

RENNIA ENGINEERING DESIGN, PLLC

CIVIL ▪ ENVIRONMENTAL ▪ STRUCTURAL

6 Dover Village Plaza, Suite 5, P.O. Box 400, Dover Plains, NY 12522
Tel: (845) 877-0555 Fax: (845) 877-0556

June 29, 2016

Town of Amenia Planning Board
Amenia Town Hall
4988 Route 22
Amenia, NY 12501

Attn: Norm Fontaine, Chairperson

**Re: Amenia Fish & Game
Indoor 3-Lane Shooting Range
4623 Route 22
Parcel ID: 132000-7066-00-854868**

Dear Mr. Fontaine and Planning Board Members,

This office has reviewed the comment letter prepared by Mr. John Andrews, P.E. of Rohde, Soyka & Andrews Consulting Engineers, dated April 27, 2016. The Site Plan Drawing set has been revised as requested. The following comment responses are provided in the same order received:

1. So noted.
2. So noted.
3. The information required in the Town of Amenia Zoning Code § 121-65.B.19 has been included with this submission for review.
4. A Full Environmental Assessment Form has been included with this submission.
5. The EAF has been revised to include Special Permit as part of the required approvals and to no longer indicate that the project site is within the 100 year floodplain.
6. A revised Agricultural Data Statement has been included with this submission.
7. The site plan set has been revised to show the proposed footing drain.
8. The site plan set has been revised to show the proposed construction entrance within the proposed limit of disturbance.
9. It is our understanding that the 2/3/2015 agreement is superseded by the most recent agreement between Silo Ridge and Amenia Fish and Game Club. This most recent agreement does not include landscaping and removal/replacement of the chain link fence. However in lieu of this exclusion the indicated chain link fence removal, gate relocation, spilt rail fence and landscaping is included with this submittal and part of the proposed project work.

Additional Comments from Memo dated February 25, 2015

3. The site plan set has been revised to show the limit of disturbance outside of the proposed silt fencing.
5. The site plan set has been revised to show an excavated soil deposit area. Additionally a note has been added as requested.

Attn: Norm Fontaine, Chairperson

June 29, 2016
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Re: Amenia Fish & Game
4623 Route 22
Parcel ID: 132000-7066-00-854868

6. So noted.
8. Operation of the facility is to remain as is. No change in the hours of operation or seasons of use is anticipated as there is no proposed heating or cooling systems for the proposed shooting range.

Parking

3. The site plan has been revised to show the proposed location of the handicap sign, access aisle and signage.

As requested please find nine (9) copies of the following additional or previously submitted project information:

- Previously Submitted Land Use Application.
- Previously Submitted Site Plan Application.
- Previously Submitted Authorization of Agent Form
- Previously Submitted Town of Amenia District & Overlay Maps
- Full Environmental Assessment Form (EAF).
- New Agricultural Data Statement.
- New Project Narrative.
- Site Plan Set, dated 4/15/15, last revised 6/28/16.
- Waiver Request List

Please contact me with any questions at (845) 877-0555.

Sincerely,



Ryan Thomas, E.I.
Staff Engineer

Encl.

EC: Tom Clark, Amenia Fish & Game

Town of Amenia Planning Board

Town of Amenia
4988 Route 22
Amenia, NY 12501

(845) 373-8860 / (845) 373-9147 fax

LAND USE APPLICATION

Type of Application: Check all that apply

Site Plan Special Permit Zoning Permit Subdivision

Grid Number(s):
132000-7066-00-854868

Name of Project: Amenia Fish & Game Club
Property Address: Underground shooting range
4623 Route 22
Amenia NY 12501

Primary Contact Person:
Thomas Clark, President

Address: 4623 Route 22
Amenia NY 12501

Telephone Number: 845-373-9810

Email: _____

Name of Property Owner:
Amenia Fish & Game Club
Address: 4623 Route 22
Amenia NY 12501

Telephone Number:
845-373-9810

Name of Applicant (if different): _____

Address: _____

Telephone Number: _____

Email: _____

Relationship of Applicant to Owner (e.g. *contract vendee, option holder, lessee*): _____

Plans Prepared By:
Name: Rennia Engineering Design, PLLC
Address: PO Box 400
Dover Plains, NY 12522

Telephone Number: (845) 877-0555

E-mail: rich@renniadesign.com

Zoning District(s): RA , RR __, HM __, HR __, SR __, HC __,
OC __, M __

Overlay District(s) (if any): Floodplain , Stream Corridor ,
Scenic Protection , Aquifer , Mixed-Use Institutional __,
Soil Mining __, Historic Preservation __, Mobile Home Park __,
Resort Development __

Current Use(s): Fish & Game Club (Membership Club)
Proposed Use(s): Underground shooting range

Parcel Size: 6.4 Acres

Type of Activity: New structure , Alteration of existing
structure __, Expansion of use or structure __,

Change of use in existing structure __, Subdivision __.

Total Square Footage of Structures:

Current 7,219 SF Proposed 11,757 SF

Footprint of Structures: 11,757 SF

Deed Reference: Liber 0639
Page 0253 Date _____

Filed Map Reference: Lot # _____ Map # _____

Does the property contain a farm operation located within an
agricultural district or is the property boundary within 500
feet of a farm operation located in an agricultural district:

yes no

If yes, submit an Agricultural Data Statement.

Will the development be phased? Yes ___ No

If yes, how many phases? _____

Is there an existing Special Permit, Site Plan and/or
Subdivision approval for the property? Yes ___ No

If yes, provide certified copies of those existing approvals
with this application.

Town of Amenia Planning Board

Town of Amenia
4988 Route 22
Amenia, NY 12501

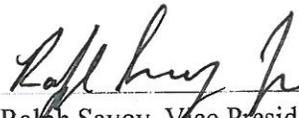
(845) 373-8860
(845) 373-9147 fax

The undersigned hereby makes application in accordance with all applicable laws and other requirements of the Town of Amenia, Dutchess County, New York. All owners of record must sign.



Thomas Clark, President - Authorized Representative

Date: 3/7/16



Ralph Savoy, Vice President - Authorized Representative

Date: 3/9/16

Signature of Applicant (if different)

Date: _____

Date stamp of submission
(Office Use Only)



TOWN OF AMENIA

4988 Route 22, AMENIA, NY 12501
TEL: 845-373-8860, x106 FAX: 845-373-9147

SITE PLAN & SPECIAL USE APPLICATION PROJECT DESCRIPTION

APPLICANT: Amenia Fish & Game Club

OWNER: Amenia Fish & Game Club

PROPERTY ADDRESS: 4623 ROUTE 22, Amenia NY 12501

GRID NUMBER(S): 132000-7066-00-854868

PROJECT NAME: Amenia Fish & Game Club Underground Firing Range

PROJECT SITE DESCRIPTION: Provide a description of the Project Site, include the existing conditions of the site, the natural resources and environmental features of the site (e.g., wetlands and watercourses, vernal pools, steep slopes, forest, wildlife habitat, prime and statewide important agricultural soils, active farmland, and scenic viewsheds), current use/development of property (e.g., structures, roads, fences), and known past uses of the site. A conservation analysis complying with section 121-20(A) of the Zoning Law may be substituted for this Project Site Description.

The Amenia Fish & Game Club proposes to develop an underground shooting

range for the use of its members. The underground shooting range will replace

the existing above ground shooting range that is present on their existing parcel.

The underground range will utilize an underground structure for both shooting

and bullet collection. The structures will be connected by a concrete tube, which

will act as a conduit for the bullet to travel the desired distance from the shooter to

the target. This type of underground facility will create a safer and quieter atmosphere



TOWN OF AMENIA

4988 Route 22. AMENIA, NY 12501
TEL: 845-373-8860, x106 FAX: 845-373-9147

TOWN OF AMENIA PLANNING BOARD AUTHORIZATION OF AGENT

I, Thomas Clark, President and Ralph Savoy, Vice President are the authorized representatives of the Amenia Fish & Game Club ("The Club"), the owner of the property

located at 4623 Route 22, Amenia, New York, identified as

Grid Number 132000-7066-00-854868.

The Club hereby authorize Rennia Engineering Design, PLLC to act as my agent in an
Amenia Fish & Game
Application to the Town of Amenia Planning Board for Underground Firing Range.
(Name of Project)

