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**TOWN OF NEWBURGH
PLANNING BOARD
TECHNICAL REVIEW COMMENTS**

PROJECT: NGO
PROJECT NO.: 19-03
PROJECT LOCATION: SECTION 14, BLOCK 1, LOT 20
REVIEW DATE: 15 FEBRUARY 2019
MEETING DATE: 21 FEBRUARY 2019
PROJECT REPRESENTATIVE: VALDINA CONSULTING ENGINEERS

1. Town of Newburgh water and sewer connection notes should be added to the plans.
2. Orange County Planning Department referral is required due to proximity to state highway.
3. Mike Donnelly's comments regarding the existing non-conforming lot size and the note identifying Section 185-18 to be utilized as a two family house should be received.
4. Dose volume for the siphon chamber should be identified on the plans, including calculations. Siphon chamber does not appear to be required based on septic system design. Gravity flow appears to be available from the septic tank to the proposed septic field.
5. Zoning Bulk Table requirements for two family should be added to the plans. Bulk Table depicts single family residence requirements.
6. Applicant's representative is asked to discuss the area shown on the south side of the proposed two family residence. Is this additional parking or garage.
7. Mason sand specification must appear on plans utilizing Elgin septic systems.
8. Discrepancy in design flow rate in septic chart 660 gallons per day versus the 780 gallons per day identified in the design should be addressed.
9. The EAF filled out on the NYSDEC data base identifies the project in a critical Environmental Area, the Chadwick Lake Reservoir CEA. This item is crossed out on the form. A review of

the mapping does identify the project in the Chadwick Lake Critical Environmental Area.

• Regional Office • 111 Wheatfield Drive • Suite 1 • Milford, Pennsylvania 18337 • 570-296-2765 •

Projects in the Critical Environmental Area are by definition a Type I Action requiring coordinated review.

Respectfully submitted,

***McGoey, Hauser and Edsall
Consulting Engineers, D.P.C.***

Patrick J. Hines
Principal

PJH/kbw

TOWN OF NEWBURGH
APPLICATION FOR
SUBDIVISION/SITE PLAN REVIEW

RETURN TO: Town of Newburgh Planning Board
308 Gardnertown Road
Newburgh, New York 12550

DATE RECEIVED: _____ TOWN FILE NO: 2019-03
(Application fee returnable with this application)

1. Title of Subdivision/Site Plan (Project name): Ngo Duplex

2. Owner of Lands to be reviewed:

Name Meng Ngo
Address 1845 Route 300, 2A
Newburgh, NY 12550
Phone 917-882-1194

3. Applicant Information (If different than owner):

Name _____
Address _____

Representative Valdina Consulting Engineers
Phone 845-565-4447
Fax 845-565-4428
Email fivirpels@aol.com

4. Subdivision/Site Plan prepared by:

Name Valdina Consulting Engineers
Address 4 Pleasant View Avenue
Newburgh, NY 12550

Phone/Fax 845-565-4447/845-565-4428

5. Location of lands to be reviewed:

Northeast corner of the Route 300/Mt. View Ave. intersection

6. Zone AR Fire District Cronomer Valley
Acreage 2.2± School District Wallkill Central

7. Tax Map: Section 14 Block 1 Lot 20

8. Project Description and Purpose of Review:

Number of existing lots _____ Number of proposed lots _____
Lot line change _____
Site plan review _____
Clearing and grading _____
Other _____

PROVIDE A WRITTEN SINGLE PAGE DESCRIPTION OR NARRATIVE OF THE PROJECT

9. Easements or other restrictions on property:

(Describe generally) None

10. The undersigned hereby requests approval by the Planning Board of the above identified application and scheduling for an appearance on an agenda:

Signature  Title Owner

Date: 9/25/18

NOTE: If property abuts and has its access to a County or State Highway or road, the following information must be placed on the subdivision map or site plan: entrance location, entrance profile, sizing of pipe (minimum length of pipe to be 24 feet).

The applicant will also be required to submit an additional set of plans, narrative letter and EAF if referral to the Orange County Planning Department is required under General Municipal Law Section 239.

TOWN OF NEWBURGH PLANNING BOARD

NGO DUPLEX

PROJECT NAME

CHECKLIST FOR MAJOR/MINOR SUBDIVISION AND/OR SITE PLAN

I. The following items shall be submitted with a COMPLETED Planning Board Application Form.

1. Environmental Assessment Form As Required

2. Proxy Statement
3. Application Fees
4. Completed Checklist (Automatic rejection of application without checklist)

II. The following checklist items shall be incorporated on the Subdivision Plat or Site Plan prior to consideration of being placed on the Planning Board Agenda. Non-submittal of the checklist will result in application rejection.

1. Name and address of applicant
2. Name and address of owner (if different from applicant)
3. N/A Subdivision or Site Plan and Location
4. Tax Map Data (Section-Block-Lot)
5. Location map at a scale of 1" = 2,000 ft. or less on a tax map or USCGS map base only with property outlined
6. Zoning table showing what is required in the particular zone and what applicant is proposing. A table is to be provided for each proposed lot
7. Show zoning boundary if any portion of proposed site is within or adjacent to a different zone
8. Date of plan preparation and/or plan revisions
9. Scale the plan is drawn to (Max 1" = 100')
10. North Arrow pointing generally up

11. X Surveyor,s Certification
 - * 12. X Surveyor's seal and signature
 13. X Name of adjoining owners
 14. N/A Wetlands and 100 ft. buffer zone with an appropriate note regarding D.E.C. or A.C.O.E. requirements
 15. N/A Flood plain boundaries
 16. X Certified sewerage system design and placement by a Licensed Professional Engineer must be shown on plans in accordance with Local Law #1 1989
-
17. X Metes and bounds of all lots
 18. X Name and width of adjacent streets; the road boundary is to be a minimum of 25 ft. from the physical center line of the street
 19. N/A Show existing or proposed easements (note restrictions)
 20. N/A Right-of-way width and Rights of Access and Utility Placement
 21. N/A Road profile and typical section (minimum traveled surface, excluding shoulders, is to be 18 ft. wide)
 22. X Lot area (in sq. ft. for each lot less than 2 acres)
 23. N/A Number of lots including residual lot
 24. N/A Show any existing waterways
 25. N/A A note stating a road maintenance agreement is to be filed in the County Clerk's Office where applicable
 26. X Applicable note pertaining to owners review and concurrence with plat together with owner's signature
 27. X Show any improvements, i.e. drainage systems, water lines, sewer lines, etc.
 28. X Show all existing houses, accessory structures, wells and septic systems on and within 200 ft. of the parcel to be subdivided
 29. X Show topographical data with 2 or 5 ft. contours on initial submission

* Will be on Final Plat

30. N/A Indicate any reference to a previous subdivision, i.e. filed map number, date and previous lot number
31. N/A If a private road, Town Board approval of name is required, and notes on the plan that no town services will be provided and a street sign (per town specs) is to be furnished and installed
32. N/A Number of acres to be cleared or timber harvested
33. N/A Estimated or known cubic yards of material to be excavated and removed from the site
34. N/A Estimated or known cubic yards of fill required
35. N/A The amount of grading expected or known to be required to bring the site to readiness
36. N/A Type and amount of site preparation which falls within the 100 ft. buffer strip of wetlands or within the Critical Environmental Area. Please explain in sq. ft. or cubic yards.
37. N/A Any amount of site preparation within a 100 year floodplain or any water course on the site. Please explain in sq. ft. or cubic yards.
- ** 38. x List of property owners within 500 feet of all parcels to be developed (see attached statement).

The plan for the proposed subdivision or site has been prepared in accordance with this checklist.

By: Frank J. Veldman
Licensed Professional

Date: 9/25/18

This list is designed to be a guide ONLY. The Town of Newburgh Planning Board may require additional notes or revisions prior to granting approval.

Prepared (insert date): 9/12/18

** Will be provided if a public hearing is required.

PROXY

(OWNER) Meng Ngo, DEPOSES AND SAYS THAT HE/SHE

RESIDES AT 1845 Route 300, 2A

IN THE COUNTY OF Orange

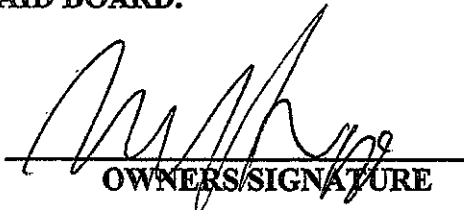
AND STATE OF New York

AND THAT HE/SHE IS THE OWNER IN FEE OF Section 14-- Block 1 -

Lot 20

WHICH IS THE PREMISES DESCRIBED IN THE FOREGOING APPLICATION AS DESCRIBED THEREIN TO THE TOWN OF NEWBURGH PLANNING BOARD AND Valdina Consulting Engineers IS AUTHORIZED TO REPRESENT THEM AT MEETINGS OF SAID BOARD.

DATED: 9/25/18


OWNERS SIGNATURE

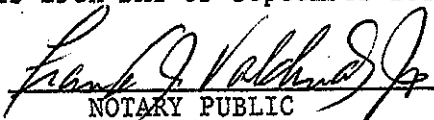
Meng Ngo
OWNERS NAME (printed)


WITNESS' SIGNATURE

NAMES OF ADDITIONAL REPRESENTATIVES

Craig M. Marti
WITNESS' NAME (printed)

STATE OF NEW YORK: COUNTY OF ORANGE
SWORN TO THIS 25th DAY OF September 2018


NOTARY PUBLIC

FRANK J. VALDINA, JR.
Notary Public, State of New York
#4062100
Appointed in Orange County
My Commission Expires April 30, 2019

FEE ACKNOWLEDGEMENT

The town of Newburgh Municipal Code sets forth the schedule of fees for applications to the Planning Board. The signing of this application indicates your acknowledgement of responsibility for payment of these fees to the Planning Board for review of this application, including, but not limited to escrow fees for professional services (planner/consultant, engineering, legal), public hearing and site inspection. Applicant's submissions and resubmissions are not complete and will not be considered by the planning board or placed upon its agenda unless all outstanding fees have been paid. Fees incurred after the stamping of plans will remain the responsibility of the applicant prior to approval of a building permit or certificate of occupancy. Fee schedules are available from the Planning Board Secretary and are on the Town's website.

Meng Ngo
APPLICANT'S NAME (printed)


APPLICANT'S SIGNATURE

9/25/18
DATE

Note: if the property abuts and has access to a County or State Highway or road, the following information must be place on the subdivision map: entrance location, entrance profile, sizing of drainage pipe (minimum length of pipe to be twenty-four (24) feet).

PLANNING BOARD DISCLAIMER STATEMENT
TO APPLICANTS

The applicant is advised that the Town of Newburgh Municipal Code, which contains the Town's Zoning Law, is subject to amendment. Submission of an application to this Board does not grant the applicant any right to continued review under the Code's current standards and requirements. It is possible that the applicant will be required to meet changed standards or new Code requirements made while the application is pending.

An approval by this Board does not constitute permission, nor grant any right to connect to or use municipal services such as sewer, water or roads. It is the applicant's responsibility to apply for and obtain the Town of Newburgh and other agency approvals not within this Board's authority to grant.

The applicant hereby acknowledges, consents, and agrees to the above.

