TOWN OF NEWBURGH
PLANNING BOARD
TECHNICAL REVIEW COMMENTS

PROJECT NAME:	**FOREST PARK SUBDIVSION**
PROJECT NO.:	**2022-06**
PROJECT LOCATION:	**SECTION 1, BLOCK 1, LOT 12/ 231 FOREST RD.**
REVIEW DATE:	**11 MARCH 2022**
MEETING DATE:	**17 MARCH 2022**
PROJECT REPRESENTATIVE:	**TALCOTT ENGINEERING- CHARLIE BROWN, P.E.**

1. The Building Department has noted that the front yard setback from the County Highway has not been revised.

2. The plan has been revised to contain four (4) lots with proposed Lot 4 becoming a 27.09 acre parcel.

3. DEC validation block will be required to be signed.

4. Adjoiner's Notices will be sent out to the Applicants representative for mailing now that the lot count has been adjusted based on previous comments.

5. The subsurface sanitary sewer disposal system septic design criteria chart on Sheet 2 of 4 identifies three bedroom houses, however the flow rate is for four bedroom houses.

6. Deep tests on several of the sanitary sewer disposal systems identify mottling at less than 24 inches in the soil profile. This condition occurs on both Lots 3 & 4. Appendix 75A for shallow absorption trenches identifies site requirements, "these systems are used where there is at least 2 feet but less than 4 feet of usable soil and/or separation to boundary conditions". The Applicants Engineer are requested to evaluate this requirement with regard to the deep test results identified.

7. County DPW approval for the driveway access is required.

8. The Planning Board should consider circulation for Lead Agency for the project as County DPW and DEC will be involved agencies in the project.

Respectfully submitted,

MHE Engineering, D.P.C.

Patrick J. Hines
Principal
PJH/kbw

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March 8, 2022

Town of Newburgh
Planning Board
21 Hudson Valley Professional Plaza
Newburgh, NY 12550

Attn: John Ewasutyn, Chairman

Re: Resubmission Request
Town Project No. 2022-06
Forest Park Subdivision
231 Forest Road
SBL: 1-1-12
AR Zone
Job No. 20310-KOE

RESUBMISSION REQUEST

Per the March 3 Planning Board Meeting, I have revised the application, EAF and Plans for this project to a four lot subdivision. In addition plan revisions include the following;

1) Reduced the lot count to 4 total.
2) Septic designs are now provided.
3) The 100 year flood plan is now shown per Orange County GIS, to be confirmed by the project surveyor of record.

On your authorization, I will deliver 12 Revised Planning Board Applications, 12 revised sets of plans, and 12 copies of the revised EAF Long Form, along with this resubmission request. I will PDF 1 copy of all materials to Dominic Cordisco and will deliver 1 copy of all materials to Pat Hines.

Respectfully yours,

Charles T. Brown, P.E. – President
Talcott Engineering

Pc; Joe Kehoe, Client
Pat Hines w/attachments
Dominic Cordisco, Esq.

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 1is accurate and complete.

A. Project and Applicant/Sponsor Information.

Name of Action or Project: FOREST PARK SUBDIVISION	TED #20310-KOE	
Project Location (describe, and attach a general location map): 231 FOREST ROAD (COUNTY 23), TOWN OF NEWBURGH, NY		
Brief Description of Proposed Action (include purpose or need): SUBDIVIDE AN EXISTING VACANT 40.7 ACRE PARCEL TO CREATE 4 NEW SINGLE FAMILY BUILDING LOTS. BUILDING LOTS WILL HAVE ON-SITE SEPTICS AND WELLS AND BE ACCESSED BY INDIVIDUAL COMMON DRIVEWAYS TO FOREST ROAD, WHICH IS COUNTY RT. 23.		
Name of Applicant/Sponsor: KEHOE CORP.	Telephone: 845-741-6105 E-Mail: JOSEPH @KEHOE-CONSTRUCTION.COM	
Address: 389 LAKE OSIRIS ROAD		
City/PO: WALDEN	State: NY	Zip Code: 12586
Project Contact (if not same as sponsor; give name and title/role): JOSEPH KEHOE, OWNER	Telephone: 845-741-6105 E-Mail: JOSEPH @KEHOE-CONSTRUCTION.COM	
Address: (SAME)		
City/PO:	State:	Zip Code:
Property Owner (if not same as sponsor): (SAME)	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 Counsel, Town Board, or Village Board of Trustees ☐Yes☑No		
b. City, Town or Village Planning Board or Commission ☑Yes☐No	PLANNING BOARD SUBDIVISION APPROVAL	2-9-2022
c. City, Town or Village Zoning Board of Appeals ☐Yes☑No		
d. Other local agencies ☐Yes☑No		
e. County agencies ☑Yes☐No	COUNTY HIGHWAY DEPT. FOR DRIVEWAYS	4-2-2022
f. Regional agencies ☐Yes☑No		
g. State agencies ☐Yes☑No		
h. Federal agencies ☐Yes☑No		

i. Coastal Resources.
i. Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway? ☐Yes☑No

ii. Is the project site located in a community with an approved Local Waterfront Revitalization Program? ☐Yes☑No

iii. Is the project site within a Coastal Erosion Hazard Area? ☐Yes☑No

C. Planning and Zoning

C.1. Planning and zoning actions.

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

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

C.2. Adopted land use plans.

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

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

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

If Yes, identify the plan(s):

_____

_____

_____

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

If Yes, identify the plan(s):

_____

_____

_____

C.3. Zoning

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

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

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

C.4. Existing community services.

a. In what school district is the project site located? WALLKILL

b. What police or other public protection forces serve the project site?
TOWN OF NEWBURGH

c. Which fire protection and emergency medical services serve the project site?
PLATTEKILL FIRE

d. What parks serve the project site?
CHADWICK AND CRONOMER

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? 40.7 acres
b. Total acreage to be physically disturbed? 0.6 acres
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 40.7 acres

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

d. Is the proposed action a subdivision, or does it include a subdivision? ☑ Yes ☐ No
If Yes,
i. Purpose or type of subdivision? (e.g., residential, industrial, commercial; if mixed, specify types)
RESIDENTIAL
ii. Is a cluster/conservation layout proposed? ☐ Yes ☑ No
iii. Number of lots proposed? 4
iv. Minimum and maximum proposed lot sizes? Minimum 4.5 ACRE Maximum 27.0ACRES

e. Will the proposed action be constructed in multiple phases? ☐ Yes ☑ No
i. If No, anticipated period of construction: 10 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.

