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

PROJECT: YOUNG SUBDIVISION
PROJECT NO.: 20-02
PROJECT LOCATION: SECTION 8, BLOCK 1, LOT 52.2 Town of Newburgh
SECTION 108.004, BLOCK 5, LOT 20.21 & 20.3 Town of Marlborough
REVIEW DATE: 24 JUNE 2020
MEETING DATE: 2 JULY 2020
PROJECT REPRESENTATIVE: ENGINEERING AND SURVEYING PROPERTIES

1. The Town of Marlborough Planning Board as Lead Agency issued a Negative Declaration for the project.
2. The project is before the Board for a public hearing. The Town of Marlborough Planning Board, held a public hearing on 18 May 2020.
3. Both Town's Planning Board Attorney's are working with the applicant to address filing of deeds/covenants which will permanently connect the parcels which span the Town/County lines.

Respectfully submitted,

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

Patrick J. Hines
Principal

PJH/dns



www.EngineeringPropertiesPC.com
71 Clinton Street
Montgomery, NY 12549
phone: (845) 457-7727
fax: (845) 457-1899

May 4, 2020

Town of Marlborough Planning Board
21 Milton Turnpike
Milton, NY 12547

ATTN: Chris Brand, Chairman

**RE: APPLICATION #2020-02
50 MILL HOUSE ROAD
TAX LOT # 108.004-5-20.21**

Dear Mr. Brand:

Please find attached 12 copies of the revised plan set for the above referenced project. The plans have been revised in accordance with a review comment letter prepared by the Ulster County Planning Department dated April 1, 2020 and a comment letter from McGoey, Hauser and Edsall Consulting Engineers, D.P.C. dated 17 April 2020. Below is a comment by comment response to each comment letter:

Ulster County Planning Recommendations:

Ulster County Health Department Review

An application was made to the Ulster County Department of Health on February 27, 2020 for Realty Subdivision approval which is currently under review for the approval of the proposed well and septic systems located on Lots 1 & 4. It should be noted that the proposed well on Lot 4 is located a distance greater than 200' away from the existing subsurface septic system on Lot 3. In addition, the existing driveway for Lot 3 provides a natural surface break in drainage patterns from the developed area of Lot 3 and the proposed area of Lot 4 therefore any speculative failure of the septic on Lot 4 will not impact the proposed improvements of Lot 4.

Archaeology Survey

In accordance with SEQR requirements a Phase 1A & 1B archaeology survey was completed for the project. The report has been submitted to New York State Historic Preservation Office for their review. In addition, below is the conclusion and recommendations directly from the report (copy attached).

The Phase 1A had determined that based upon topographic characteristics and proximity to prehistoric sites, the property was assessed as having an above average potential for encountering prehistoric sites. Based upon topographic characteristics and proximity to historic sites, historic map documented structures and roads, the property was assessed as having a higher than average potential for encountering historic sites.

During the course of the Phase IB archaeological field survey, 65 ST's were excavated. No prehistoric artifacts or features were encountered. No historic artifacts or features were encountered. No further work is recommended.

Driveway – Advisory Comment

In accordance with additional comments received from the Town Engineer and planning board members, the proposed driveway for Lot 4 has been combined with the existing driveway of Lot 3 and a common access easement has been shown on the plan and will be filed with the Ulster County Clerk's office.

McGoey, Hauser & Edsall

1. As stated above, an application was made to the Ulster County Department of Health on February 27, 2020 for Realty Subdivision approval which is currently under review for the approval of the proposed well and septic systems located on Lots 1 & 4. In addition, joint soil testing was originally scheduled for March 19, 2020, however due to the ongoing COVID-19 pandemic, the UCHD advised that although they would be unable to be present that the soil testing consisting of test-pits should still be performed and submit photos along with the standard documentation paperwork for their review.
2. An environmental subconsultant, Peter Torgersen, prepared a letter (copy attached) regarding the potential impact on the Bald Eagle. The letter was electronically submitted to the NYSDEC on April 17, 2020 and a response has not been received to date.
3. As stated above, a Phase 1A & 1B archaeology survey was completed for the project with a recommendation of no further studies. The report has been submitted to New York State Historic Preservation Office for their review.
4. A copy of the plans was e-mailed and hard copy of this submission has been sent to the Highway Superintendent for his comments.
5. A response to the Ulster County Planning Comments are above. A copy of the response to the Town of Newburgh, including responses to Orange County Planning comments are attached.
6. No response required.
7. The following note has been added to the plans regarding the requirement of covenants to be filed for Lots 2, 3 & 4 in both Ulster and Orange County Clerk's Office.

Lots 2, 3 & 4 (although considered as single lots for building purposes) encompass separate tax lots in the Town of Marlborough and the Town of Newburgh. Restrictive covenants shall be filed with the County of Ulster and county of Orange Clerks' offices ensuring that individual tax lots cannot not be sold, transferred, or foreclosed on separately.

If you have any additional questions and/or comments, please don't hesitate to contact this office.

Sincerely,
Engineering & Surveying Properties, PC



Jay Samuelson, P.E.
Principal

encl.

cc: David & Susan Young
Patrick Hines, MHE
Town of Newburgh Planning Board



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May 4, 2020

Town of Newburgh Planning Board
308 Gardnertown Road
Newburgh, NY 12550
ATTN: John Ewasutyn, Chairman

**RE: APPLICATION #2020-02
50 MILL HOUSE ROAD
TAX LOT # 8-1-52.2**

Dear Mr. Ewasutyn:

Please find attached 12 copies of the revised plan set for the above referenced project. The plans have been revised in accordance with a review comment letter prepared by the Orange County Planning Department dated March 11, 2020 and a comment letter from McGoey, Hauser and Edsall Consulting Engineers, D.P.C. dated April 2, 2020. Below is a comment by comment response to each letter:

Orange County Planning:

Comments:

1. In accordance with SEQR requirements a Phase 1A & 1B archaeology survey was completed for the project. The report has been submitted to New York State Historic Preservation Office for their review. In addition, below is the conclusion and recommendations directly from the report (copy attached).

The Phase IA had determined that based upon topographic characteristics and proximity to prehistoric sites, the property was assessed as having an above average potential for encountering prehistoric sites. Based upon topographic characteristics and proximity to historic sites, historic map documented structures and roads, the property was assessed as having a higher than average potential for encountering historic sites.

During the course of the Phase IB archaeological field survey, 65 ST's were excavated. No prehistoric artifacts or features were encountered. No historic artifacts or features were encountered. No further work is recommended.

2. An environmental subconsultant, Peter Torgersen, prepared a letter (copy attached) regarding the potential impact on the Bald Eagle. The letter was electronically submitted to the NYSDEC on April 17, 2020 and a response has not been received to date.

Advisory Comments:

Safe Drinking Water:

An application was made to the Ulster County Department of Health on February 27, 2020 for Realty Subdivision approval which is currently under review for the approval of the proposed well and septic systems located on Lots 1 & 4. It should be noted

that the proposed well on Lot 4 is located a distance greater than 200' away from the existing subsurface septic system on Lot 3. In addition, the existing driveway for Lot 3 provides a natural surface break in drainage patterns from the developed area of Lot 3 and the proposed area of Lot 4 therefore any speculative failure of the septic on Lot 4 will not impact the proposed improvements of Lot 4.

Driveway Locations:

In accordance with additional comments received from the Town Engineer and planning board members, the proposed driveway for Lot 4 has been combined with the existing driveway of Lot 3 and a common access easement has been shown on the plan and will be filed with the Ulster County Clerk's office.

McGoey, Hauser & Edsall

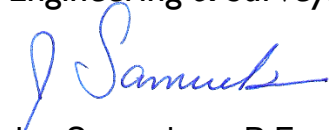
1. No response required.
2. No response required.
3. The following note has been added to the plans regarding the requirement of covenants to be filed for Lots 2, 3 & 4 in both Ulster and Orange County Clerk's Office.

Lots 2, 3 & 4 (although considered as single lots for building purposes) encompass separate tax lots in the Town of Marlborough and the Town of Newburgh. Restrictive covenants shall be filed with the County of Ulster and county of Orange Clerks' offices ensuring that individual tax lots cannot not be sold, transferred, or foreclosed on separately.

4. As stated above, a Phase 1A & 1B archaeology survey was completed for the project with a recommendation of no further studies.
5. As stated above, an environmental subconsultant, Peter Torgersen, prepared a letter (copy attached) regarding the potential impact on the Bald Eagle.
6. It is understood that a public hearing will not be scheduled until the Town of Marlborough completes SEQR. We anticipate that to be completed on May 18, 2020.

If you have any additional questions and/or comments, please don't hesitate to contact this office.

Sincerely,
Engineering & Surveying Properties, PC



Jay Samuelson, P.E.
Principal

encl

cc: David & Susan Young
Patrick Hines, MHE
Town of Marlborough Planning Board

PETER D. TORGERSEN,
ENVIRONMENTAL SCIENCES

110 Town Line Road, Pearl River New York 10965, 845 642 8939 petertorger271@gmail.com

April 4, 2020

Michael Lynch
Engineering & Surveying Properties PC
71 Clinton street
Montgomery, New York 12549

Re: Young Subdivision/Bald Eagle Habitat

Dear Mr. Lynch,

The above site is located about ½ mile from the west bank of the Hudson River which is a waterbody known to be used by Bald Eagles. Bald Eagles were once threatened but have made a comeback and in 2007 were removed from the Federal Endangered Species List. The Bald Eagle is now commonly sighted over the Hudson, Neversink, Rondout and Delaware Rivers. The NY City Reservoirs are also popular locations for seeing Bald Eagles There are still regulations that can inhibit construction if an eagle nest is located in the vicinity. If construction is visible from a known nest site a 660 foot buffer must be used. If construction is not visible from the nest than a 330 foot buffer must be used.

The Bald Eagle is one of the largest birds of prey found in North America. It's primary food is fish however if the opportunity presents itself it will also pursue small mammals, waterfowl, seabirds and during winter, carrion. They can live over 30 years and mate for life. Once a pair chooses a nest site they use it for the rest of their lives. Nests are always a short distance from a waterbody and almost always a White Pine. The White Pine is chosen because it usually rises above the forest canopy and the spacing of the limbs on large Pines allows the Eagles to glide into the nest. The close proximity to water is important because it allows the eagle bring fish back to the nest when feeding the young.

The project site is a 10.68 acre site that currently has 2 existing homes. The proposed subdivision will create lots for 2 additional homes. The onsite habitat is all early successional forest with the usual lawns and driveways for the two homes. There are no large towering White Pines onsite. The area south of Millhouse Road does have the occasional large White Pine however this location is just too far from the Hudson River to be considered potential habitat. Eagles nest along the edge of feeding areas where they can look from the nest out over the water. This site is located on the far side of a small hill that stands between it and the Hudson. The existing residences and their associated noises and lights also remove this location from consideration. I was limited to walking just the subject parcel however because of the seasonal lack of leaves I could see quite

far and observed no existing nests on any directly adjacent parcel. The DEC Environmental mapper does not indicate that any Bald Eagle nests are known to be in the vicinity just that it is close to the Hudson River. The proposed further development of this site will have no impacts and Eagles or potential Eagle habitat.

Yours truly,

A handwritten signature in cursive script that reads "Peter Torgersen". The signature is written in dark ink and is positioned above the printed name.

Peter Torgersen



**Parks, Recreation,
and Historic Preservation**

ANDREW M. CUOMO
Governor

ERIK KULLESEID
Commissioner

May 04, 2020

Michael Lynch
Project Engineer
Engineering & Surveying Properties, PC
71 Clinton Street
Montgomery, NY 12549

Re: SEQRA
Young Subdivision
50 Mill House Rd, Marlboro, NY 12542
20PR01674
20-02

Dear Michael Lynch:

Thank you for requesting the comments of the Division for Historic Preservation of the Office of Parks, Recreation and Historic Preservation (OPRHP) as part of your SEQRA process. These comments are those of OPRHP and relate only to Historic/Cultural resources. They do not include potential environmental impacts to New York State Parkland that may be involved in or near your project. Such impacts must be considered as part of the environmental review of the project pursuant to the State Environmental Quality Review Act (New York Environmental Conservation Law Article 8) and its implementing regulations (6 NYCRR Part 617).

If this project will involve state or federal permitting, funding or licensing, it may require additional review for potential impacts to architectural and archaeological resources, in accordance with Section 106 of the National Historic Preservation Act or Section 14.09 of NYS Parks Recreation and Historic Preservation Law.

OPRHP has reviewed *Phase I Archaeological Investigation at 50 Mill House Road, Townships of Newburgh, Orange County and Marlborough, Ulster County, New York* (Tracker Archaeology, April 2020). Based on the information provided, OPRHP has no concerns regarding the proposed project under SEQRA. Should the project design be changed, we recommend further consultation with this office.

If you have any questions, please don't hesitate to contact me.

Sincerely,

Philip A. Perazio, Historic Preservation Program Analyst - Archaeology Unit
Phone: 518-268-2175
e-mail: philip.perazio@parks.ny.gov

via email only

cc: John Ewasutyn, Town of Newburgh; Virginia Flynn, Town of Marlborough

Division for Historic Preservation

P.O. Box 189, Waterford, New York 12188-0189 • (518) 237-8643 • parks.ny.gov

Phase I Archaeological Investigation at 50 Mill House Road
Townships of Newburgh, Orange County and Marlborough, Ulster County, New York

April 2020

Prepared for:
Engineering & Surveying Properties, Montgomery, New York

Alfred G. Cammisa, M.A.
with Alexander Padilla

MANAGEMENT SUMMARY

PR#:

20PR01674

Involved agencies:

Town of Marlborough, Ulster County
Town of Newburgh, Orange County
NYDEC

Phase:

Phase IA & IB

Location:

Town of Newburgh, Orange County
Town of Marlborough, Ulster County

Survey Area:

Length: up to 500 feet (152meters) north-south
Width: about 440 feet (134 m) east-west
Acres Surveyed: 4.5 acres (1.8 hectares) with steep slopes

USGS:

Wappingers Falls, NY

Survey overview:

ST no. & interval: 65 ST's at 50 ft (15m) intervals
Size of freshly plowed area: na
Surface survey transect interval: na

Results:

No prehistoric or historic remains

Structures:

No. Of buildings/structures/cemeteries in project area: overhead utility lines
No. Of buildings/structures/cemeteries adjacent to project area: 4 dwellings
No. Of previously determined NR listed or eligible buildings/structures/cemeteries/districts: none
No. Of identified eligible buildings/structures/cemeteries/districts: none

Authors:

Alfred G. Cammisa, M.A.
Alexander Padilla, B.A.

Date of Report:

Report completed April, 2020

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INTRODUCTION

Between April 1 and 16, 2020, TRACKER Archaeology, Inc. conducted a Phase IA and IB Archaeological Investigation at 50 Mill House Road, Townships of Newburgh, Orange County and Marlborough, Ulster County, New York.