9/25/18
DATED

Meng Ngo
APPLICANT'S NAME (printed)


APPLICANT'S SIGNATURE

**DISCLOSURE ADDENDUM STATEMENT TO APPLICATION,
PETITION AND REQUEST**

Mindful of the provisions of Section 809 of the General Municipal Law of the State of New York, and of the Penal provisions thereof as well, the undersigned applicant states that no State Officer, Officer or Employee of the Town of Newburgh, or Orange County, has any interest, financial or otherwise, in this application or with, or in the applicant as defined in said Statute, except the following person or persons who is or are represented to have only the following type of interest, in the nature and to the extent hereinafter indicated:

 X NONE

NAME, ADDRESS, RELATIONSHIP OR INTEREST
(financial or otherwise)

This disclosure addendum statement is annexed to and made a part of the petition, application and request made by the undersigned applicant to the following Board or Officer of the Town of Newburgh.

 TOWN BOARD
 X PLANNING BOARD
 ZONING BOARD OF APPEALS
 ZONING ENFORCEMENT OFFICER
 BUILDING INSPECTOR
 OTHER

 9/25/18
DATED

Meng Ngo

INDIVIDUAL APPLICANT

CORPORATE OR PARTNERSHIP APPLICANT

BY: _____
(Pres.) (Partner) (Vice-Pres.)
(Sec.) (Treas.)

ARCHITECTURAL REVIEW FORM
TOWN OF NEWBURGH PLANNING BOARD

DATE: 9/25/18

NAME OF PROJECT: NGO DUPLEX

The applicant is to submit in writing the following items prior to signing of the site plans.

EXTERIOR FINISH (skin of the building):

Type (steel, wood, block, split block, etc.)

Vinyl Siding

COLOR OF THE EXTERIOR OF BUILDING:

Desert Tan

ACCENT TRIM:

Location: Windows, Fascia, Soffit and Doors

Color: White

Type (material): Vinyl and Paint

PARAPET (all roof top mechanicals are to be screened on all four sides):

N/A

ROOF:

Type (gabled, flat, etc.): Gabled

Material (shingles, metal, tar & sand, etc.): Shingles

Color: Slate Gray

WINDOWS/SHUTTERS:

Color (also trim if different): None

Type: _____

DOORS:

Color: White

Type (if different than standard door entrée): _____

SIGN:

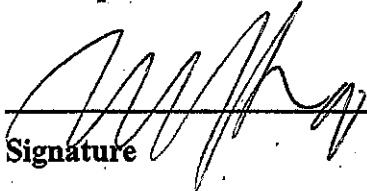
Color: N/A

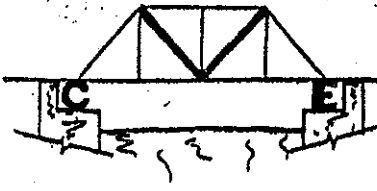
Material: _____

Square footage of signage of site: _____

Meng Ngo, Owner

Please print name and title (owner, agent, builder, superintendent of job, etc.)

 9/25/18
Signature



VALDINA CONSULTING ENGINEERS

4 PLEASANT VIEW AVENUE
NEWBURGH, N.Y. 12550
845-565-4447

NGO DUPLEX

(Planning Board #: 2019-03)

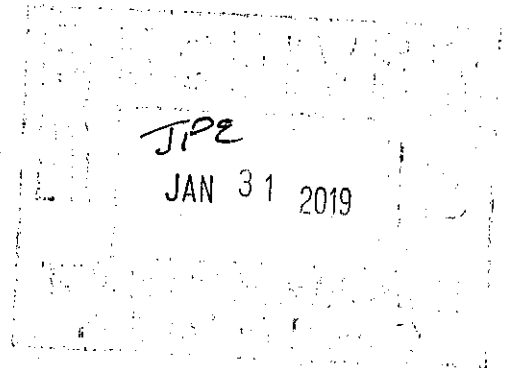
PROJECT NARRATIVE

Mr. & Mrs. Ngo own a two and two tenths (2.2) acre parcel at the northeast corner of the Route 300/Mountain View Avenue intersection.

They are proposing to construct a duplex residence on this parcel, with access off of Mountain View Avenue. This access will be at the northwest corner of their parcel.

Due to the trees and the difference in elevation, the visibility from both Route 300 and Mountain View Avenue will be limited.

The residence will be served by Town water and a subsurface disposal system.



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

Instructions for Completing Part 1

Part 1 is to be completed by the applicant or project sponsor. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification.

Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information; indicate whether missing information does not exist, or is not reasonably available to the sponsor; and, when possible, generally describe work or studies which would be necessary to update or fully develop that information.

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

A. Project and Sponsor Information.

Name of Action or Project: NGO DUPLEX		
Project Location (describe, and attach a general location map): Northeast corner of the Route 300/Mountain View Avenue intersection		
Brief Description of Proposed Action (include purpose or need): Construction of a two (2) family (duplex) residence on an existing two and two tenths (2.2) acre lot.		
Name of Applicant/Sponsor: Meng Ngo	Telephone: 917-882-1194	E-Mail:
Address: 1845 Route 300, 2A		
City/PO: Newburgh	State: New York	Zip Code: 12550
Project Contact (if not same as sponsor; give name and title/role): Valdina Consulting Engineers	Telephone: 845-565-4447	E-Mail: fjvjrpe1s@aol.com
Address: 4 Pleasant View Avenue		
City/PO: Newburgh	State: NewbuYghh	Zip Code: 12550
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	Application Date (Actual or projected)
a. City Council, Town Board, <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No or Village Board of Trustees		
b. City, Town or Village Planning Board or Commission <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Planning Board	10/1/18 (Proposed)
c. City Council, Town or Village Zoning Board of Appeals <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
d. Other local agencies <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
e. County agencies <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
f. Regional agencies <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
g. State agencies <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
h. Federal agencies <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
i. Coastal Resources.		
i. Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
ii. Is the project site located in a community with an approved Local Waterfront Revitalization Program?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
iii. Is the project site within a Coastal Erosion Hazard Area?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

C. Planning and Zoning

C.1. Planning and zoning actions.	
Will administrative or legislative adoption, or amendment of a plan, local law, ordinance, rule or regulation be the only approval(s) which must be granted to enable the proposed action to proceed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<ul style="list-style-type: none"> • If Yes, complete sections C, F and G. • If No, proceed to question C.2 and complete all remaining sections and questions in Part I 	
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? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
If Yes, does the comprehensive plan include specific recommendations for the site where the proposed action would be located? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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?) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
If Yes, identify the plan(s):	

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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
If Yes, identify the plan(s):	

C.3. Zoning

- a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance. Yes No
If Yes, what is the zoning classification(s) including any applicable overlay district?
Agricultural Residential District
- b. Is the use permitted or allowed by a special or conditional use permit? Yes No
- c. Is a zoning change requested as part of the proposed action? Yes No
If Yes,
i. What is the proposed new zoning for the site? _____

C.4. Existing community services.

- a. In what school district is the project site located? Wallkill Central
- b. What police or other public protection forces serve the project site?
Town of Newburgh Police Department
- c. Which fire protection and emergency medical services serve the project site?
Cronomer Valley Fire Department/Town of Newburgh Emergency Medical Services
- d. What parks serve the project site?
Chadwick Lake

D. Project Details

D.1. Proposed and Potential Development

- a. What is the general nature of the proposed action (e.g., residential, industrial, commercial, recreational; if mixed, include all components)?
Residential
- b. a. Total acreage of the site of the proposed action? 2.2± acres
b. Total acreage to be physically disturbed? 0.5± acres
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 2.2± acres
- c. Is the proposed action an expansion of an existing project or use? Yes No
i. If Yes, what is the approximate percentage of the proposed expansion and identify the units (e.g., acres, miles, housing units, square feet)? % _____ Units: _____
- d. Is the proposed action a subdivision, or does it include a subdivision? Yes No
If Yes,
i. Purpose or type of subdivision? (e.g., residential, industrial, commercial; if mixed, specify types)

ii. Is a cluster/conservation layout proposed? Yes No
iii. Number of lots proposed? _____
iv. Minimum and maximum proposed lot sizes? Minimum _____ Maximum _____
- e. Will proposed action be constructed in multiple phases? Yes No
i. If No, anticipated period of construction: 4± months
ii. If Yes:
• Total number of phases anticipated _____
• Anticipated commencement date of phase 1 (including demolition) _____ month _____ year
• Anticipated completion date of final phase _____ month _____ year
• Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases: _____

f. Does the project include new residential uses?

Yes No

If Yes, show numbers of units proposed.

	<u>One Family</u>	<u>Two Family</u>	<u>Three Family</u>	<u>Multiple Family (four or more)</u>
Initial Phase	_____	_____	_____	_____
At completion	_____	1	_____	_____
of all phases	_____	1	_____	_____

g. Does the proposed action include new non-residential construction (including expansions)?

Yes No

If Yes,

- i. Total number of structures _____
- ii. Dimensions (in feet) of largest proposed structure: _____ height; _____ width; and _____ length
- iii. Approximate extent of building space to be heated or cooled: _____ square feet

h. Does the proposed action include construction or other activities that will result in the impoundment of any liquids, such as creation of a water supply, reservoir, pond, lake, waste lagoon or other storage?

Yes No

If Yes,

- i. Purpose of the impoundment: _____
- ii. If a water impoundment, the principal source of the water: Ground water Surface water streams Other specify: _____
- iii. If other than water, identify the type of impounded/contained liquids and their source. _____
- iv. Approximate size of the proposed impoundment. Volume: _____ million gallons; surface area: _____ acres
- v. Dimensions of the proposed dam or impounding structure: _____ height; _____ length
- vi. Construction method/materials for the proposed dam or impounding structure (e.g., earth fill, rock, wood, concrete): _____

D.2. Project Operations

a. Does the proposed action include any excavation, mining, or dredging, during construction, operations, or both? (Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite) Yes No

If Yes:

- i. What is the purpose of the excavation or dredging? _____
- ii. How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site?
 - Volume (specify tons or cubic yards): _____
 - Over what duration of time? _____
- iii. Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them. _____
- iv. Will there be onsite dewatering or processing of excavated materials? Yes No
If yes, describe. _____
- v. What is the total area to be dredged or excavated? _____ acres
- vi. What is the maximum area to be worked at any one time? _____ acres
- vii. What would be the maximum depth of excavation or dredging? _____ feet
- viii. Will the excavation require blasting? Yes No
- ix. Summarize site reclamation goals and plan: _____

b. Would the proposed action cause or result in alteration of, increase or decrease in size of, or encroachment into any existing wetland, waterbody, shoreline, beach or adjacent area?

Yes No

If Yes:

- i. Identify the wetland or waterbody which would be affected (by name, water index number, wetland map number or geographic description): _____

ii. Describe how the proposed action would affect that waterbody or wetland, e.g. excavation, fill, placement of structures, or alteration of channels, banks and shorelines. Indicate extent of activities, alterations and additions in square feet or acres:

iii. Will proposed action cause or result in disturbance to bottom sediments? Yes No

If Yes, describe: _____

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

If Yes:

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

v. Describe any proposed reclamation/mitigation following disturbance: _____

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

If Yes:

i. Total anticipated water usage/demand per day: 780± gallons/day

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

If Yes:

- Name of district or service area: Consolidated 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

iii. Will line extension within an existing district be necessary to supply the project?

