: • Construction: • Operation: iii. Proposed disposal methods/facilities for solid waste generated on-site:	If Yes: i. Product(s) to be stored ii. Volume(s) per unit time (e.g., month, year)	☐ Yes Ø No
insecticides) during construction or operation? If Yes: i. Describe proposed treatment(s): ii. Will the proposed action use Integrated Pest Management Practices? If Yes In Y	iii. Generally, describe the proposed storage facilities:	
r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)? If Yes: i. Describe any solid waste(s) to be generated during construction or operation of the facility: • Construction:	insecticides) during construction or operation? If Yes:	☐ Yes ☑No
r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)? If Yes: i. Describe any solid waste(s) to be generated during construction or operation of the facility: • Construction:		
r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)? If Yes: i. Describe any solid waste(s) to be generated during construction or operation of the facility: • Construction:		
 Construction: tons per (unit of time) Operation: tons per (unit of time) ii. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste: Construction: Operation: 	r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal	
Operation: iii. Proposed disposal methods/facilities for solid waste generated on-site:	 Construction: tons per (unit of time) Operation: tons per (unit of time) ii. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste 	
iii. Proposed disposal methods/facilities for solid waste generated on-site:		
	iii. Proposed disposal methods/facilities for solid waste generated on-site:	
Operation:	• Operation:	

s. Does the proposed action include construction or mod If Yes:		-	Yes 🗸 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):			
ii. Anticipated rate of disposal/processing:			
• Tons/month, if transfer or other non-	combustion/thermal treatme	ent, or	
• Tons/hour, if combustion or thermal	treatment		
iii. If landfill, anticipated site life:	years	-	
t. Will the proposed action at the site involve the comme waste?	ercial generation, treatment,	storage, or disposal of hazar	dous 🗌 Yes 🗸 No
If Yes: i. Name(s) of all hazardous wastes or constituents to b	e generated, handled or man	aged at facility:	
ii. Generally describe processes or activities involving	hazardous wastes or constitu	ients:	
iii. Specify amount to be handled or generatedt	ons/month		
iv. Describe any proposals for on-site minimization, rec	cycling or reuse of hazardou	s constituents:	
v. Will any hazardous wastes be disposed at an existing If Yes: provide name and location of facility:	g offsite hazardous waste fac	sility?	□Yes□No
If No: describe proposed management of any hazardous			
E. Site and Setting of Proposed Action			
E.1. Land uses on and surrounding the project site			
a. Existing land uses.			
i. Check all uses that occur on, adjoining and near the	project site.		
Urban Industrial Commercial Resid	lential (suburban) Rur	al (non-farm)	
☐ Forest ☐ Agriculture ☐ Aquatic ii. If mix of uses, generally describe: ☐ Other	(specify): Educational-Elemei	ntary School; Religious- Church	
b. Land uses and covertypes on the project site.			
Land use or	Current	Acreage After	
Covertype	Acreage	Project Completion	Change (Acres +/-)
Roads, buildings, and other paved or impervious surfaces	0	2.3	+2.3
• Forested	11.325	2.525	-8.8
Meadows, grasslands or brushlands (non- agricultural, including abandoned agricultural)	0	6.5	+6.5
Agricultural (includes active orchards, field, greenhouse etc.)	0	0	0
Surface water features			_
(lakes, ponds, streams, rivers, etc.)	0	0	0
Wetlands (freshwater or tidal)	0	0	0
Non-vegetated (bare rock, earth or fill)	0	0	0
• Other			
Describe:	0	0	0