The purpose of the Phase IA documentary study was to determine the prehistoric and historic potential of the project area for the recovery of archaeological remains. The Phase IA was implemented by a review of the original and current environmental data, archaeological site files, other archival literature, maps, interviews, and documents. The prehistoric and historic site file search was conducted utilizing the CRIS resources of the New York State Historic Preservation Office in Waterford. Various historic web sites may have been queried via the internet to review any pertinent site information.

These investigations have been conducted in accordance with the standards set forth by the New York Archaeological Council and the New York State Historic Preservation Office.

The Phase IB survey provided actual evidence for the presence or absence of any archaeological sites within the property through ground surface and subsurface field testing.

The project area consists 2 proposed lots, Lots 1 & 4, about 4.5 acres with steep slopes, from a larger property. The property as a whole is located at 50 Millhouse Road, Marlborough, NY. It is bound to the north by Mill House Road and to the remaining sides by private properties.

The investigation was completed by TRACKER Archaeology, Inc. of Monroe, New York. Prehistoric and historic research was conducted by PI, Alfred G. Cammisa, M.A. Field work was conducted by Alfred G. Cammisa, crew chief, Alfred T. Cammisa, and field technicians, Bryan Hague, B.A. and Eric Hague, B.A. Report preparation was by Alfred G. Cammisa with Alexander Padilla (CAD).

The work was performed for Engineering & Surveying Properties, Montgomery, New York.

ENVIRONMENT

Geology

The study area is located in the southeast portion of New York State in the northeast part of Orange County and the southern section of Ulster County.. This region of New York lies within the Ridge and Valley Physiographic Province near the interface of the Hudson Highlands. This province, also known as the Newer Appalachians, extends from Lake Champlain to Alabama. It passes as a narrow lowland belt between the New England Uplands (Taconic Mountains and Hudson Highlands) to the east and the Appalachian Plateau (Catskill and Shawangunk Mountains) and Adirondack Mountains to the west. The characteristic topography is a succession of parallel valleys and ridges trending roughly in a northeasterly direction. This is a region of sedimentary rocks which were easily eroded and subjected to folding or bedding of the rock layers. The eastern limit of the Ridge and Valley Province is a broad, well-defined valley, 300 to 600 feet above sea level, known as the Great Valley. In the vicinity of Ellenville, the Great Valley is called the Wallkill Valley (Schuberth 1968: cover map, 16-18; Isachsen et al 2000: 4, 53-54; New York-New Jersey Trail Conference 1998: cover map).

Soils and Topography

Soils on the project area consist of:

Name	Soil Horizon Depth in(cm)	Color	Texture Inclusion	Slope %	Drainage	Land-form
Bath-Nassau	Ap=0-6n (0-15cm) B=6-11 (-28)	10YR4/3-3/3 10YR5/4	GrSiLo or ShSiLo	8-25	Well	Glacial till
Chenango	Ap= 0-9in (0-22cm) B= 9-15(-38)	10YR3/4 10YR5/6	GrSiLo	3-8 & 8-15	well	glacial outwash
Hoosic	Ap= 0-8in (0-20cm) B2= 8-14(-36)	10YR3/4 10YR5/6	GrLo & GrSaLo	3-8 & 5-16	Well	Glacial outwash
Mardin	Ap= 0-8in (0-20cm) B2= 8-15(-38)	10YR4/3 10YR5/6	GrSiLo	3-8, 8-15	well	glacial till

(Tornes 1979:map, 16-17, 26, 32, 110,114, 117; Olsson 1981:map#7; 35, 38-39, 93, 95).

KEY:

Shade: Lt=Light, Dk=Dark, V=Very

Color: Br=Brown, Blk=Black, Gry=Gray, Gbr=Gray Brown, StBr=Strong Brown, Rbr=Red Brown, Ybr=Yellow Brown

Soils: Si=Silt, Lo=Loam, Sa=Sand, Cl=Clay

Other: Sh=shale, M=Mottle, Gr=Gravelly, Cb=cobbles, Ch=channery, Fi=Fine,/=or

Elevations on the project areas range from approximately 150 to 200 feet above mean sea level.

Hydrology

The project area is about 640 feet east of a tributary of Lattingtown Creek. The tributary and Lattingtown Creek intersect near the mouth of the Hudson River.

Vegetation

The predominant forest community in this area was probably the Oak Hickory. This forest is a nut producing forest with acorns and hickory nuts usually an obvious part of the leaf litter on the forest floor. The Oak Hickory Forest intermingles with virtually all other forest types. The northern extension of this forest community was also originally called the Oak-Chestnut forest, before the historic Chestnut blight (Kricher 1988:38, 57-60).

At the time of the Phase IB field work, the property consisted of a woods and thicket with some high canopy trees, middle story and undergrowth of briars and saplings.

PREHISTORIC POTENTIAL

A prehistoric site file search was conducted at the New York State Historic Preservation Office. The search included a 1 mile radius around the study area. The following sites were recorded:

NYSM Site	NYSHPO Site	Distance from APE ft(m)	Site Type
	11150.000004	4718(1438)	Indian Burial Ground:On hill overlooking creek adjacent to colonial cemetery
Cant read (obscured by 15SR00358/ DEP ACES Architectural survey area)		5053+ (large circle) (1540+)	NA

Assessing the known environmental and prehistoric data, we can summarize the following points:

- The project ares is about 640 feet east of a tributary of Lattintown Creek.
- The property contains level to steeply sloping terrain with well drained soils.
- Prehistoric sites are situated in the vicinity of the project area.

In our opinion, the study area has an above average potential for the recovery of prehistoric sites. The type of site encountered could be a procurement/processing site from the Woodland or Archaic periods.

HISTORIC POTENTIAL

Seventeenth Century

At the time of European contact and settlement, the study area and surrounding territory were probably occupied by either the Warranawokongs or the Waoranecks people, both of which interfaced near the study area. Both are branches of the Delaware linguistic group (Hearne Brothers nd:wall map; Becker 1993:19).

At the time of European contact and settlement, the study area was probably occupied by the Minsi group proper. The Waoranecks lived between Stony Point and Danns Kammer (near Newburgh Bay) with their western boundary unknown. The Waoraneck people were likely a sub-branch and/or clan or village related to the large Munsee (Minsi) tribe belonging to the Delawarean linguistic family. The term "Minsi" (or "Munsee") means people of the stony country" or abbreviated as "mountaineers" (Ruttenber 1992A:35, 44-45, 49-50, 93; Ruttenber 1992A:221; Becker 1993:16-22; Hearne Brothers nd:wall map; Weslager 1991:45; Synder 1969:2).

Population estimates for the Munsee are 600 to 800 individuals. The Munsee are described by Becker (1993:18) as possibly horticultural.

According to Ruttenber (1992A:94-95) the Warranawonkongs were an Esopus chieftaincy. The Warranawonkongs occupied a territory which extended from the Dans-Kammer to the Katskill mountains and which included the Walkkill drainage as well as the Shawangunk and Esopus.

Population of the Esopus were approximately 300. They are reported as foragers according to Becker (1993:18).

An Indian fort was supposed to have been constructed along the Shawangunk Kill. The fort was destroyed by Captain Kreiger and his men while pursuing the Indians for the recapture of the prisoners taken at the Esopus and Hurley massacres in 1663 (Foote 1907:377).

After the fort and cornfields were destroyed by Kreiger and his men (outside Indians and Dutch), a second fort was constructed about 4 hours from the original. It was located on the east bank of the Shawangunk Kill in Shawangunk. Kreiger destroyed the second fort as well. Both forts were located along Indian foot trails (Ruttenber 1992A:149-152; Ruttenber 1992B:391).

Eighteenth Century

In 1714, Luis Moses Gomez, the first Sephardic Jew in the county, purchased 2500 acres where several Indian trails converged and built a house near a stream. That stream was a central gathering place and camping ground for the local Indians. Luis and his son conducted a thriving fur trade with the Indians at the Mill House for more than 30 years (Mathews 1983).

The City of Newburgh was founded in 1709 by a group of more than 50 (Palatines) Germans from the Palatine. The area became known as the Palatine Parish Patent. However, by 1740, many soon left for Pennsylvania or died off. By 1743, they were followed by immigrants from England, particularly the Ulster-Scotch to whom were transmitted all previous claims of the Germans, both in territory and church. By 1752 the settlement was given the name of Newburgh, in memory of Newburgh, Scotland. One of the most prominent Scottish residents was Jonathan Hasbrouck, a landowner and businessman, who bought a large tract of land and built a home that would later become George Washington's headquarters (Anonymous 1910:3; [www.newburghrevealed](http://www.newburghrevealed.com) 2002).

During the Revolutionary War, the Mill House was sold to a Dutch-American patriot and used as a meeting center for the Patriot army. During the war the house had a second floor built (Mathews 1983).

The 1779 Sauthier map shows the study property located on the Marlborough-Newburgh border along the Albany Post Road (Figure 3).

Nineteenth Century

Newburgh soon became a thriving village. By mid-century, the population approximated seven thousand. There had been some drift of Holland-Dutch from Columbia County, Orange County, Dutchess County, Putnam County, Westchester County, and other adjoining counties to Newburgh and it became apparent that a Dutch Reform Church was needed. In 1834 the Reverend Cruikshank was sent to Newburgh as a missionary to try to gather a Dutch church. The beginning of the church in Newburgh was feeble, but by 1835 meetings and services were being held in the Associate Reformed Church at First and Grand Streets (Anonymous 1910:4; [www.newburghrevealed](http://www.newburghrevealed.com) 2002).

The 1850 Sydney Map of Newburgh depicts the project area with a structure across Mill House Road (Figure 4).

The 1853 map of Marlborough shows a house across Mill House Road (Figure 5).

The 1875 Beers atlas of Marlborough shows no structures on or immediately adjacent to the project area (Figure 6).

The 1875 Beers atlas of Newburgh shows no structures on or immediately adjacent to the project area (Figure 7).

Local industries included fruit as the principal industry, eiderdown & wool, a crate factory, as well as summer boarding vacation, at this time (Mathews 1983).

Twentieth Century

The 1903 USGS map depicts two structures immediately on or adjacent to the project area (Figure 7).

An historic site file search was conducted at the New York State Historic Preservation Office. The search included a 1 mile radius around the study area. The following sites were recorded:

NYSM Site	NYSHPO Site	Distance from APE ft(m)	Site Type
	7114.000142	967(295)	Gomez Mill House root cellar locus: above ground, 1860-1880 w/ironstone, whiteware, porcelain, stoneware, redware, kaolin pipes, bottle glass, faunal, etc.
	7114.000224	3534(1077)	Conway Tenant house 1: complete superstructure, late19th-early20th century
	1115.000005	4847(1477)	Smith's Burial Ground: on hill overlooking Old Man's Creek

Assessing the known environmental and historic data, we can summarize the following points:

- The project area is about 640 feet east of a tributary of Lattintown Creek.
- The property contains to steeply sloping terrain with well drained soils.
- Historic sites are in the neighborhood of the project area and the road is historic.
- Historic map documented structures were on or immediately adjacent to the project area at one time or another.

In our opinion, the project parcel has a higher than average potential for the recovery of nineteenth century sites.

FIELD METHODS

Walkover

Covered ground terrain was reconnoitered at about 15 meter intervals, or less, to observe for any above ground features, such as berms, rock configurations, or depressions, which might be evidence for a prehistoric or historic site. Photographs were taken of the project area.

Shovel Testing

Shovel tests were excavated at 15 meter intervals across the project area. Steep slopes were avoided due to their poor potential for encountering archaeological sites. Each shovel test measured about 30 to 40 cm. in diameter and was dug into the underlying subsoil (B horizon) 10 to 20 cm. when possible. All soils were screened through 1/4 inch wire mesh and observed for artifacts. All shovel tests (ST's) were mapped on the project area map at this time.

Soils stratigraphy was recorded according to texture and color. Soil color was matched against the Munsell color chart for soils. Notes on ST stratigraphy and other information was transcribed on field forms and in a notebook.

FIELD RESULTS

Field testing of the project area included the excavation of 65 shovel tests. No prehistoric artifacts or features were encountered. No historic artifacts or features were encountered. Heavy dumping was evident on proposed Lot 4 consisting of large amounts of cut trees and branches, wood chips and wood chip mulch, discarded trucks, cars, machinery, and wood furniture, braces, etc. Some of the slopes on Lot 4 appeared to have been terraced at some time in the past, possibly to support an apple orchard.

Stratigraphy

Stratigraphy across the project corridor consisted of:

- O horizon -2 to 6 cm. thick of root mat, leaf litter, and humus.
- A horizon - 20 to 25 cm. thick of 10YR4/3 brown gravelly loam.
- B horizon - 10 or more dug into of 10YR5/6, yellow brown gravelly loam.

CONCLUSIONS AND RECOMMENDATIONS

The Phase IA had determined that based upon topographic characteristics and proximity to prehistoric sites, the property was assessed as having an above average potential for encountering prehistoric sites. Based upon topographic characteristics and proximity to historic sites, historic map documented structures and roads, the property was assessed as having a higher than average potential for encountering historic sites.

During the course of the Phase IB archaeological field survey, 65 ST's were excavated. No prehistoric artifacts or features were encountered. No historic artifacts or features were encountered. No further work is recommended.

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1957 Newburgh, New York quadrangle map, 7.5 minute series.