Yes No

If Yes:

- Describe extensions or capacity expansions proposed to serve this project: _____
- Source(s) of supply for the district: _____

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

If, Yes:

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

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

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

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

If Yes:

i. Total anticipated liquid waste generation per day: 800± gallons/day

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

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

If Yes:

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

- Do existing sewer lines serve the project site? Yes No
- Will line extension within an existing district be necessary to serve the project? Yes No

If Yes:

- Describe extensions or capacity expansions proposed to serve this project: _____

iv. Will a new wastewater (sewage) treatment district be formed to serve the project site? Yes No

If Yes:

- Applicant/sponsor for new district: _____
- Date application submitted or anticipated: _____
- What is the receiving water for the wastewater discharge? _____

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

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 sources (i.e. ditches, pipes, swales, curbs, gutters or other concentrated flows of stormwater) or non-point source (i.e. sheet flow) during construction or post construction? Yes No

If Yes:

i. How much impervious surface will the project create in relation to total size of project parcel?

_____ Square feet or _____ acres (impervious surface)

_____ Square feet or _____ acres (parcel size)

ii. Describe types of new point sources. _____

iii. Where will the stormwater runoff be directed (i.e. on-site stormwater management facility/structures, adjacent properties, groundwater, on-site surface water or off-site surface waters)?

- If to surface waters, identify receiving water bodies or wetlands: _____

- Will stormwater runoff flow to adjacent properties? Yes No

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

f. Does the proposed action include, or will it use on-site, one or more sources of air emissions, including fuel combustion, waste incineration, or other processes or operations? Yes No

If Yes, identify:

i. Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles)

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, or Federal Clean Air Act Title IV or Title V Permit? Yes No

If Yes:

i. Is the project site located in an Air quality non-attainment area? (Area routinely or periodically fails to meet ambient air quality standards for all or some parts of the year) Yes No

ii. In addition to emissions as calculated in the application, the project will generate:

- _____ Tons/year (short tons) of Carbon Dioxide (CO₂)
- _____ Tons/year (short tons) of Nitrous Oxide (N₂O)
- _____ Tons/year (short tons) of Perfluorocarbons (PFCs)
- _____ Tons/year (short tons) of Sulfur Hexafluoride (SF₆)
- _____ Tons/year (short tons) of Carbon Dioxide equivalent of Hydrofluorocarbons (HFCs)
- _____ Tons/year (short tons) of Hazardous Air Pollutants (HAPs)

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

If Yes:

- i. Estimate methane generation in tons/year (metric): _____
- ii. Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring): _____

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

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

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

If Yes:

- i. When is the peak traffic expected (Check all that apply): Morning Evening Weekend
 Randomly between hours of _____ to _____.
- ii. For commercial activities only, projected number of semi-trailer truck trips/day: _____
- iii. Parking spaces: Existing _____ Proposed _____ Net increase/decrease _____
- iv. Does the proposed action include any shared use parking? Yes No
- v. If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe: _____

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

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

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

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

If Yes:

- i. Estimate annual electricity demand during operation of the proposed action: _____
- ii. Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other): _____
- iii. Will the proposed action require a new, or an upgrade to, an existing substation? Yes No

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

i. During Construction:

- Monday - Friday: 7:00 AM-3:30 PM
- Saturday: _____
- Sunday: _____
- Holidays: _____

ii. During Operations:

- Monday - Friday: _____
- Saturday: _____
- Sunday: _____
- Holidays: _____

m. Will the proposed action produce noise that will exceed existing ambient noise levels during construction, operation, or both? Yes No

If yes:

i. Provide details including sources, time of day and duration: _____

ii. Will proposed action remove existing natural barriers that could act as a noise barrier or screen? Yes No

Describe: _____

n. Will the proposed action have outdoor lighting? Yes No

If yes:

i. Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures: _____

ii. Will proposed action remove existing natural barriers that could act as a light barrier or screen? Yes No

Describe: _____

o. Does the proposed action have the potential to produce odors for more than one hour per day? Yes No

If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures: _____

p. Will the proposed action include any bulk storage of petroleum (combined capacity of over 1,100 gallons) or chemical products 185 gallons in above ground storage or any amount in underground storage? Yes No

If Yes:

i. Product(s) to be stored _____

ii. Volume(s) _____ per unit time _____ (e.g., month, year)

iii. Generally describe proposed storage facilities: _____

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

If Yes:

i. Describe proposed treatment(s): _____

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

r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)? Yes No

If Yes:

i. Describe any solid waste(s) to be generated during construction or operation of the facility:

- Construction: _____ tons per _____ (unit of time)
- Operation : _____ tons per _____ (unit of time)

ii. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste:

- Construction: _____
- Operation: _____

iii. Proposed disposal methods/facilities for solid waste generated on-site:

- Construction: _____
- Operation: _____

s. Does the proposed action include construction or modification of a solid waste management facility? Yes No

If Yes:

i. Type of management or handling of waste proposed for the site (e.g., recycling or transfer station, composting, landfill, or other disposal activities): _____

ii. Anticipated rate of disposal/processing:

- _____ Tons/month, if transfer or other non-combustion/thermal treatment, or
- _____ Tons/hour, if combustion or thermal treatment

iii. If landfill, anticipated site life: _____ years

t. Will proposed action at the site involve the commercial generation, treatment, storage, or disposal of hazardous waste? Yes No

If Yes:

i. Name(s) of all hazardous wastes or constituents to be generated, handled or managed at facility: _____

ii. Generally describe processes or activities involving hazardous wastes or constituents: _____

iii. Specify amount to be handled or generated _____ tons/month

iv. Describe any proposals for on-site minimization, recycling or reuse of hazardous constituents: _____

v. Will any hazardous wastes be disposed at an existing offsite hazardous waste facility? Yes No

If Yes: provide name and location of facility: _____

If No: describe proposed management of any hazardous wastes which will not be sent to a hazardous waste facility: _____

E. Site and Setting of Proposed Action

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

a. Existing land uses.

i. Check all uses that occur on, adjoining and near the project site.

- Urban Industrial Commercial Residential (suburban) Rural (non-farm)
 Forest Agriculture Aquatic Other (specify): _____

ii. If mix of uses, generally describe: _____

b. Land uses and covertypes on the project site.

Land use or Covertypes	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces	0	0.3±	0.3±
• Forested	2.2±	1.0±	1.2±
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	0.6±	1.0±	1.0±
• 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: _____			

as the project site presently used by members of the community for public recreation? Yes No

i. If Yes: explain: _____

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

If Yes,

i. Identify Facilities: _____

e. Does the project site contain an existing dam? Yes No

If Yes:

i. Dimensions of the dam and impoundment:

- Dam height: _____ feet
- Dam length: _____ feet
- Surface area: _____ acres
- Volume impounded: _____ gallons OR acre-feet

ii. Dam's existing hazard classification: _____

iii. Provide date and summarize results of last inspection: _____

f. Has the project site ever been used as a municipal, commercial or industrial solid waste management facility, or does the project site adjoin property which is now, or was at one time, used as a solid waste management facility? Yes No

If Yes:

i. Has the facility been formally closed? Yes No

- If yes, cite sources/documentation: _____

ii. Describe the location of the project site relative to the boundaries of the solid waste management facility: _____

iii. Describe any development constraints due to the prior solid waste activities: _____

g. Have hazardous wastes been generated, treated and/or disposed of at the site, or does the project site adjoin property which is now or was at one time used to commercially treat, store and/or dispose of hazardous waste? Yes No

If Yes:

i. Describe waste(s) handled and waste management activities, including approximate time when activities occurred: _____

h. Potential contamination history. Has there been a reported spill at the proposed project site, or have any remedial actions been conducted at or adjacent to the proposed site? Yes No

If Yes:

i. Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site Remediation database? Check all that apply: Yes No

<input type="checkbox"/> Yes – Spills Incidents database	Provide DEC ID number(s): _____
<input type="checkbox"/> Yes – Environmental Site Remediation database	Provide DEC ID number(s): _____
<input type="checkbox"/> Neither database	

ii. If site has been subject of RCRA corrective activities, describe control measures: _____

iii. Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database? Yes No

If yes, provide DEC ID number(s): _____

iv. If yes to (i), (ii) or (iii) above, describe current status of site(s): _____

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

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

E.2. Natural Resources On or Near Project Site

a. What is the average depth to bedrock on the project site? 8± feet

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

c. Predominant soil type(s) present on project site: MdC-gravelly silt loam 100 %
 _____ %
 _____ %

d. What is the average depth to the water table on the project site? Average: 7± feet

e. Drainage status of project site soils: Well Drained: _____ % of site
 Moderately Well Drained: 100 % of site
 Poorly Drained: _____ % of site

f. Approximate proportion of proposed action site with slopes: 0-10%: 90± % of site
 10-15%: 10± % of site
 15% or greater: _____ % of site

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

h. Surface water features.

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

ii. Do any wetlands or other waterbodies adjoin the project site? Yes No

If Yes to either i or ii, continue. If No, skip to E.2.i.

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

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

- Streams: Name _____ Classification _____
- Lakes or Ponds: Name _____ Classification _____
- Wetlands: Name _____ Approximate Size _____
- 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 No

If yes, name of impaired water body/bodies and basis for listing as impaired: _____

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

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

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

l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer? Yes No

If Yes:

i. Name of aquifer: _____

m. Identify the predominant wildlife species that occupy or use the project site: _____

n. Does the project site contain a designated significant natural community? Yes No
 If Yes:
 i. Describe the habitat/community (composition, function, and basis for designation): _____

 ii. Source(s) of description or evaluation: _____
 iii. Extent of community/habitat:
 • Currently: _____ acres
 • Following completion of project as proposed: _____ acres
 • Gain or loss (indicate + or -): _____ acres

o. Does project site contain any species of plant or animal that is listed by the federal government or NYS as endangered or threatened, or does it contain any areas identified as habitat for an endangered or threatened species? Yes No

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

q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? Yes 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 Agriculture and Markets Law, Article 25-AA, Section 303 and 304? Yes No
 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 Natural Landmark? Yes No
 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: _____

d. Is the project site located in or does it adjoin a state listed Critical Environmental Area? Yes No
 If Yes:
 i. CEA name: Chadwick Lake Reservoir
 ii. Basis for designation: Town of Newburgh water supply reservoir; Development threat to health
 iii. Designating agency and date: Town of Newburgh Town Board-before 1990(5-21-87)

e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on, or has been nominated by the NYS Board of Historic Preservation for inclusion on, the State or National Register of Historic Places? Yes No

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: _____

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? Yes No

If Yes:

i. Describe possible resource(s): _____

ii. Basis for identification: _____

h. Is the project site within five miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource? Yes No

If Yes:

i. Identify resource: _____

ii. Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): _____

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? Yes No

If Yes:

i. Identify the name of the river and its designation: _____

ii. Is the activity consistent with development restrictions contained in 6NYCRR Part 666? Yes No

F. Additional Information

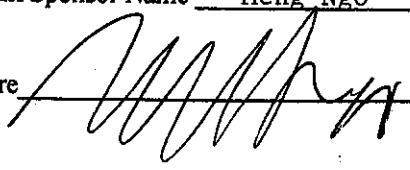
Attach any additional information which may be needed to clarify your project.