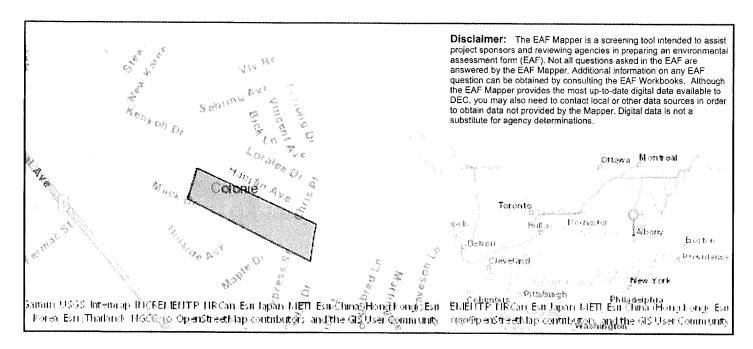
c. Is the project site presently used by members of the community for public recreation? i. If Yes: explain:	□Yes☑No
d. Are there any facilities serving children, the elderly, people with disabilities (e.g., schools, hospitals, licensed day care centers, or group homes) within 1500 feet of the project site? If Yes,	☑Yes No
i. Identify Facilities:	
The South Colonie School District does operate an elementary school adjacent to the project site	
e. Does the project site contain an existing dam? If Yes:	☐Yes Z No
i. Dimensions of the dam and impoundment:Dam height: feet	
Dam height: feetDam 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,	TVoo ZINO
or does the project site adjoin property which is now, or was at one time, used as a solid waste management facility. If Yes:	☐Yes ☑ No ity?
i. Has the facility been formally closed?	☐ Yes☐ No
If yes, cite sources/documentation:	or Park of the Park of the Park of the state
ii. Describe the location of the project site relative to the boundaries of the solid waste management facility:	
iii. Describe any development constraints due to the prior solid waste activities:	
g. Have hazardous wastes been generated, treated and/or disposed of at the site, or does the project site adjoin property which is now or was at one time used to commercially treat, store and/or dispose of hazardous waste? If Yes:	□Yes ☑ No
i. Describe waste(s) handled and waste management activities, including approximate time when activities occurred	ed:
h. Potential contamination history. Has there been a reported spill at the proposed project site, or have any remedial actions been conducted at or adjacent to the proposed site? If Yes:	□Yes ☑ No
i. Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site Remediation database? Check all that apply:	☐ Yes ☐ No
 ☐ Yes – Spills Incidents database ☐ Yes – Environmental Site Remediation database ☐ Neither database Provide DEC ID number(s): Provide DEC ID number(s):	
ii. If site has been subject of RCRA corrective activities, describe control measures:	
	The second of the second of the second of
iii. Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database? If yes, provide DEC ID number(s):	□Yes☑No
iv. If yes to (i), (ii) or (iii) above, describe current status of site(s):	

v. Is the project site subject to an institutional control limiting property uses?	☐ Yes Z No
 If yes, DEC site ID number: Describe the type of institutional control (e.g., deed restriction or easement): 	PROPERTY OF CONTRACT AND ADDRESS OF THE STATE OF THE STAT
 Describe any use limitations: Describe any engineering controls: 	
Will the project affect the institutional or engineering controls in place? Explain:	□Yes□No
	TO THE PARTY OF TH
E.2. Natural Resources On or Near Project Site	
a. What is the average depth to bedrock on the project site? over 10 feet feet	
b. Are there bedrock outcroppings on the project site? If Yes, what proportion of the site is comprised of bedrock outcroppings?	☐ Yes Z No
c. Predominant soil type(s) present on project site: Loamy Fine Sand 100 %	
)
d. What is the average depth to the water table on the project site? Average: over 6.5+ feet	
e. Drainage status of project site soils: Well Drained: 100 % of site	
☐ Moderately Well Drained: % of site ☐ Poorly Drained % of site	
f. Approximate proportion of proposed action site with slopes: O-10%: 10-15%: 40.5 % of site 15% or greater: % of site	
g. Are there any unique geologic features on the project site?	☐ Yes Z No
If Yes, describe:	
h. Surface water features.	
i. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)?	☐Yes Z No
ii. Do any wetlands or other waterbodies adjoin the project site? If Yes to either i or ii, continue. If No, skip to E.2.i.	□Yes☑No
iii. Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal.	☐Yes Z No
state or local agency? iv. For each identified regulated wetland and waterbody on the project site, provide the following information:	200
• Streams: Name Classification	
Lakes or Ponds: Name Classification	
• Wetland No. (if regulated by DEC)	
v. Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies?	☐Yes Z No
If yes, name of impaired water body/bodies and basis for listing as impaired:	
i. Is the project site in a designated Floodway?	☐Yes Ø No
j. Is the project site in the 100-year Floodplain?	□Yes Z No
k. Is the project site in the 500-year Floodplain?	☐Yes Z No
1. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer? If Yes:	☑ Yes □No
i. Name of aquifer: Principal Aquifer, Sole Source Aquifer Names:Schenectady-Niskayuna SSA	

m. Identify the predominant wildlife species that occupy or use the project site: squirrels, mice, birds, rabbit, fox, deer	
opossum, turkey, chipmunk, skunks,	M-10-20-10-20-20-20-20-20-20-20-20-20-20-20-20-20
racoon	Waterman of the Property and Comment of the second of the
n. Does the project site contain a designated significant natural community? If Yes: i. Describe the habitat/community (composition, function, and basis for designation):	□Yes ☑ No
ii. Source(s) of description or evaluation:	AND AND A STATE OF THE STATE OF
iii. Extent of community/habitat:	Version factor and property and control against the control agains
Currently: acres	
Following completion of project as proposed: acres	
• Gain or loss (indicate + or -): acres	
o. Does project site contain any species of plant or animal that is listed by the federal government or NYS as endangered or threatened, or does it contain any areas identified as habitat for an endangered or threatened sp	☑ Yes□No ecies?
If Yes: i. Species and listing (endangered or threatened):	
Karner Blue	THE PROPERTY OF THE PROPERTY O