	One Family	Two Family	Three Family	Multiple Family (four or more)
Initial Phase	4			
At completion of all phases	4			

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 the proposed action cause or result in disturbance to bottom sediments? ☐Yes ☐No
If Yes, describe:

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):
- 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: 1760 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:
- 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:
PROPOSED INDIVIDUAL WELLS

vi. If water supply will be from wells (public or private), what is the 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: 1760 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 a 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):

INDIVIDUAL SUBSURFACE SEWERAGE DISPOSAL SYSTEMS

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 the 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 (CO_2)
- _____Tons/year (short tons) of Nitrous Oxide (N_2O)
- _____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)? ☐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 truck trips/day and type (e.g., semi trailers and dump trucks): _____

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 ½ 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: 8AM TO 8PM
- Saturday: 8AM TO 8PM
- 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 the 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 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? ☐ 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 the 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 Covertype	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces	0	0.47	+0.47
• Forested	31.75	31.28	-0.47
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	0	0	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)	10.23	10.23	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? ☐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

☐ Yes – Spills Incidents database — Provide DEC ID number(s): _____
☐ Yes – Environmental Site Remediation database — Provide DEC ID number(s): _____
☐ Neither database

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

iii. Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database? ☐Yes ☑No
If yes, provide DEC ID number(s): _____
iv. If yes to (i), (ii) or (iii) above, describe current status of site(s):

_____
_____

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

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

E.2. Natural Resources On or Near Project Site

a. What is the average depth to bedrock on the project site? OVER 5' 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:

Ra	33.3 %
ErA	33.3 %
MdB	33.3 %

d. What is the average depth to the water table on the project site? Average: 2 feet

e. Drainage status of project site soils:
☐ Well Drained: ____ % of site
☑ Moderately Well Drained: 20 % of site
☑ Poorly Drained 80 % of site

f. Approximate proportion of proposed action site with slopes:
☑ 0-10%: 50 % of site
☑ 10-15%: 50 % 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 855.5-134 Classification AA
- Lakes or Ponds: Name _____ Classification _____
- Wetlands: Name Federal Waters, NYS Wetland, Federal Waters Approximate Size NYS Wetland (in a...
- Wetland No. (if regulated by DEC) NB-31

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): Red Maple-Hardwood Swamp

ii. Source(s) of description or evaluation: _____

iii. Extent of community/habitat:

- Currently: 1460.0 acres
- Following completion of project as proposed: 1460.0 acres
- Gain or loss (indicate + or -): 0.0 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

If Yes:

i. Species and listing (endangered or threatened): _____

p. Does the project site contain any species of plant or animal that is listed by NYS as rare, or as a species of special concern? ☐ Yes ☑ No

If Yes:

i. Species and listing: _____

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: _____

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 Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State 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 fives 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.

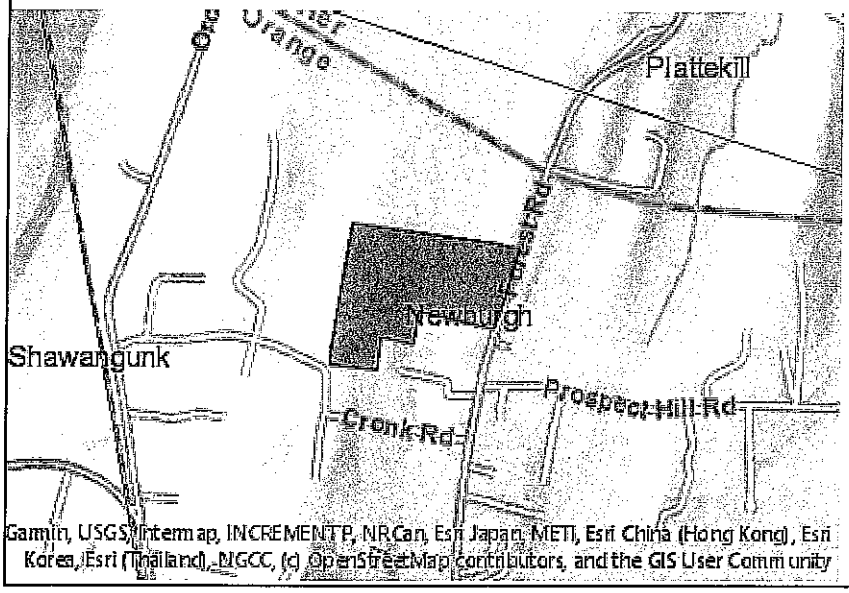
Applicant/Sponsor Name CHARLES T BROWN, PE Date 3-4-2022

Signature _____ Title PROJECT ENGINEER

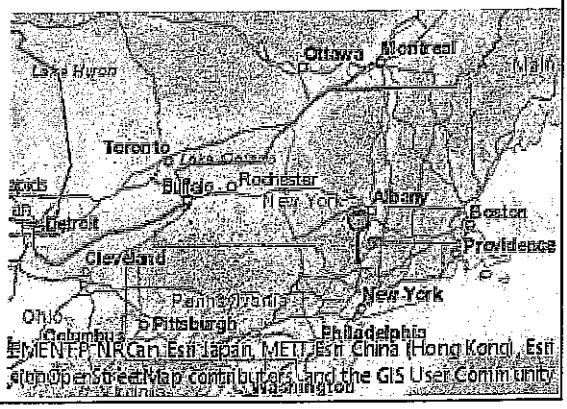
PRINT FORM

EAF Mapper Summary Report

Monday, January 10, 2022 2:40 PM



Disclaimer: The EAF Mapper is a screening tool intended to assist project sponsors and reviewing agencies in preparing an environmental assessment form (EAF). Not all questions asked in the EAF are answered by the EAF Mapper. Additional information on any EAF question can be obtained by consulting the EAF Workbooks. Although the EAF Mapper provides the most up-to-date digital data available to DEC, you may also need to contact local or other data sources in order to obtain data not provided by the Mapper. Digital data is not a substitute for agency determinations.



B.i.i [Coastal or Waterfront Area]	No
B.i.ii [Local Waterfront Revitalization Area]	No
C.2.b. [Special Planning District]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h [DEC Spills or Remediation Site - Potential Contamination History]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Listed]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Environmental Site Remediation Database]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.iii [Within 2,000' of DEC Remediation Site]	No
E.2.g [Unique Geologic Features]	No
E.2.h.i [Surface Water Features]	Yes
E.2.h.ii [Surface Water Features]	Yes
E.2.h.iii [Surface Water Features]	Yes - Digital mapping information on local and federal wetlands and waterbodies is known to be incomplete. Refer to EAF Workbook.
E.2.h.iv [Surface Water Features - Stream Name]	855.5-134
E.2.h.iv [Surface Water Features - Stream Classification]	AA
E.2.h.iv [Surface Water Features - Wetlands Name]	Federal Waters, NYS Wetland
E.2.h.iv [Surface Water Features - Wetlands Size]	NYS Wetland (in acres):85.5
E.2.h.iv [Surface Water Features - DEC Wetlands Number]	NB-31
E.2.h.v [Impaired Water Bodies]	No

E.2.i. [Floodway]	No
E.2.j. [100 Year Floodplain]	Yes
E.2.k. [500 Year Floodplain]	No
E.2.l. [Aquifers]	No
E.2.n. [Natural Communities]	Yes
E.2.n.i [Natural Communities - Name]	Red Maple-Hardwood Swamp
E.2.n.i [Natural Communities - Acres]	1460.0
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]	No
E.3.e. [National or State Register of Historic Places or State Eligible Sites]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.3.f. [Archeological Sites]	No
E.3.i. [Designated River Corridor]	No