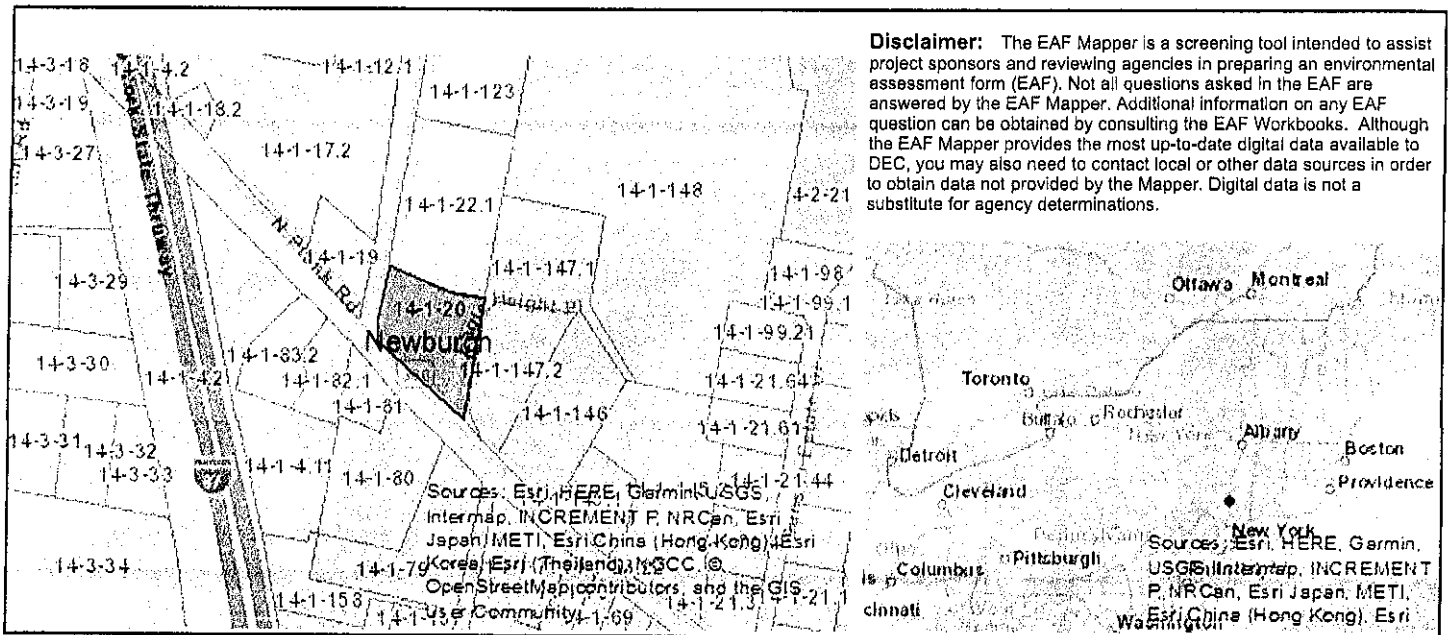
If you have identified any adverse impacts which could be associated with your proposal, please describe those impacts plus any measures which you propose to avoid or minimize them.

G. Verification

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

Applicant/Sponsor Name Meng Ngo Date 9/25/18

Signature  Title Applicant/Owner



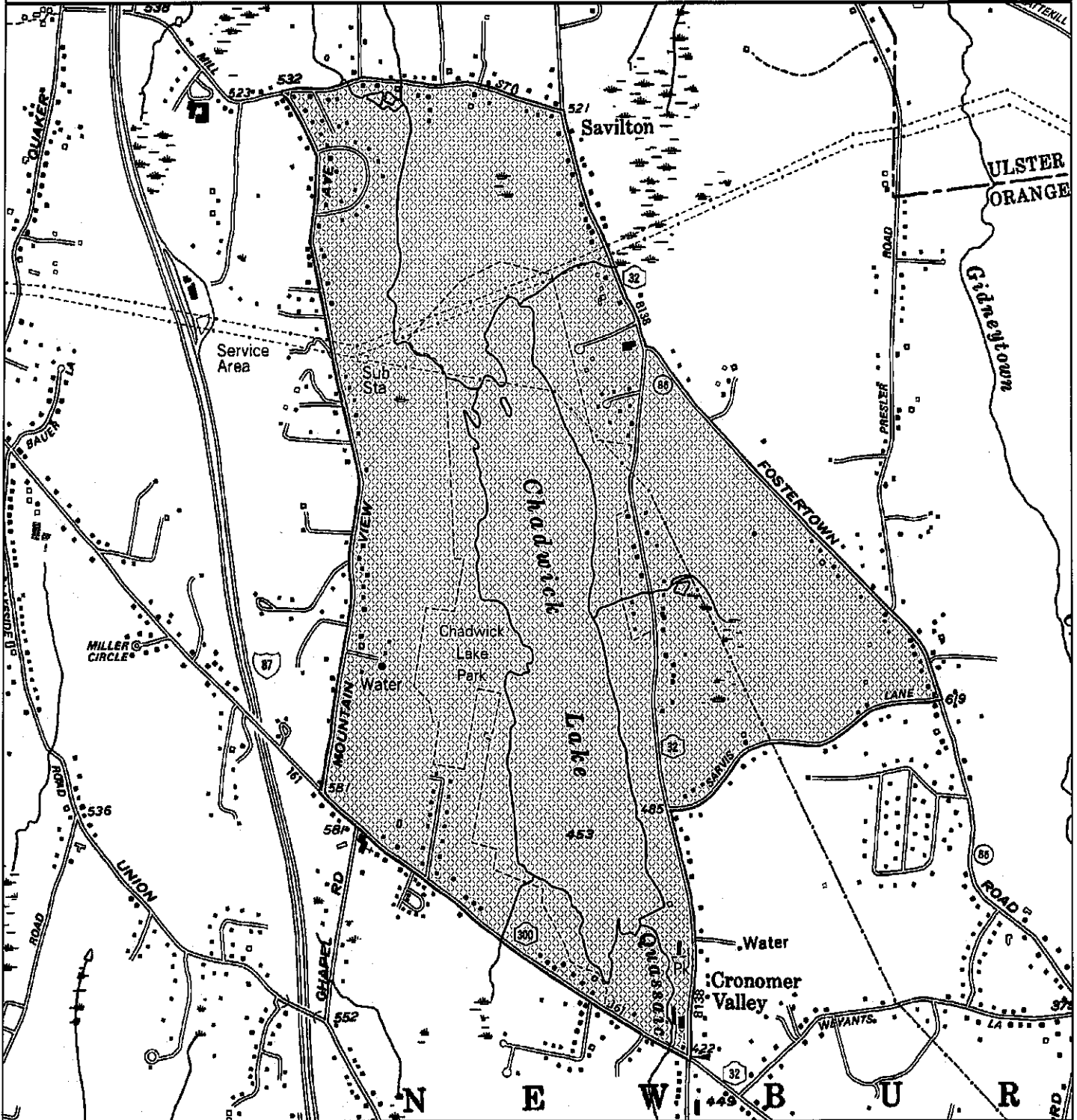
B.i.i [Coastal or Waterfront Area]	No
B.i.ii [Local Waterfront Revitalization Area]	No
C.2.b. [Special Planning District]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h [DEC Spills or Remediation Site - Potential Contamination History]	Digital mapping data are 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.ii [DEC Spills or Remediation Site - Environmental Site Remediation Database]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.iii [Within 2,000' of DEC Remediation Site]	No
E.2.g [Unique Geologic Features]	No
E.2.h.i [Surface Water Features]	No
E.2.h.ii [Surface Water Features]	Yes
E.2.h.iii [Surface Water Features]	Yes - Digital mapping information on local and federal wetlands and waterbodies is known to be incomplete. Refer to EAF Workbook.
E.2.h.v [Impaired Water Bodies]	No
E.2.i. [Floodway]	No
E.2.j. [100 Year Floodplain]	No
E.2.k. [500 Year Floodplain]	No
E.2.l. [Aquifers]	No
E.2.n. [Natural Communities]	No
E.2.o. [Endangered or Threatened Species]	No
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]	Yes No
E.3.d [Critical Environmental Area - Name]	Chadwick Lake Reservoir
E.3.d.ii [Critical Environmental Area - Reason]	Development threat to public health
E.3.d.iii [Critical Environmental Area – Date and Agency]	Agency:Newburgh, Town of, Date:5-21-87
E.3.e. [National Register of Historic Places]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.3.f. [Archeological Sites]	No
E.3.i. [Designated River Corridor]	No

Chadwick Lake Reservoir Environs Critical Environmental Area (CEA)

Effective Date of Designation: 5-21-87

Designating Agency: Town of Newburgh



Legend

 Chadwick Lake Reservoir Environs CEA

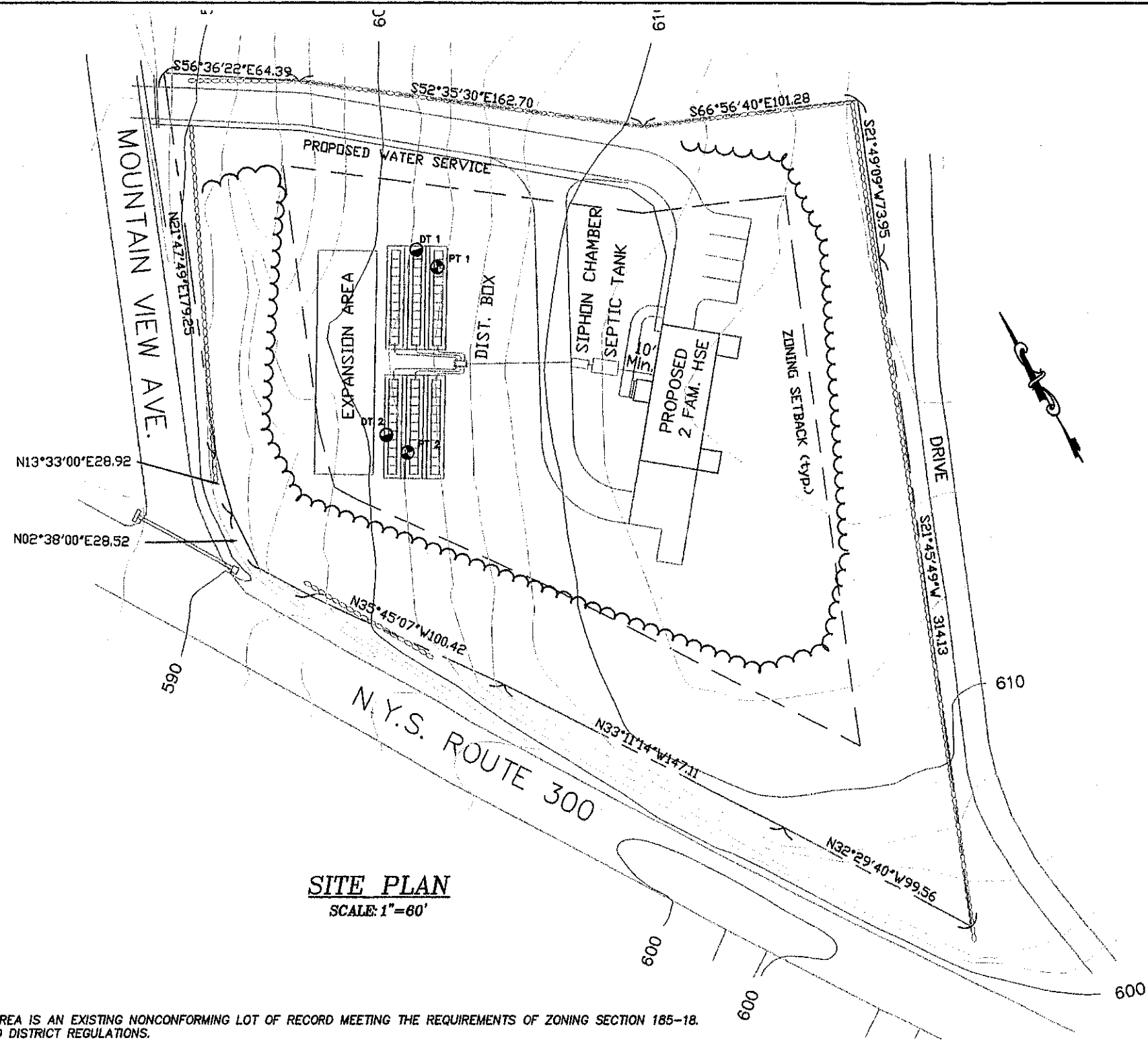
Base Map: DOT 1:24,000 Planimetric Images

Disclaimer: This map was prepared by the New York State Department of Environmental Conservation using the most current data available. It is deemed accurate but is not guaranteed. NYS DEC is not responsible for any inaccuracies in the data. Please contact the designating authority for additional information regarding legal boundary descriptions.