Print Name Thomas Clark, President and Ralph Savoy, Vice President

Signature 

Date 3/7/16

Signature 

Date 3/9/16

ZONING

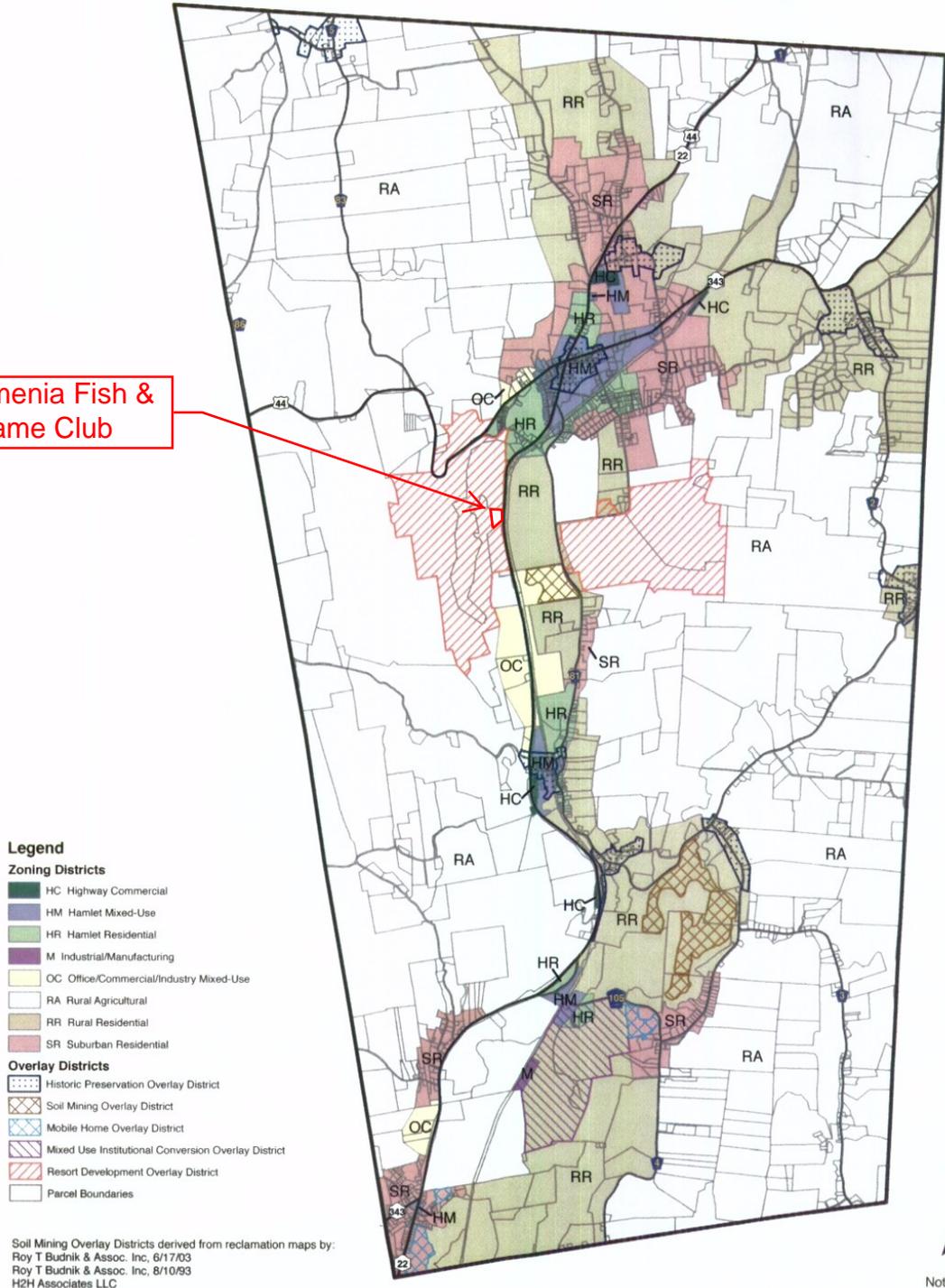
121 Attachment 3

Town of Amenia

Land Use and Development Overlay Districts Zoning Map

Prepared By Dutchess County Department of Planning & Development
Adopted Date: July 19, 2007

Amenia Fish & Game Club



ZONING

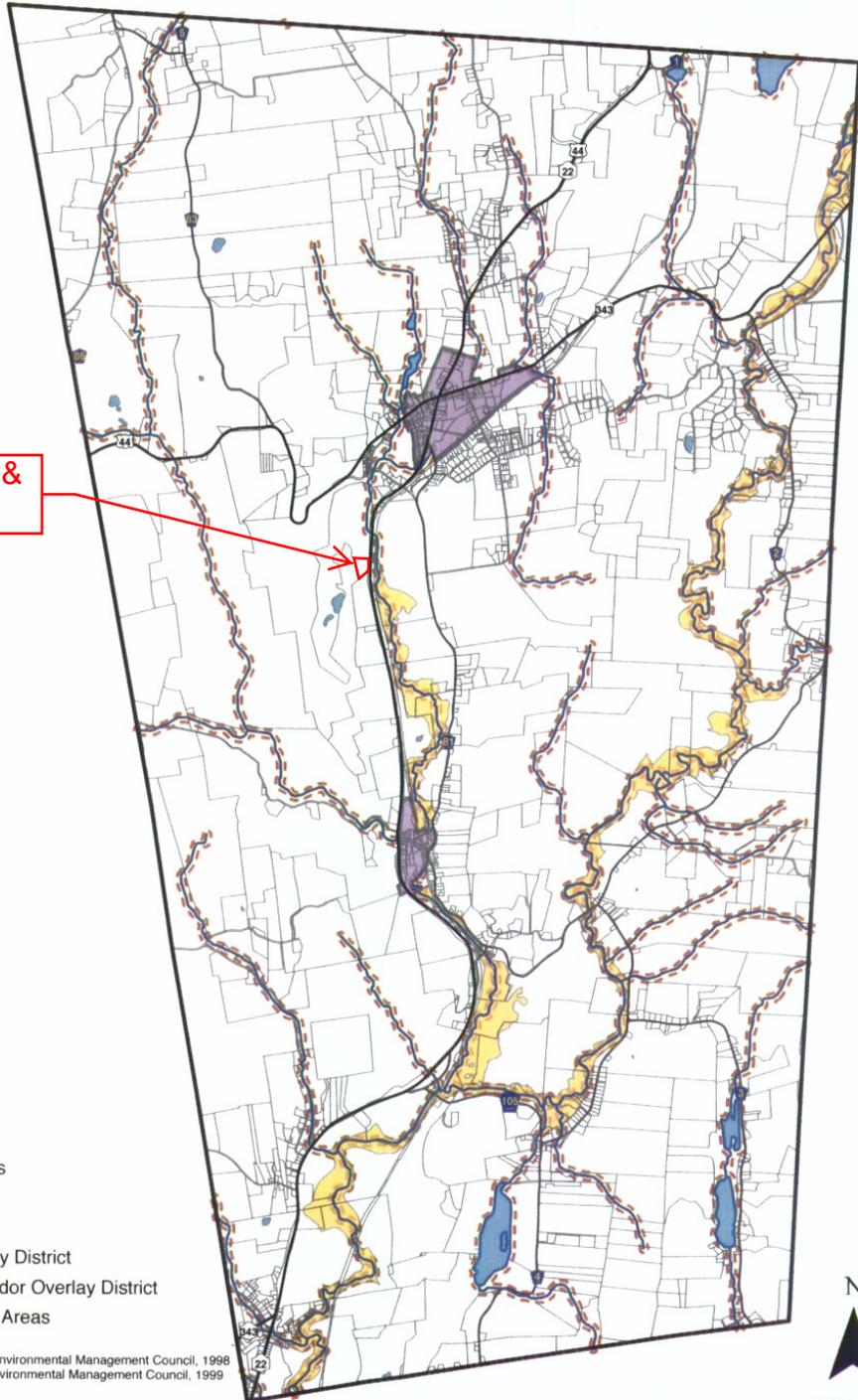
121 Attachment 4

Town of Amenia

Hydrological Overlay Districts

Prepared By Dutchess County Department of Planning & Development
Adopted Date: July 19, 2007

Amenia Fish &
Game Club



ZONING

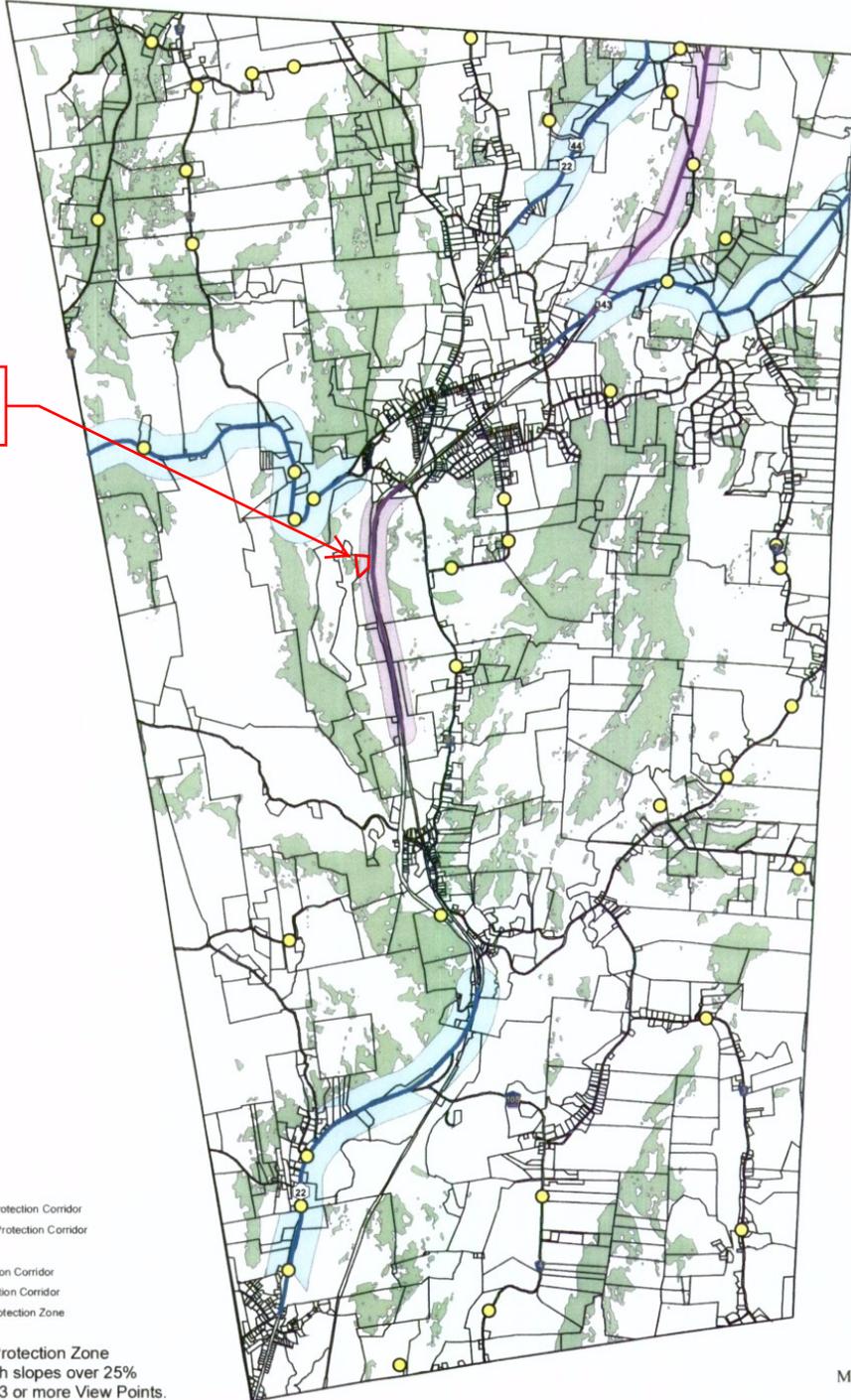
121 Attachment 5

Town of Amenia

Scenic Protection Overlay District

Prepared by: Dutchess County Department of Planning & Development
Adopted Date: July 19, 2007