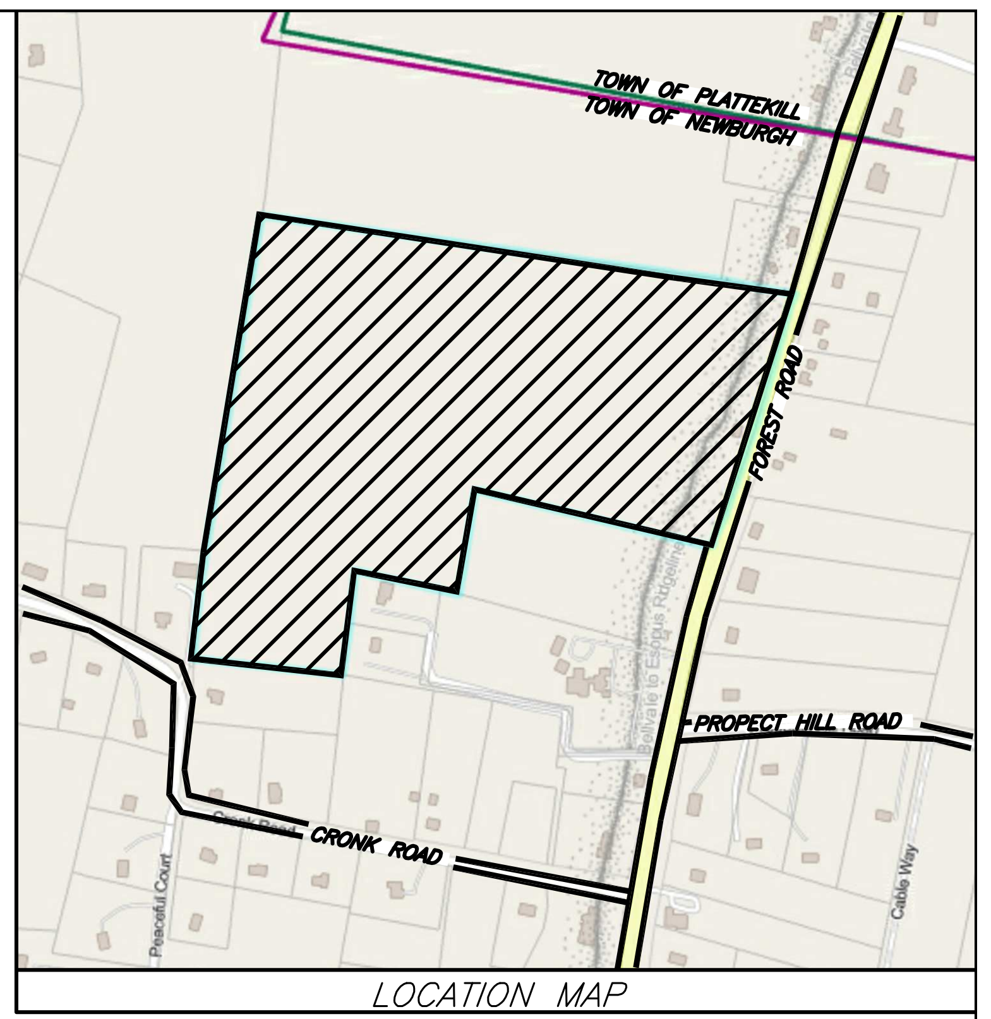
ZONING SCHEDULE

ZONE: AR

	REQUIRED	PROPOSED LOT #1	PROPOSED LOT #2	PROPOSED LOT #3	PROPOSED LOT #4
MINIMUM LOT AREA	40,000sf.(0.92ac)	4.80AC	5.10AC	4.52AC	27.09AC
MINIMUM YARDS (feet)					
FRONT	60' MIN.	111'	100'	125'	117'
REAR	50' MIN.	898'	878'	829'	808'
SIDE					
ONE	30' MIN.	65'	62'	41'	60'
BOTH	80' MIN.	177'	149'	91.45	181'
MINIMUM LOT WIDTH (feet)	150' MIN.	214'	220'	200'	200'
MINIMUM LOT DEPTH (feet)	150' MIN.	1032'	1001'	969'	939'
MAXIMUM BUILDING COVERAGE (%)	10% MAX.	10% MAX.	10% MAX.	10% MAX.	10% MAX.
MAXIMUM LOT SURFACE COVERAGE (%)	20% MAX.	20% MAX.	20% MAX.	20% MAX.	20% MAX.

LEGEND

○——○	PROPERTY LINE EXISTING
▨	HOUSE EXISTING
○-·-·-○	PROPERTY LINE PROPOSED
-·-·-·-	PROPERTY LINE ADJOINING
○○○○○	STONEWALL
▨	HOUSE PROPOSED



LOCATION MAP

NYSDEC FRESHWATER WETLAND BOUNDARY VALIDATION

THE FRESHWATER WETLAND BOUNDARY AS REPRESENTED ON THESE PLANS ACCURATELY DEPICTS THE LIMITS OF FRESHWATER WETLAND NB-31 AS DELINEATED BY MIKE NOWICKI IN 2005

DEC STAFF: ____________ SURVEYOR/ENGINEER: GARY R RICH LLS

DATE: ____________ SEAL:

WETLAND BOUNDARY DELINEATIONS AS VALIDATED BY DEC THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION REMAIN VALID FOR 10 YEARS UNLESS EXISTING EXEMPT ACTIVATES, AREA HYDROLOGY, OR LAND USE PRACTICES CHANGE (e.g. agricultural to residential). AFTER 10 YEARS THE BOUNDARY MUST BE REVALIDATED BY DEC STAFF. REVALIDATION MAY INCLUDE A NEW DELINEATION AND SURVEY OF THE WETLAND BOUNDARY.

ANY PROPOSED CONSTRUCTION, GRADING, FILLING, EXCAVATING, CLEARING OR OTHER REGULATED ACTIVITY IN THE FRESHWATER WETLAND OR WITHIN 100 FEET OF THE WETLAND BOUNDARY AS DEPICTED ON THIS PLAN REQUIRES A PERMIT FROM THE NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION UNDER ARTICLE 24 OF THE ENVIRONMENTAL CONSERVATION LAW (FRESHWATER WETLANDS ACT) PRIOR TO COMMENCEMENT OF WORK.

NYSDEC FRESHWATER WETLAND NOTE:

ANY PROPOSED CONSTRUCTION, GRADING, FILLING, EXCAVATING, CLEARING OR OTHER REGULATED ACTIVITY WITHIN THE STATE FRESHWATER WETLAND OR ADJACENT 100 FEET REQUIRES A PERMIT FROM THE NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION UNDER ARTICLE 24 OF THE ENVIRONMENTAL CONSERVATION LAW (FRESHWATER WETLANDS ACT) PRIOR TO THE COMMENCEMENT OF WORK".

SURVEYOR'S CERTIFICATION:

I HEREBY CERTIFY TO THE PARTIES OF INTEREST LISTED BELOW THAT THIS MAP SHOWS THE RESULTS OF AN ACTUAL SURVEY COMPLETED IN THE FIELD ON MAY 12, 2021.

GARY R RICH LLS
SIGNATURE

CALL BEFORE YOU DIG.... IT'S THE LAW

WHETHER YOU'RE LAYING A FOUNDATION FOR A BUILDING OR PLANTING A TREE, YOU MUST FIRST CHECK FOR THE EXISTENCE OF UNDERGROUND UTILITY LINES AND CABLES. IF YOU OR YOUR CONTRACTOR DISRUPT ANY OF THESE LINES, THE RESULTS CAN BE DANGEROUS – AND COSTLY– TO EVERYONE. CALL BEFORE YOU DIG, TOLL FREE, 811

APPLICANT:

KEHOE CORP ATT JOSEPH KEHOE
389 LAKE OSIRIS ROAD
WALDEN, NY 12586

RECORD OWNER'S CONSENT NOTE:

THE UNDERSIGNED OWNERS OF THE PROPERTY HEREON STATE THAT THEY ARE FAMILIAR WITH THIS PLAN, ITS CONTENTS AND ITS LEGENDS AND HEREBY CONSENT TO ALL SAID TERMS AND CONDITIONS AS STATED HEREON AND TO THE FILING OF THIS PLAN IN THE OFFICE OF THE CLERK OF THE COUNTY OF ORANGE, IF SO REQUIRED.

____
SIGNATURE

KEHOE CORP ATT JOSEPH KEHOE
389 LAKE OSIRIS ROAD
WALDEN, NY 12586

REVISIONS

REV.:	DATE:	BY:	DESCRIPTION:
1	03/08/22	RBM	PER PB COMMENTS

THIS SHEET IS INVALID AND VOID UNLESS ACCOMPANIED BY REMAINING SHEETS IN SET.