1 inch equals 1,750 feet





LOCATION PLAN
SCALE: 1" = 2000"

SITE PLAN
SCALE: 1" = 60'

NOTES:

- 1 TAX MAP DESIGNATION SECTION 14 BLOCK 1 LOT 20
LOT AREA 2.2 ACRES
- OWNER: MENG NGO
845 ROUTE 300, 2A
NEWBURGH, NEW YORK 12550
- 2 PROPERTY BOUNDARY SHOWN IS FROM A FIELD SURVEY BY
GREVAS & HILDRETH, PC. DATED 6 SEPT. 2002.
- 3 WATER SUPPLY BY MUNICIPAL SYSTEM

* PROPOSED AREA IS AN EXISTING NONCONFORMING LOT OF RECORD MEETING THE REQUIREMENTS OF ZONING SECTION 185-18.
EXCEPTIONS TO DISTRICT REGULATIONS.

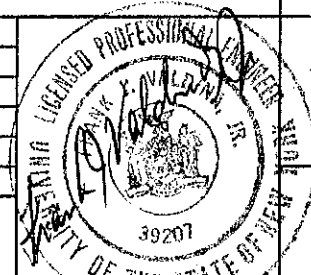
ZONING TABLE
ZONE AR - 2 FAMILY DWELLINGS

	MIN. REQUIREMENTS	PROPOSED
LOT AREA (SF)	100,000	95,431*
LOT WIDTH (FT.)	150	321±
LOT DEPTH (FT.)	150	345±
YARD (FT.): FRONT/REAR/SIDE/BOTH SIDES	50/40/30/80	195/121/92/69±
BUILDING HEIGHT	35	TO CODE

DIG SAFE NOTE:
UTILITIES ARE PLOTTED FROM FIELD LOCATION AND ANY RECORD INFORMATION AVAILABLE, AND SHOULD BE CONSIDERED APPROXIMATE. OTHER UTILITIES MAY EXIST WHICH ARE NOT EVIDENT OR FOR WHICH RECORD INFORMATION WAS NOT AVAILABLE. CONTRACTORS MUST CONTACT ALL UTILITY COMPANIES BEFORE EXCAVATING AND DRILLING. ALSO, CALL "DIG SAFELY NEW YORK" AT 1 (800) 952-7982. WEBSITE: WWW.DIGSAFELYNEWYORK.COM

NO.	DATE	DESCRIPTION	BY

UNAUTHORIZED ADDITION OR ALTERATION OF THIS PLAN IS A VIOLATION OF SECTION 7209(2) OF THE NEW YORK STATE EDUCATION LAW.

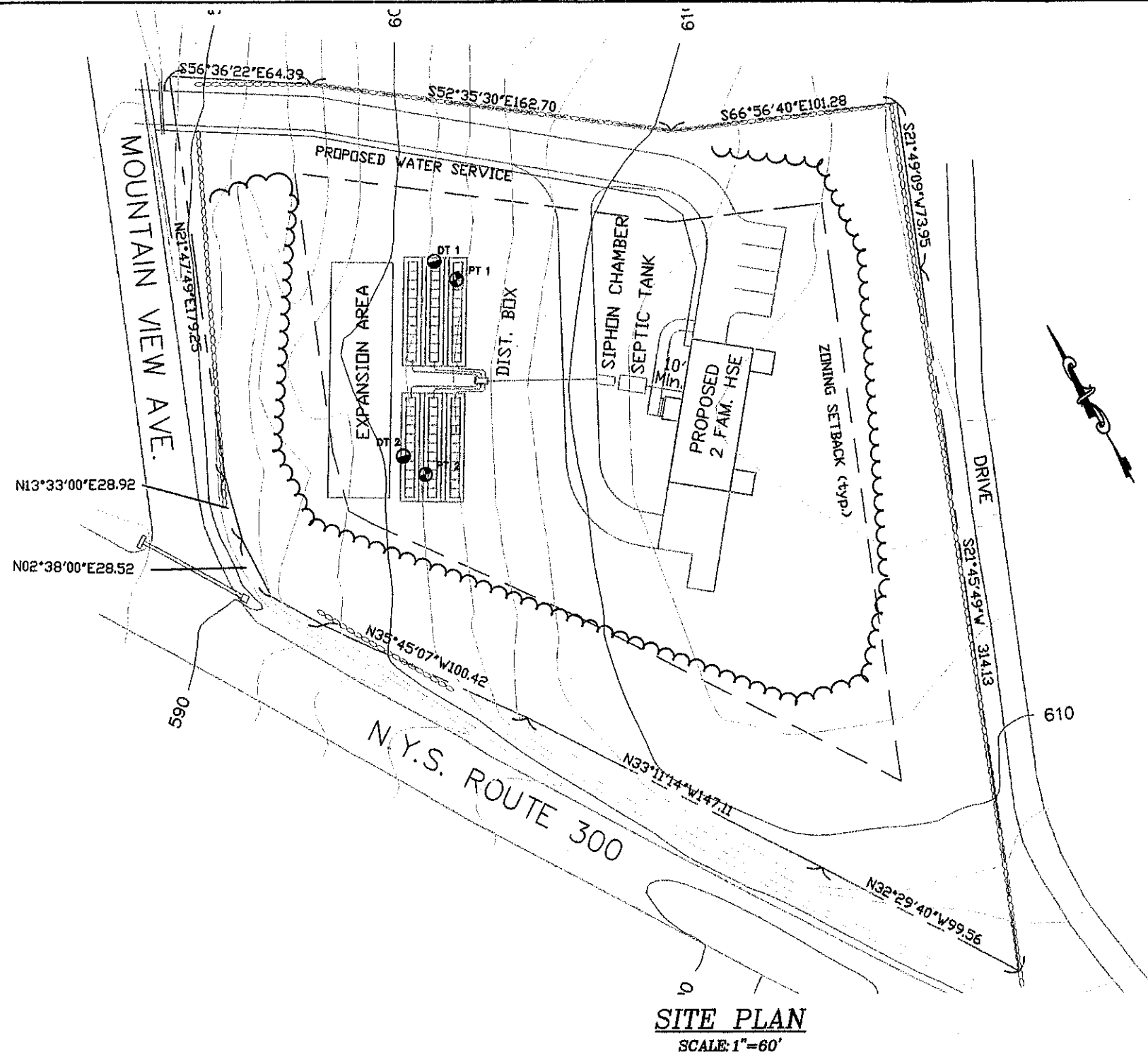


Lands of Ngo
SECT. 17 BLK. 1 LOT 20
TOWN OF NEWBURGH ~ DRANGE CO. ~ NEW YORK

VALDINA CONSULTING ENGINEERS
4 PLEASANT VIEW AVE., NEWBURGH, N.Y.
PHONE: (845) 565-4447 FAX: (845) 565-4428

SITE PLAN

SCALE: 1" = 60'
DATE: 01/12/2019
DR. BY: CMM
SHEET: 1 OF 3



SITE PLAN
SCALE: 1"=60'

NOTES:

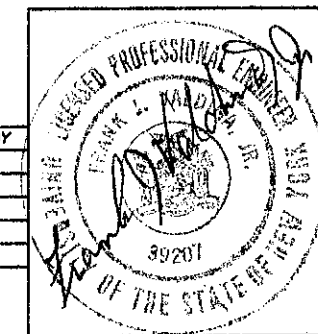
- 1 THE DESIGN AND LOCATION OF SANITARY FACILITIES (WATER AND SEWER SYSTEMS) SHALL NOT BE CHANGED.
- 2 THERE ARE NO WELLS WITHIN 100' (200' DOWN GRADE IN THE GENERAL LINE OF DRAINAGE) OF THE SEWER TREATMENT SYSTEM.
- 3 TRENCHES SHALL NOT BE INSTALLED IN WET SOIL. THE SIDES AND BOTTOM OF TRENCHES MUST BE RAKED. THE ENDS OF THE LATERALS MUST BE CAPPED.
- 4 THERE SHALL BE NO REGRADING, EXCEPT AS SHOWN ON THE APPROVED PLANS, IN THE AREA OF THE ABSORPTION FIELDS.
- 5 HEAVY EQUIPMENT SHALL BE KEPT OFF THE AREA OF THE ABSORPTION FIELD EXCEPT DURING THE ACTUAL CONSTRUCTION. THERE SHALL BE NO UNNECESSARY MOVEMENT OF CONSTRUCTION EQUIPMENT IN THE ABSORPTION FIELD AREA BEFORE, DURING, OR AFTER CONSTRUCTION. EXTREME CARE MUST BE TAKEN DURING THE ACTUAL CONSTRUCTION SO AS TO AVOID ANY UNDUE COMPACTION THAT COULD RESULT IN A CHANGE OF THE ABSORPTION CAPACITY OF THE SOIL ON WHICH THE DESIGN WAS BASED.
- 6 NO SWIMMING POOLS, DRIVEWAYS, OR STRUCTURES THAT MAY COMPACT THE SOIL SHALL BE LOCATED OVER ANY PORTION OF THE ABSORPTION FIELD.
- 7 THIS SYSTEM WAS NOT DESIGNED TO ACCOMMODATE GARBAGE GRINDERS, JACUZZI TYPE SPA TUBS OVER 100 GALLONS, OR WATER CONDITIONERS. AS SUCH THESE ITEMS SHALL NOT BE INSTALLED UNLESS THE SYSTEM IS REDESIGNED TO ACCOUNT FOR THEM AND REAPPROVED.
- 8 THERE MUST BE AN UNINTERRUPTED POSITIVE SLOPE FROM THE SEPTIC TANK (OR ANY PUMPING DISCHARGE OR DOSING CHAMBER) THROUGH THE STACK VENT.
- 9 THE OWNER/APPLICANT SHALL BE PROVIDED WITH A COPY OF THE APPROVED PLANS AND AN ACCURATE RECORD DRAWING OF ANY EXISTING SANITARY FACILITIES. THE OWNER/APPLICANT SHALL ALSO BE ADVISED OF ANY ROUTINE OR SPECIAL MAINTENANCE PROCEDURES THAT MAY BE NECESSARY.
- 10 INDIVIDUAL WELLS AND SEWAGE DISPOSAL SYSTEMS SHALL NO LONGER BE CONSTRUCTED OR USED WHEN PUBLIC FACILITIES BECOME AVAILABLE. CONNECTION TO THE PUBLIC SEWER SYSTEM IS REQUIRED WITHIN 1 YEAR OF AVAILABILITY.
- 11 A NEW YORK STATE LICENSED PROFESSIONAL ENGINEER SHALL INSPECT THE SANITARY FACILITIES AT THE TIME OF CONSTRUCTION. THE ENGINEER SHALL CERTIFY TO THE LOCAL CODE ENFORCEMENT OFFICER THAT THE FACILITIES HAVE BEEN INSTALLED IN ACCORDANCE WITH THE APPROVED PLANS AND FURNISH A RECORD DRAWING PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY.
- 12 THE SDS SYSTEM DEPICTED HERE IS IN ACCORDANCE WITH OCHD DESIGN POLICY & STANDARDS - APPENDIX 75-A & 2012 DESIGN HANDBOOK.
- 13 SYSTEM COMPONENTS SHALL BE INSTALLED IN STRICT CONFORMANCE WITH THE ELJEN CORPORATION NEW YORK DESIGN AND INSTALLATION MANUAL REV. JUNE 2014.