Amenia Fish &
Game Club



ZONING

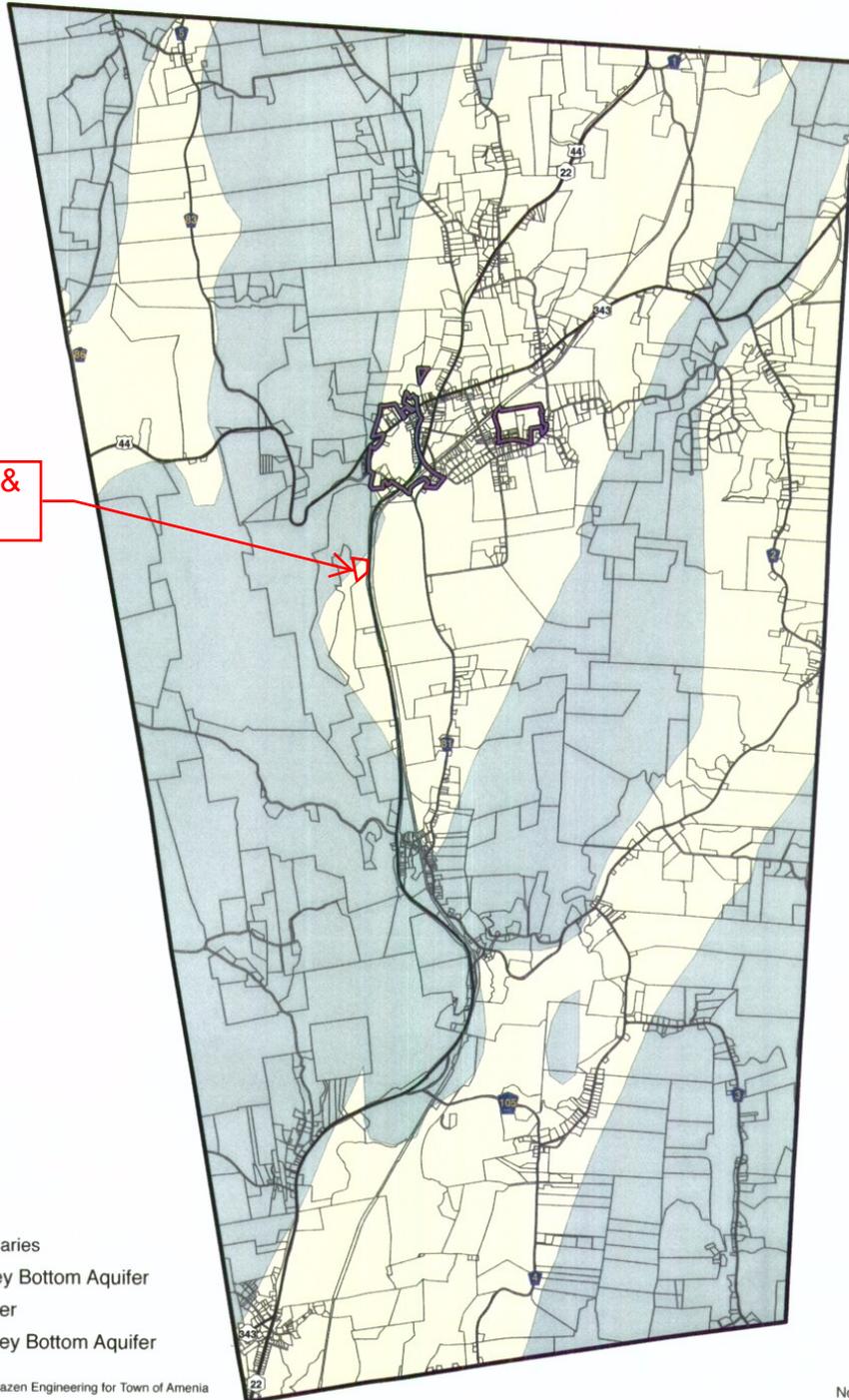
121 Attachment 6

Town of Amenia

Aquifer Overlay District

Prepared By Dutchess County Department of Planning & Development
Adopted Date: July 19, 2007

Amenia Fish &
Game Club



Legend

- Parcel Boundaries
- Primary Valley Bottom Aquifer
- Upland Aquifer
- Buffered Valley Bottom Aquifer

Aquifer data developed by Chazen Engineering for Town of Amenia

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: Amenia Fish and Game Club, Underground Firing Range		
Project Location (describe, and attach a general location map): 4623 Route 22, Amenia, NY, 12501		
Brief Description of Proposed Action (include purpose or need): The Amenia Fish & Game Club proposes to develop an underground shooting range for the use of its members. The underground shooting range will replace the existing above ground shooting range that is present on their existing parcel. The underground range will utilize one underground structure for shooting and one for bullet collection. These structures will be connected by a square concrete tube section that will act as a conduit for the bullet to travel the desired distance from the shooter to the target. This type of underground facility will create a safer and quieter atmosphere for both the users and the general public. The main shooting structure will consist of one open room that is approximately 15 feet wide by 16 feet long (240 sf interior) with 3 shooting stations. There will be one 100 yard long concrete firing tube and a bullet trap building at the opposite end of the firing tube. This will enable the use of rifle, shotgun, and pistol at various distances.		
Name of Applicant/Sponsor: Amenia Fish and Game Club		Telephone: 845-373-7084
		E-Mail:
Address: PO Box 149		
City/PO: Amenia	State: NY	Zip Code: 12501
Project Contact (if not same as sponsor; give name and title/role): Richard A. Rennia, Jr., P.E. Consultant		Telephone: (845) 877-0555
		E-Mail: rich@renniadesign.com
Address: P.O. Box 400		
City/PO: Dover Plains	State: NY	Zip Code: 12522
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	Special Permit Approval Site Plan Approval	April 9, 2016
c. City Council, Town or Village Zoning Board of Appeals <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Site Plan Review	July 2016
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? YesNo

- 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? YesNo

If Yes, does the comprehensive plan include specific recommendations for the site where the proposed action would be located? YesNo

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?) YesNo

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? YesNo

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?
RA (Rural Agricultural), PVBA (Primary Valley Bottom Aquifer), Floodplain Overlay District and SPO (Scenic Protection Overlay)
- 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? Webutuck School District
- b. What police or other public protection forces serve the project site?
Dutchess County Sheriff
- c. Which fire protection and emergency medical services serve the project site?
Wassaic Fire District
- d. What parks serve the project site?
Beekman Park

D. Project Details

D.1. Proposed and Potential Development

- a. What is the general nature of the proposed action (e.g., residential, industrial, commercial, recreational; if mixed, include all components)? The general nature of the proposed action is forest and agricultural/grasslands.

- b. a. Total acreage of the site of the proposed action? _____ 6.4 acres
b. Total acreage to be physically disturbed? _____ 0.89 acres
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? _____ 6.4 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: _____ 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	_____	_____	_____	_____
of all phases	_____	_____	_____	_____

g. Does the proposed action include new non-residential construction (including expansions)? Yes No
 If Yes,

i. Total number of structures three

ii. Dimensions (in feet) of largest proposed structure: 14.0 height; 13.33 width; and 300 length

iii. Approximate extent of building space to be heated or cooled: 0.00 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? Yes No
 (Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite)
 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: _____ 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: _____

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: _____ 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): _____

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 Hydroflouorocarbons (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: _____
To be determined.

ii. Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other):
NYSEG _____

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.

<p>i. During Construction:</p> <ul style="list-style-type: none"> • Monday - Friday: _____ 7 AM - 5 PM • Saturday: _____ • Sunday: _____ • Holidays: _____ 	<p>ii. During Operations:</p> <ul style="list-style-type: none"> • Monday - Friday: _____ Same as current hours • Saturday: _____ Same as current hours • Sunday: _____ Same as current hours • Holidays: _____ Same as current hours
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

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:
 A wall sconce light fixture will be installed on the shooting booth building to light the access path.

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: _____
 Some gun powder odor will be produced while in use.

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): Golf Course
 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	0.167	0.267	+0.10
• Forested	2.82	2.82	0.00
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	3.41	3.31	-0.10
• Agricultural (includes active orchards, field, greenhouse etc.)			
• Surface water features (lakes, ponds, streams, rivers, etc.)			
• Wetlands (freshwater or tidal)			
• Non-vegetated (bare rock, earth or fill)			
• Other Describe: _____ _____			

c. Is the project site presently used by members of the community for public recreation? 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): 314006
iv. If yes to (i), (ii) or (iii) above, describe current status of site(s):
There are currently no public drinking water supply wells near the site, and sampling at an approximate 3/4 mile radius indicated no impact by the site.