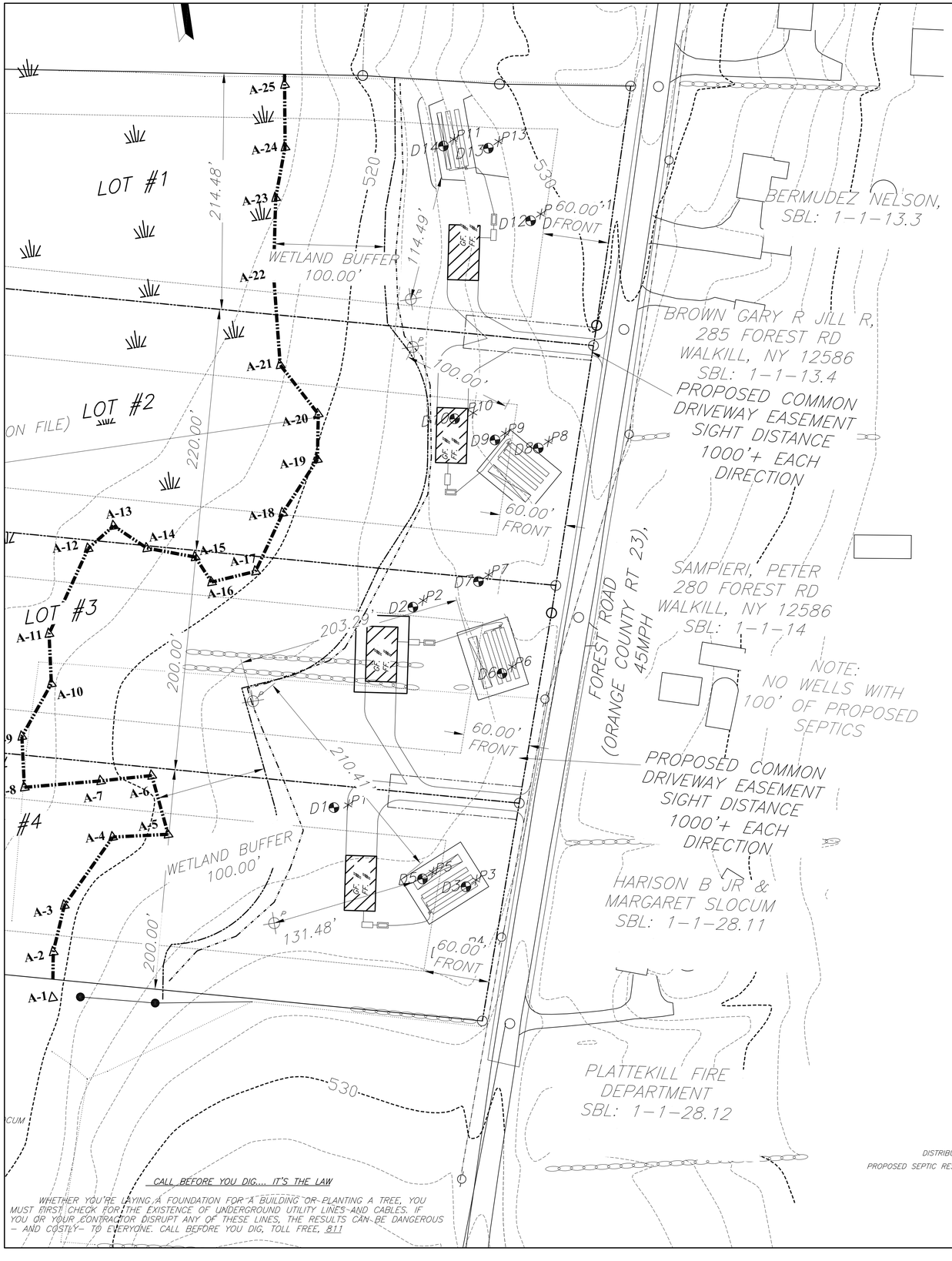
SURVEYOR	ENGINEER
	CHARLES T. BROWN,P.E.

TALCOTT ENGINEERING DESIGN PLLC

1 GARDNERTOWN ROAD
NEWBURGH, NY 12550
(845)-569-8400
(FAX)(845)-569-4583
TALCOTTDESIGN12@GMAIL.COM

PROPOSED SUBDIVISION ENTITLED
"FOREST PARK SUBDIVISION"
231 FOREST ROAD (CO 23), SBL 1-1-12
TOWN OF NEWBURGH, ORANGE COUNTY, NY