p. Does the project site contain any species of plant or animal that is listed by NYS as rare, or as a species of special concern?	□Yes☑No
If Yes:	
i Species and listing:	
9940-M0004-RC(0003-0-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	
q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing?	☐Yes Z No
If yes, give a brief description of how the proposed action may affect that use:	
	Middled and communicate and communicate to accommunicate to accommunicate to the first of the Communicate Communic
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	□Yes ☑ No
Agriculture and Markets Law, Article 25-AA, Section 303 and 304?	T I es MINO
If Yes, provide county plus district name/number:	
b. Are agricultural lands consisting of highly productive soils present?	□Yes ☑ No
i. If Yes: acreage(s) on project site?	
ii. Source(s) of soil rating(s):	
c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National	□Yes Z No
Natural Landmark?	
If Yes:	
i. Nature of the natural landmark: Biological Community Geological Feature	
ii. Provide brief description of landmark, including values behind designation and approximate size/extent:	
	rhaman digital
	OF THE PROPERTY OF THE PROPERT
d. Is the project site located in or does it adjoin a state listed Critical Environmental Area?	□Yes☑No
If Yes:	
i. CEA name:	
ii. Basis for designation:	
iii. Designating agency and date:	

e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commis Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic If Yes: i. Nature of historic/archaeological resource: Archaeological Site Historic Building or District ii. Name: iii. Brief description of attributes on which listing is based:	☐ Yes☑ No sioner of the NYS Places?
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?	Ø Yes □ No
g. Have additional archaeological or historic site(s) or resources been identified on the project site? If Yes: i. Describe possible resource(s): ii. Basis for identification:	∐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. Identify resource: 	∏Yes ⊠ No
 i. Identify resource: ii. Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail etc.): iii. Distance between project and resource: miles. 	or scenic byway,
iii. 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: 	☐ Yes Z No
ii. Is the activity consistent with development restrictions contained in 6NYCRR Part 666?	☐Yes ☐No
F. Additional Information Attach any additional information which may be needed to clarify your project. If you have identified any adverse impacts which could be associated with your proposal, please describe those measures which you propose to avoid or minimize them.	impacts plus any
G. Verification I certify that the information provided is true to the best of my knowledge. Applicant/Sponsor Name Rosetti Acquisitions Date 10.30.21 Signature Title	GNT



B.i.i [Coastal or Waterfront A	krea]	No	
B.i.ii [Local Waterfront Revita	alization Area]	No	
C.2.b. [Special Planning Dis	trict]	Yes - Digital mapping data are not available for all Special Planning Districts. Refer to EAF Workbook.	
C.2.b. [Special Planning Dis	trict - Name]	NYS Heritage Areas:Mohawk Valley Heritage Corridor	
E.1.h [DEC Spills or Remedi Potential Contamination Hist		Digital mapping data are not available or are incomplete. Refer to EAF Workbook.	
E.1.h.i [DEC Spills or Remed Listed]	diation Site -	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.	
E.1.h.i [DEC Spills or Remedent Environmental Site Remedia		Digital mapping data are not available or are incomplete. Refer to EAF Workbook.	
E.1.h.iii [Within 2,000' of DE Site]	C Remediation	No	
E.2.g [Unique Geologic Feat	rures]	No	
E.2.h.i [Surface Water Featu	ıres]	No	
E.2.h.ii [Surface Water Feat	ures]	No	
E.2.h.iii [Surface Water Feat	ures]	No	
E.2.h.v [Impaired Water Bod	ies]	No	
E.2.i. [Floodway]		No	
E.2.j. [100 Year Floodplain]		No	
E.2.k. [500 Year Floodplain]		No	
E.2.l. [Aquifers]		Yes	
E.2.I. [Aquifer Names]		Principal Aquifer, Sole Source Aquifer Names:Schenectady-Niskayuna SSA	
E.2.n. [Natural Communities]	No	
E.2.o. [Endangered or Threa	itened Species]	Yes	

Name]	Namer Dide
E.2.p. [Rare Plants or Animals]	No
E.3.a. [Agricultural District]	No
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]	Yes
E.3.i. [Designated River Corridor]	No

VILLAGE OF COLONIE PLANNING COMMISSION REGULAR MEETING

NOVEMBER 9, 2021

RESOLUTION DIRECTING COORDINATED ENVIRONMENTAL REVIEW PURSUANT TO STATE ENVIRONMENTAL QUALITY REVIEW ACT REGARDING PROPOSED SUBDIVISION OF 29 VLY ROAD

WHEREAS, an application for subdivision has been filed with the Village of Colonie Planning Commission by Rosetti Acquisitions seeking approval for subdividing a 14.21+/- acre parcel into 24 lots, 19 of which are proposed to be single family and 5 proposed to be duplex lots. The parcel is generally located between Hannifin Drive and Hillside Avenue in the Village; and

WHEREAS, in connection with the application, the applicant has filed a Short Environmental Assessment Form pursuant to the State Environmental Quality Review Act ("SEQRA") and its implementing regulations at 6 NYCRR Part 617; and