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? _____ 2.0 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:

Ue	_____	73.4 %
HoE	_____	13.3 %
CuD	_____	13.2 %

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

e. Drainage status of project site soils: Well Drained: _____ 86.6 % of site
 Moderately Well Drained: _____ % of site
 Poorly Drained _____ 13.4 % of site

f. Approximate proportion of proposed action site with slopes: 0-10%: _____ 73.4 % of site
 10-15%: _____ % of site
 15% or greater: _____ 26.6 % 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 PUBHx _____ Approximate Size 0.43 _____
- 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: Principal Aquifer _____

<p>m. Identify the predominant wildlife species that occupy or use the project site: _____</p> <p>White-tailed deer _____</p> <p>Squirrel _____</p> <p>Chipmunk _____</p>	
<p>n. Does the project site contain a designated significant natural community? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Describe the habitat/community (composition, function, and basis for designation): _____</p> <p style="margin-left: 20px;">ii. Source(s) of description or evaluation: _____</p> <p style="margin-left: 20px;">iii. Extent of community/habitat:</p> <ul style="list-style-type: none"> • Currently: _____ acres • Following completion of project as proposed: _____ acres • Gain or loss (indicate + or -): _____ acres 	
<p>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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	
<p>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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	
<p>q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, give a brief description of how the proposed action may affect that use: _____</p> <p>_____</p>	
E.3. Designated Public Resources On or Near Project Site	
<p>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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes, provide county plus district name/number: _____</p>	
<p>b. Are agricultural lands consisting of highly productive soils present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p style="margin-left: 20px;">i. If Yes: acreage(s) on project site? _____</p> <p style="margin-left: 20px;">ii. Source(s) of soil rating(s): _____</p>	
<p>c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Nature of the natural landmark: <input type="checkbox"/> Biological Community <input type="checkbox"/> Geological Feature</p> <p style="margin-left: 20px;">ii. Provide brief description of landmark, including values behind designation and approximate size/extent: _____</p> <p>_____</p> <p>_____</p>	
<p>d. Is the project site located in or does it adjoin a state listed Critical Environmental Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. CEA name: _____</p> <p style="margin-left: 20px;">ii. Basis for designation: _____</p> <p style="margin-left: 20px;">iii. Designating agency and date: _____</p>	

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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If Yes: <i>i.</i> Nature of historic/archaeological resource: <input type="checkbox"/> Archaeological Site <input type="checkbox"/> Historic Building or District <i>ii.</i> Name: _____ <i>iii.</i> 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
g. Have additional archaeological or historic site(s) or resources been identified on the project site? If Yes: <i>i.</i> Describe possible resource(s): _____ <i>ii.</i> Basis for identification: _____	
h. Is the project site within five miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If Yes: <i>i.</i> Identify resource: _____ <i>ii.</i> Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): _____ <i>iii.</i> Distance between project and resource: _____ miles.	
i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If Yes: <i>i.</i> Identify the name of the river and its designation: _____ <i>ii.</i> Is the activity consistent with development restrictions contained in 6NYCRR Part 666?	
<input type="checkbox"/> Yes <input type="checkbox"/> 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 Thomas Clark, President & Ralph Savoy, Vice President Date _____

Signature _____ Title _____

Signature: _____ Date: _____



TOWN OF AMENIA

4988 Route 22, AMENIA, NY 12501
TEL: 845-373-8860, x106 FAX: 845-373-9147

AGRICULTURAL DATA STATEMENT

Applicant Name: Amenia Fish & Game Club

Address: 4623 Route 22
Amenia NY 12501

Application Type (check all that apply) Subdivision
 Site Plan
 Special Use Permit

Does the application include land that contains a farm operation*
within an Agricultural District? Yes No

Does the application include lands within 500 feet of a farm
operation* within an Agricultural District? Yes No

If you answered yes to any of the two questions above, provide the name and address of the owners of land containing the farm operation below and attach a tax or other map to this sheet with the farm operation indicated, along with the Section, Block and Lot number for the farm operation.

Walter B. Culver, Jr.

10 Squaw Peak Rd.

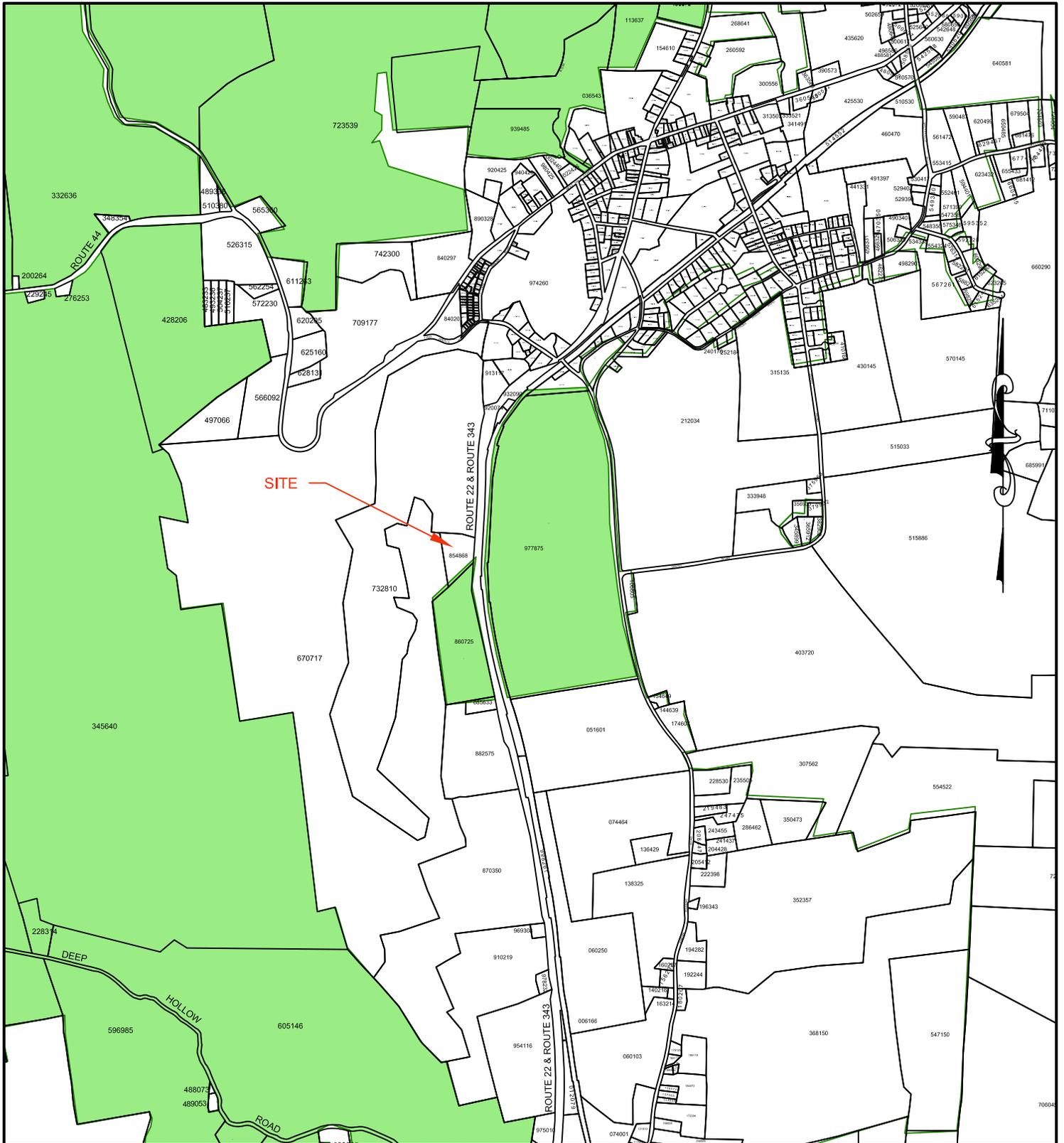
Great Barrington, MA 01230

Parcel # 132000-7066-00-977875

Provide a description of your project and attach a separate map showing the entire property that is included in your application.

The Amenia Fish & Game Club proposes to develop an underground shooting range for the use of its members. The underground shooting range will replace the existing above ground shooting range that is present on their existing parcel. The underground range will utilize two underground structures for shooting and bullet collection. These structures will be connected by a single concrete tube.

*Farm operation means the land used in agricultural production, farm buildings, equipment and farm residence buildings.



LEGEND
 Dutchess County Ag Districts

ENGINEERING, DESIGN, & PLANS PREPARED BY:

RENNIA ENGINEERING DESIGN, PLLC

CIVIL & ENVIRONMENTAL ENGINEERING

6 Dover Village Plaza, Suite 5, P.O. Box 400, Dover Plains, NY 12522

Tel: (845) 877-0555 Fax: (845) 877-0556

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IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW FOR ANY PERSON TO ALTER THESE PLANS, SPECIFICATIONS OR REPORTS IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER.

AMENIA FISH & GAME CLUB

TOWN OF AMENIA

DUTCHESS COUNTY, NY

AGRICULTURAL DISTRICT MAP

DATE	SCALE	DESIGNED BY:	DRAWN BY:	JOB NO.	SHEET NO.
2/12/15	1" = 2000'	RAR	RED	14-021	1 of 1

Amenia Fish & Game Underground Shooting Range Project Narrative

The Amenia Fish & Game Club proposes to develop an underground shooting range for the use of its members. The underground shooting range will replace the existing above ground shooting range that is present on their existing parcel. The underground range will utilize several underground structures for shooting and bullet collection. These structures will be connected by a single rectangular concrete tube, which will act as a conduit for the bullet to travel the desired distance from the shooter to the target. This type of underground facility will create a safer and quieter atmosphere for both the users and the general public.

The main shooting structure will consist of one open room that is approximately 16'-4" wide by 17'-4" long (283-sf) with 3 shooting stations. There will be a target and bullet collection structure located at the opposite end of the shooting tube located 100 yards down range of the main shooting room to allow for rifle target shooting. The target and collection structure will be approximately 16'-4" by 15'8" in size (256-sf).

The underground shooting range will include backstops, shooting booths, target system, firing range control, as well as space related to cleaning, and assembly of firearms.

Adequate volume and direction of air movement will be provided through a positive exhaust system that will remove fumes and dust released during firing. The exhaust system will provide a slight negative air pressure within the range to continuously change the air.

Acoustical controls will be installed within the structures to reduce both noise in the range and noise transmission out of the range. Heavy masonry walls provide mass to control noise to the outside and absorptive acoustical surfacing will reduce the noise level in the range.

To prevent ricochets and trap bullets special a Gran Trap by Meggit Training Systems and CMU's with sacrificial cladding in the zone directly behind the firing lanes will be provided.

Energy-efficient fluorescent lighting fixtures will be used to provide ambient and targeted lighting in the Firing Range. The lights will also be connected to a firing range control system to notify the outside that the range is in use and to notify the shooting room when the target room is occupied.

The shooting tube and buildings will be backfilled in such a way that runoff will be directed away from the structure and to the north where it will ultimately drain towards the Silo Ridge parcel as it does now.

The existing shooting pavilion that will be removed is 16' x 32' (512 sq. ft.) This structure is an open air pavilion with a dirt floor.

The shooting booth building will be accessed from the existing gravel parking lot where a single handicapped parking space will be added and a gravel access path will be installed. A wall sconce light fixture will be installed on the shooting booth building to light the access path.