1903 Newburgh, New York quadrangle map, 15 minutes series.

APPENDIX 1

Figure 1

N

Wappingers Falls, NY USGS

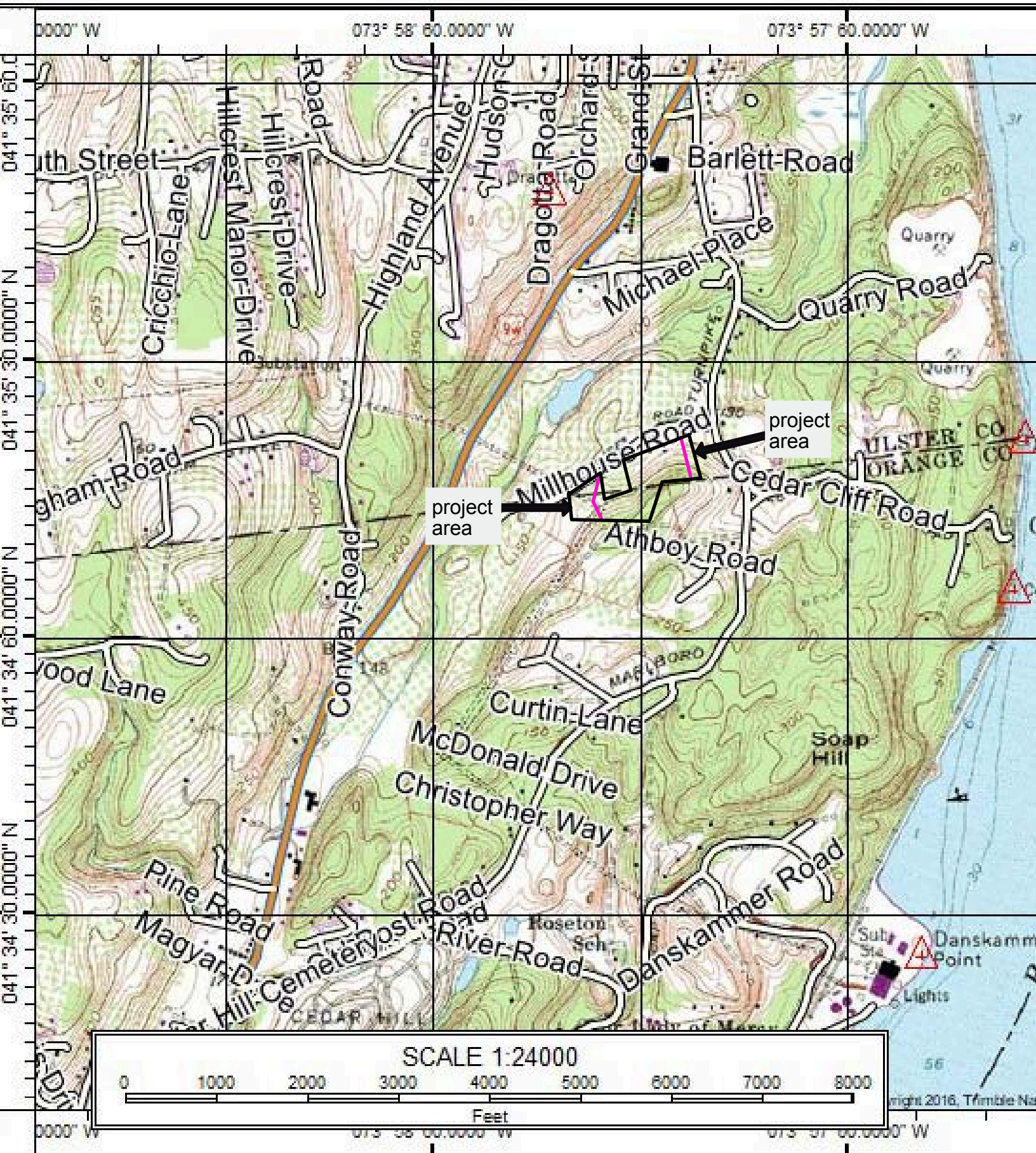
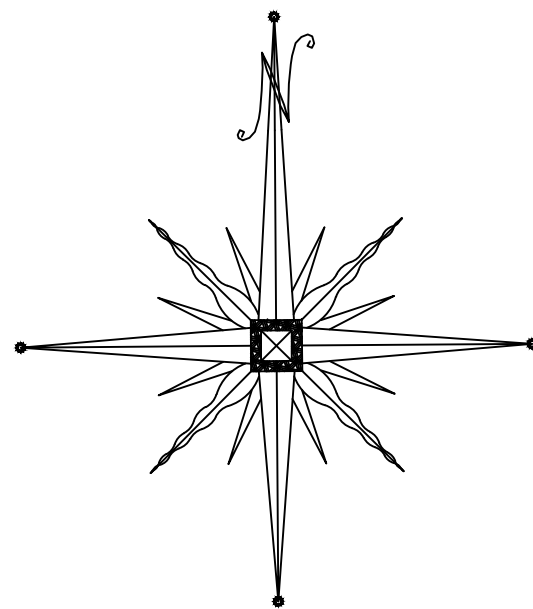
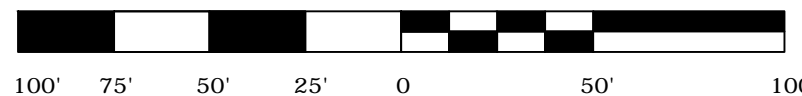


FIGURE 2: LOCATION OF SHOVEL TESTS

- ∇ PHOTO ANGLE
- NEGATIVE SHOVEL TEST
- PROJECT BOUNDARY(A.P.E.)