WHEREAS, the Planning Commission of the Village of Colonie has determined to undertake a coordinated environmental impact review pursuant to 6 NYCRR Section 617.6(b)(3); and

WHEREAS, the Planning Commission seeks to coordinate lead agency designation pursuant to 6 NYCSRR Section 617.6(b)(3); and

WHEREAS, the Planning Commission seeks to be designated as lead agency on the application as the potential environmental impacts are primarily of local concern;

NOW, THEREFORE, BE IT RESOLVED by the Planning Commission of the Village of Colonie in regular session duly convened as follows:

1. Pursuant to SEQRA and its implementing regulations at 6 NYCRR Part 617, the Village of Colonie Planning Commission does hereby direct that coordination of lead agency designation with all involved agencies on the 29 Vly Road application be completed through the service of a notice of intent to establish lead agency, indicating that the Planning Commissions seeks to be designated as lead agency for this action.

The foregoing Resolution, offered by and seconded by	The	foregoing	Resolution,	offered	by		and	seconded	by
--	-----	-----------	-------------	---------	----	--	-----	----------	----

, was duly put to a	roll call vote as follows:
COMMISSIONER CHUDZINSKI	VOTING
COMMISSIONER JUDGE	VOTING
COMMISSIONER MARTIN	VOTING
COMMISSIONER HART	VOTING
COMMISSIONER SPLONSKOWSKI	VOTING
COMMISSIONER KEEGAN	VOTING
COMMISSIONER DENNIS, CHAIRMAN	VOTING
The foregoing Resolution was/was not the	ereupon declared duly adopted
November 2021	

Engineering Report For Water Main System and Sanitary Sewer System

Proposed Residential Subdivision at 29 Vly Road

Village of Colonie, New York

December 2019

Owner/Developer:

Rosetti Acquisitions

427 New Karner Road Albany, NY 12205

Prepared by:

Advance Engineering & Surveying PLLC

11 Herbert Drive

Latham, New York 12110

518-698-3772

Unauthorized alteration or addition to this document is a violation of section 7209 Subdivision 2 of the New York State Education Law.

© Copyright 2019
Advance Engineering & Surveying PLLC
ALL RIGHTS RESERVED.
UNAUTHORIZED DUPLICATION IS A
VIOLATION OF APPLICABLE LAWS.

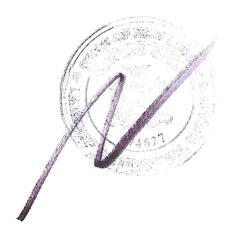




Table of Contents

	Page	NO.
Introduction	1	
Project Description	1	
Proposed Water Main Extension	6	,
Analysis of Pressure	7	
Conclusion	8	3
	_	-
Sanitary Sewer Extension	8	}
Proposed Sewer System	8	8
Design Standards	. 9)
Conclusion	1	0

Appendix A
Soils Information

Appendix B
Water Pressure Analysis

Engineering Report for:

- Water Main System
- Sanitary Sewer System

Introduction:

The purpose of this report is to describe the methods which will be utilized to provide Domestic Water Service and Sanitary Sewer Service, for the proposed Residential Subdivision of 29 Vly Road, which is in compliance with the Requirements of the Village of Colonie and the Albany County Department of Health.

Project Description:

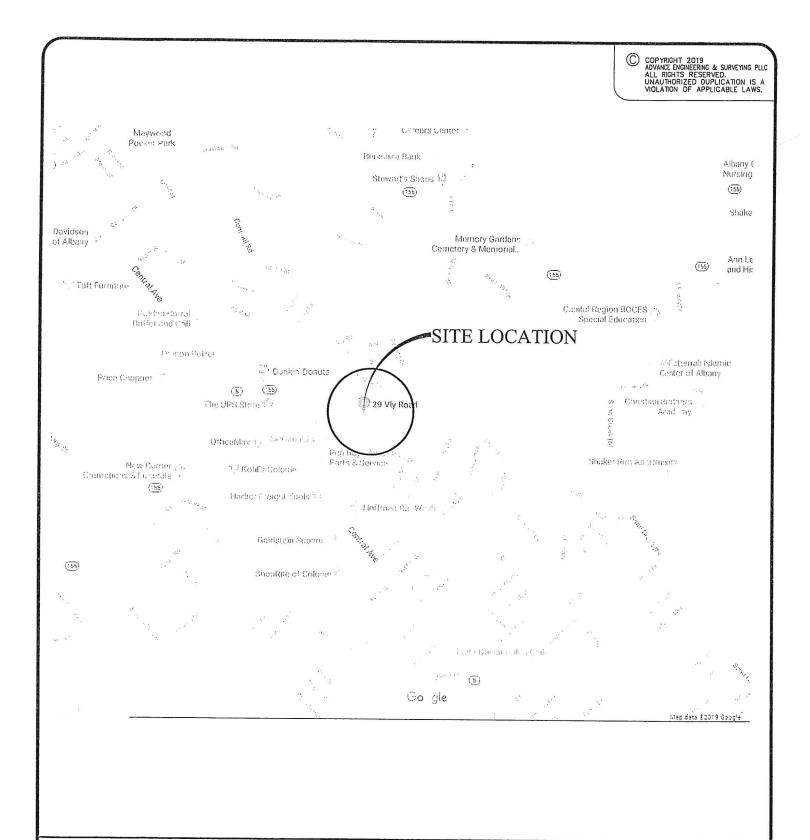
The proposed Residential Subdivision of 29 Vly Road proposes the development of 19 single-family homes and 5 Duplex units on the 11 +/-Acre parcel located on the easterly side of Vly Road in the Village of Colonie. The plan illustrates the general intent of site development and the configuration for major elements of the proposed design program. The plan was designed in accordance with the Village of Colonie Zoning Code and Subdivision Regulations.