DESIGN DATA

	NO.	RUN A	RUN B	RUN C	RUN B	
PERC TEST	04/20/18	1	19 min.	32 min.	32 min.	32 min.
PERC TEST	04/20/18	2	33 min.	32 min.	33 min.	
DEEP TEST 1	04/20/18	DEEP TEST 2				04/20/18
0'-6" DK BRN. TOPSOIL/Organics		0'-4" DK BRN. TOPSOIL				
36"-66" LT. BRN. SANDY LOAM		4"-36" LT. BRN. SANDY LOAM W/ TR. FINE SAND				
46"-66" DK BRN. LOAM		36"-66" BRN. SANDY LOAM W/ TR. SILT				
NO WATER		NO WATER				
NO BED ROCK		NO BED ROCK				
DESIGN RATE (min.)		31-45				
NO. OF BEDROOMS		6				
DESIGN FLOWS (gpd)		660				
REQ. SEPTIC TANK CAPACITY (gal.)		1,750				
DESIGN SEPTIC TANK CAPACITY (gal.)		2,000				
REQ. LENGTH OF ABSORPTION TRENCH (ft.) *		280				
DESIGN LENGTH OF ABSORPTION TRENCH (ft.)		284				
DESIGN LENGTH OF EXPANSION AREA (ft.)		284				

* Design Application Rate: 0.5 g/ef
 Effective Leaching Area 6.0 sf/lf of ELGEN GSF Units
 $780 \text{ gpd} / (0.5 \times 6.0) = 260 \text{ lf}$ (REQUIRED)
 TOTAL NUMBER OF ELGEN B43 UNITS REQUIRED: $260' / 4' / \text{UNIT} = 65 \text{ UNITS}$
 TOTAL NUMBER NO. ELGEN B43 UNITS DESIGNED: 66 (6 ROWS OF 11 UNITS EACH)

NO.	DATE	DESCRIPTION	BY



Lands of Ngo
 SECT. 17 BLK. 1 LOT 20
 TOWN OF NEWBURGH - ORANGE CO. - NEW YORK

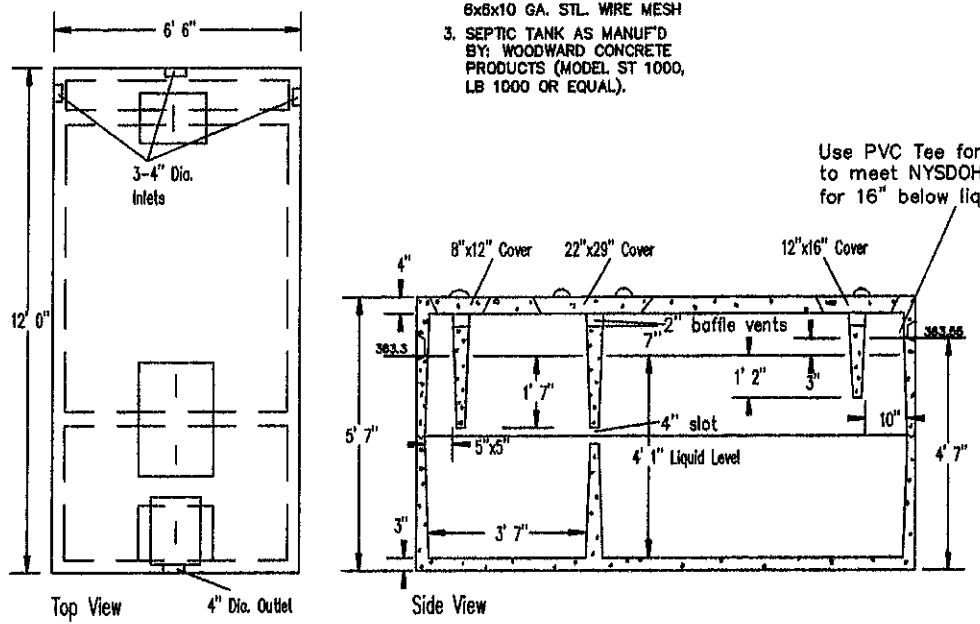
VALDINA CONSULTING ENGINEERS
 4 PLEASANT VIEW AVE., NEWBURGH, N.Y.
 PHONE: (845) 565-4447 FAX: (845) 565-4428

SEPTIC SYSTEM DESIGN

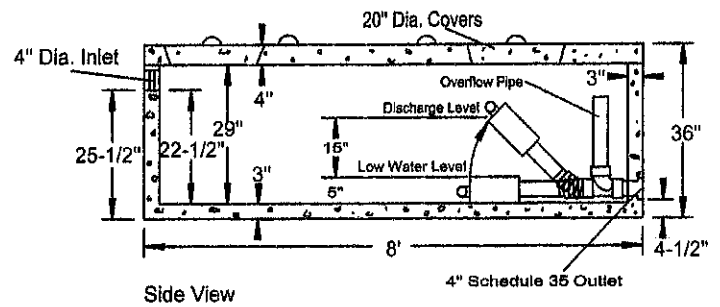
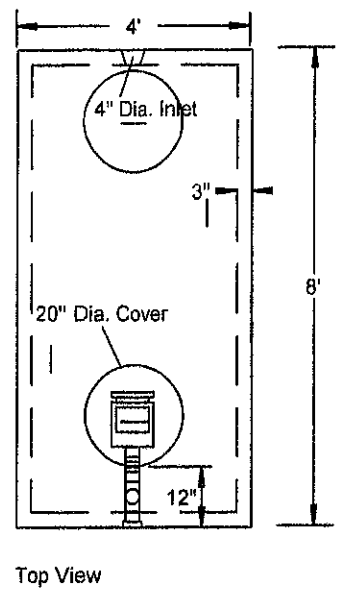
SCALE: AS SHOWN
 DATE: 01/12/19
 DR. BY: CHM
 SHEET: 2 OF 3

UNAUTHORIZED ADDITION OR ALTERATION OF THIS PLAN IS A VIOLATION OF SECTION 7209(2) OF THE NEW YORK STATE EDUCATION LAW.

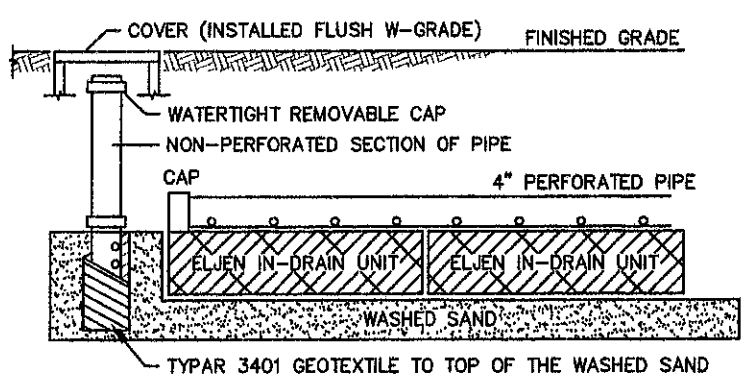
1. CONCRETE STRENGTH TO BE 4000 P.S.I. AT 28 DAYS.
2. STEEL REINFORCEMENT 6x6x10 GA. STL. WIRE MESH
3. SEPTIC TANK AS MANUF'D BY: WOODWARD CONCRETE PRODUCTS (MODEL ST 1000, LB 1000 OR EQUAL).



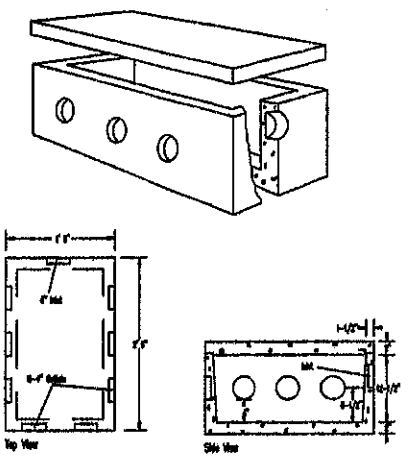
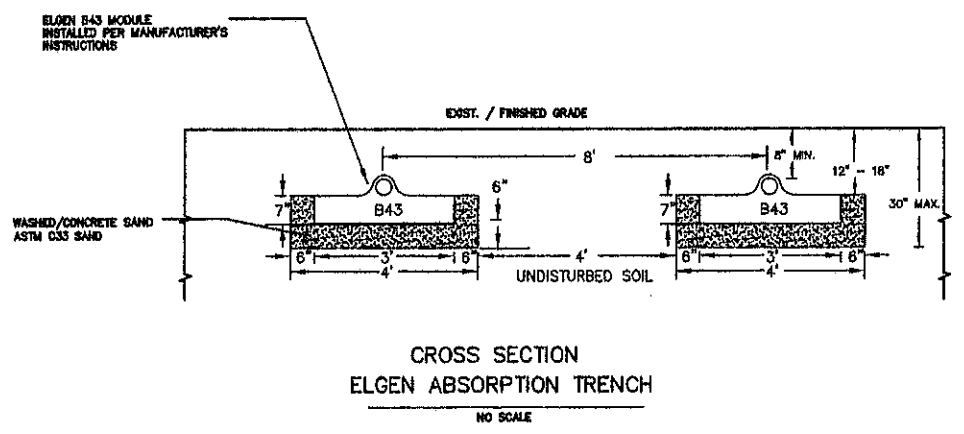
1. CONCRETE STRENGTH TO BE 4000 P.S.I. AT 28 DAYS.
2. STEEL REINFORCEMENT 6x6x10 GA. STL. WIRE MESH
3. DOSING CHAMBER AS MANUF'D BY: WOODWARD CONCRETE PRODUCTS (MODEL DC 4 X 8 OR EQUAL)
4. FLOUT SIPHON AS MANUFACTURED BY RISSY PLASTICS
5. PIPE CONNECTION: POLYLOC SEAL & SDR 35 COUPLER



2000 GALLON SEPTIC TANK
NO SCALE



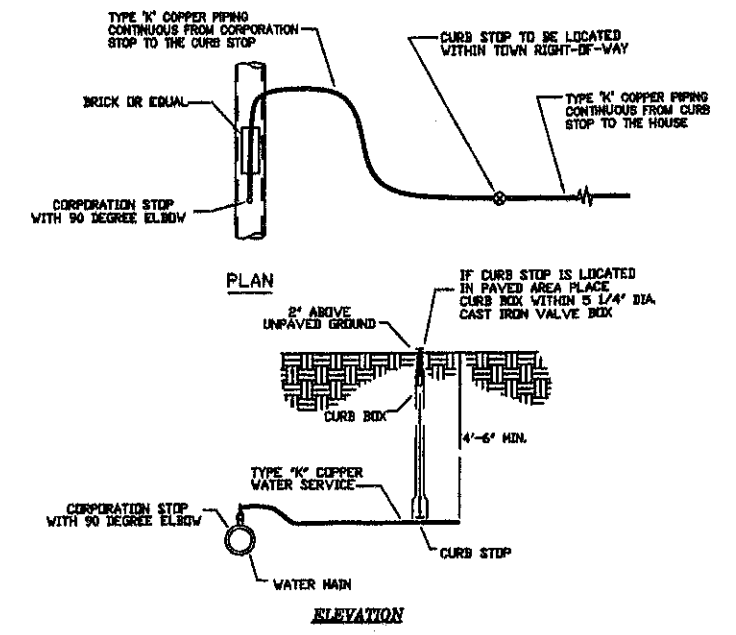
OBSERVATION PORT DETAIL
NO SCALE



NOTE:
UNUSED LATERAL HOLES TO REMAIN PLUGGED

DISTRIBUTION BOX DETAIL
NO SCALE

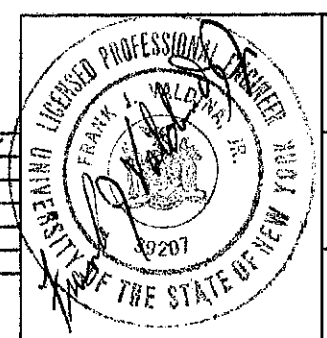
NOTES:
CONCRETE-4000 PSI @ 28 DAYS
DIST. BOX MANUFACTURED BY WOODARDS CONG. PRODUCTS, INC. MODEL NO. DB 9 OR EQUIVALENT.