SCALE: 1 INCH = 50 FEET



PROJECT NAME: 50 MILL HOUSE RD

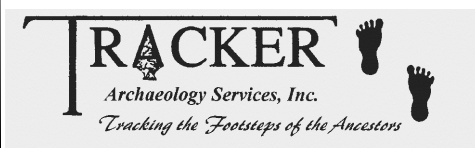




Figure 3
1779 Sauthier map

N



Project vicinity

Figure 4
1850 Sydney map

N

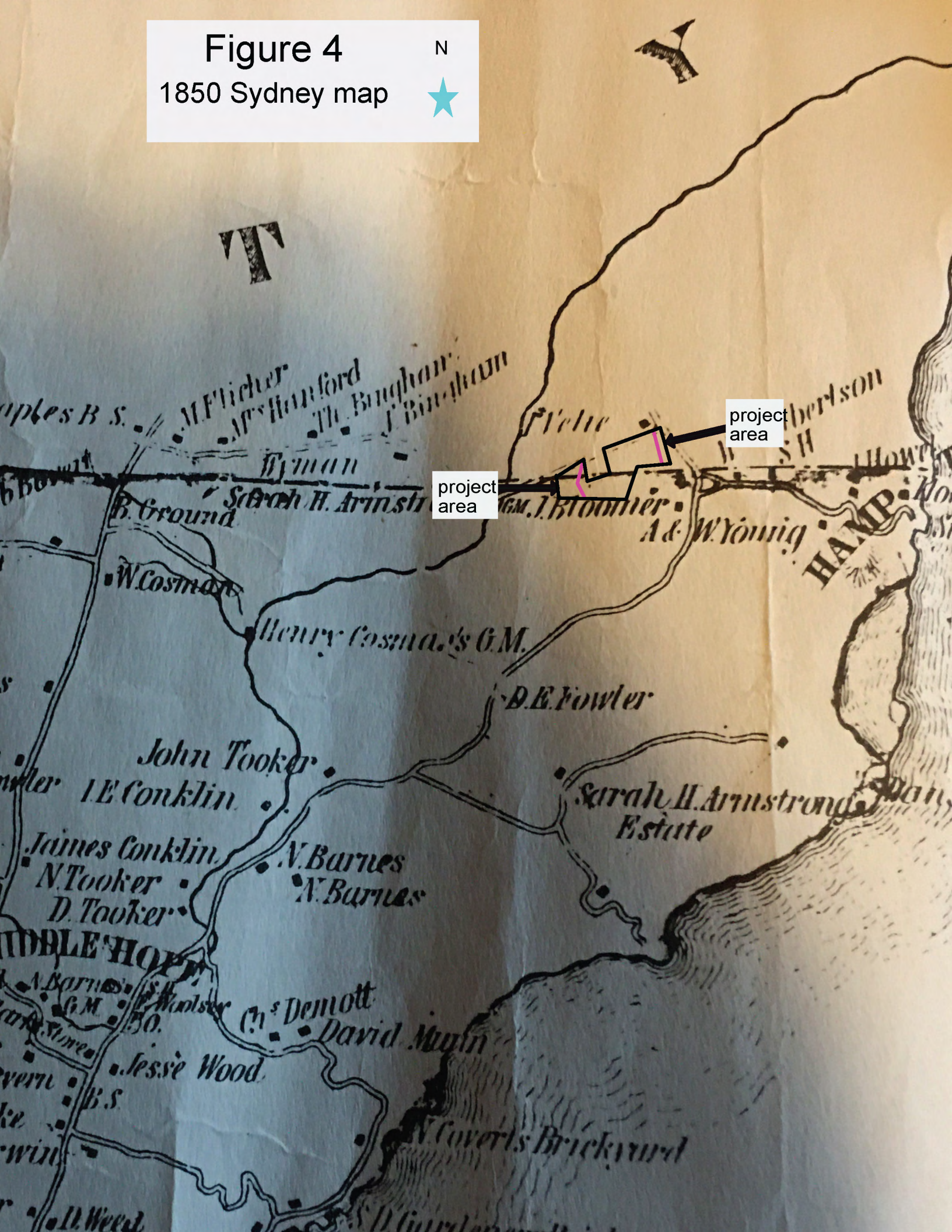


Figure 5

1853 Landownership map

N



Figure 6

1875 Beers atlas

N

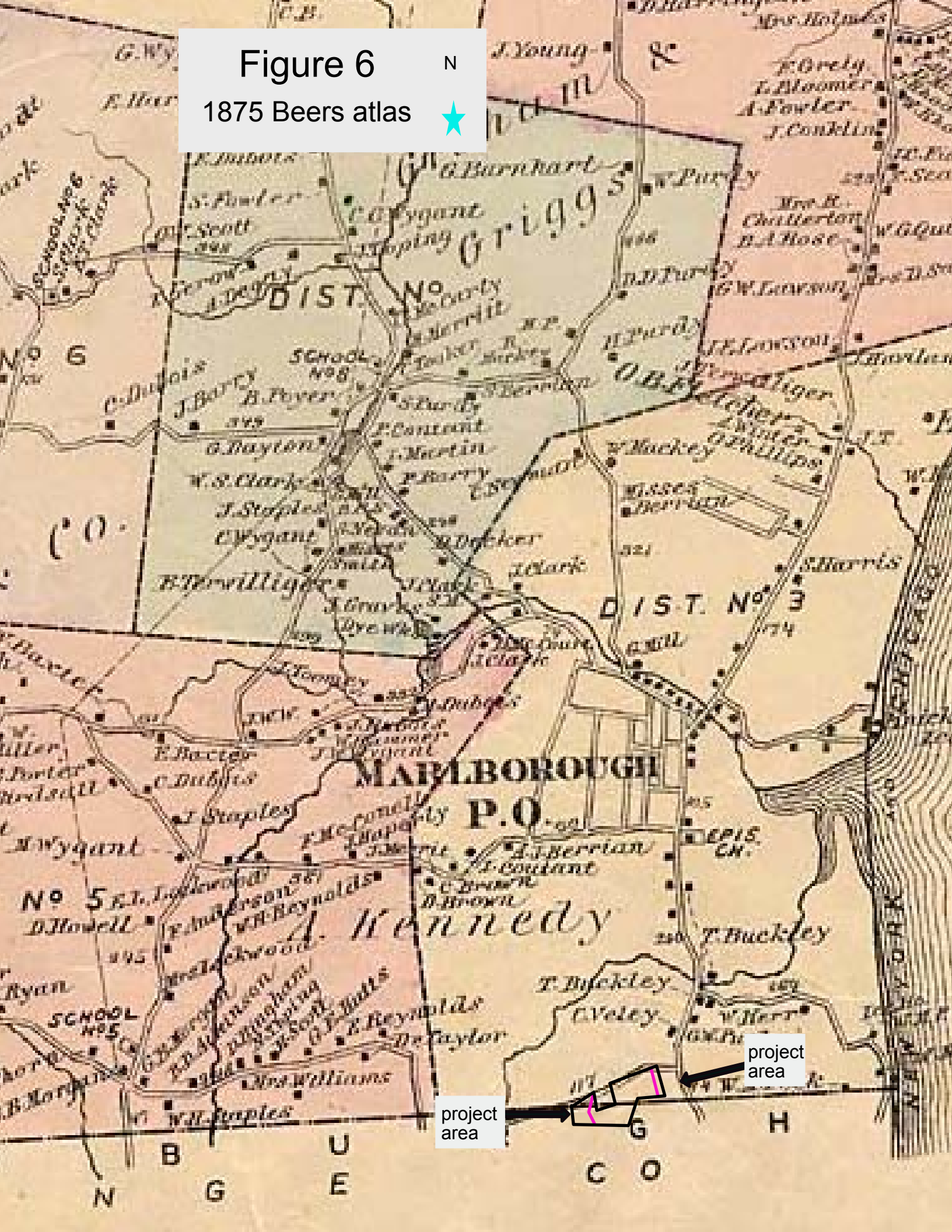


Figure 7

N

1875 Beers atlas-Newburgh

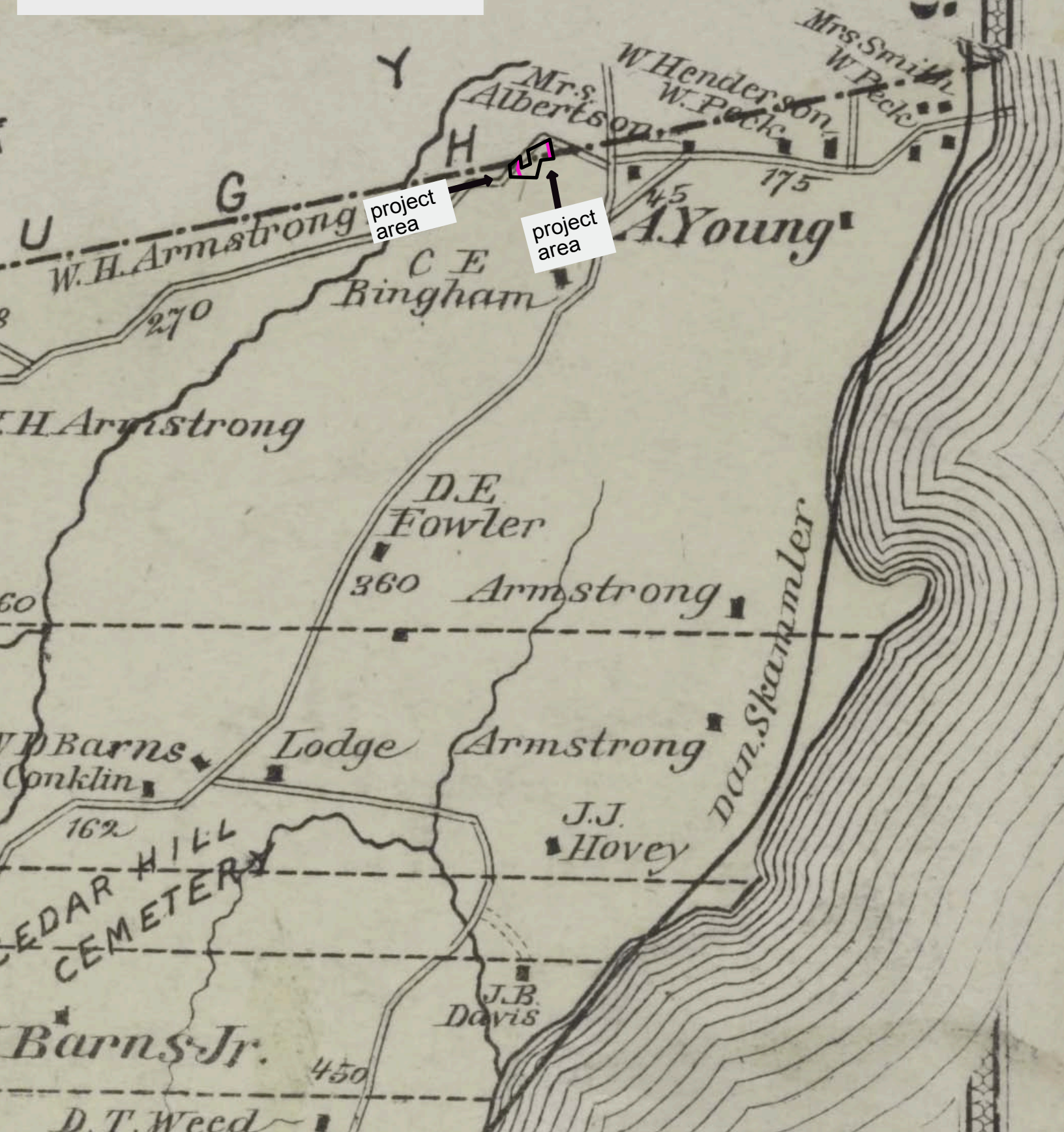


Figure 8
1903 USGS



project area

project area

NEWBURGH

DANSKAMMER LIGHT

(Joins lower

Figure 9

County Soil Survey

N

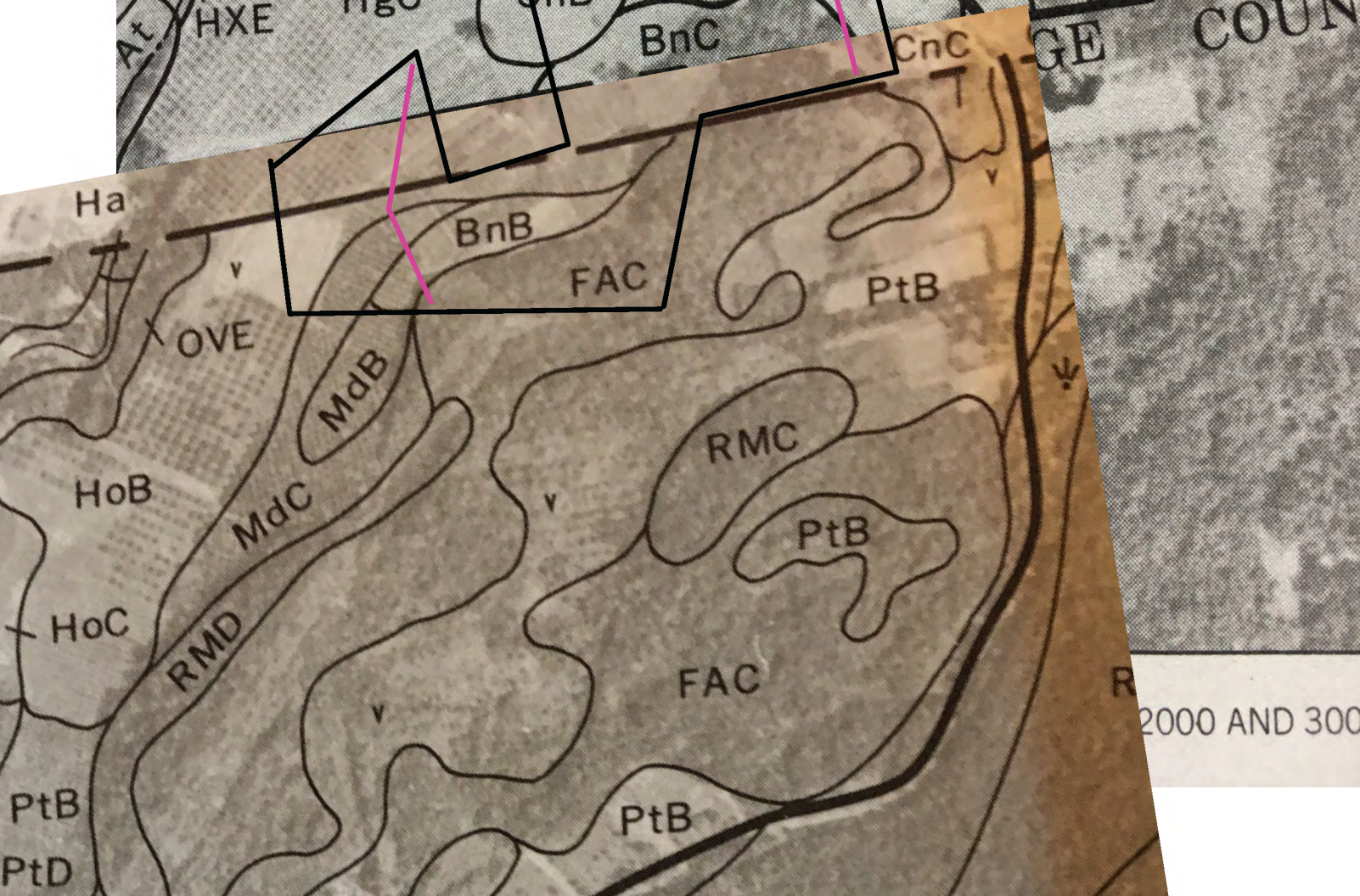
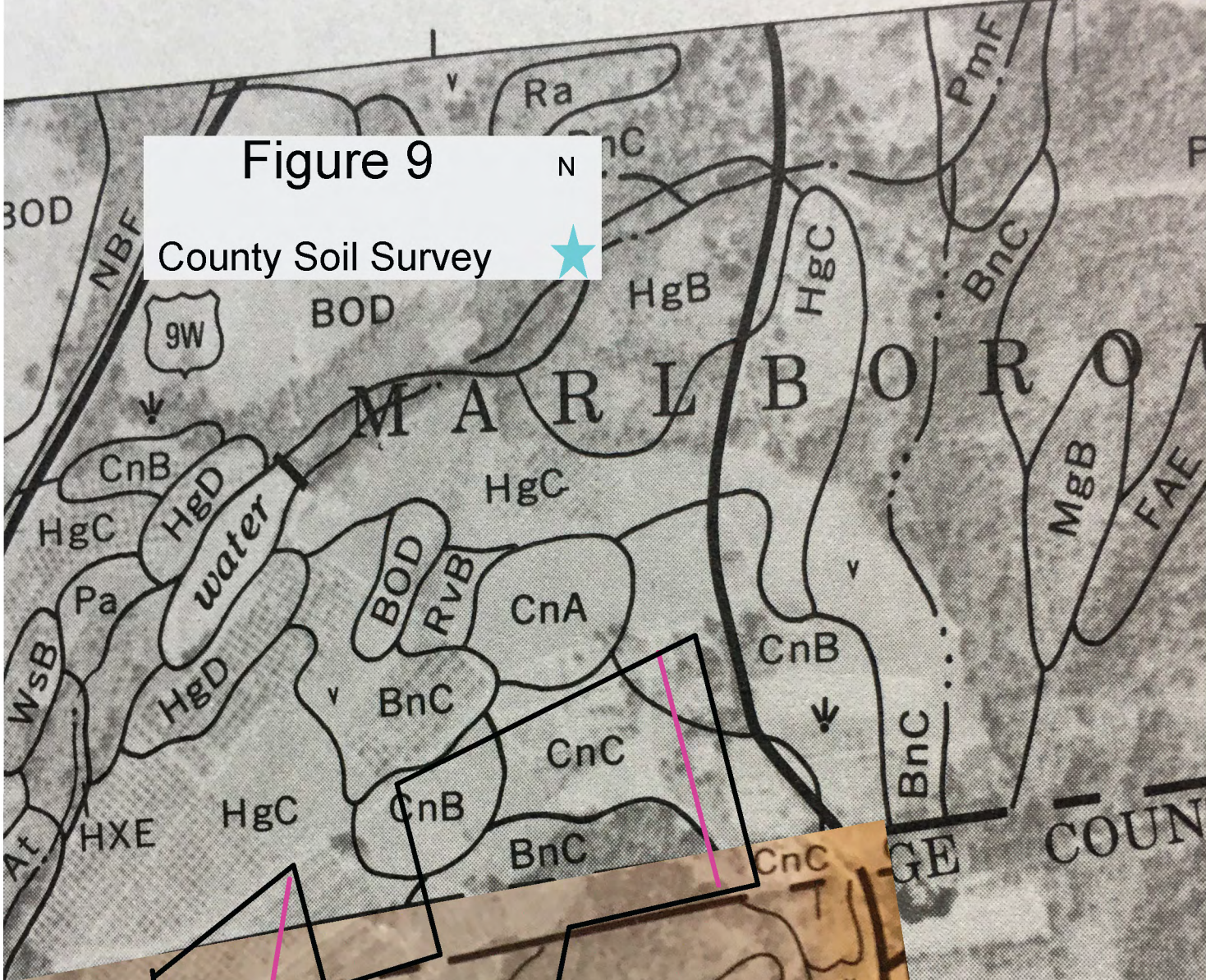


Photo 1
From Mill House Road at Lot 4



Photo 2
Looking at dumping area



Photo 3
From Mill House Road at Lot 1



Photo 4
Steep slope



APPENDIX 2

SHOVEL TESTS

STP	Lv	Depth(cm)	Texture	Color	Hor.	Comments
1	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-27	GrLo	10YR4/3	A	NCM
	3	27-37	GrLo	10YR5/6	B	NCM
2	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-27	GrLo	10YR4/3	A	NCM
	3	27-37	GrLo	10YR5/6	B	NCM
3	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-28	GrLo	10YR4/3	A	NCM
	3	28-38	GrLo	10YR5/6	B	NCM
4	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-26	GrLo	10YR4/3	A	NCM
	3	26-36	GrLo	10YR5/6	B	NCM
5	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-26	GrLo	10YR4/3	A	NCM
	3	26-36	GrLo	10YR5/6	B	NCM
6	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-25	GrLo	10YR4/3	A	NCM
	3	25-35	GrLo	10YR5/6	B	NCM
7	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-27	GrLo	10YR4/3	A	NCM
	3	27-37	GrLo	10YR5/6	B	NCM
8	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-25	GrLo	10YR4/3	A	NCM
	3	25-40	GrLo	10YR5/6	B	NCM
9	1	0-3	rootmat,leave,humus		A/O	NCM
	2	3-27	GrLo	10YR4/3	A	NCM
	3	27-30	GrLo	10YR5/6	B	NCM
10	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-24	GrLo	10YR4/3	A	NCM
	3	24-36	GrLo	10YR5/6	B	NCM
11	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-26	GrLo,wet	10YR4/3	A	NCM
	3	26-37	GrLo	10YR5/6	B	NCM
12	1	0-2	rootmat,leaves,humus		A/O	NCM
	2	2-24	GrLo,wet	10YR4/3	A	NCM
	3	24-34	GrLo	10YR5/6	B	NCM

13	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-27	GrLo	10YR4/3	A	NCM
	3	27-40	GrLo	10YR5/6	B	NCM
14	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-25	GrLo	10YR4/3	A	NCM
	3	25-35	GrLo	10YR5/6	B	NCM
15	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-28	GrLo	10YR4/3	A	NCM
	3	28-38	GrLo	10YR5/6	B	NCM
16	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-28	GrLo	10YR4/3	A	NCM
	3	28-38	GrLo	10YR5/6	B	NCM
17	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-27	GrLo	10YR4/3	A	NCM
	3	27-37	GrLo	10YR5/6	B	NCM
18	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-27	GrLo	10YR4/3	A	NCM
	3	27-37	GrLo	10YR5/6	B	NCM
19	impeded by dumped wood					
20	impeded by dumped wood					
21	impeded by dumped wood					
22	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-25	GrLo	10YR4/3	A	NCM
	3	25-35	GrLo	10YR5/6	B	NCM
23	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-25	GrLo	10YR4/3	A	NCM
	3	25-35	GrLo	10YR5/6	B	NCM
24	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-26	GrLo	10YR4/3	A	NCM
	3	26-36	GrLo	10YR5/6	B	NCM
25	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-26	GrLo	10YR4/3	A	NCM
	3	26-36	GrLo	10YR5/6	B	NCM
26	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-26	GrLo	10YR4/3	A	NCM
	3	26-36	GrLo	10YR5/6	B	NCM
27	1	0-6	rootmat,leaves,humus		A/O	NCM
	2	6-27	GrLo	10YR4/3	A	NCM
	3	27-37	GrLo	10YR5/6	B	NCM

28	1	0-5	rootmat,leaves,humus	A/O	NCM
	2	5-26	GrLo 10YR4/3	A	NCM
	3	26-36	GrLo 10YR5/6	B	NCM
29	1	0-5	rootmat,leaves,humus	A/O	NCM
	2	5-29	GrLo 10YR4/3	A	NCM
	3	29-40	GrLo 10YR5/6	B	NCM
30	impeded by dumped wood				
31	impeded by dumped wood				
32	impeded by dumped wood				
33	impeded by dumped wood				
34	1	0-5	rootmat,leaves,humus	A/O	NCM
	2	5-25	GrLo 10YR4/3	A	NCM
	3	25-35	GrLo 10YR5/6	B	NCM
35	1	0-5	rootmat,leaves,humus	A/O	NCM
	2	5-25	GrLo 10YR4/3	A	NCM
	3	25-35	GrLo 10YR5/6	B	NCM
36	1	0-5	rootmat,leaves,humus	A/O	NCM
	2	5-25	GrLo 10YR4/3	A	NCM
	3	25-35	GrLo 10YR5/6	B	NCM
37	1	0-5	rootmat,leaves,humus	A/O	NCM
	2	5-30	wood mulch	fill	NCM
38	1	0-5	rootmat,leaves,humus	A/O	NCM
	2	5-30	wood mulch	fill	NCM
39	1	0-5	rootmat,leaves,humus	A/O	NCM
	2	5-60	wood mulch	fill	NCM
40	impeded by dumped wood				
41	1	0-5	rootmat,leaves,humus	A/O	NCM
	2	5-23	GrLo 10YR4/3	A	NCM
	3	23-rock			
42	1	0-2	rootmat,leaves,humus	A/O	NCM
	2	2-24	GrLo 10YR4/3	A	NCM
	3	24-34	GrLo 10YR5/6	B	NCM
43	1	0-4	rootmat,leaves,humus	A/O	NCM
	2	4-24	GrLo 10YR4/3	A	NCM
	3	24-34	GrLo 10YR5/6	B	NCM

44	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-25	GrLo	10YR4/3	A	NCM
	3	25-40	GrLo	10YR5/6	B	NCM
45	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-25	GrLo	10YR4/3	A	NCM
	3	25-35	GrLo	10YR5/6	B	NCM
46	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-24	GrLo	10YR4/3	A	NCM
	3	24-34	GrLo	10YR5/6	B	NCM
47	1	0-5	rootmat,leaves,humus		A/O	NCM
	2	5-25	GrLo	10YR4/3	A	NCM
	3	25-40	GrLo	10YR5/6	B	NCM
48	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-25	GrLo	10YR4/3	A	NCM
	3	25-40	GrLo	10YR5/6	B	NCM
49	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-25	GrLo	10YR4/3	A	NCM
	3	25-35	GrLo	10YR5/6	B	NCM
50	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-25	GrLo	10YR4/3	A	NCM
	3	25-35	GrLo	10YR5/6	B	NCM
51	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-26	GrLo	10YR4/3	A	NCM
	3	26-36	GrLo	10YR5/6	B	NCM
52	1	0-5	rootmat,leave,humus		A/O	NCM
	2	5-26	GrLo	10YR4/3	A	NCM
	3	26-37	GrLo	10YR5/6	B	NCM
53	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-27	GrLo	10YR4/3	A	NCM
	3	27-39	GrLo	10YR5/6	B	NCM
54	1	0-3	rootmat,leaves,humus		A/O	NCM
	2	3-25	GrLo	10YR4/3	A	NCM
	3	25-35	GrLo	10YR5/6	B	NCM
55	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-27	GrLo	10YR4/3	A	NCM
	3	27-37	GrLo	10YR5/6	B	NCM
56	1	0-4	rootmat,leaves,humus		A/O	NCM
	2	4-27	GrLo	10YR4/3	A	NCM
	3	27-37	GrLo	10YR5/6	B	NCM