The shooting booth building will not have a water supply or a sewage disposal system.

**Amenia Fish & Game
Underground Shooting Range
Waiver Requests**

The following is a list of waivers being requested from the site plan requirements:

§121-65.B.15

For new construction or alterations to any structure, a table containing the following information shall be included:

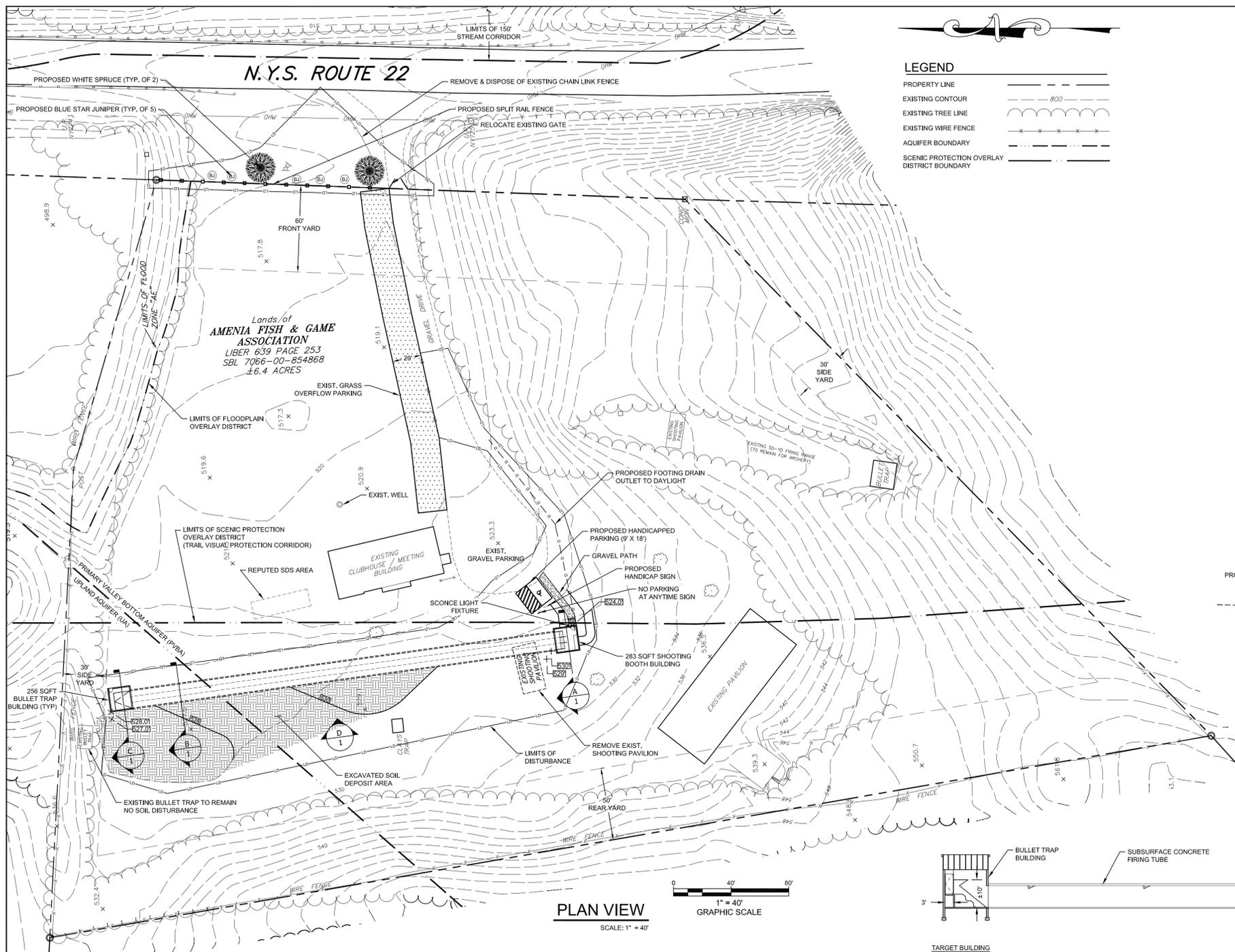
- (a) Estimated area of structure currently used and intended to be used for particular uses such as retail operation, office, storage, etc.;
- (b) Estimated maximum number of current and future employees;
- (c) Maximum seating capacity, where applicable; and
- (d) Number of parking spaces existing and required for the intended use.

§121-65.B.16

Elevations at a scale of 1/4 inch equals one foot for all exterior facades of the proposed structure(s) and/or alterations to or expansions of existing facades, showing design features and indicating the type and color of materials to be used.

§121-65.B.18

Plans for disposal of construction and demolition waste, either on site or at an approved disposal facility.

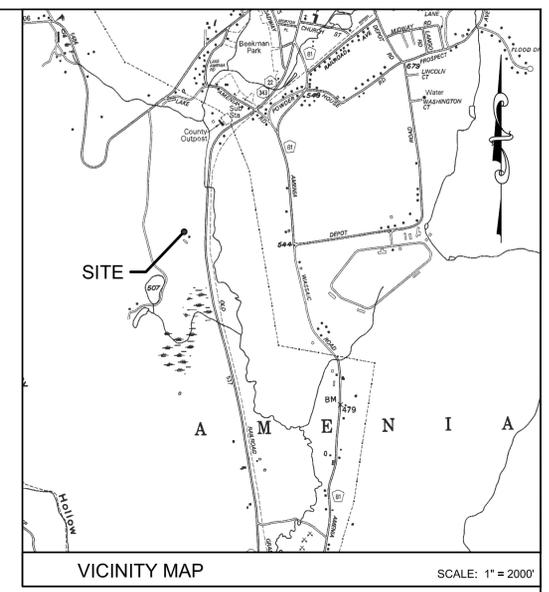


LEGEND

- PROPERTY LINE
- EXISTING CONTOUR
- EXISTING TREE LINE
- EXISTING WIRE FENCE
- AQUIFER BOUNDARY
- SCENIC PROTECTION OVERLAY DISTRICT BOUNDARY

BULK REGULATIONS

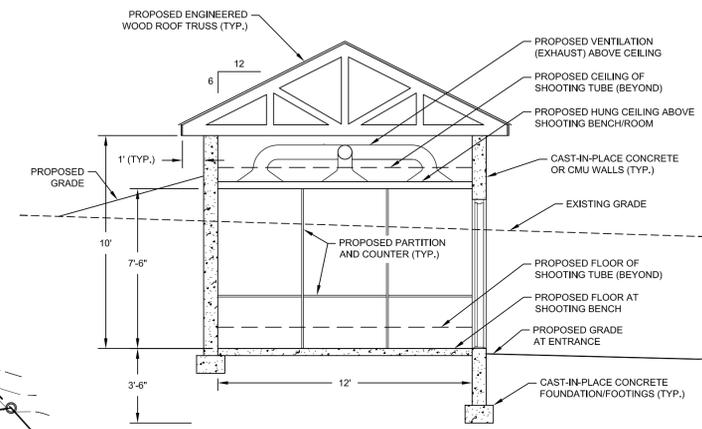
PROVISION	REQUIRED	PROPOSED
MIN. LOT AREA (ACRE)	10	6.4 (Existing)
MAX. IMPERMEABLE SURFACE COVERAGE (%)	10%	4.2%
MAX. BUILDING HEIGHT (FT)	35	15.50
MAX. BUILDING FOOTPRINT (SF)	6,000	4,800
MIN. ROAD FRONTAGE (FT)	250 (Town Road)	-
	300 (State Road)	342.76 (NYS Rte. 22)
MIN. FRONT YARD SETBACK (FT)	40 (Town Road)	-
	60 (State Road)	381 (NYS Rte. 22)
MIN. REAR YARD SETBACK (FT)	50	132
MIN. SIDE YARD SETBACK (FT)	30	31



SITE DATA

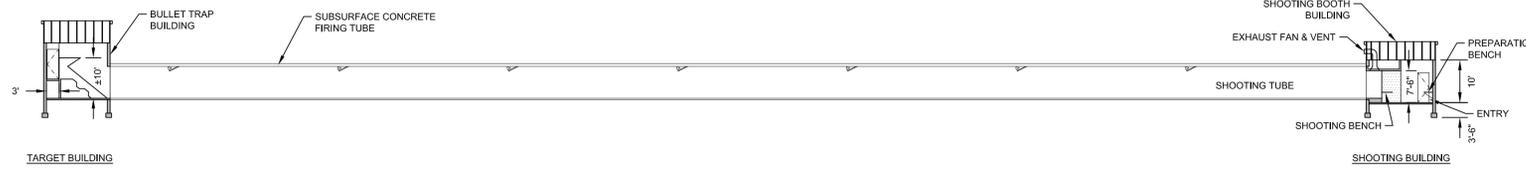
ZONING DISTRICT: RA "RURAL AGRICULTURE"
 OVERLAY DISTRICT: FPO "FLOODPLAIN OVERLAY"
 SCO "STREAM CORRIDOR OVERLAY"
 SPO "SCENIC PROTECTION OVERLAY"
 AQO "AQUIFER OVERLAY DISTRICT"

LOT SIZE: ±6.4 ACRES
 TAX GRID No.: 132000-7066-00-854868
 PROPERTY ADDRESS: 4623 ROUTE 22
 AMENIA, NY 12501
 PROPERTY OWNER: AMENIA FISH & GAME
 ADDRESS: P.O. BOX 149
 AMENIA, NY 12501

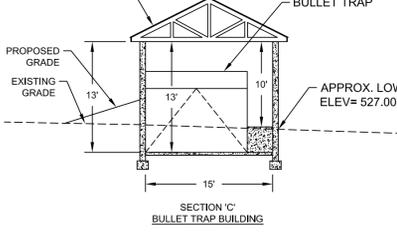
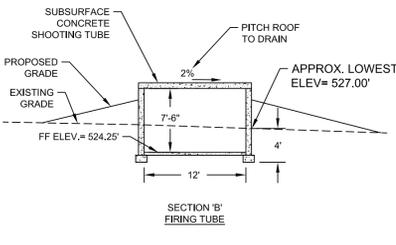
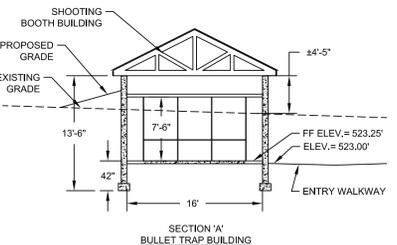