Figure 1 depicts the location of the project site.

The general land use program for the site proposes 19 single-family detached homes and 5 Duplex units with public roads, on-site stormwater management, connection to the Village's municipal water and sanitary sewer systems. Two new streets, Chris Place & Hillside Avenue (extension of existing streets) will be constructed in accordance with the Village of Colonie specifications. The new streets will contain the infrastructure systems necessary to provide municipal service to the proposed project.

Land Use

The existing site consists of a developed parcel that currently is occupied by a one story masonry building that is used as a church and associated access and circulation drives from Vly Road and parking areas for the communicants of the church. It is currently zoned Residential, and is owned by Rosetti Companies. The parcel is generally rectangular in shape and the front portion



UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209, SUBDIVISION 2, OF THE NEW YORK STATE EDUCATION LAW.

ONLY COPIES FROM THE ORIGINAL OF THIS SURVEY MARKED WITH AN ORIGINAL OF THE LAND SURVEYOR'S EMBOSSED SEAL SHALL BE CONSIDERED VALID TRUE COPIES.



Design of:

ADVANCE ENGINEERING & SURVEYING, PLLC

CONSULTING IN -CIVIL & ENVIRONMENTAL ENGINEERING LAND SURVEYING & DEVELOPMENT COMMERCIAL AND RESIDENTIAL

11 HERBERT DRIVE, LATHAM, N.Y. 12110

PHONE: (518) 698-3772

E-MAIL: ncostape@gmail.com

SITE LOCATION 29 VLY ROAD

TOWN OF COLONIE
COUNTY OF ALBANY STATE OF NEW YORK

 DATE:
 DECEMBER
 2019
 NOT TO SCALE

 SHEET 1 OF 1

 DRAWN BY:
 FC
 CHECKED BY:
 NC
 MAP NO. FIGURE-1

that contains the church and associated improvements will be subdivided and the church will retain the front portions of the parcel. The parcel has frontage along Vly Road and also has frontage along Hillside Avenue (60 feet), Chris Place (40 feet) and Cypress Street (60 feet). It is bordered on the north and south by residential properties; on the west the Vly Road corridor and on the easterly side it borders the lands owned by the South Colonie School District. The existing property is comprised of densely wooded lands.

Figure 1 shows the general site location of the project.

Soils and Groundwater

According to United States Department of Agriculture Soil Survey for Albany County, the primary soils found at the site may be classified as hydrologic soil group A, (modeled as A soils in HydroCAD), Colonie (CoC) and Udipsamments (Ud & Uf) with an unclassified hydrologic soil group (modeled as A soils in HydroCAD, based on infiltration testing conducted on site).

Soil Test Pits and percolation testing was conducted at the site on July 30, 2020 and the following data was collected:

<u>Test Pit #1 (TP#1)</u>

0-6 inches topsoil

6-76 inches light brown sand

No groundwater present at the bottom of the test pit

Test Pit #2 (TP#2)

0-6 inches topsoil

6-20 inches light brown sand

20-36 inches dark brown sand

36-88 inches light brown sand

No groundwater present at the bottom of the test pit

Perc Test #1 (PT#1)

30-inch tube inserted into the soils

Water was poured into the 30-inch deep tube and the time for 6-inches to drop was recorded as 1 minute and 30 seconds average (noted for four

consecutive runs)

Perc Test #2 (PT#2)

30-inch tube inserted into the soils

Water was poured into the 30-inch deep tube and the time for 6-inches to drop was recorded as 40 seconds average (noted for four consecutive runs) The field testing of the soils confirms the soils reported in the websoils that the local soils are in Group A. The location of the test pits and the percolation testing are shown on the project drawings.

Soils mapping from the websoils is provided in Appendix A of this report.