57	1	0-4	rootmat,leaves,humus	A/O	NCM
	2	4-27	GrLo 10YR4/3	A	NCM
	3	27-37	GrLo 10YR5/6	B	NCM
58	1	0-4	rootmat,leaves,humus	A/O	NCM
	2	4-27	GrLo 10YR4/3	A	NCM
	3	27-37	GrLo 10YR5/6	B	NCM
59	1	0-5	rootmat,leaves,humus	A/O	NCM
	2	5-25	GrLo 10YR4/3	A	NCM
	3	25-35	GrLo 10YR5/6	B	NCM
60	1	0-5	rootmat,leaves,humus	A/O	NCM
	2	5-25	GrLo 10YR4/3	A	NCM
	3	25-35	GrLo 10YR5/6	B	NCM
61	1	0-5	rootmat,leaves,humus	A/O	NCM
	2	5-25	GrLo 10YR4/3	A	NCM
	3	25-35	GrLo 10YR5/6	B	NCM
62	1	0-5	rootmat,leaves,humus	A/O	NCM
	2	5-25	GrLo 10YR4/3	A	NCM
	3	25-35	GrLo 10YR5/6	B	NCM
63	1	0-5	rootmat,leaves,humus	A/O	NCM
	2	5-25	GrLo 10YR4/3	A	NCM
	3	25-35	GrLo 10YR5/6	B	NCM
64	1	0-2	rootmat,leaves,humus	A/O	NCM
	2	2-27	GrLo 10YR4/3	A	NCM
	3	27-roots			
65	1	0-4	rootmat,leaves,humus	A/O	NCM
	2	4-24	GrLo 10YR4/3	A	NCM
	3	24-35	GrLo 10YR5/6	B	NCM

GENERAL NOTES

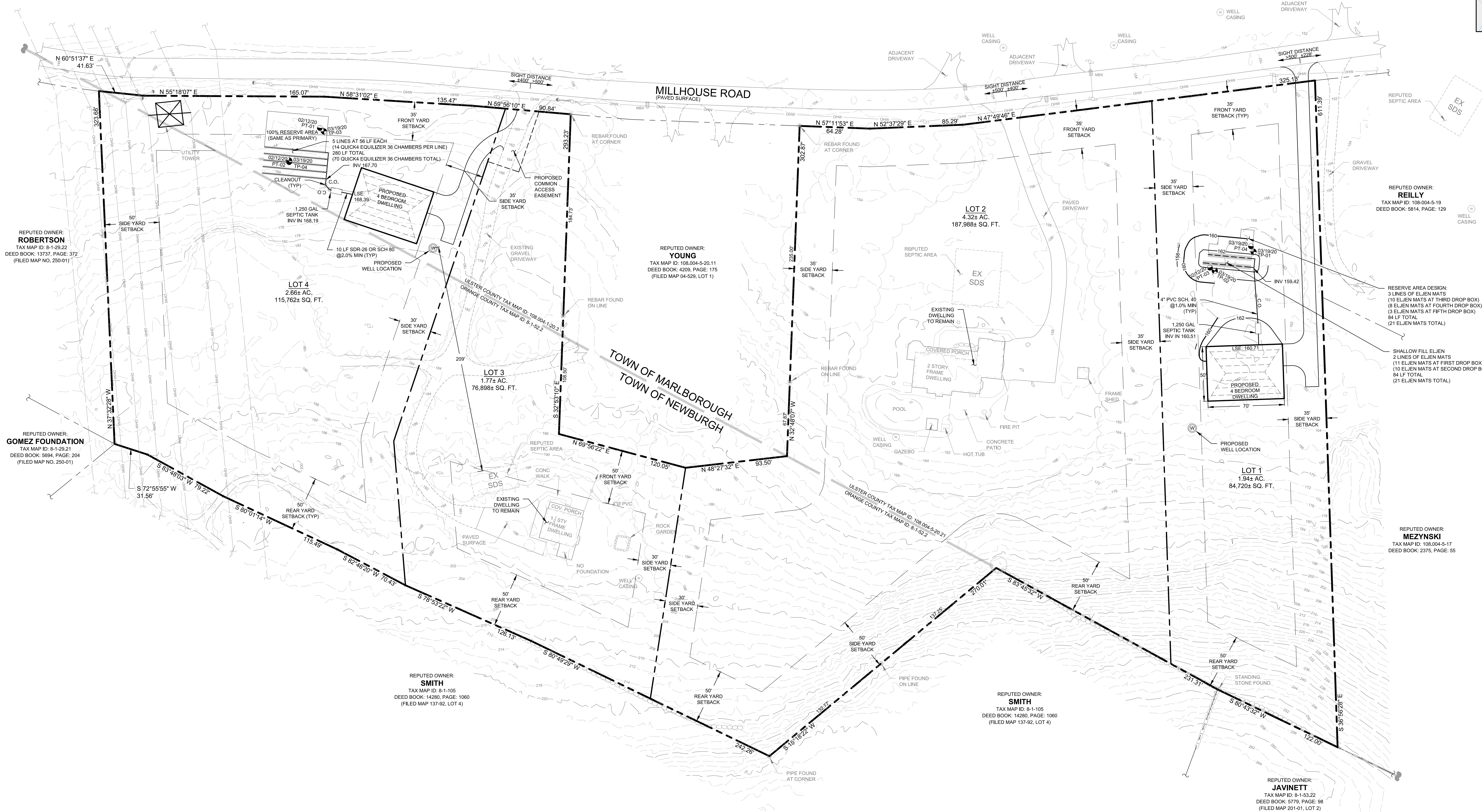
- TAX MAP IDENTIFICATION NUMBER:
SECTION 8-BLOCK 1 LOT 52.2 (NEWBURGH)
SECTION 108.004-BLOCK 5 LOTS 20.21 & 20.3 (MARLBOROUGH)
- TOTAL AREA OF SUBJECT PARCEL: 10.694 ACRES.
- BOUNDARY AND PLANIMETRIC INFORMATION BASED UPON FIELD SURVEY COMPLETED BY ENGINEERING & SURVEYING PROPERTIES, PC ON NOVEMBER 8, 2019.
- THE TOPOGRAPHY SHOWN HEREON WAS COMPILED BY ENGINEERING & SURVEYING PROPERTIES, PC FROM USGS 1M HYDRO-FLATTENED DIGITAL ELEVATION MODELS (DEM) AS DERIVED FROM 2014 SOURCE LIDAR. THE DEMS WERE PROVIDED BY NYS GIS.GOV AND CONFIRMED BY ACTUAL SURVEY OBSERVATIONS TAKEN IN THE FIELD. CONTOURS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988.
- OWNER/APPLICANT: DAVID & SUSAN YOUNG
50 MILL HOUSE ROAD
MARLBOROUGH, NY 12542
- PROPOSED NUMBER OF LOTS: 4
- ALL PROPOSED LOTS SHALL BE SERVICED BY INDIVIDUAL WELLS AND SEPTICS.
- LOTS 2, 3 & 4 (ALTHOUGH CONSIDERED AS SINGLE LOTS FOR BUILDING PURPOSES) ENCOMPASS SEPARATE TAX LOTS IN THE TOWN OF MARLBOROUGH AND THE TOWN OF NEWBURGH. RESTRICTIVE COVENANTS SHALL BE FILED WITH THE COUNTY OF ULSTER AND COUNTY OF ORANGE CLERKS OFFICE ENSURING THAT INDIVIDUAL TAX LOTS CANNOT NOT BE SOLD, TRANSFERRED, OR FORECLOSED ON SEPARATELY.

BULK REQUIREMENTS

TOWN OF MARLBOROUGH - ZONING DISTRICT R-1					TOWN OF NEWBURGH - ZONING DISTRICT AR			
MINIMUM BUILDING REQUIREMENTS	REQUIRED	LOT 1	LOT 2	LOT 4	MINIMUM BUILDING REQUIREMENTS	REQUIRED	LOT 3	LOT 4
LOT AREA	43,560 SF (1 ACRE)	84,720 SF (1.94 AC.)	187,888 SF (4.32 AC.)	115,762 SF (2.66 AC.)	LOT AREA	40,000 SF	76,898 SF (1.77 AC.)	115,762 SF (2.66 AC.)
LOT WIDTH	150 FEET	150.63 FEET	326.6 FEET	359.7 FEET	LOT WIDTH	150 FEET	268.4 FEET	359.7 FEET
LOT DEPTH	200 FEET	594.1 FEET	427.6 FEET	399.1 FEET	LOT DEPTH	150 FEET	470.8 FEET	399.1 FEET
FRONT YARD	35 FEET	> 75 FEET	196.0 FEET	62.9 FEET	FRONT YARD	50 FEET	62.2 FEET	62.9 FEET
REAR YARD	50 FEET	> 50 FEET	160.3 FEET	284.5 FEET	REAR YARD	50 FEET	80.6 FEET	284.5 FEET
SIDE YARD (ONE/BOTH)	35/70 FEET	> 50/110 FEET	106.32/48.0 FEET	37.8/257.0 FEET	SIDE YARD (ONE/BOTH)	30/80 FEET	85.9/11.4 FEET	37.8/257.0 FEET
LIVABLE FLOOR AREA	900 SF	> 900 SF	> 900 SF	> 900 SF	LIVABLE FLOOR AREA	900 SF	> 900 SF	> 900 SF
MAXIMUM ALLOWABLE					MAXIMUM ALLOWABLE			
MAXIMUM BUILDING HEIGHT	35 FT	< 35 FT	< 35 FT	< 35 FT	MAXIMUM BUILDING HEIGHT	35 FT	< 35 FT	< 35 FT
MAXIMUM BUILDING COVERAGE	20%	< 10%	< 10%	< 10%	MAXIMUM BUILDING COVERAGE	10%	< 10%	< 10%
					MAXIMUM LOT COVERAGE			
					20% < 20% < 20%			



LOCATION MAP
SCALE: 1" = 1000'



LEGEND

<ul style="list-style-type: none"> BUILDING LINE BUILDING GARAGE LINE BUILDING ROOF LINE CONCRETE PAD LINE CONCRETE HATCH MAJOR CONTOUR LINE MINOR CONTOUR LINE LIMIT OF DISTURBANCE LINE DRIVEWAY LINE EASEMENT LINE SILT FENCE LINES PROPERTY LINE EDGE OF PAVEMENT LINE SEPTIC SYSTEM LATERALS BUILDING SETBACK LINES SEWER SERVICE LINES STORM DRAIN LINES LIMIT OF TREE CLEARING LINES DRAINAGE SWALE 	<ul style="list-style-type: none"> EXISTING BUILDING LINE EXISTING MAJOR CONTOUR LINE EXISTING MINOR CONTOUR LINE EXISTING EDGE OF PAVEMENT LINE EXISTING EASEMENT LINE EXISTING FENCE LINES ADJACENT PROPERTY LINE EXISTING PROPERTY LINE EXISTING SEWER MAIN LINES EXISTING STORM DRAIN LINES EXISTING LIMIT OF TREE LINES MUNICIPAL BOUNDARY 	<ul style="list-style-type: none"> SPOT GRADE ELEVATION PERC TEST LOCATION DEEP TEST HOLE LOCATION SIGN & POST WELL LOCATION SEWER CLEANOUT UTILITY POLE STONE CHECK DAM DECIDUOUS TREE LANDSCAPE SYMBOL EVERGREEN TREE LANDSCAPE SYMBOL SHRUB PLANTING LANDSCAPE SYMBOL SHRUB PLANTING LANDSCAPE SYMBOL GARAGE FLOOR ELEVATION FIRST FLOOR ELEVATION BASEMENT FLOOR ELEVATION LOWEST SEWERABLE ELEVATION 6 HOLE DROP BOX 1250 GALLON SEPTIC TANK
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**TOWN OF NEWBURGH
PLANNING BOARD APPROVAL BOX**

NEWBURGH PB #2020-02

**TOWN OF MARLBOROUGH
PLANNING BOARD APPROVAL BOX**

No.	DATE	DESCRIPTION
1	04/19/20	REVISED FOR TEST PIT RESULTS
2	05/04/20	REVISED PER NB, NB, DCP, & UCP COMMENTS

DRAWING STATUS	ISSUE DATE:
CONCEPT APPROVAL	N/A OF N/A
PLANNING BOARD APPROVAL	05/04/2020
UCDOH REALTY SUBDIVISION APPROVAL	N/A OF N/A
UCDOH WATERMAIN EXTENSION APPROVAL	N/A OF N/A
NYSDEC APPROVAL	N/A OF N/A
NYSDOT APPROVAL	N/A OF N/A
OTHER	N/A OF N/A
FOR BID	N/A OF N/A
FOR CONSTRUCTION	N/A OF N/A

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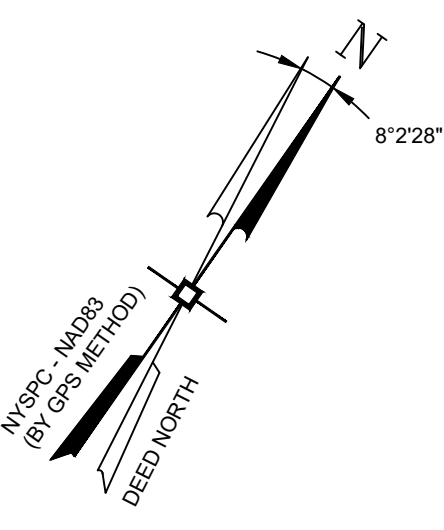
SUBDIVISION PLAN