DETAILED CROSS-SECTION 'A' AT SHOOTING BOOTH BUILDING
 BULLET TRAP BUILDING SIMILAR. SCALE: 1/4" = 1'

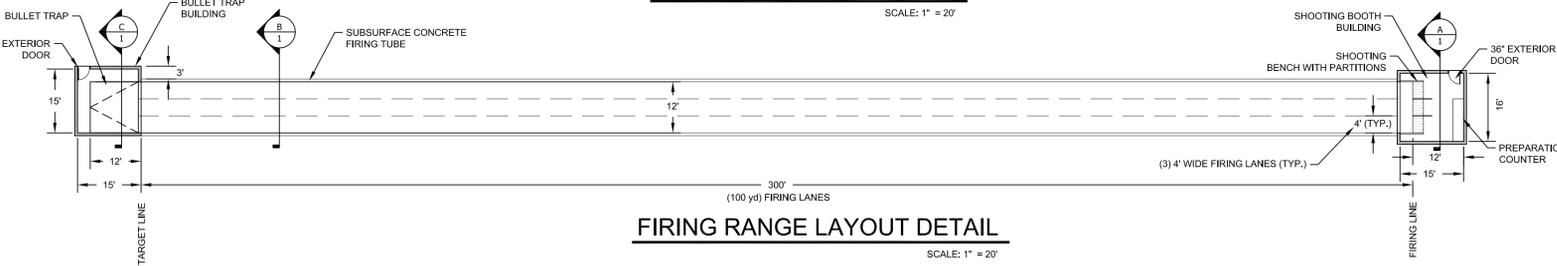
PLAN VIEW
 SCALE: 1" = 40'



LONGITUDINAL SECTION 'D'
 SCALE: 1" = 20'



CROSS-SECTIONS 'A', 'B' AND 'C'
 SCALE: 1" = 20'



FIRING RANGE LAYOUT DETAIL
 SCALE: 1" = 20'

VENTILATION VENT NOTES:

- A COMMERCIAL GRADE VENTILATION/EXHAUST SYSTEM SHALL BE PROVIDED FOR SHOOTING TUBE.
- THE EXHAUST FAN ASSEMBLY SHALL BE APPROPRIATELY SIZED TO PROVIDE SUFFICIENT VENTILATION AT THE SHOOTING BENCH AS WELL AS BULLET TRAP.

AS-BUILT REQUIREMENT:

- IN ACCORDANCE WITH AMENIA CODE SECTION 121-68.C AN AS-BUILT PLAN SHALL BE FILED WITH THE CODE ENFORCEMENT OFFICIAL PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY.

STEEP SLOPE NOTES:

- BASED ON A REVIEW OF AMENIA CODE SECTION 121-30 THERE ARE NO AREAS SHOWN ON THIS MAP THAT ARE PROPOSED FOR CONSTRUCTION OR IN WHICH A DISTURBANCE IS PLANNED FOR THAT QUALIFY AS A STEEP SLOPE.
- THERE IS NO DISTURBANCE PROPOSED ON A SLOPE GREATER THAN 30%.

SOIL EXCAVATION NOTE:

- NO EXCAVATED SOILS ARE TO BE REMOVED FROM THE SITE.

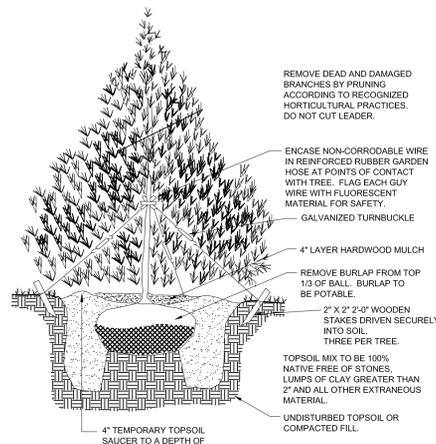
MAP NOTES:

- BOUNDARY AND TOPOGRAPHIC SURVEY DATA BASED UPON AN ACTUAL FIELD SURVEY COMPLETED ON OR BEFORE 12/01/2006 BY CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE CO., P.C.
- NO REGULATORY WETLANDS ARE PRESENT ON OR WITHIN PROJECT SITE.

DATE	REVISION
4/15/15	SITE PLAN UPDATE / ADDRESS TOWN ENG. COMMENTS
2/15/16	REVISED SITE PLAN LAYOUT
6/28/16	REVISED PER PLANNING BOARD COMMENTS

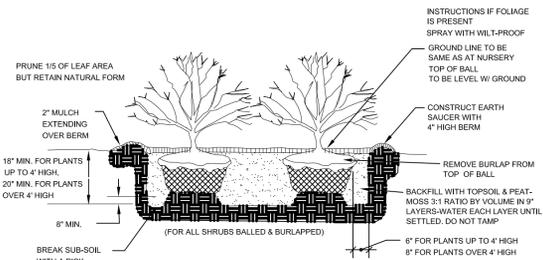
ENGINEERING, DESIGN, & PLANS PREPARED BY:
RENNIA ENGINEERING DESIGN, PLLC
 CIVIL • ENVIRONMENTAL • STRUCTURAL
 6 Dover Village Plaza, Suite 5, P.O. Box 400, Dover Plains, NY 12522
 Tel: (845) 877-0555 Fax: (845) 877-0556
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AMENIA FISH & GAME					
TOWN OF AMENIA DUTCHESS COUNTY, NY					
3 LANE INDOOR SUBSURFACE FIRING RANGE					
SITE PLAN					
DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY	JOB NO.
12/4/15	AS NOTED	RED	RED	RAR	#14-021
					SHEET NO.
					1 of 3



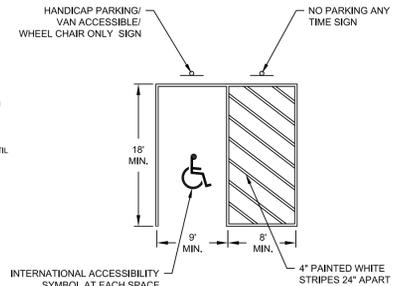
CONIFEROUS PLANTING DETAIL

NOTES:
 1. SET TREE 4" ABOVE FINISHED GRADE TO ALLOW FOR SETTLEMENT.
 2. STAKE TREES ONLY IN EXPOSED WINDY LOCATIONS OR IF PLANTED IN AREAS SUBJECT TO PLOWED SNOW.

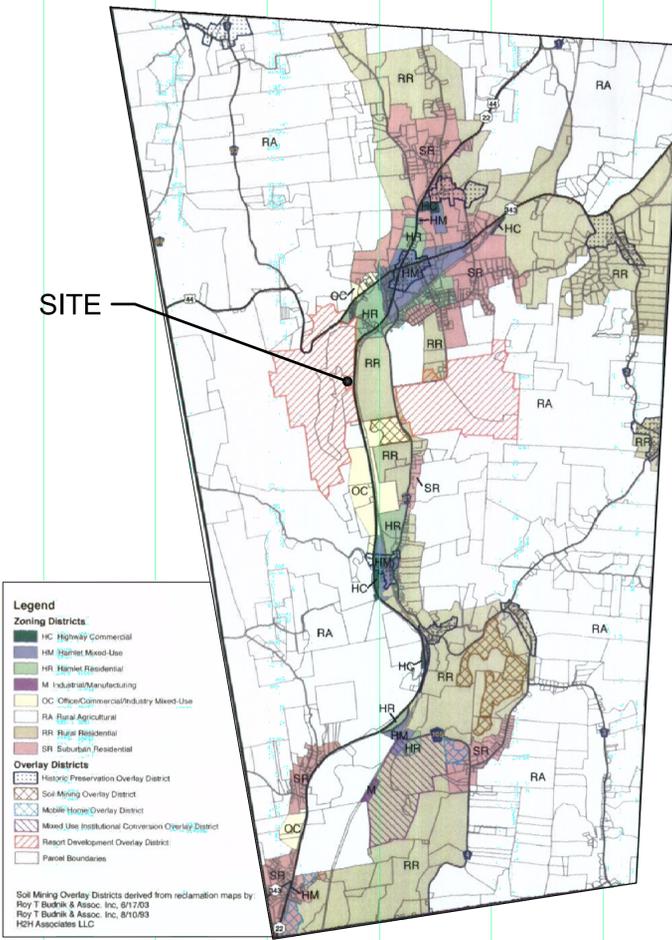


SHRUB PLANTING DETAIL

NOTES:
 1. ALL PLANT / TREE MATERIALS SHALL BE OF LOCAL STOCK (<50 MILES). SUBSTITUTIONS WITH LIKE PLANT / TREE STOCK IS ACCEPTABLE ONLY WITH PRIOR APPROVAL OF ENGINEER AND THE PLANNING BOARD OR ITS AUTHORIZED REPRESENTATIVE.