DATE	SCALE	JOB NUMBER	SHEET NUMBER
02/03/2022	1"=100'	20310-KOE	1 OF 4



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LOT #4	PERCOLATION	DEEP TEST DATA:	SEPTIC DESIGN CRITERIA:
LOT #1	* P11 12" DEEP 08/17/2021 RUN 1 2 3 4 5 6 7 11:42 16:20 17:28 18:35 19:43 20:52 21:56 STABILIZED PERCOLATION RATE: 22 MINUTES /INCH * P12 12" DEEP 08/17/2021 RUN 1 2 3 4 5 6 7 8 9 10 2:27 4:55 5:47 6:20 6:51 8:14 10:10 8:14 10:19 11:41 STABILIZED PERCOLATION RATE: 12 MINUTES /INCH * P13 12" DEEP 08/16/2021 RUN 1 2 3 4 5 6 7 9:37 10:55 11:13 12:27 13:41 14:57 15:24 STABILIZED PERCOLATION RATE: 16 MINUTES /INCH * P14 12" DEEP 08/16/2021 RUN 1 2 3 4 5 6 7 0:57 1:53 2:09 2:45 2:52 3:01 3:12 STABILIZED PERCOLATION RATE: 4 MINUTES /INCH	D11 72" DEEP 08/10/2021 0–6" TOPSOIL 6"–72" SILTY CLAY LOAM MOTTLING @42", NO WATER, NO ROCK D12 66" DEEP 08/10/2021 0–6" TOPSOIL 6"–66" SILTY CLAY LOAM MOTTLING @48", NO WATER, NO ROCK D13 56" DEEP 08/10/2021 0–6" TOPSOIL 6"–56" SILT LOAM MOTTLING @16"/28", NO WATER, NO ROCK D14 52" DEEP 08/10/2021 0–6" TOPSOIL 6"–32" SILT LOAM MOTTLING @38", NO WATER, NO ROCK	1. NO. OF BEDROOMS– 3 2. SEPTIC TANK DESIGN–1,250 GAL 3. STABILIZED PERCOLATION RATE– 16–20 MIN 4. FLOW RATE (GALS /DAY)– 440 5. DESIGN LENGTHS: 2 ROWS OF 13 ELJEN UNITS(52'ROWs) = 104' total(79' REQUIRED) * 6. SHALLOW FILL SYSTEM 7. PUMP CHAMBER REQUIRED 8. CURTAIN DRAIN REQUIRED
LOT #2	* P8 12" DEEP 08/16/2021 RUN 1 2 3 4 5 6 7 4:46 6:12 6:29 7:39 8:43 8:49 9:04 STABILIZED PERCOLATION RATE: 10 MINUTES /INCH * P9 12" DEEP 08/16/2021 RUN 1 2 3 4 5 6 22:29 23:59 38:10 39:31 40:37 41:48 STABILIZED PERCOLATION RATE: 42 MINUTES /INCH * P10 12" DEEP 08/16/2021 RUN 1 2 3 4 5 6 7 8 13:03 26:28 27:50 29:10 30:21 31:35 32:48 23:10 STABILIZED PERCOLATION RATE: 23 MINUTES /INCH	D8 50" DEEP 08/10/2021 0–6" TOPSOIL 6"–22" SILT LOAM W/ STONE 22"–50" CLAY LOAM MOTTLING @38", NO WATER, NO ROCK D9 64" DEEP 08/10/2021 0–6" TOPSOIL 6"–64" CLAY LOAM HARD PAN @20"/36", NO WATER, NO ROCK D10 78" DEEP 08/10/2021 0–6" TOPSOIL 6"–78" CLAY LOAM MOTTLING @24"/36", NO WATER, NO ROCK	1. NO. OF BEDROOMS– 3 2. SEPTIC TANK DESIGN–1,250 GAL 3. STABILIZED PERCOLATION RATE– 31–45 MIN 4. FLOW RATE (GALS /DAY)– 440 5. DESIGN LENGTHS: 3 ROWS OF 11 ELJEN UNITS(44'ROWs) = 132' total(110' REQUIRED) * 6. SHALLOW FILL SYSTEM 7. PUMP CHAMBER REQUIRED 8. CURTAIN DRAIN REQUIRED
LOT #3	* P2 12" DEEP 08/13/2021 RUN 1 2 3 4 5 6 3:01 4:05 5:08 6:15 7:21 8:30 STABILIZED PERCOLATION RATE: 9 MINUTES /INCH * P6 12" DEEP 08/17/2021 RUN 1 2 3 4 5 6 7 20:50 21:38 27:14 28:17 29:36 30:41 31:52 STABILIZED PERCOLATION RATE: 31 MINUTES /INCH * P7 12" DEEP 08/16/2021 RUN 1 2 3 4 5 6 1:15 1:20 1:46 2:01 2:14 2:34 STABILIZED PERCOLATION RATE: 3 MINUTES /INCH	D2 52" DEEP 08/10/2021 0–6" TOPSOIL 6"–52" CLAY LOAM MOTTLING @18", NO WATER, NO ROCK D6 60" DEEP 08/10/2021 0–6" TOPSOIL 6"–60" CLAY LOAM HARD PAN @ 16"/26", NO WATER, NO ROCK D7 62" DEEP 08/10/2021 0–6" TOPSOIL 6"–62" CLAY LOAM MOTTLING @14"/28", NO WATER, NO ROCK	1. NO. OF BEDROOMS– 3 2. SEPTIC TANK DESIGN–1,250 GAL 3. STABILIZED PERCOLATION RATE– 31–45 MIN 4. FLOW RATE (GALS /DAY)– 440 5. DESIGN LENGTHS: 3 ROWS OF 12 ELJEN UNITS(48'ROWs) = 144' total(110' REQUIRED) * 6. SHALLOW FILL SYSTEM 7. PUMP CHAMBER REQUIRED 8. CURTAIN DRAIN REQUIRED
LOT #4	* P1 12" DEEP 08/13/2021 RUN 1 2 3 4 5 6 7 8 10:25 11:36 17:31 18:39 19:42 20:45 21:51 22:55 STABILIZED PERCOLATION RATE: 23 MINUTES /INCH * P3 12" DEEP 08/13/2021 RUN 1 2 3 4 5 6 7 4:04 4:20 5:07 6:10 7:11 7:15 7:45 STABILIZED PERCOLATION RATE: 8 MINUTES /INCH * P4 12" DEEP 08/13/2021 RUN 1 2 3 4 5 6 7 11:30 12:43 24:15 25:31 26:40 27:48 28:53 STABILIZED PERCOLATION RATE: 29 MINUTES /INCH * P5 12" DEEP 08/13/2021 RUN 1 2 3 4 5 3:45 8:22 9:00 10:03 10:24 STABILIZED PERCOLATION RATE: 11 MINUTES /INCH	D1 60" DEEP 08/10/2021 0–8" TOPSOIL 8"–60" CLAY LOAM MOTTLING @15"/30", NO WATER, NO ROCK D3 54" DEEP 08/10/2021 0–8" TOPSOIL 8"–54" CLAY LOAM MOTTLING @15"/30", NO WATER, NO ROCK D4 50" DEEP 08/10/2021 0–6" TOPSOIL 6"–50" CLAY LOAM MOTTLING @13"/28", NO WATER, NO ROCK D5 60" DEEP 08/10/2021 0–6" TOPSOIL 6"–60" CLAY LOAM HARD PAN @16"/30", NO WATER, NO ROCK	1. NO. OF BEDROOMS– 3 2. SEPTIC TANK DESIGN–1,250 GAL 3. STABILIZED PERCOLATION RATE– 31–45 MIN 4. FLOW RATE (GALS /DAY)– 440 5. DESIGN LENGTHS: 3 ROWS OF 12 ELJEN UNITS(48'ROWs) = 144' total(110' REQUIRED) * 6. SHALLOW FILL SYSTEM 7. PUMP CHAMBER REQUIRED 8. CURTAIN DRAIN REQUIRED

LEGEND

- PROPERTY LINE EXISTING
- HOUSE EXISTING
- PROPERTY LINE PROPOSED
- PROPERTY LINE ADJOINING
- STONEWALL
- HOUSE PROPOSED
- SEPTIC TANK
- PUMP CHAMBER
- DISTRIBUTION BOX
- PROPOSED SEPTIC AREA
- PROPOSED SEPTIC RESERVE AREA
- SILT FENCING
- *P# PERCOLATION TEST
- D# DEEP TEST
- EXISTING 2 FOOT CONTOUR
- EXISTING 10 FOOT CONTOUR

REVISIONS

REV.:	DATE:	BY:	DESCRIPTION:
.	.	.	.

ENGINEER

CHARLES T. BROWN, P.E.

TALCOTT ENGINEERING DESIGN PLLC
1 GARDNERTOWN ROAD
NEWBURGH, NY 12550
(845)–569–8400
(FAX)(845)–569–4583
TALCOTTDESIGN12@GMAIL.COM

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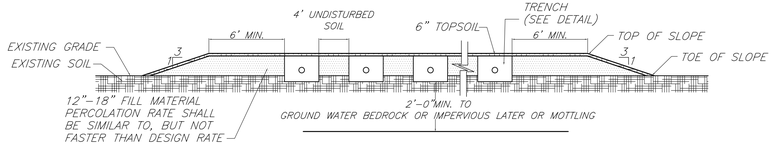
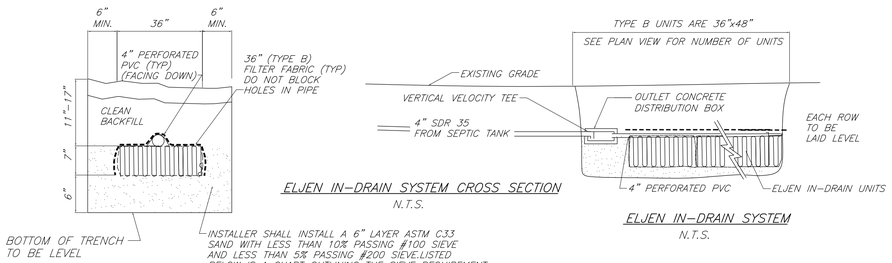
DATE	SCALE	JOB NUMBER	SHEET NUMBER
02/03/2022	1"=50'	20310–KOE	2 OF 4



SHALLOW SYSTEM DETAIL

N.T.S.

NOTES:
1. BOTTOM OF ALL TRENCHES SHALL NOT BE ABOVE ORIGINAL USABLE SOIL
2. MAXIMUM DEPTH OF USABLE FILL PLUS 6" OF TOPSOIL SHALL NOT EXCEED 30".
3. MAXIMUM COVER OVER TRENCH AGGREGATE SHALL NOT EXCEED 12".