Topography

Field observation and topographic mapping show that the terrain on the subject parcel and adjacent properties slopes generally to the west and towards the closed drainage system that discharges into an unnamed tributary of the Lisha Kill Creek which eventually discharges into the Mohawk River. The site is comprised of nominal slopes between 1% and 10%. The high point near the easterly boundary is at an elevation of 112 feet, and the low point, at an elevation of approximately 84 feet, is located at the site's westerly and southerly border with the private driveway that also contains the closed drainage system that was described earlier.

Wetlands

There are no known wetlands on the subject parcel that will be disturbed during the proposed development.

Surface Waters and Flood Plains

The subject Site is not located within a FEMA flood zone, based on the FIRM map 36001C0177D, dated March 16, 2015.

Existing Utilities:

Water: An existing Village of Colonie hydrant is located along Hillside Avenue, near the proposed access road to the proposed development. Water mains are located along Hillside Avenue and Chris Place adjacent to the proposed development, and will be looped through the proposed roadways to form a loop

that will improve the water circulation and water provision options in case of a water main break.

Sanitary: Existing Village of Colonie sanitary sewer systems are located on Hillside Avenue and Chris Place. The proposed project will be utilizing the existing manhole at the current terminus of Hillside Avenue to connect and extend the sanitary sewer to the project site.

Storm: There is an existing storm sewer system located on the project site that traverses the subject parcel along an existing storm sewer easement.

Gas, Electric, CATV, etc: These utilities are located along Chris Place and Hillside Avenue.

Proposed Water Main System

The proposed residential subdivision at 29 Vly Road proposes the construction of two new streets, Chris Place and Hillside Avenue, with an approximate length of 1,430 Lineal Feet (LF) and construction of a permanent cul-de-sac. The water main extension consists of the installation of 1,650 LF of 8-inch ductile iron pipe (DIP) Class 52, two new hydrants and valves, four in-line isolation valve and 29 service taps and corporation stops. Water services will be extended to the street right-of-way line. The water main will be installed in accordance with regulations and standards established by the Village of Colonie and inspected by the Village designated engineer for the project.

The following table summarizes the estimated daily water usage for the new lots in the development are assumed to have three bedrooms and an average population of 3.2 persons for the single family and duplexes.

Each home will be individually serviced by a minimum 3/4-inch diameter Type "K" copper water supply connected to the 8-inch water main within the street

right-of-way. Fire protection and ability to flush the main will be provided by the installation of new fire hydrants at an interval of approximately 600 feet.

Upon completion of the water main extension, the system will be pressure tested and chlorinated, and upon acceptance by the Department of Public Works conveyed to the Town of Colonie.

Table 1 – Estimated Hydraulic Loading

Units	No. of Persons	Estimated Total Population	Usage	Estimated Total Daily Average Usage
19 single family homes	3.2 each	61	100 gal. per person/day	6,100 gallons
5 duplexes			100 gal. per	
	3.2 each	16	person/day	1,600 gallons
Total		77		7,700 gallons

Analysis of Pressure

Discussed with Mr. Dan Light of the Village of Colonie Department of Public Works, the existing water mains in the immediate area are all looped and the project will be connecting to a water system which generally has a Static Pressure of 65+/- PSI and a Residual Pressure of 55+/- PSI. In the spring a Hydrant Flow test will be completed to confirm this flow data. Based on this flow data, the water pressure at the terminus of proposed Chris Place was calculated and the computations are presented in Appendix B.

Appendix B presents the analysis and calculations of the water pressure for the proposed water main extension. The analysis is based upon existing water pressure data provided by the Village of Colonie Department of Public Works.

The calculations indicate that upon the extension of the water main there will be

approximately 63+/- psi static pressure at the low point and at the high point of the new water main. The proposed water main will form a loop from Chris Place through Hillside Avenue. This water system loop will improve the quality and circulation pressure along Chris Place and Hillside Avenue. Additionally, it will provide water system redundancy should the water mains have to be isolated.

Conclusion

The water main extension to be installed to service the proposed Residential Development at 29 Vly Road development will have sufficient pressure and capacity to service the new lots. The Village of Colonie municipal water system has ample capacity to service this subdivision.

PROPOSED SANITARY SEWER SYSTEM

Existing Conditions

Presently, Village of Colonie gravity sanitary sewer mains exist in Chris Place and Hillside Avenue. The 8-inch sanitary sewer main located at Hillside Avenue will be extended to serve the new lots in the proposed Residential Subdivision of 29 Vly Road development.

Proposed Sewer System

The sanitary sewer system for the new lots within the Residential Subdivision of 29 Vly Road will consist of gravity sewer main. The 19 single family lots and five duplexes will be served by a new 8-inch gravity sewer main that will connect to the existing sanitary sewer main at the terminus of Hillside Avenue. The gravity sewer main will be extended into Chris Place to pick up the house laterals.

Design Standards

The proposed Sanitary Sewer System components are designed to convey the peak sanitary flows at velocities sufficient to prevent deposition of solids. The average daily flows are estimated on a basis of 100 gallons per day (GPD) per person. Peak daily flows are estimated to be four times greater than the average daily flow.