WATER SERVICE DETAIL
NO SCALE

NO.	DATE	DESCRIPTION	BY

UNAUTHORIZED ADDITION OR ALTERATION OF THIS PLAN IS A VIOLATION OF SECTION 7209(2) OF THE NEW YORK STATE EDUCATION LAW.

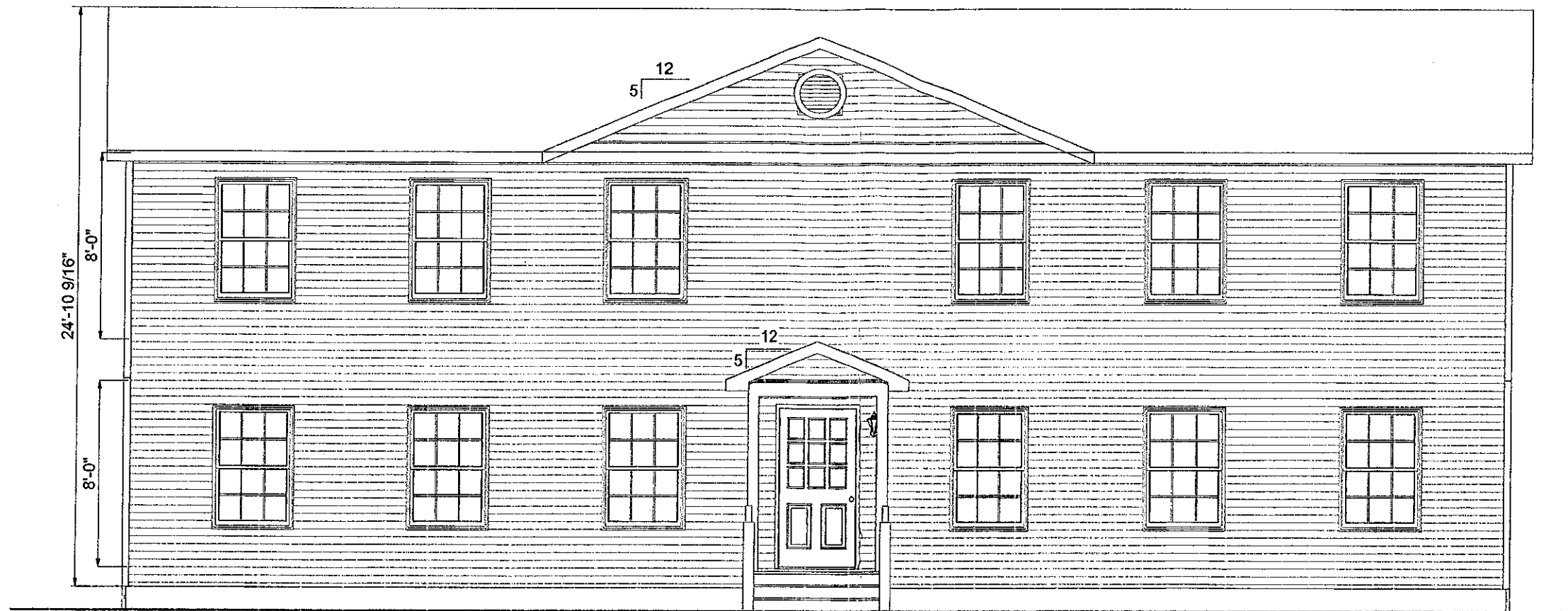


Lands of Ngo
SECT. 17 BLK. 1 LOT 20
TOWN OF NEWBURGH - ORANGE CO. - NEW YORK

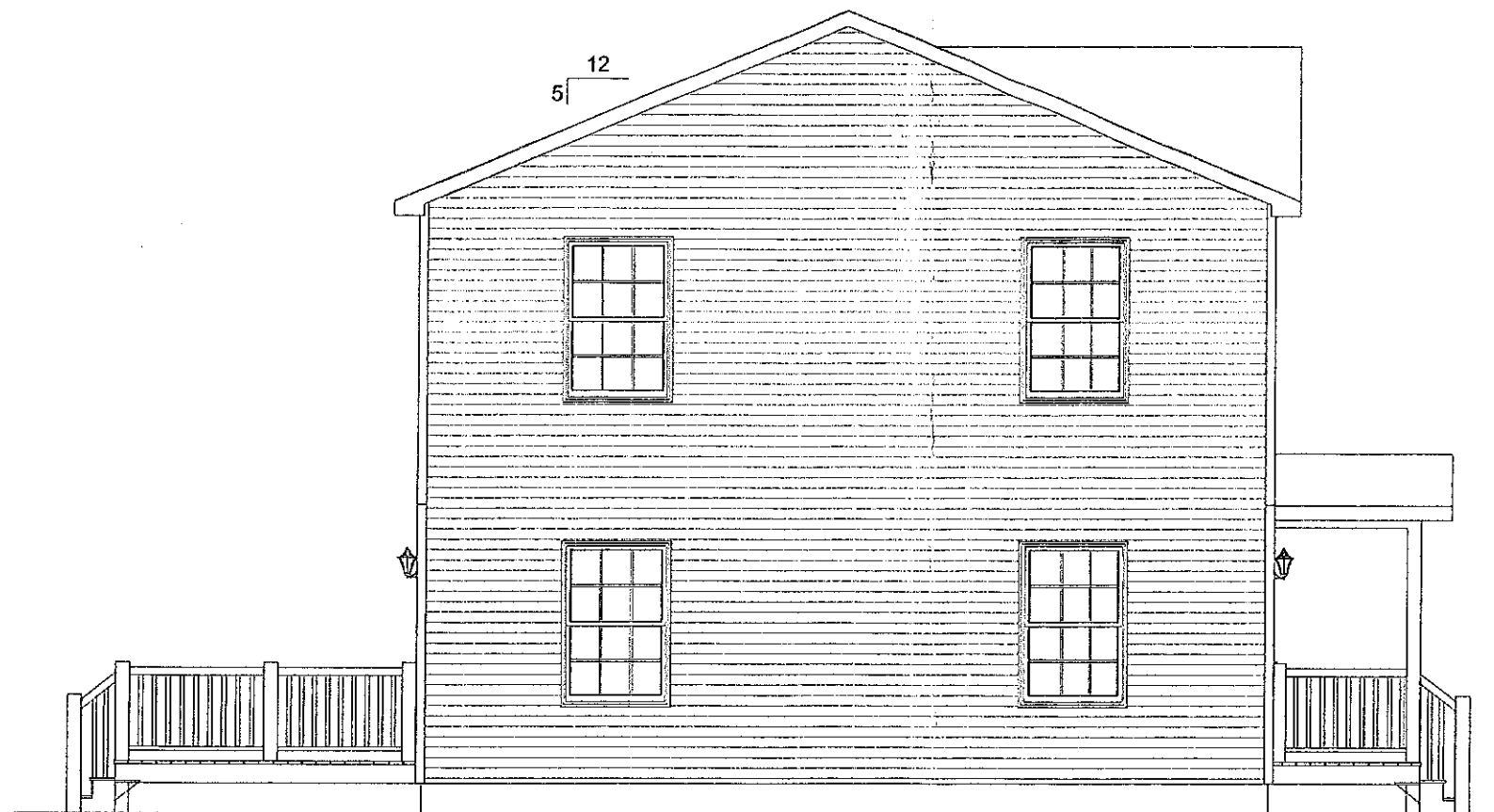
VALDINA CONSULTING ENGINEERS
4 PLEASANT VIEW AVE., NEWBURGH, N.Y.
PHONE: (845) 565-4447 FAX: (845) 565-4428

SEPTIC SYSTEM DESIGN

SCALE: AS SHOWN
DATE: 01/12/19
DR. BY: CMM
SHEET: 2 OF 3



FRONT ELEVATION

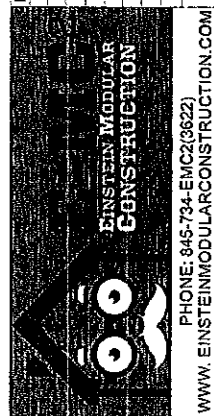


LEFT ELEVATION

Disclaimer:

Floor plans & renderings shown are conceptual and may vary from plans and specifications. Due to continuous product development and improvement, prices, specifications and materials are subject to change without notice or obligation. Square footage and other dimensions are approximate. Square footage includes the staircase area for both levels on two-story models. Included images are artist renderings and are not intended to be an accurate representation of the home. Renderings and floor plans may be shown with features and/or third-party additions that may not be available in all regions or situations.