YOUNG SUBDIVISION
50 MILL HOUSE ROAD
T/NEWBURGH & T/MARLBOROUGH
ORANGE/ULSTER COUNTY, NEW YORK

JOB #: 1422.01
DATE: 01/21/2020
REVISION: 2 - 05/04/2020

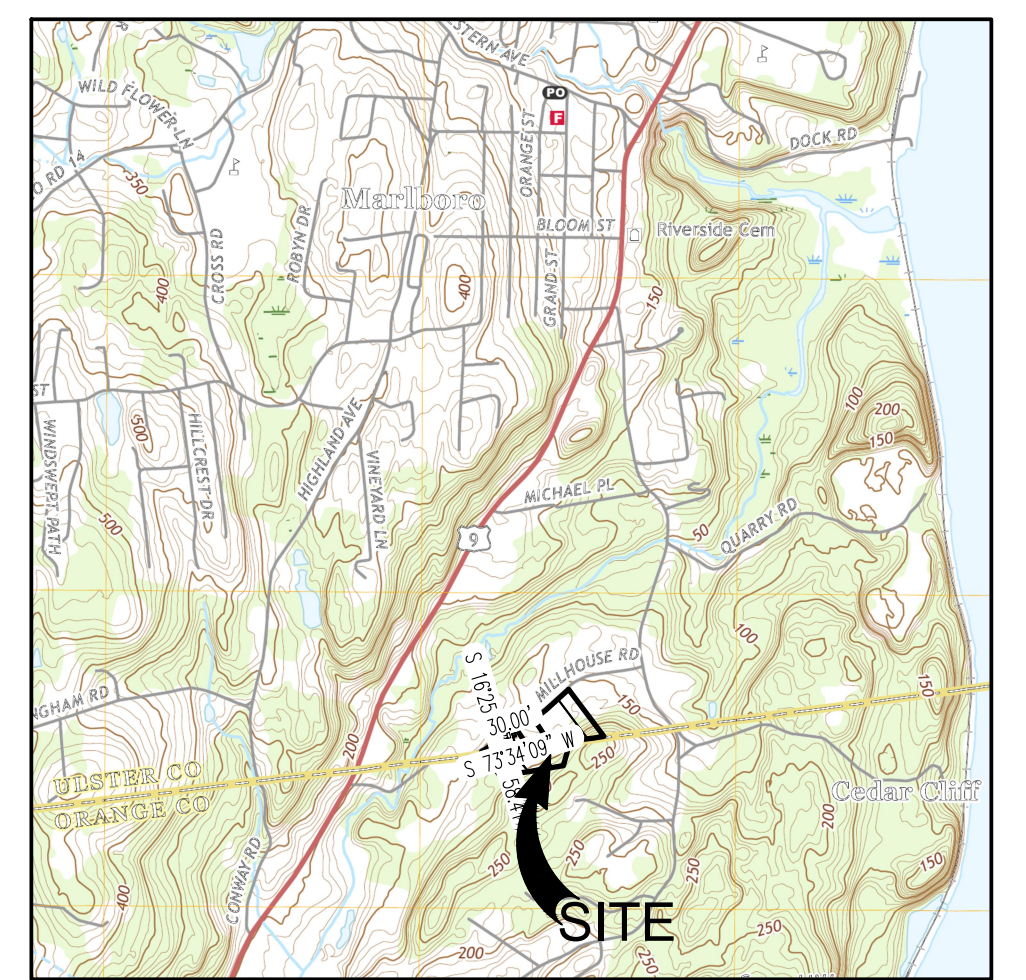
DRAWN BY: ML
SCALE: 1" = 40'
TAX LOTS: 1, 52, 100
108.004-5-20.21(UC)

C-1



BULK REQUIREMENTS

TOWN OF MARLBOROUGH - ZONING DISTRICT R-1				TOWN OF NEWBURGH - ZONING DISTRICT AR				
MINIMUM BUILDING REQUIREMENTS	REQUIRED	LOT 1	LOT 2	LOT 4	REQUIRED	LOT 3	LOT 4	
LOT AREA	43,960 SF (1.00 AC)	64,720 SF (1.94 AC)	187,988 SF (4.32 AC)	115,762 SF (2.66 AC)	LOT AREA	40,000 SF	76,898 SF (1.77 AC)	115,762 SF (2.66 AC)
LOT WIDTH	150 FEET	150.63 FEET	326.6 FEET	359.7 FEET	LOT WIDTH	150 FEET	268.4 FEET	359.7 FEET
LOT DEPTH	200 FEET	594.1 FEET	427.6 FEET	399.1 FEET	LOT DEPTH	150 FEET	470.8 FEET	399.1 FEET
FRONT YARD	35 FEET	> 75 FEET	196.0 FEET	62.9 FEET	FRONT YARD	50 FEET	62.2 FEET	62.9 FEET
REAR YARD	50 FEET	> 50 FEET	160.3 FEET	284.5 FEET	REAR YARD	50 FEET	80.6 FEET	284.5 FEET
SIDE YARD (ONE/BOTH)	35/70 FEET	> 50/110 FEET	106.3/248.0 FEET	37.8/257.0 FEET	SIDE YARD (ONE/BOTH)	30/80 FEET	85.9/211.4 FEET	37.8/257.0 FEET
LIVABLE FLOOR AREA	900 SF	> 900 SF	> 900 SF	> 900 SF	LIVABLE FLOOR AREA	900 SF	> 900 SF	> 900 SF
MAXIMUM ALLOWABLE				MAXIMUM ALLOWABLE				
MAXIMUM BUILDING HEIGHT	35 FT	< 35 FT	< 35 FT	< 35 FT	MAXIMUM BUILDING HEIGHT	35 FT	< 35 FT	< 35 FT
MAXIMUM BUILDING COVERAGE	20%	< 10%	< 10%	< 10%	MAXIMUM BUILDING COVERAGE	10%	< 10%	< 10%
MAXIMUM LOT COVERAGE	20%	< 20%	< 20%	< 20%	MAXIMUM LOT COVERAGE	20%	< 20%	< 20%

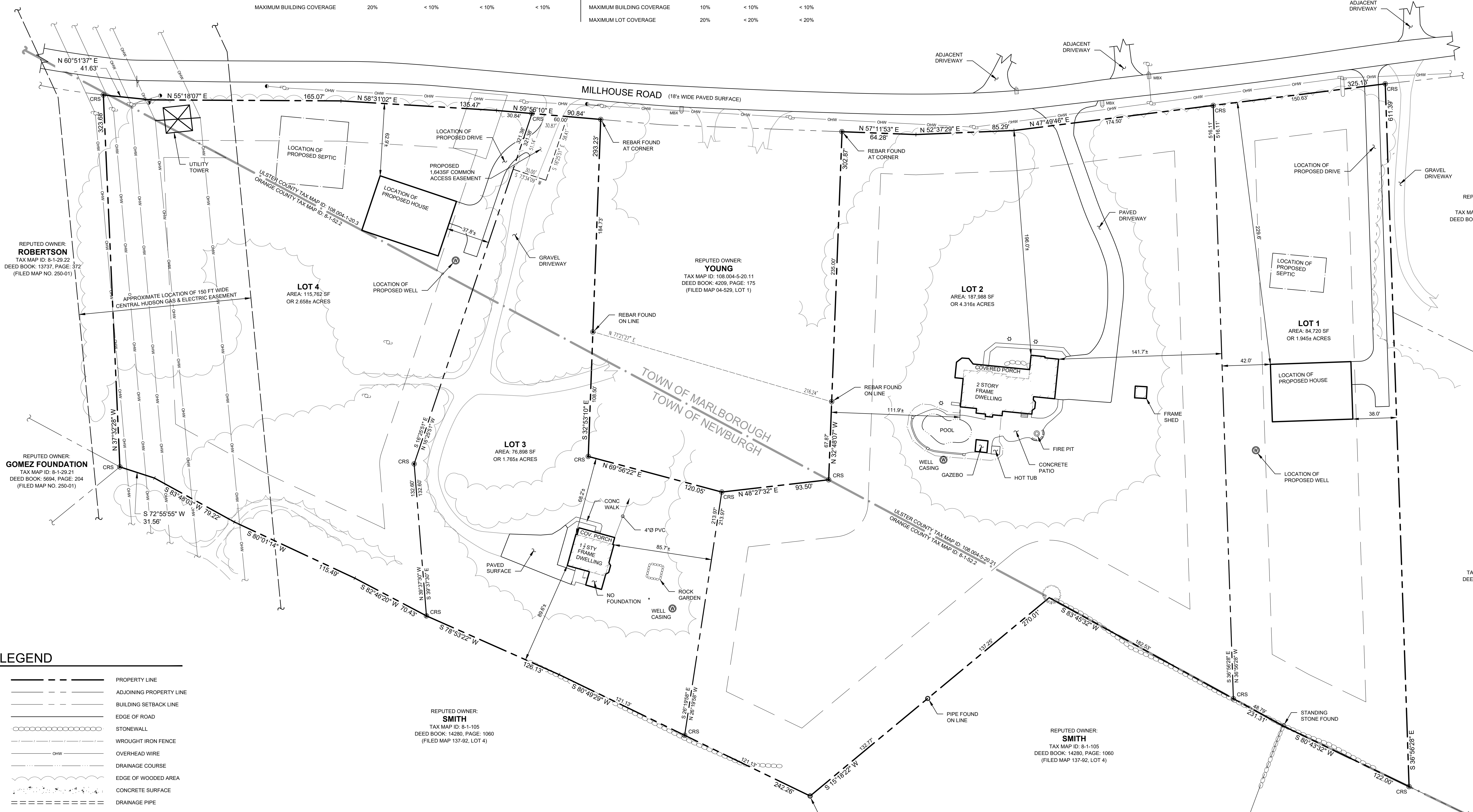


LOCATION MAP

USGS WAPPINGERS FALLS QUADRANGLE MAP SCALE: 1" = 200'

GENERAL NOTES:

- TOTAL AREA OF SUBJECT PARCEL: 10.68± ACRES
- TOTAL NUMBER OF LOTS IS: 4
- OWNER/APPLICANT: DAVID & SUSAN YOUNG 50 MILLHOUSE ROAD MARLBOROUGH, NY 12542
- TAX MAP IDENTIFICATION NUMBER: SECTION 8 BLOCK 1 LOT 52.2 (TOWN OF NEWBURGH) SECTION 106.004 BLOCK 5 LOTS 20.21 & 20.3 (TOWN OF MARLBOROUGH)
- DEED REFERENCE: DEED LIBER 12434, PAGE 869
- MAP REFERENCES:
 - A. A MAP ENTITLED "THE SUBDIVISION FOR SUSAN P. & DAVID S. YOUNG" BY RICHARD G. BARBER, P.S. LS DATED FEBRUARY 10, 2005 AND FILED IN THE OFFICE OF THE ULSTER COUNTY CLERK ON JULY 25, 2005 AS MAP NUMBER 04-00
 - B. A MAP ENTITLED "FINAL MAP OF SUBDIVISION OF LANDS OF SUSAN P. & DAVID S. YOUNG" BY BROOKS AND BROOKS LAND SURVEYORS, P.C. DATED APRIL 18, 2002 AND FILED IN THE OFFICE OF THE ULSTER COUNTY CLERK ON APRIL 23, 2004 AS MAP NUMBER 04-529.
- THIS SURVEY IS SUBJECT TO THE FINDINGS OF AN UP TO DATE ABSTRACT OF TITLE.
- SUBJECT TO ANY UNWRITTEN AND/OR WRITTEN LICENSES, EASEMENTS, RESTRICTIONS, AND/OR AGREEMENTS OF RECORD.
- OFFSETS OR DIMENSIONS FROM THE PROPERTY LINES TO STRUCTURES OR IMPROVEMENTS ARE SHOWN FOR THE SPECIFIC PURPOSE OF INTERPRETATION OF COMPLIANCE WITH ZONING AND ARE NOT INTENDED TO MONUMENT THE PROPERTY LINES OR TO GUIDE THE ERECTION OF FENCES OR ANY OTHER IMPROVEMENTS TO THE LAND.
- CERTIFICATIONS ON THIS BOUNDARY SURVEY MAP SIGNIFY THAT THE MAP WAS PREPARED IN ACCORDANCE WITH THE CURRENT EXISTING CODE OF PRACTICE FOR LAND SURVEYS ADOPTED BY THE NEW YORK STATE ASSOCIATION OF PROFESSIONAL LAND SURVEYORS, INC. THE CERTIFICATION IS LIMITED TO THE PERSONS FOR WHOM THE BOUNDARY SURVEY MAP IS PREPARED, TO THE TITLE COMPANY, TO THE GOVERNMENTAL AGENCY, AND TO THE LENDING INSTITUTION LISTED ON THIS BOUNDARY SURVEY MAP.
- CERTIFICATIONS HEREON ARE NOT TRANSFERABLE.
- ISSUING OF A NEW TITLE POLICY OR REDATING OF AN EXISTING POLICY REFERENCE TO THIS SURVEY WITHOUT THE BENEFIT OF AN UPDATE OF THIS SURVEY BY ENGINEERING & SURVEYING PROPERTIES, P.C. SHALL TERMINATE ANY LIABILITY EXPRESSED OR IMPLIED HEREOF.
- UNAUTHORIZED COPIES MAY CONTAIN FRAUDULENT, INCORRECT, ERRONEOUS, OR MISLEADING INFORMATION OR OMIT IMPORTANT AND RELEVANT INFORMATION. DO NOT RELY ON UNAUTHORIZED COPIES. THE SEAL, SIGNATURE, AND CERTIFICATION ARE HEREBY REVOKED OR OTHERWISE VOID ON ALL UNAUTHORIZED COPIES. ALL ORIGINAL DOCUMENTS BEAR AN ORIGINAL IMPRESSION AND ARE SIGNED BY ME.
- ALL UNDERGROUND UTILITIES AND/OR IMPROVEMENTS OR THE ENCROACHMENT OF SUCH IMPROVEMENTS ARE NOT ALWAYS KNOWN AND OFTEN MUST BE ESTIMATED. IF THE ENCROACHMENT OF SUCH UNDERGROUND IMPROVEMENTS EXIST OR ARE SHOWN HEREON, THE ENCROACHMENTS OF SUCH UNDERGROUND UTILITIES AND/OR IMPROVEMENTS ARE NOT COVERED BY THIS CERTIFICATE.
- LOTS 2.3 & 4 (ALTHOUGH CONSIDERED AS SINGLE LOTS FOR BUILDING PURPOSES) ENCOMPASS SEPARATE TAX LOTS IN THE TOWN OF MARLBOROUGH AND THE TOWN OF NEWBURGH. RESTRICTIVE COVENANTS SHALL BE FILED WITH THE COUNTY OF ULSTER AND THE COUNTY OF ORANGE. CLERK'S OFFICES TO ENSURE THAT INDIVIDUAL TAX LOTS CANNOT BE SOLD, TRANSFERRED, OR FORECLOSED ON SEPARATELY.