VAN ACCESSIBLE A.D.A. PARKING STALL DETAIL

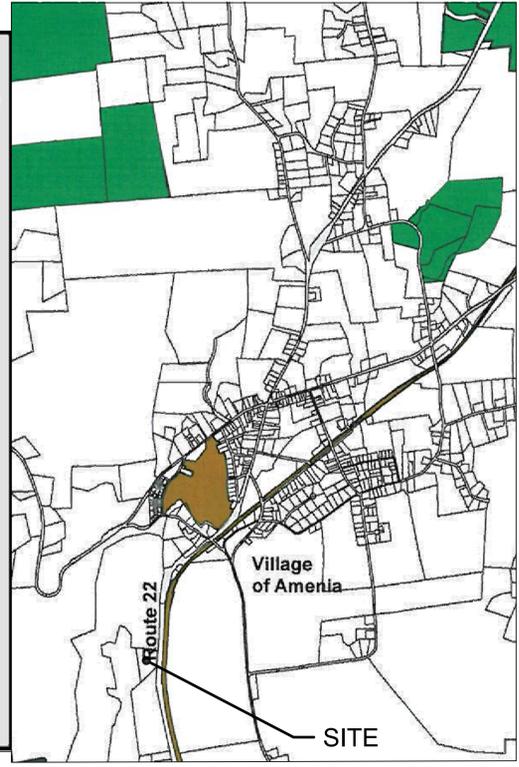


Legend
Zoning Districts
 HC Highway Commercial
 HM Highest Mixed-Use
 HR Highest Residential
 M Industrial/Manufacturing
 OC Office/Commercial/Industry Mixed-Use
 RA Rural Agricultural
 RR Rural Residential
 SR Suburban Residential
Overlay Districts
 Historic Preservation Overlay District
 Soil Mining Overlay District
 Mobile Home Overlay District
 Mixed Use Institutional Conversion Overlay District
 Resort Development Overlay District
 Parcel Boundaries
 Soil Mining Overlay Districts derived from reclamation maps by: Roy T. Budnik & Assoc. Inc. 817.603
 Roy T. Budnik & Assoc. Inc. 810.993
 H2H Associates LLC

LAND USE MAP

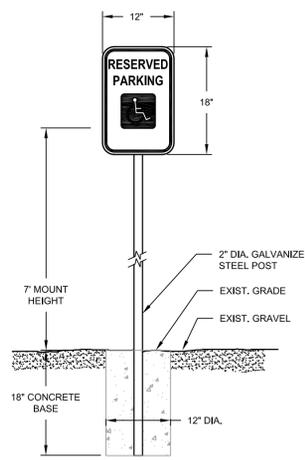
Habitat Map

- NW Corner of Property (69 Acres Shown)
- Habitat Name**
- Cultural
 - Circumneutral Bog Lake
 - Constructed Pond
 - Cool Ravine
 - Conifer Swamp
 - Calcareous Wet Meadow
 - Fen
 - Hardwood & Shrub Swamp
 - Intermittent Woodland Pool
 - Marsh
 - Mixed Forest Swamp
 - Orchard / Plantation
 - Open Water
 - Red Cedar Woodland
 - Upland Hardwood Forest
 - Upland Meadow
 - Upland Mixed Forest
 - Upland Shrub
 - Waste Ground
 - Wet Meadow



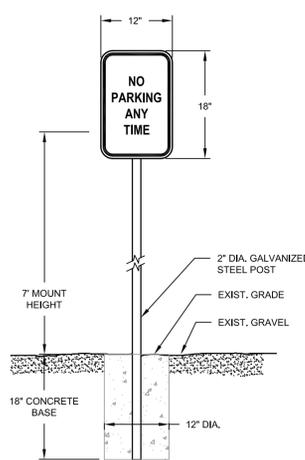
SIGNIFICANT HABITATS EXHIBIT

SCALE: 1" = 400'
 MAP NOTE:
 1. THIS MAP WAS PREPARED BY DUTCHESS LAND CONSERVANCY USING DIGITAL DATA PROVIDED BY HUDSONIA, LTD AS PART OF ITS STUDY ENTITLED "SIGNIFICANT HABITATS IN THE TOWN OF AMENIA", NAVA TABAK, KRISTEN BELL AND GRETCHEN STEVENS, HUDSONIA LTD, DECEMBER 2006.



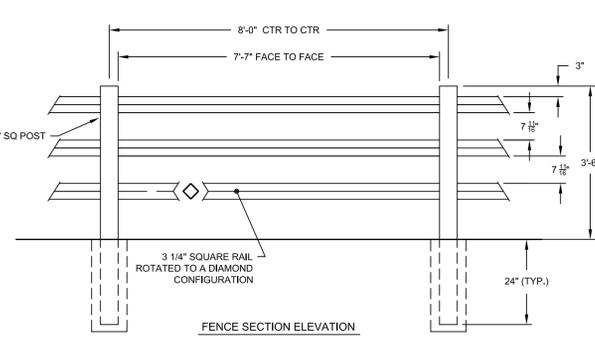
HANDICAP PARKING SIGN

NOTE:
 1. ALL SIGN DESIGNATION PER ADA SPECIFICATIONS.
 2. BACK OF SIGN TO BE PAINTED BROWN TO REDUCE GLARE.



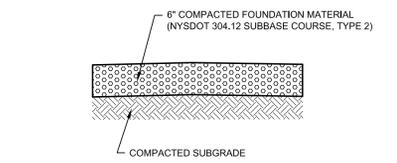
ACCESS AISLE SIGN

NOTE:
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 2. BACK OF SIGN TO BE PAINTED BROWN TO REDUCE GLARE.

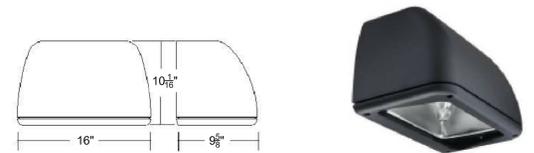


SPLIT RAIL FENCE DETAIL

NOTE:
 1. FOOTING WIDTH TO BE (2)x POST WIDTH. MINIMUM DEPTH 24".



GRAVEL PARKING AREA DETAIL



SCONCE LIGHT FIXTURE DETAIL

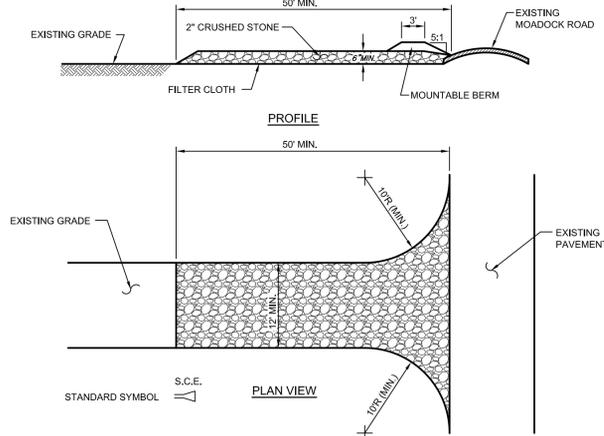
DATE	REVISION
6/28/2016	SHEET ADDED

ENGINEERING, DESIGN, & PLANS PREPARED BY:
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 CIVIL • ENVIRONMENTAL • STRUCTURAL
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AMENIA FISH & GAME						
TOWN OF AMENIA			DUTCHESS COUNTY, NY			
3 LANE INDOOR SUBSURFACE FIRING RANGE SITE DETAILS						
DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY	JOB NO.	SHEET NO.
4/15/15	AS NOTED	RED	RED	RAR	#14-021	2 of 3

SOIL EROSION AND SEDIMENT CONTROL NOTES:

- ALL SOIL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE "NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL" MANUAL. (REFERRED TO IN REMAINING TEXT AS "NEW YORK STANDARDS AND SPECIFICATIONS".)
- ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN FOURTEEN (14) DAYS, AND ARE NOT SUBJECT TO CONSTRUCTION TRAFFIC, SHALL IMMEDIATELY RECEIVE A TEMPORARY SEEDING. IF THE SEASON PREVENTS THE ESTABLISHMENT OF A TEMPORARY COVER, THE DISTURBED AREAS SHALL BE MULCHED WITH STRAW OR EQUIVALENT MATERIAL. THE SEEDING SHALL BE DONE IN ACCORDANCE WITH THE NEW YORK STANDARDS AND SPECIFICATIONS, AS FOLLOWS:
 - FERTILIZER: THE FERTILIZER SHALL BE APPLIED AT A RATE OF FOURTEEN (14) POUNDS PER ONE THOUSAND SQUARE FEET, USING 5-10-10 OR EQUAL.
 - SEED: ANNUAL RYE GRASS APPLIED AT A RATE OF 30 LBS./ACRE OR OTHER SELECT MIXTURE AS DESCRIBED IN THE NEW YORK GUIDELINES.
 - MULCH: SALT-HAY OR SMALL GRAIN STRAW APPLIED AT A RATE OF NINETY (90) POUNDS PER ONE THOUSAND SQUARE FT. OR TWO (2) TONS PER ACRE, TO BE APPLIED AND ANCHORED ACCORDING TO THE NEW YORK STANDARDS AND SPECIFICATIONS.
 - IN AREAS OF SLOPES STEEPER THAN ONE ON THREE AND IN DRAINAGE CHANNELS WHERE RUNOFF VELOCITIES EXCEED 2.5 FEET PER SECOND, JUTE MATTING SHALL BE USED TO STABILIZE SEED AND/OR PLANTED AREAS. JUTE MATTING SHALL BE INSTALLED AND ANCHORED IN ACCORDANCE WITH THE NEW YORK STANDARDS AND SPECIFICATIONS.
- ANY GRADED AREAS NOT SUBJECT TO FURTHER DISTURBANCE OR CONSTRUCTION TRAFFIC SHALL, WITHIN TEN (10) DAYS AFTER FINAL GRADING, RECEIVE PERMANENT VEGETATIVE COVER IN COMBINATION WITH A SUITABLE MULCH AS FOLLOWS:
 - FERTILIZER: FERTILIZER APPLIED AT A RATE OF TWENTY (20) POUNDS PER ONE THOUSAND SQUARE FEET USING 14-28-15 OR EQUAL.
 - SEED MIXTURE: TO BE PLANTED BETWEEN APRIL 1ST AND MAY 15TH OR BETWEEN AUGUST 15TH AND OCTOBER 15TH. MIXTURE SHALL BE 30% KENTUCKY BLUEGRASS BLEND, 50% PERENNIAL RYE GRASS AND 20% FINE FESCUE. SEED AT RATE OF 4 LBS./1000 SQUARE FEET.
 - MULCH: SALT-HAY OR SMALL GRAIN STRAW APPLIED AT A RATE OF NINETY (90) POUNDS PER ONE THOUSAND SQUARE FEET OR TWO (2) TONS PER ACRE TO BE APPLIED AND ANCHORED ACCORDING TO THE NEW YORK STANDARDS AND SPECIFICATIONS.
 - IN AREAS OF SLOPES STEEPER THAN ONE ON THREE AND IN DRAINAGE CHANNELS WHERE RUNOFF VELOCITIES EXCEED 2.5 FEET PER SECOND, "60in x 150in" OR EQUAL EROSION CONTROL MATTING SHALL BE USED TO STABILIZE SEED AND/OR PLANTED AREAS. "60in x 150in" SHALL BE INSTALLED AND ANCHORED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AS WELL AS THE NEW YORK STANDARDS AND SPECIFICATIONS.
- SLOPES STEEPER THAN ONE ON THREE SHALL BE STABILIZED IMMEDIATELY AFTER GRADING.
- PAVED ROADWAYS SHALL BE KEPT CLEAN AT ALL TIMES.
- THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORM WATER RUNOFF IS DIVERTED TO SOIL EROSION OR SEDIMENT CONTROL FACILITIES. EXCEPT FOR MINOR PERIMETER EMBANKMENT AREAS, ALL GRADED AREAS SHALL BE DIRECTED THROUGH ONE OF THE SEDIMENT BARRIERS. DIVERSION SWALES MAY BE USED TO DIRECT DRAINAGE RUNOFF UNTIL THE PERMANENT STORM DRAINAGE SYSTEM IS IN PLACE.
- DUST SHALL BE CONTROLLED BY SPRINKLING OR OTHER APPROVED METHODS.
- STOCKPILES SHALL NOT BE LOCATED WITHIN FIFTY FEET (50') OF ROADWAYS OR DRAINAGE FACILITIES. THE BASE OF ALL STOCKPILES SHALL BE PROTECTED BY SILT FENCE.
- SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AND MAINTAINED BY THE CONTRACTOR ON A DAILY BASIS TO ENSURE THAT TEMPORARY AND PERMANENT DITCHES, PIPES AND STRUCTURES ARE CLEAR OF DEBRIS, THAT EMBANKMENTS AND BERMS ARE NOT BREACHED, AND THAT ALL BARRIERS ARE INTACT.
- ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL FINAL ACCEPTANCE OF THE SITE WORK BY THE OWNER. UPON CERTIFICATION OF FINAL ACCEPTANCE, THE OWNER WILL ASSUME RESPONSIBILITY FOR THE CONTINUED MAINTENANCE OF PERMANENT SOIL EROSION AND SEDIMENTATION CONTROL MEASURES.
- THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE INSTALLED PRIOR TO ANY GRADING WORK BEING DONE ON SITE.