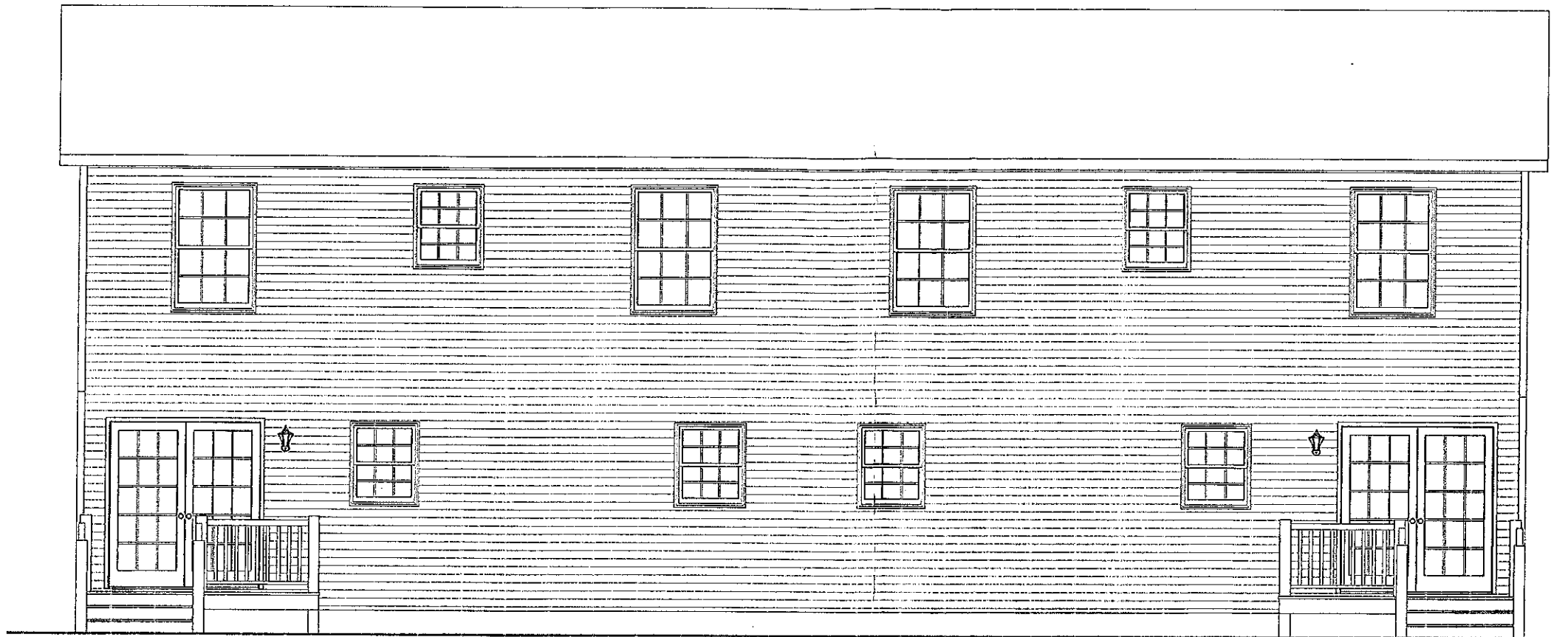
SERIAL #:	
2nd CLG HT:	TRUSS TYPE:
1st CLG HT:	ROOF PITCH:
REASON FOR REVISION:	HEAT:
DATE: 09/25/2018	WIND SPEED (MPH):
REVISION: 1	DATE: 01/05/2018
BY:	SCALE: N.T.S.
DRAWN BY:	GROUND SNOW (LB):



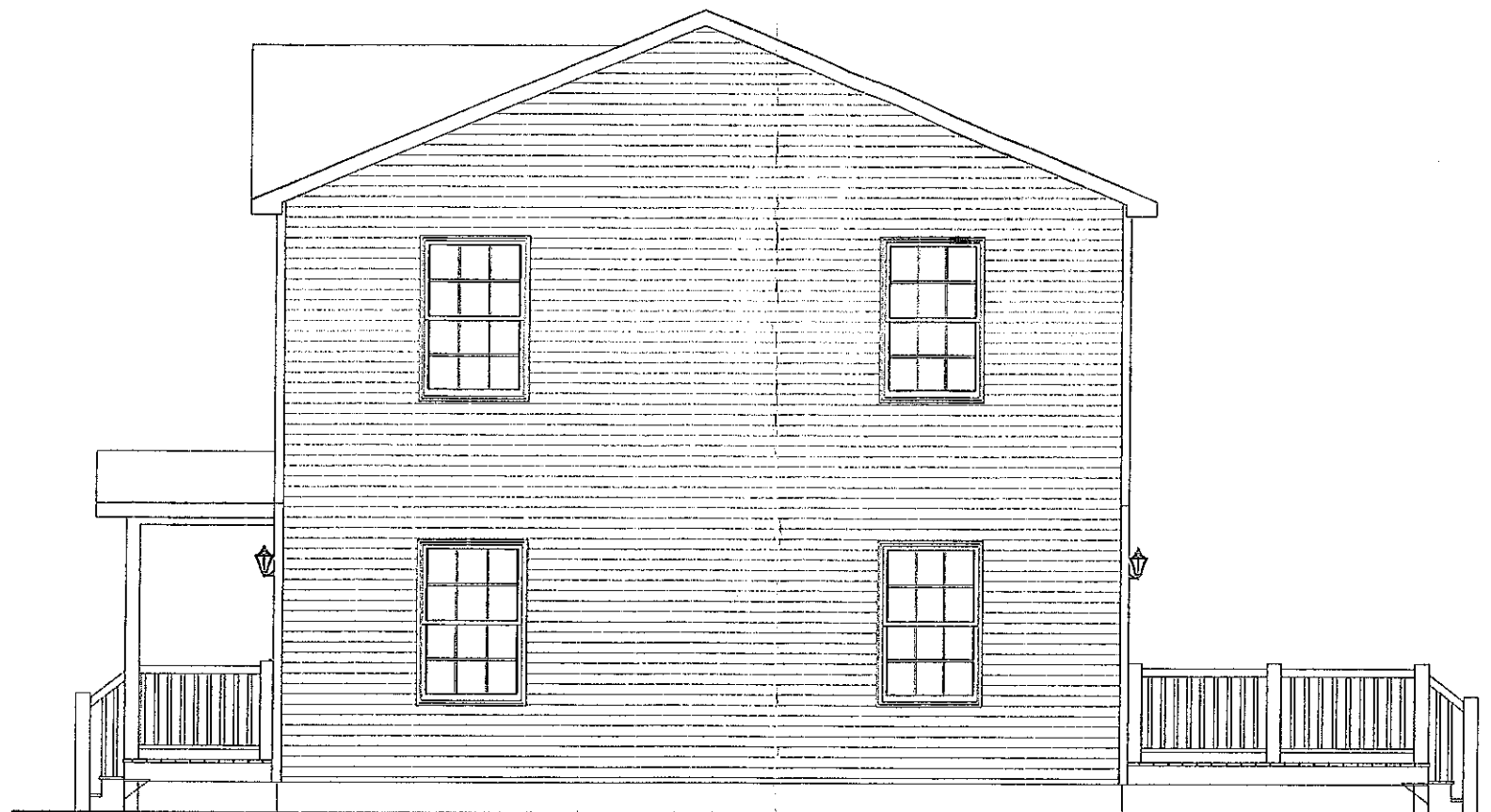
PHONE: 845-734-EMC2(3622)
WWW.EINSTEINMODULARCONSTRUCTION.COM

CUSTOMER: MENG	STATE:
ADDRESS:	NEWBURG, NY
SALES PERSON:	

MODEL:
DRAWING: ELEVATIONS
SHEET: 3




REAR ELEVATION

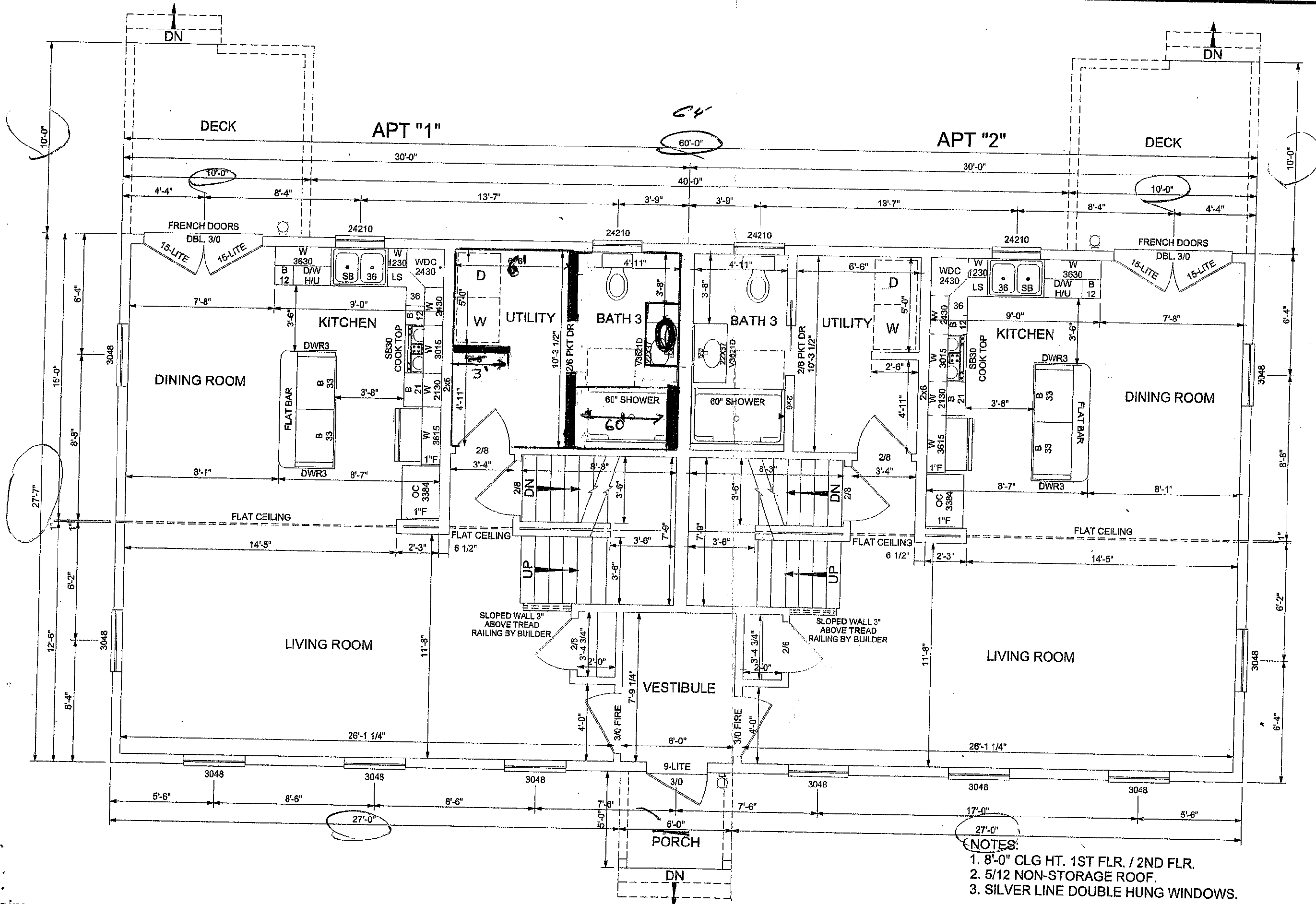


RIGHT ELEVATION

Disclaimer:

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SERIAL #:	
2nd CLG HT:	TRUSS TYPE:
1st CLG HT:	ROOF PITCH:
REASON FOR REVISION:	HEAT:
DATE: 08/25/2018	WIND SPEED (MPH):
REVISION: 1	DATE: 01/05/2018
BY:	SCALE: N.T.S.
DRAWN BY:	
 EINSTEIN MODULAR CONSTRUCTION PHONE: 845-734-EMC2(3622) WWW.EINSTEINMODULARCONSTRUCTION.COM	
CUSTOMER: MENG	STATE:
ADDRESS:	NEWBURG, NY
SALES PERSON:	
MODEL:	
DRAWING:	ELEVATIONS
SHEET:	3A



- NOTES:**
1. 8'-0" CLG HT. 1ST FLR. / 2ND FLR.
 2. 5/12 NON-STORAGE ROOF.
 3. SILVER LINE DOUBLE HUNG WINDOWS.

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SERIAL #:	
2nd CLG HT:	TRUSS TYPE:
1st CLG HT:	ROOF PITCH:
BY:	HEAT:
REASON FOR REVISION:	WIND SPEED (MPH):
DATE: 08/25/2018	DATE: 01/05/2018
REVISION: 1	SCALE: N.T.S.
DRAWN BY:	DATE: 01/05/2018
	
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CUSTOMER:	STATE:
MENG	NEWBURG, NY
ADDRESS:	
SALES PERSON:	
MODEL:	
DRAWING:	
FIRST FLOOR PLAN	
SHEET:	
2	