ELJEN IN–DRAIN SYSTEM CROSS SECTION

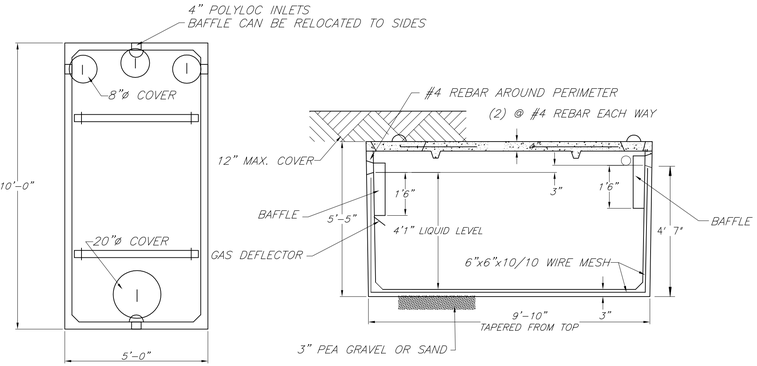
N.T.S.

ELJEN IN–DRAIN SYSTEM

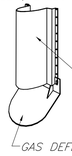
N.T.S.

ASTM C33 SAND SPECIFICATION

SIEVE SIZE	SIEVE SQUARE OPENING SIZE	SPECIFICATIONS PERCENT PASSING (WET SIEVE)
0.375"	9.5mm	100.0–100.0
#4	4.75mm	95.0–100.0
#8	2.36mm	80.0–100.0
#16	1.18mm	50.0–85.0
#30	600um	25.0–60.0
#50	300um	5.0–30.0
#100	150um	<10.0
#200	75um	<5.0



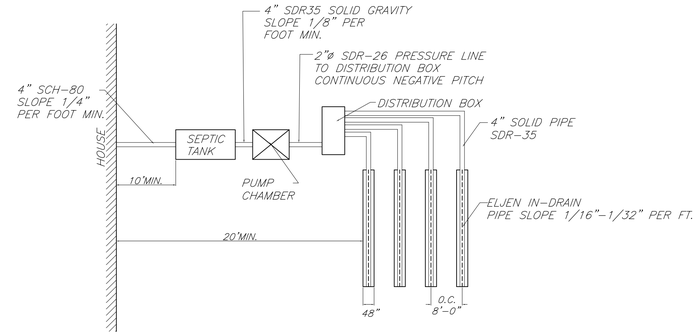
BAFFLE (DEFLECTOR ON OUTLET ONLY)

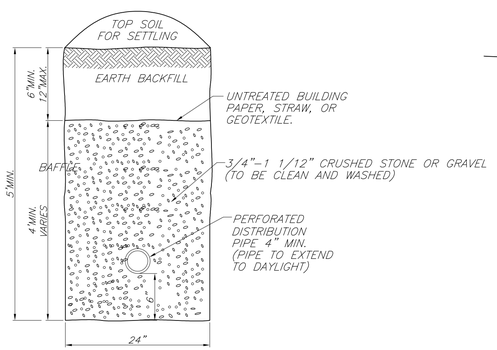


WOODARD'S 1250gal. SEPTIC TANK OR EQUAL

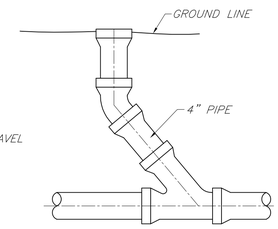
N.T.S.

SPECIFICATIONS
CONCRETE MINIMUM STRENGTH– 4,000 PSI AT 28 DAYS REINFORCEMENT– 6"x6"10GA. WWF, #4 REBAR AIR ENTRAPMENT– 5% CONSTRUCTION JOINT– BUTYL RUBBER – BASE CEMENT PIPE CONNECTION– POLYLOC SEAL (PATENTED) LOAD RATING– 300PSF WEIGHT = 9,500LBS





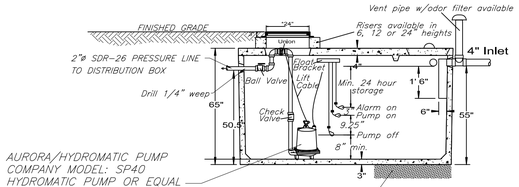
CURTAIN DRAIN



CLEANOUT DETAIL

N.T.S.

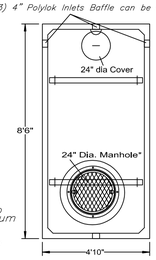
TO BE INSTALLED BEFORE BEND AT ALL BEND LOCATIONS AND AT EVER 75' OF STRAIGHT PIPE. (DO NOT USED WITH PUMP CHAMBER)



*24" opening is the minimum necessary for access to a single pump. 30" opening for two pumps. Aluminum hatch doors are also available.

**7" minimum elevation change is recommended when using float switches. For smaller doses, a pressure bell systems better (CSI Controls RK series).

(3) 4" Polylok Inlets Baffle can be relocated to side inlet



WOODARD'S GT1000 PUMP CHAMBER SPECIFICATIONS
Concrete Min. Strength: 4,000 psi at 28 days Reinforcement: WWM & Rebar Air Entrapment: 6% Pipe Connection: Polylok Seal or Pipe Boots Volume: PC–4x4 = 300 gallons Load Rating: 300 psf

Model	A	B	C	D	E	Gallons per inch
GT–1000	8'–6"	4'–10"	65"	50.5"	55"	21.6

PUMP CHAMBER NOTES:

1. CONTRACTOR SHALL DETERMINE LENGTHS OF REQUIRED ELECTRICAL CABLE AND AVAILABLE VOLTAGE PRIOR TO ORDERING EQUIPMENT.
2. ALL WIRING SHALL CONFORM TO NATIONAL ELECTRICAL CODE & LOCAL CODE REQUIREMENTS.
3. THE POWER AND CONTROL WIRING SHALL BE MADE DIRECTLY TO THE CONTROL PANEL WITHOUT AND OUTSIDE SPLICES. CONTROL PANEL TO BE LOCATED INSIDE BASEMENT OF HOUSE AUDIBLE ALARMS AND FLASHING LIGHT.
4. A N.Y.S. PROFESSIONAL ENGINEER MUST CERTIFY TO THE CONSTRUCTION OF THE SYSTEM.
5. NOTE REMOVED
6. QUANTITY STORED IS BASED UPON (1) DAYS FLOW MINIMUM.
7. AS–BUILT MUST SHOW FORCE MAIN LOCATION.