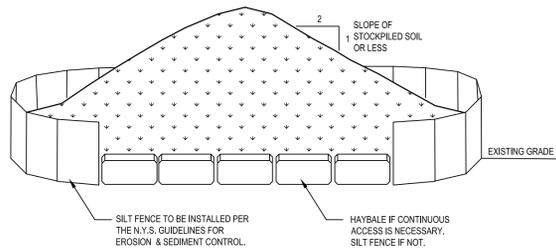


STABILIZED CONSTRUCTION ENTRANCE DETAIL

CONSTRUCTION SPECIFICATIONS

- STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT
- LENGTH - AS REQUIRED, BUT NOT LESS THAN 50' (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30' MINIMUM LENGTH WOULD APPLY).
- THICKNESS - NOT LESS THAN 6".
- WIDTH - 10' MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
- FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO THE PLACING OF STONE. FILTER WILL NOT BE REQUIRED ON A SINGLE FAMILY RESIDENCE LOT.
- SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES SHALL BE PERMITTED.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

N.T.S.

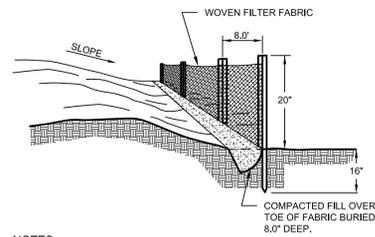


TEMPORARY SOIL STOCKPILE STABILIZATION DETAIL

NOTES:

- AREA CHOSEN FOR STOCKPILING SHALL BE DRY AND STABLE.
- MAXIMUM SLOPE OF STOCKPILE SHALL BE 2:1.
- UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR HAY BALES AND STABILIZED SEED AND MULCH OR JUTE MESH.
- SEE SPECIFICATIONS FOR INSTALLATION OF SILT FENCE.
- SIZE OF STOCKPILE SHALL NOT EXCEED THE LIMITATIONS OF DRAINAGE AREA PER SILT FENCE SPECIFICATIONS.
- INSTALL SILT FENCE A MINIMUM OF 10' FROM THE TOE OF THE STOCKPILE.

N.T.S.

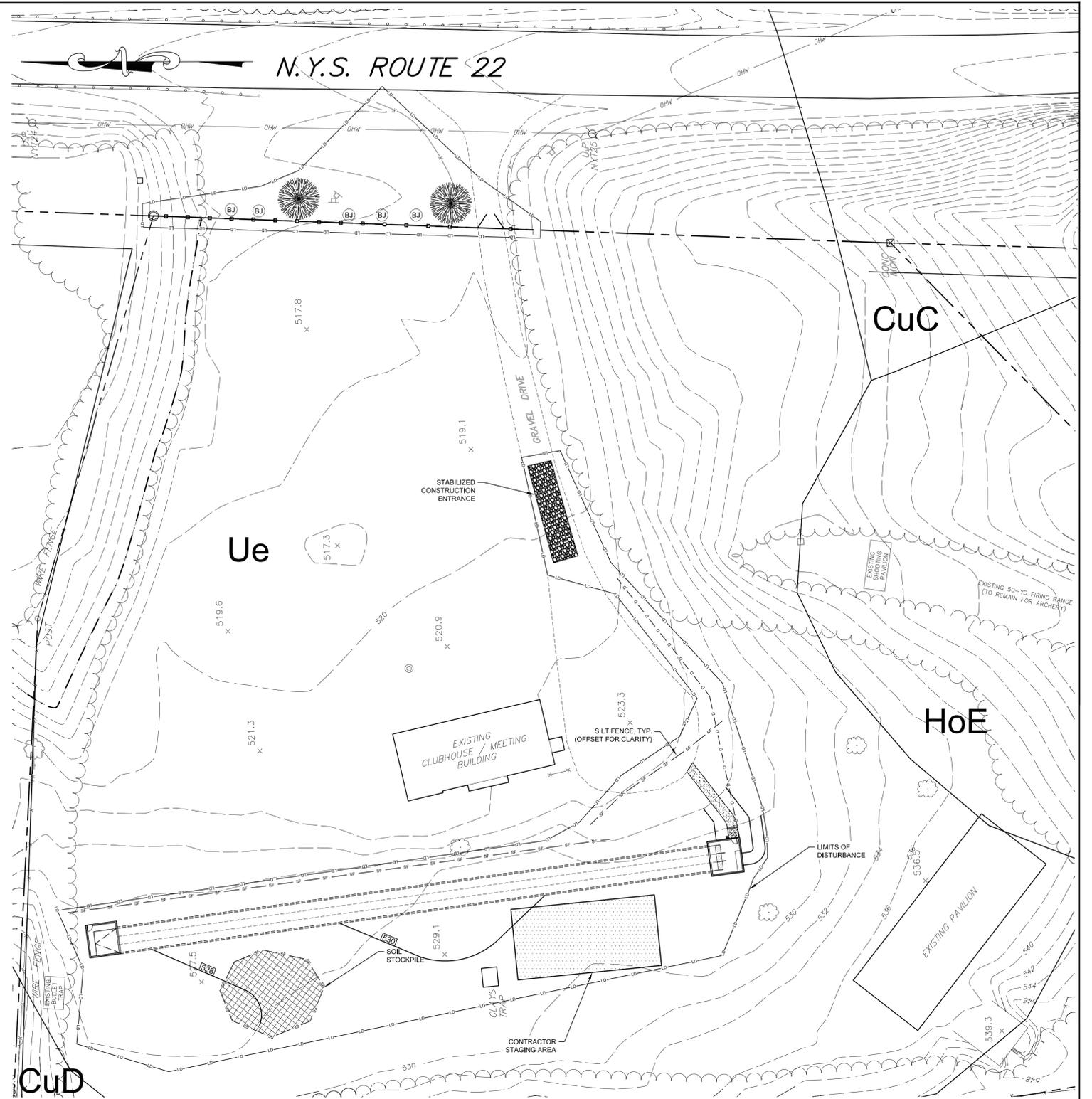


NOTES:

- LOCATE POSTS DOWNSIDE OF FABRIC TO HELP SUPPORT FENCING.
- BURY TOE OF FENCE APPROXIMATELY 6" DEEP TO PREVENT UNDERCUTTING.
- WHEN JOINTS ARE NECESSARY, SECURELY FASTEN THE FABRIC AT A SUPPORT POST WITH OVERLAP TO THE NEXT POST.

TYPICAL SILT FENCE DETAIL

N.T.S.



PLAN VIEW

SCALE: 1" = 30'

LEGEND

- PROPERTY LINE
- EXISTING CONTOUR
- EXISTING TREE LINE
- EXISTING WIRE FENCE
- LIMITS OF DISTURBANCE
- SILT FENCE
- SOIL TYPE BOUNDARY

DATE	REVISION	ENGINEERING, DESIGN, & PLANS PREPARED BY:	AMENIA FISH & GAME						
2/15/16	REVISED SITE PLAN LAYOUT	RENNIA ENGINEERING DESIGN, PLLC CIVIL • ENVIRONMENTAL • STRUCTURAL	TOWN OF AMENIA DUTCHESS COUNTY, NY						
6/28/16	REVISED PER PLANNING BOARD COMMENTS		3 LANE INDOOR SUBSURFACE FIRING RANGE EROSION & SEDIMENT CONTROL DETAILS						
		6 Dover Village Plaza, Suite 5, P.O. Box 400, Dover Plains, NY 12522 Tel: (845) 877-0555 Fax: (845) 877-0556 Copyright 2015, All Rights Reserved	DATE	SCALE	DESIGNED BY:	DRAWN BY:	CHECKED BY:	JOB NO.	SHEET NO.
		IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW FOR ANY PERSON TO ALTER THESE PLANS, SPECIFICATIONS OR REPORTS IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER.	4/15/15	AS NOTED	RED	RED	RAR	#14-021	3 of 3