Hydraulic Loading:

Estimated Water use = 100 GPD/person

Average Daily Flows:

From water section above = 7,700 GPD

Say: **8,000 GPD**

Peak Daily Flows: (use peaking factor of 4.0)

 $8,000 \text{ GPD} \times 4.0 = 32,000 \text{ GPD}$

<u>32,000 GPD</u> = 22.22 <u>Gallons</u> (GPM) or <u>**0.0495** Cubic Feet</u>

24 hr/day x 60 min Minute Second hr. (CFS)

The 8-inch diameter PVC SDR 26 Gravity Sewer Pipe has a roughness coefficient (n) of 0.013 and will be installed at a minimum grade of 0.50%. Utilizing Manning's equation, the proposed sewer line would have a full flow capacity of 500,000 GPD. The estimated peak daily flow from the entire development is estimated at 32,000 GPD and will be tributary to the existing Hillside Avenue sanitary sewer main. A minimum velocity of 2.0 FPS will be achieved in the new sanitary sewer line. The maximum length of sewer line between manholes is 400 feet or less. The minimum cover is approximately 5 feet. Manholes will be constructed of pre-cast concrete sections with a minimum inside diameter of four feet. The proposed components of the Sanitary Sewer System will be constructed in accordance with the requirements, recommendations and specifications of the New York State Department of

Environmental Conservation, the Albany County Department of Health and the Village of Colonie Water and Wastewater Department.

Upon completion of the installation, the infrastructure will be subjected to an infiltration/exfiltration test against a maximum daily leakage of 100 gallons per-inch-diameter per-mile of pipe per-day in accordance with ASTM F1417.

Financing

Installation of the proposed sanitary sewer improvements in connection with the Residential Subdivision of 29 Vly Road project will be performed by the project developer/owner at their full expense. Once the proposed improvements are constructed, tested and certified, the sanitary sewer system will be conveyed to the Village of Colonie for ownership, operation and maintenance.

Conclusion

The sanitary sewer gravity sewer will provide municipal sanitary sewer service to the new lots at the Residential Subdivision of 29 Vly Road. The Village of Colonie municipal sewer system has ample capacity to provide sanitary sewer service to the proposed Residential Subdivision of 29 Vly Road development.

Respectfully submitted:

Advance Engineering & Surveying PL

Nicholas Costa, PE NYS License No. 074627

Appendix A

Soils Information



42° 43' 49" N



11/11/2019 Page 1 of 3

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800

Warning: Soil Map may not be valid at this scale.

contrasting soils that could have been shown at a more detailed misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of Enlargement of maps beyond the scale of mapping can cause

Please rely on the bar scale on each map sheet for map measurements. Source of Map: Natural Resources Conservation Service Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

distance and area. A projection that preserves area, such as the Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required. This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Version 17, Sep 16, 2019 Soil Survey Area: Albany County, New York Survey Area Data:

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Apr 16, 2009—Oct

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Very Stony Spot Stony Spot Spoil Area Wet Spot Other 053 Soil Map Unit Polygons Area of Interest (AOI) Soil Map Unit Points Soil Map Unit Lines Special Point Features Area of Interest (AOI)

Special Line Features

Streams and Canals Nater Features

> **Borrow Pit** Clay Spot

Blowout

Interstate Highways Rails **Fransportation** #

Closed Depression

US Routes

Gravelly Spot

Gravel Pit

Major Roads

Local Roads

Background

Aerial Photography

Marsh or swamp

Lava Flow

Landfill

Mine or Quarry

Miscellaneous Water

Perennial Water

Rock Outcrop

Saline Spot

Severely Eroded Spot Sandy Spot ıllı

Sinkhole

Slide or Slip

Sodic Spot

USDA

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
CoC	Colonie loamy fine sand, rolling	4.5	40.2%
Ud	Udipsamments, smoothed	6.2	55.7%
Uf	Udipsamments-Urban land complex	0.4	4.1%
Totals for Area of Interest		11.1	100.0%

Albany County, New York

CoC—Colonie loamy fine sand, rolling

Map Unit Setting

National map unit symbol: 9pff Elevation: 150 to 1,000 feet

Mean annual precipitation: 36 to 41 inches Mean annual air temperature: 45 to 48 degrees F

Frost-free period: 100 to 170 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Colonie, rolling, and similar soils: 85 percent

Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of

the mapunit.