SEPTIC SYSTEM GENERAL NOTES:

1. ALL PORTIONS OF THE SEPTIC FIELD WILL BE A MINIMUM DISTANCE OF 200 FEET UP SLOPE AND 100 FEET DOWN SLOPE FROM ANY WELL.
2. SEPTIC TANK TO BE LOCATED A MINIMUM DISTANCE OF 10 FEET FROM ANY BUILDING OR PROPERTY LINE AND 50' FROM WELL.
3. CELLAR DRAINS, ROOF DRAINS OR FOOTING DRAINS SHALL NOT BE DISCHARGED IN OR INTO THE VICINITY OF ABSORPTION FIELD.
4. NO SWIMMING POOLS, DRIVEWAYS, OR STRUCTURES THAT MAY COMPACT THE SOIL SHALL BE CONSTRUCTED OVER ANY PORTION OF THE ABSORPTION FIELD.
5. NO TRENCHES TO BE INSTALLED IN WET SOIL.
6. RAKE SIDES AND BOTTOM OF TRENCH PRIOR TO PLACING GRAVEL IN ABSORPTION TRENCH.
7. GROUT ALL PIPE PENETRATIONS TO CONC. SEPTIC TANK & DISTRIBUTION BOX.
8. DISTRIBUTION LINES ARE TO BE CAPPED.
9. THE PERIMETER OF THE ABSORPTION FIELD SHOULD BE GRADED TO DIVERT SURFACE WATER.
10. ALL NEWLY DISTURBED AREAS SHALL BE IMMEDIATELY STABILIZED UPON CONSTRUCTION COMPLETION USING GRASS SEED & MULCH.
11. NO SEWAGE SYSTEM SHALL BE PLACED WITHIN 100' OF ANY WATER COURSE OR 35' DRAINAGE DITCH.
12. ALL LAUNDRY AND KITCHEN WASTES SHALL BE DISCHARGED INTO SEWAGE SYSTEM.
13. BENDS SHALL BE USED WHEN ENTRANCE OR EXIT FROM SEPTIC TANK IS NOT APPROXIMATELY STRAIGHT. IF BENDS ARE USED AT POINTS OTHER THAN ENTRANCE OR EXIT POINTS, THEN A CLEANOUT IS REQUIRED.
14. THE DESIGN AND LOCATION OF THE SANITARY FACILITIES SHALL NOT BE CHANGED WITHOUT RESUBMISSION FOR APPROVAL.
15. HEAVY EQUIPMENT SHALL BE KEPT OFF THE AREA OF THE ABSORPTION FIELDS EXCEPT DURING THE ACTUAL CONSTRUCTION. THERE SHALL BE NO UNNECESSARY MOVEMENT OF CONSTRUCTION EQUIPMENT IN THE ABSORPTION FIELD AREA BEFORE, DURING, OR AFTER CONSTRUCTION.
16. 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 THESE.
17. THERE MUST BE AN UNINTERRUPTED POSITIVE SLOPE FROM THE SEPTIC TANK (OR ANY PUMPING OR DOSING CHAMBER) TO THE HOUSE, ALLOWING SEPTIC GASES TO DISCHARGE THROUGH THE STACK VENT.
18. THE PURCHASER OF THIS LOT SHALL BE PROVIDED WITH A COPY OF THE APPROVED PLANS AND AN ACCURATE AS–BUILT DRAWING OF ANY EXISTING SANITARY FACILITIES.
19. THE DESIGN ENGINEER WILL BE REQUIRED TO CERTIFY THE COMPLETED DISPOSAL FACILITY.
20. AN ASBUILT SURVEY AND CERTIFICATION SHALL BE PROVIDED TO THE TOWN OF NEWBURGH CODE ENFORCEMENT DEPARTMENT PRIOR TO ISSUANCE OF A CERTIFICATION OF OCCUPANCY.

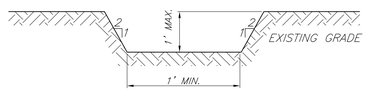
STANDARD NOTES:

THE DESIGN, CONSTRUCTION AND INSTALLATION SHALL BE IN ACCORDANCE WITH THIS PLAN AND GENERALLY ACCEPTED STANDARDS IN EFFECT AT THE TIME OF CONSTRUCTION WHICH INCLUDE:

"APPENDIX 75–A, WASTE TREATMENT – INDIVIDUAL HOUSEHOLD SYSTEMS, NEW YORK STATE SANITARY CODE."
"WASTE TREATMENT HANDBOOK, INDIVIDUAL HOUSEHOLD SYSTEMS, NEW YORK STATE DEPARTMENT OF HEALTH."
"RURAL WATER SUPPLY, NEW YORK STATE DEPARTMENT OF HEALTH."
"PLANNING THE SUBDIVISION AS PART OF THE TOTAL ENVIRONMENT, NEW YORK STATE DEPARTMENT OF HEALTH."

"THIS PLAN IS APPROVED AS MEETING THE APPROPRIATE AND APPLIED TECHNICAL STANDARDS, GUIDELINES, POLICIES AND PROCEDURES FOR ARRANGEMENT OF SEWAGE DISPOSAL AND TREATMENT AND WATER SUPPLY FACILITIES.

ALL WELLS AND S.D.S. EXISTING OR APPROVED WITHIN 200' OF THE PROPOSED WELLS AND S.D.S. ARE SHOWN ON THIS PLAN ALONG WITH ANY OTHER ENVIRONMENTAL HAZARDS IN THE AREA THAT MAY AFFECT THE DESIGN AND FUNCTIONAL ABILITY OF THE S.D.S. AND WELL. IT SHALL BE DEMONSTRATED BY THE CONTRACTOR TO THE CERTIFYING ENGINEER THAT THE SEPTIC TANK IS SEALED, WATER TIGHT AND ACCEPTABLE FOR USE. THIS SHALL REQUIRE, AS A MINIMUM, THE FILLING OF THE TANK WITH WATER TO OBSERVE IF IT IS IN FACT SEALED, WATERTIGHT AND ACCEPTABLE FOR USE.
ALL PROPOSED WELLS AND SERVICE LINES ON THIS PLAN ARE ACCESSIBLE FOR INSTALLATION AND PLACEMENT.
TRENCH BOTTOMS TO BE SET LEVEL AND PARALLEL TO EXISTING CONTOURS.
MAXIMUM DEPTH OF USABLE FILL PLUS 6" OF TOPSOIL SHALL NOT EXCEED 30".



GRASS SWALE DETAIL

N.T.S.

CALL BEFORE YOU DIG... IT'S THE LAW

WHETHER YOU'RE LAYING A FOUNDATION FOR A BUILDING OR PLANTING A TREE, YOU MUST FIRST CHECK FOR THE EXISTENCE OF UNDERGROUND UTILITY LINES AND CABLES. IF YOU OR YOUR CONTRACTOR DISRUPT ANY OF THESE LINES, THE RESULTS CAN BE DANGEROUS – AND COSTLY– TO EVERYONE. CALL BEFORE YOU DIG, TOLL FREE, 811

REVISIONS			
REV.:	DATE:	BY:	DESCRIPTION:
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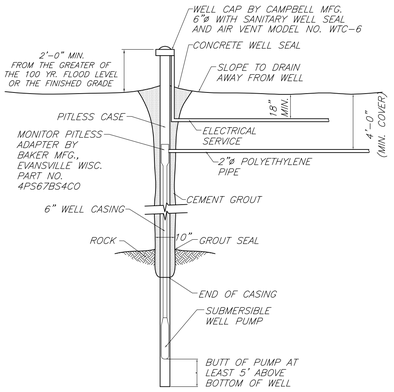
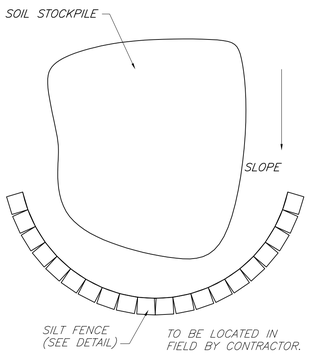
PROPOSED SUBDIVISION ENTITLED
"FOREST PARK SUBDIVISION"
231 FOREST ROAD (CO 23), SBL 1–1–12
TOWN OF NEWBURGH, ORANGE COUNTY, NY

DATE	SCALE	JOB NUMBER	SHEET NUMBER
–	AS NOTED	20310–KOE	3 OF 4



TYPICAL WELL DETAIL
N.T.S.