LEGEND

	PROPERTY LINE
	ADJOINING PROPERTY LINE
	BUILDING SETBACK LINE
	EDGE OF ROAD
	STONEWALL
	WROUGHT IRON FENCE
	OVERHEAD WIRE
	DRAINAGE COURSE
	EDGE OF WOODED AREA
	CONCRETE SURFACE
	DRAINAGE PIPE
	UTILITY POLE
	GUY ANCHOR
	PIPE MARKER
	REBAR MARKER
	CAPPED REBAR TO BE SET
	MAIL BOX
	SIGN (TYPE NOTED)

REPUTED OWNER:
SMITH
TAX MAP ID: 8-1-105
DEED BOOK: 14280, PAGE: 1060
(FILED MAP 137-92, LOT 4)

REPUTED OWNER:
SMITH
TAX MAP ID: 8-1-105
DEED BOOK: 14280, PAGE: 1060
(FILED MAP 137-92, LOT 4)

REPUTED OWNER:
JAVINETT
TAX MAP ID: 8-1-53-22
DEED BOOK: 5779, PAGE: 98
(FILED MAP 201-01, LOT 2)

TOWN OF NEWBURGH
PLANNING BOARD APPROVAL BOX
NEWBURGH PB #2020-02

TOWN OF MARLBOROUGH
PLANNING BOARD APPROVAL BOX

I HEREBY CERTIFY TO THE PARTIES OF INTEREST LISTED BELOW:
DAVID YOUNG,
SUSAN YOUNG,
TOWN OF MARLBOROUGH,
TOWN OF NEWBURGH,
THAT THIS SURVEY MAP IS THE RESULT OF AN ACTUAL FIELD SURVEY PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT IT IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND BELIEF, BASED ON DATA CONTAINED IN DEEDS OR MAPS OF RECORD LISTED HEREON, TOGETHER WITH EVIDENCE FOUND IN THE FIELD, AND THAT THERE ARE NO SURFACE ENCROACHMENTS EXCEPT AS OTHERWISE SHOWN HEREON, AS COMPLETED ON NOVEMBER 6, 2019.
ONLY BOUNDARY SURVEY MAPS WITH THE SURVEYOR'S EMBOSSED SEAL ARE GENUINE TRUE AND CORRECT COPIES OF THE SURVEYOR'S ORIGINAL WORK AND OPINION.

No.	DATE	DESCRIPTION
1	05/04/20	REVISED PER MB, NB, OCP, & UCP COMMENTS

DRAWING STATUS		ISSUE DATE:
THIS SHEET IS PART OF THE PLAN SET ISSUED FOR		05/04/2020
	SHEET NUMBER	
<input type="checkbox"/>	CONCEPT APPROVAL	N/A OF N/A
<input checked="" type="checkbox"/>	PLANNING BOARD APPROVAL	2 OF 3
<input type="checkbox"/>	UCDOH REALTY SUBDIVISION APPROVAL	N/A OF N/A
<input type="checkbox"/>	UCDOH WATERMAIN EXTENSION APPROVAL	N/A OF N/A
<input type="checkbox"/>	NYSDOT APPROVAL	N/A OF N/A
<input type="checkbox"/>	NYSDOT APPROVAL	N/A OF N/A
<input type="checkbox"/>	OTHER	N/A OF N/A
<input type="checkbox"/>	FOR BID	N/A OF N/A
<input type="checkbox"/>	FOR CONSTRUCTION	N/A OF N/A

A COPY OF THIS DOCUMENT WITHOUT A PROPER APPLICATION OF THE LICENSED PROFESSIONAL LAND SURVEYOR'S EMBOSSED SEAL SHOULD BE ASSUMED TO BE AN UNAUTHORIZED COPY.
UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED PROFESSIONAL LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2, OF THE NEW YORK STATE EDUCATION LAW.
BRIAN D. BARCOCK, L.S.
NEW YORK STATE LICENSE # 050839

DATE: 02/27/2020
SCALE: 1" = 40'

1 inch = 40 ft.

ENGINEERING & SURVEYING PROPERTIES
71 CLINTON STREET
MONTGOMERY, NY 12549
PH: (845) 457-7727
FX: (845) 457-1899

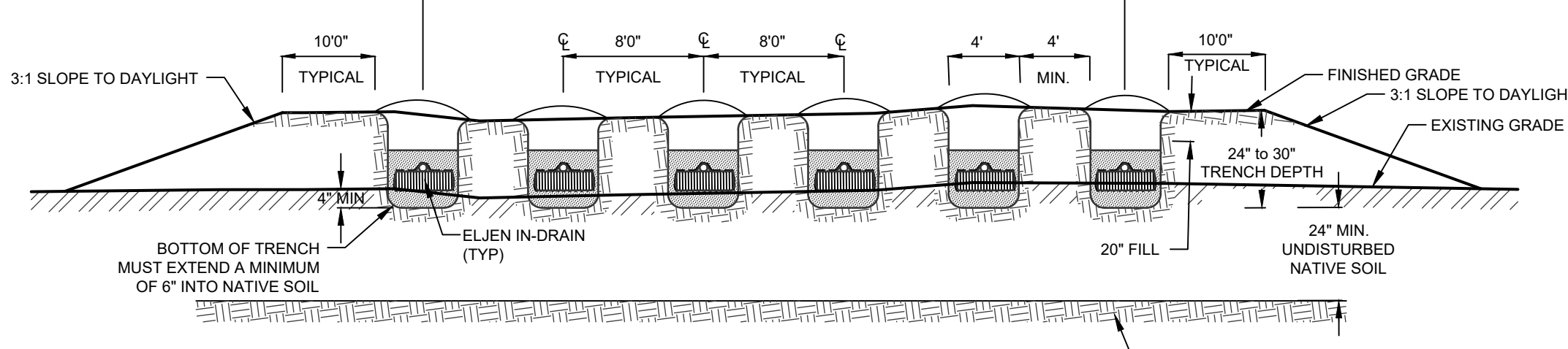
SURVEY PLAN
YOUNG
MILLHOUSE ROAD
TOWN OF NEWBURGH
ORANGE / ULSTER COUNTY, NY

JOB #: 1422.01
DATE: 02/27/2020
REVISION: 1-05/04/2020

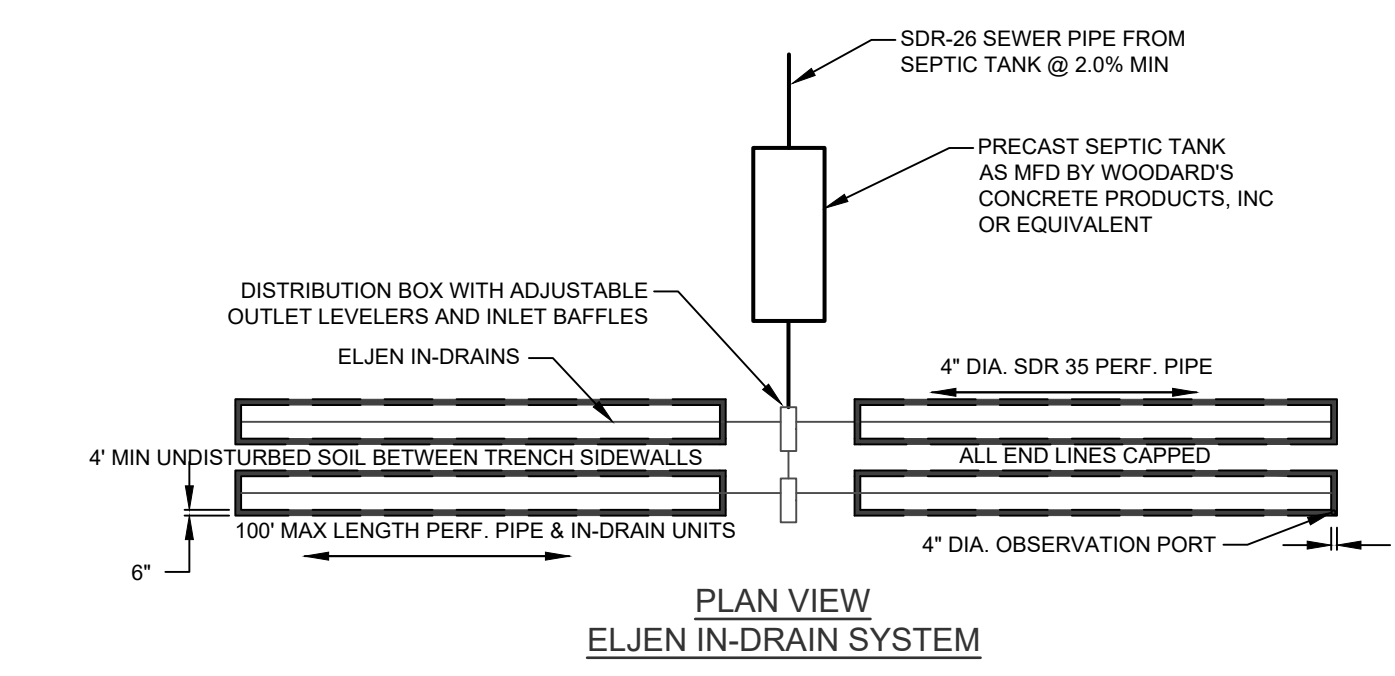
DRAWN BY: BDB
SCALE: 1" = 40'

TAX LOT 8-1-52.2 (OC)
108.004-5-20.21 (UC)