Description of Colonie, Rolling

Setting

Landform: Deltas, beach ridges

Landform position (two-dimensional): Shoulder Landform position (three-dimensional): Tread

Down-slope shape: Convex Across-slope shape: Convex

Parent material: Sandy glaciofluvial or eolian deposits

Typical profile

H1 - 0 to 7 inches: loamy fine sand H2 - 7 to 68 inches: loamy fine sand H3 - 68 to 74 inches: loamy fine sand

Properties and qualities

Slope: 8 to 15 percent

Depth to restrictive feature: More than 80 inches Natural drainage class: Somewhat excessively drained

Capacity of the most limiting layer to transmit water (Ksat): High to

very high (1.98 to 19.98 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Available water storage in profile: Low (about 4.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 3e

Hydrologic Soil Group: A Hydric soil rating: No

Minor Components

Unnamed soils

Percent of map unit: 9 percent

Claverack

Percent of map unit: 5 percent Hydric soil rating: No

Granby

Percent of map unit: 1 percent Landform: Depressions Hydric soil rating: Yes

Data Source Information

Soil Survey Area: Albany County, New York Survey Area Data: Version 17, Sep 16, 2019

Albany County, New York

Ud—Udipsamments, smoothed

Map Unit Setting

National map unit symbol: 9phy

Mean annual precipitation: 36 to 41 inches
Mean annual air temperature: 45 to 48 degrees F

Frost-free period: 100 to 170 days

Farmland classification: Not prime farmland

Map Unit Composition

Udipsamments, smoothed, and similar soils: 70 percent

Minor components: 30 percent

Estimates are based on observations, descriptions, and transects of

the mapunit.

Description of Udipsamments, Smoothed

Typical profile

H1 - 0 to 70 inches: coarse sand

Properties and qualities

Slope: 0 to 45 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Capacity of the most limiting layer to transmit water (Ksat): Very

high (19.98 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Available water storage in profile: Low (about 3.6 inches)

Minor Components

Urban land

Percent of map unit: 10 percent Hydric soil rating: Unranked

Unnamed soils

Percent of map unit: 10 percent

Elnora

Percent of map unit: 5 percent

Hydric soil rating: No

Colonie

Percent of map unit: 5 percent

Hydric soil rating: No

Data Source Information

Soil Survey Area: Albany County, New York Survey Area Data: Version 17, Sep 16, 2019

Albany County, New York

Uf-Udipsamments-Urban land complex

Map Unit Setting

National map unit symbol: 9pj0

Mean annual precipitation: 36 to 41 inches Mean annual air temperature: 45 to 48 degrees F

Frost-free period: 100 to 170 days

Farmland classification: Not prime farmland

Map Unit Composition

Udipsamments and similar soils: 50 percent

Urban land: 30 percent

Minor components: 20 percent

Estimates are based on observations, descriptions, and transects of

the mapunit.

Description of Udipsamments

Typical profile

H1 - 0 to 70 inches: coarse sand

Properties and qualities

Slope: 0 to 8 percent

Depth to restrictive feature: More than 80 inches Natural drainage class: Somewhat excessively drained

Capacity of the most limiting layer to transmit water (Ksat): Very

high (19.98 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Available water storage in profile: Low (about 3.6 inches)

Description of Urban Land

Typical profile

H1 - 0 to 6 inches: variable

Minor Components

Psammaquents

Percent of map unit: 10 percent

Landform: Depressions Hydric soil rating: Yes

Unnamed soils

Percent of map unit: 10 percent

Data Source Information

Soil Survey Area: Albany County, New York Survey Area Data: Version 17, Sep 16, 2019

Appendix B WATER PRESSURE ANALYSIS

Water System Pressure

Data regarding existing water pressure in the vicinity of the project has been provided by the Village of Colonie Department of Public Works. Using this data the following water pressures for the proposed development have been computed:

* Existing Water Pressure for existing system (per Village):

65 psi - static

55 psi - residual

Existing Chris Place and Hillside Avenue will be looped and the pressures in this portion of the system are estimated to remain the same as noted for the existing system above.

*Water pressure at low and high points of Chris Place:

Water system low point occurs at station 10+49± of Chris Place

Length of 8-inch main = 303 feet

Elevation difference = 96.50 feet - 92.80 feet = +3.7 feet

Flowing 1000 gpm:

$$Hf = 303 \text{ l.f.} * \frac{0.465 \text{ ft}}{100 \text{ ft}} = 1.41 \text{ psi}$$

1.41 psi

Ignore pressure gain due to elevation difference

* Total pressure loss

<u>0</u> 1.41 psi

Therefore, pressure at low point of Chris Place = 65 psi - 1.41 psi = 63.59 psi

*Water pressure at high point of Chris Place:

Water system high point occurs at station 12+60 at the Chris Place cul-de-sac

Length of 8-inch main = 514 feet

Elevation difference = 96.50 - 94.50 = +2.0 feet

Flowing 1000 gpm:

$$Hf = 514 \text{ I.f.} * \frac{0.465 \text{ ft.}}{100 \text{ ft.}}$$

2.39 psi

Ignore pressure gain due to elevation difference

*Total Pressure Loss High Point

<u>0</u> 2.39 psi

Therefore, pressure at high point of Chris Place = 65 - 2.39 = 62.61 psi