WELL NOTES:
1. CASING DEPTH SHALL EXTEND AT LEAST 40' BELOW GROUND IN ANY CONDITION
2. WELL TO BE CONSTRUCTED PER NYSDOH APPENDIX 5B "STANDARDS FOR WATER WELL" LATEST EDITION
3. WELL SHALL HAVE A MIN. YIELD OF 5 GPM.
4. WELL CASING MATERIAL IS TO BE IN COMPLIANCE WITH AWWA STANDARD A-100, LATEST VERSION.



SOIL STOCKPILE DETAIL
N.T.S.

CALL BEFORE YOU DIG.... IT'S THE LAW

WHETHER YOU'RE LAYING A FOUNDATION FOR A BUILDING OR PLANTING A TREE, YOU MUST FIRST CHECK FOR THE EXISTENCE OF UNDERGROUND UTILITY LINES AND CABLES. IF YOU OR YOUR CONTRACTOR DISRUPT ANY OF THESE LINES, THE RESULTS CAN BE DANGEROUS – AND COSTLY– TO EVERYONE. CALL BEFORE YOU DIG, TOLL FREE, 811

VEGETATION REQUIREMENTS

1.) SITE PREPARATION
A. INSTALL NEEDED WATER AND EROSION CONTROL MEASURES AND BRING AREA TO BE SEEDED TO DESIRED GRADES USING A MINIMUM OF 4 IN. TOPSOIL.
B. PREPARE SEEDBED BY LOOSENING SOIL TO A DEPTH OF 4–6 INCHES.
C. LIME TO A PH OF 6.5
E. FERTILIZE AS PER SOIL TEST OR, IF FERTILIZER MUST BE APPLIED BEFORE SOIL TEST RESULTS ARE RECEIVED, APPLY 850 POUNDS OF 5–10–10 OR EQUIVALENT
PER ACRE (20 LBS/1,000 SQ. FT.)
F. INCORPORATE LIME AND FERTILIZER IN TOP 2–4 INCHES OF TOPSOIL.
G. SMOOTH. REMOVE ALL STONES OVER 1 INCH IN DIAMETER, STICKS, AND FOREIGN MATTER FROM THE SURFACE. FIRM THE SEEDBED.
2.) PLANTING—SUNNY LOCATION.
USE A CULTIPACKER TYPE SEEDER IF POSSIBLE. SEED TO A DEPTH OF 1/8 TO 1/4 INCH. IF SEED IS TO BE BROADCAST, CULTIPACK OR ROLL AFTER SEEDING. IF
HYDROSEEDED, LIME AND FERTILIZER MAY BE APPLIED THROUGH THE SEEDER AND ROLLING IS NOT PRACTICAL. SEED USING THE FOLLOWING MIX AND RATES

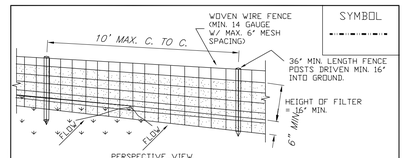
GRASS SEEDING CHART

SPECIES (% BY WEIGHT)	LBS./1,000SQ.FT	LBS./ACRE
65% KENTUCKY BLUEGRASS BLEND	2.0–2.6	85–114
20% PERENNIAL RYEGRASS	0.6–0.8	26–35
15% FINE FENSCUE	0.4–0.6	19–26
TOTAL	3.0–4.0	130–175
OR		
100% TALL FENSCUE, TURF–TYPE, FINE LEAF	3.4–4.6	150–200

3.) WHEN USING THE CULTIPACKER OR BROADCAST SEED METHOD, MULCH USING SMALL GRAIN STRAW, APPLIED AT A RATE OF 2 TONS PER ACRE; AND ANCHOR
WITH A NETTING OR TACKIFIER. HYDROSEED APPLICATIONS SHOULD INCLUDE MULCH, FERTILIZER AND SEED.
COMMON WHITE CLOVER CAN BE ADDED TO MIXTURES AT THE RATE OF 1–2 LBS/ACRE TO HELP MAINTAIN GREEN COLOR DURING THE DRY SUMMER PERIOD,
HOWEVER, THEY WILL NOT WITHSTAND HEAVY TRAFFIC. FERTILIZING—FIRST YEAR, (SPRING SEEDLINGS) THREE TO FOUR WEEKS AFTER GERMINATION APPLY 1
POUND NITROGEN/1,000 SQUARE FEET USING A COMPLETE FERTILIZER WITH A 2–1–1 OR 4–1–3 RATIO OR AS RECOMMENDED BY SOIL TEST RESULTS. FOR
SUMMER AND EARLY FALL SEEDINGS, APPLY AS ABOVE UNLESS AIR TEMPERATURES ARE ABOVE 85°F FOR EXTENDED PERIOD. WAIT UNTIL HEAT WAVE IS OVER
TO FERTILIZE. FOR LATE FALL/ WINTER SEEDINGS, FERTILIZE IN SPRING. RESTRICT USE—NEW SEEDLINGS SHOULD BE PROTECTED FROM USE FOR ONE FULL YEAR TO
ALLOW DEVELOPMENT OF A DENSE SOD WITH GOOD ROOT STRUCTURE

CONSTRUCTION SCHEDULE FOR EACH LOT

1. OBTAIN PLAN APPROVAL AND OTHER APPLICABLE PERMITS.
2. FLAG THE WORK LIMITS
3. HOLD PRE–CONSTRUCTION CONFERENCE AT LEAST ONE WEEK PRIOR TO STARTING CONSTRUCTION.
4. INSTALL TEMPORARY GRAVEL CONSTRUCTION ENTRANCE/EXIT.
5. INSTALL SILT FENCE
6. COMPLETE SITE CLEARING
7. ROUGH GRADE SITE, STOCKPILE TOPSOIL, INSTALL DRIVEWAY CULVERT
8. EXCAVATE FOR FOUNDATION
9. BUILD FOUNDATION
10. FRAME HOUSE
11. BACKFILL FOUNDATION
12. FINISH THE SLOPES AROUND BUILDINGS AS SOON AS ROUGH GRADING IS COMPLETE. LEAVE THE SURFACE SLIGHTLY ROUGHENED AND VEGETATE AND MULCH IMMEDIATELY.
13. COMPLETE FINAL GRADING FOR DRIVEWAY AND BUILDING.
14. AFTER THE SITE IS STABILIZED, REMOVE ALL TEMPORARY MEASURES AND INSTALL PERMANENT VEGETATION ON THE DISTURBED AREAS.
15. ESTIMATED TIME BEFORE FINAL STABILIZATION––9 MONTHS.

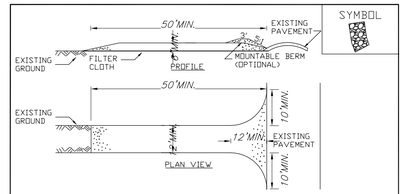


CONSTRUCTION SPECIFICATIONS

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
2. FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 6" MAXIMUM MESH OPENING.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER–LAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
4. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

ADAPTED FROM DETAILS PROVIDED BY: USDA – NRCS, NEW YORK STATE DEPARTMENT OF TRANSPORTATION, NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

SILT FENCE



CONSTRUCTION SPECIFICATIONS

1. STONE SIZE – USE 1–4 INCH STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH – NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
3. THICKNESS – NOT LESS THAN SIX (6) INCHES.
4. WIDTH – TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
5. GEOTEXTILE – WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. SURFACE WATER – ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CON–STRUCTION ACCESS SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE – THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS–OF–WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS–OF–WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

ADAPTED FROM DETAILS PROVIDED BY: USDA – NRCS, NEW YORK STATE DEPARTMENT OF TRANSPORTATION, NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

STABILIZED CONSTRUCTION ACCESS

REVISIONS

REV.:	DATE:	BY:	DESCRIPTION:
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