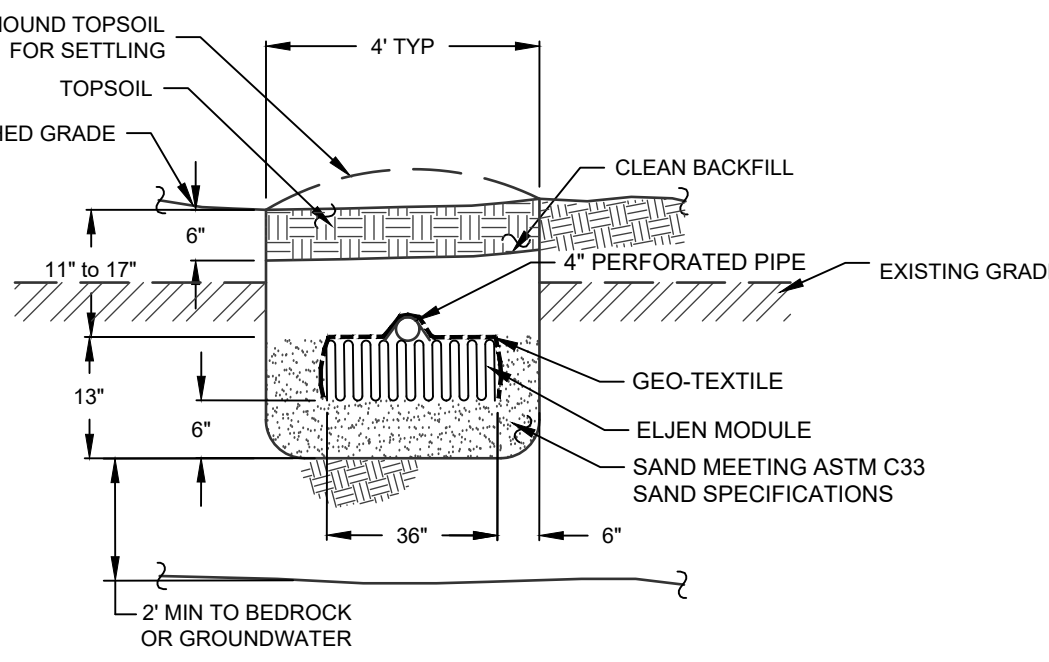
RS-1



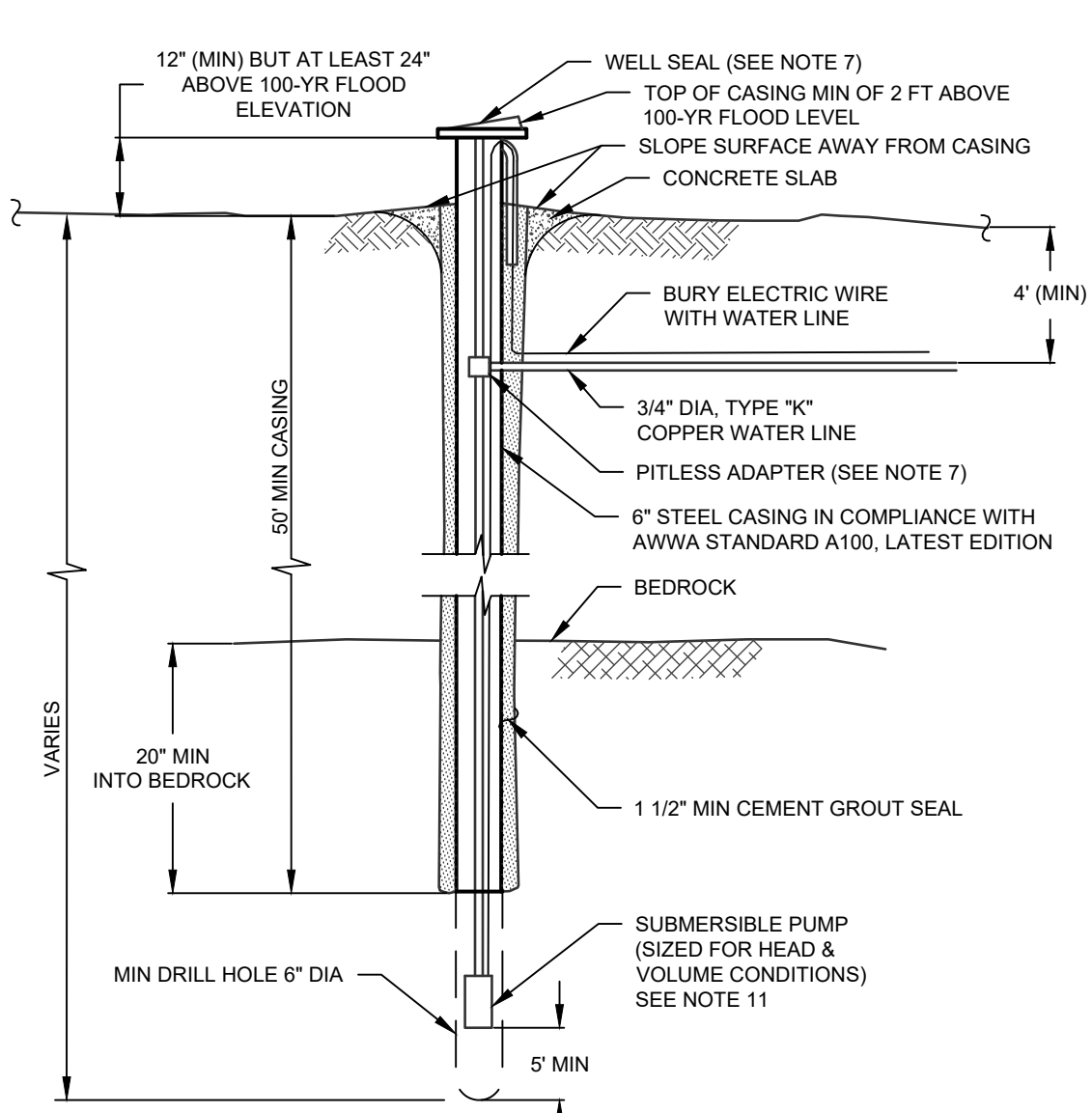
A-A - TILE FIELD WITH ELJEN SYSTEM



- NOTES**
- SEPTIC TANK TO BE LOCATED A MINIMUM DISTANCE OF 10 FEET FROM THE HOUSE.
 - THERE SHALL BE NO REGRADING, EXCEPT AS SHOWN ON THE APPROVED PLANS, IN THE AREA OF THE ABSORPTION FIELDS.
 - GARBAGE GRINDERS AND/OR JACUZZI TYPE SPA TUBS OVER 100 GALLONS ARE NOT PERMITTED WITHOUT THE SYSTEM BEING REDESIGNED AND REAPPROVED BY THE ORANGE COUNTY DEPARTMENT OF HEALTH.
 - CELLAR DRAINS, ROOF DRAINS OR FOOTING DRAINS SHALL NOT BE DISCHARGED IN THE VICINITY OF THE TILE FIELDS OR WELLS.
 - SWIMMING POOLS, DRIVEWAYS AND/OR STRUCTURES THAT MAY COMPACT THE SOIL ARE NOT TO BE CONSTRUCTED OVER TILE FIELDS.
 - ASPHALTIC SEALS SHALL BE MAINTAINED BETWEEN THE SEPTIC TANK, AND ALL PIPES AND COVERS.
 - NO TRENCHES TO BE INSTALLED IN WET SOIL.
 - RAKE SIDES AND BOTTOM OF TRENCH PRIOR TO PLACING GRAVEL IN ABSORPTION TRENCH.
 - GROUND ALL PIPE PENETRATIONS INTO AND OUT OF ANY DISTRIBUTION OR DROP BOX.
 - ALL CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS AS SET FORTH IN THE PUBLICATION "INDIVIDUAL RESIDENTIAL WASTEWATER TREATMENT SYSTEMS, DESIGN HANDBOOK," LATEST EDITION, AND APPENDIX 75-A OF THE NEW YORK STATE DEPARTMENT OF HEALTH.
 - ABSORPTION TRENCH PIPE TO BE CAPPED AT END.
 - ABSORPTION SYSTEM TO BE LOCATED A MINIMUM DISTANCE OF 20 FEET FROM ANY DWELLING UNIT.
 - SEPTIC TANK JOINTS MUST BE SEALED AND TESTED FOR WATERTIGHTNESS.
 - PROVIDE 30' OF SOLID PIPE PRIOR TO START OF PERFORATED ABSORPTION PIPE AND BE BACKFILLED WITH NATIVE MATERIAL.
 - THERE MUST BE AN UNINTERRUPTED POSITIVE SLOPE FROM THE SEPTIC TANK (OR ANY PUMPING OR DOSING CHAMBER) TO THE DWELLING, ALLOWING SEPTIC GASES TO DISCHARGE THROUGH THE STACK VENT.
 - DROP BOXES SHOULD BE INSPECTED PERIODICALLY TO ASSURE THAT THEY ARE LEVEL AND OPERATING PROPERLY.
 - 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. EXTREME CARE MUST BE TAKEN DURING THE ACTUAL CONSTRUCTION SO AS TO AVOID ANY UNDESIRED COMPACTION THAT COULD RESULT IN A CHANGE OF ABSORPTION CAPACITY OF THE SOIL ON WHICH THE DESIGN WAS BASED.
 - DROP BOXES SHOULD BE INSPECTED PERIODICALLY TO ASSURE THAT THEY ARE LEVEL AND OPERATING PROPERLY.
 - ALL UNUSED OUTLETS WILL BE PLUGGED AND SEALED WITH AN ASPHALTIC MATERIAL OR EQUIVALENT.
 - A MINIMUM OF 4" OF UNDISTURBED SOIL MUST BE AVAILABLE BETWEEN TRENCHES.

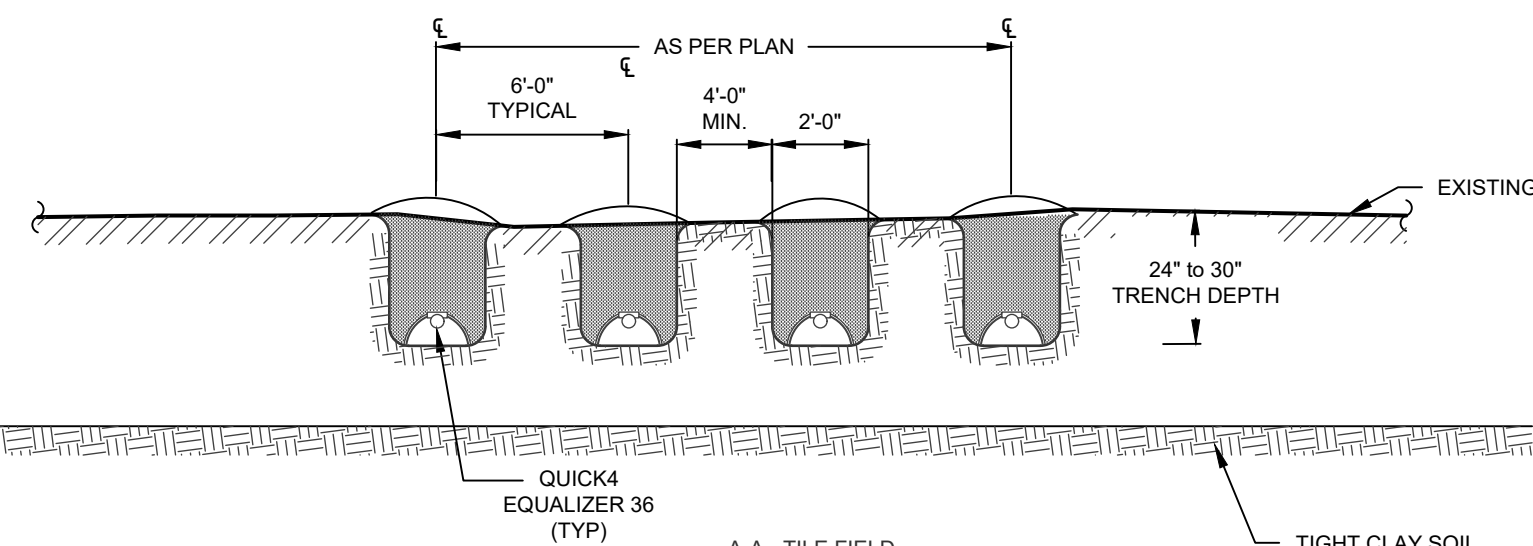


SHALLOW FILL ELJEN SYSTEM (LOT 1)

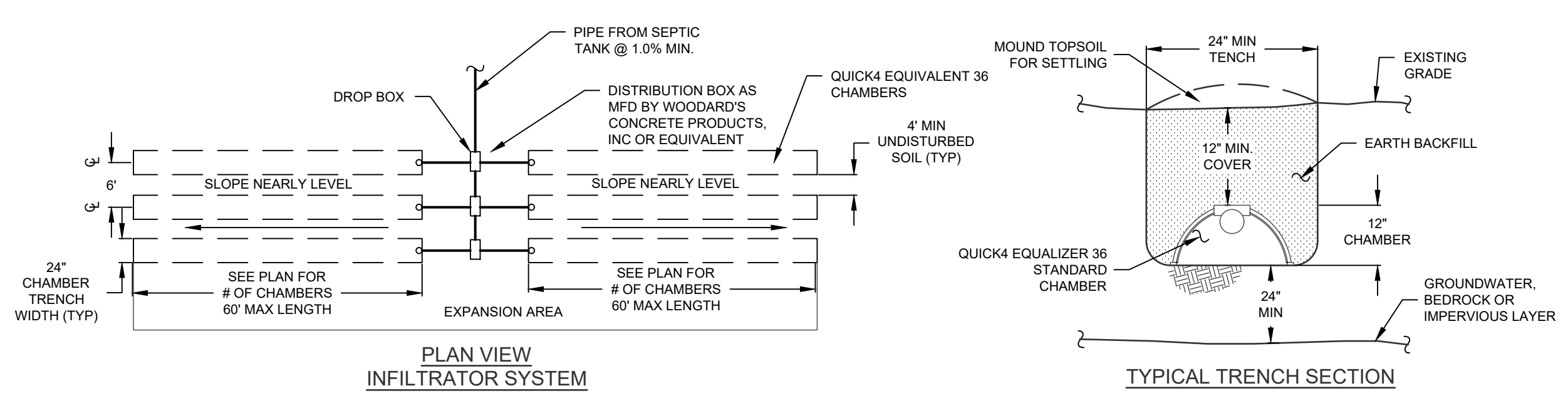


- NOTES**
- WELL IS TO BE CASED AND GROUTED FOR A MIN OF 50' IN LENGTH.
 - CASING SHALL EXTEND MINIMUM 20" INTO BEDROCK.
 - OVERSIZE DRILL HOLE (FOR GROUTING) TO BE 10" DIAMETER.
 - EXPECTED DEPTH OF LOAM AND SHALE OVERBURDEN = 5 - 30 FEET
 - EXPECTED DEPTH OF WATER BEARING FORMATION = 150 - 600 FEET
 - THE WELL CASING TO CONFORM TO AWWA STANDARD A100 (LATEST EDITION).
 - PITLESS ADAPTER AND SANITARY WELL SEAL SHALL BE MONITOR MODEL NO SP1-6-U-CL, MFG BY THE BAKER MFG CO, EVANSVILLE, WIS, OR APPROVED EQUAL, AND SHALL HAVE THE APPROVAL OF THE WATER SYSTEMS COUNSEL.
 - DISCHARGE PIPE : 3/4" MIN OF TYPE "K" COPPER WATER LINE
 - WATER SERVICE LINES UNDER PRESSURE SHALL NOT PASS CLOSER THAN 10' OF A SEPTIC TANK, TILE FIELD, OR ANY OTHER PART OF A SEWAGE DISPOSAL SYSTEM.
 - PVC PIPE WITH O-RING JOINTS ARE REQUIRED FOR SEWAGE LINES BETWEEN 05 AND 60 FEET OF ANY WELL.
 - MIN. WELL YIELD TO BE A MINIMUM OF 2 GAL PER MINUTE, ANY WELL PRODUCING BETWEEN 2.5 GPM REQUIRES 24 HOURS OF STORAGE WITHIN HOME.
 - CEMENT GROUT SHALL BE A MIXTURE OF 1 BAG CEMENT (94 LBS) AND 5 1/2 GAL OF CLEAN WATER.
 - ELECTRICAL WORK SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE.
 - CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS BY THE NEW YORK STATE DEPARTMENT OF HEALTH, APPENDIX 5-B, STANDARDS FOR WATER WELLS, LATEST ADDITION.
 - WELLS ARE TO BE INSTALLED IN THE LOCATIONS SHOWN ON THE PLAN TO ASSURE THE MINIMUM SEPARATION DISTANCES ARE MET.

TYPICAL DRILLED WELL SECTION



DRIVEWAY CROSS-SECTION



ABSORPTION TILE FIELD OVERALL PLAN (LOT 4)

SYSTEM COMPONENTS	WELL (f) OR SUCTION LINE	STREAM, LAKE, WATERCOURSE (s) OR DEC WETLAND	DWELLING	PROPERTY LINE	DRAINAGE DITCHES (g)
HOUSE SEWER	50'	25'	3'	10'	-
SEPTIC TANK	50'	50'	10'	10'	10'
EFFLUENT LINE TO D-BOX	50'	50'	10'	10'	10'
DISTRIBUTION BOX	100'	100'	20'	10'	20'
ABSORPTION FIELD	100' (a)	100'	20'	10'	50'
SEEPAGE PIT	150' (a)	100'	20'	10'	50'
DRY WELL (ROOF & FOOTING)	50'	25'	20'	10'	50'
RAISED OR MOUND SYSTEM (c)	100' (a)	100'	20'	10'	50'
INTERMITTENT SAND FILTER (c)	100' (a)	100'	20'	10'	50'
EVAPOTRANSPIRATION-ABSORPTION SYSTEM (e)	100' (a)	50'	20'	10'	50'
COMPOSTER	50'	50'	20'	10'	10'
SANITARY PRIVY PIT	100'	50'	20'	10'	20'
PRIVY, WATERTIGHT VAULT	50'	50'	20'	10'	10'

- NOTES:**
- WHEN SEWAGE TREATMENT SYSTEMS ARE LOCATED IN COARSE GRAVEL OR UPGRADE AND IN THE GENERAL PATH OF DRAINAGE TO A WELL, THE CLOSEST PART OF THE TREATMENT SYSTEM SHALL BE AT LEAST 200 FEET AWAY FROM THE WELL.
 - MEAN HIGH WATER MARK
 - FOR ALL SYSTEMS INVOLVING THE PLACEMENT OF FILL MATERIAL, SEPARATION DISTANCES ARE MEASURED FROM THE TOE OF SLOPE OF THE FILL.
 - ANY WATER SERVICE LINE UNDER PRESSURE (i.e. PUBLIC WATER SUPPLY MAIN, HOUSEHOLD SERVICE LINE, WELL TO HOUSEHOLD SERVICE LINE) LOCATED WITHIN 10 FEET OF ANY ABSORPTION FIELD, SEEPAGE PIT OR SANITARY PRIVY SHALL BE INSTALLED INSIDE A LARGER DIAMETER WATER MAIN TO PROTECT THE POTABLE WATER SUPPLY.
 - ANY WATER SERVICE LINE UNDER PRESSURE (i.e. PUBLIC WATER SUPPLY MAIN, HOUSEHOLD SERVICE LINE, WELL TO HOUSEHOLD SERVICE LINE) CROSSING A SEWER SHALL BE INSTALLED WITH ONE FULL LENGTH OF WATER MAIN CENTERED ABOVE THE SEWER SO BOTH WATER CONNECTING JOINTS ARE AS FAR AS POSSIBLE FROM THE SEWER. SECTION 8.8 OF THE CURRENTLY RECOMMENDED STANDARDS FOR WATERWORKS, SHALL BE FOLLOWED FOR SEPARATION OF WATER MAINS, SANITARY SEWERS AND STORM SEWERS.
 - THE MINIMUM SEPARATION DISTANCE BETWEEN A SEPTIC TANK AND COMMUNITY TYPE PUBLIC WATER SUPPLY WELL SHOULD BE 100 FEET, DISTRIBUTION BOXED AND ABSORPTION FACILITIES (e.g. LOCATED AT LEAST 200 FEET FROM THE COMMUNITY TYPE PUBLIC WATER SUPPLY WELLS)
 - RECOMMENDED SEPARATION DISTANCES ADDITIONAL SEPARATION REQUIREMENTS**
- WELL TO SWALE, WATERCOURSE OR STREAM - 25'
 - ABSORPTION FIELD TO OPEN DRAINAGE, CULTIVATED, OR STORM SEWER(NON-GASKETED PIPE) OR CATCH BASIN - 50'
 - ABSORPTION FIELD TO CULTIVATED STORM SEWER (GASKETED, TIGHT PIPE) - 35'
 - ABSORPTION FIELD TO CURTAIN DRAIN - 15'
 - ABSORPTION FIELD, PITS, EXPANSION AREA, TO TOP OF EMBANKMENT OR STEEP (1 ON 3) SLOPES - 25'
 - DRAINAGE PIPES WITHIN 25' OF ANY WELL MUST BE WATERTIGHT
 - WELL TO CEMETERY PROPERTY LINE - 100'

DEEP TEST HOLE RESULTS

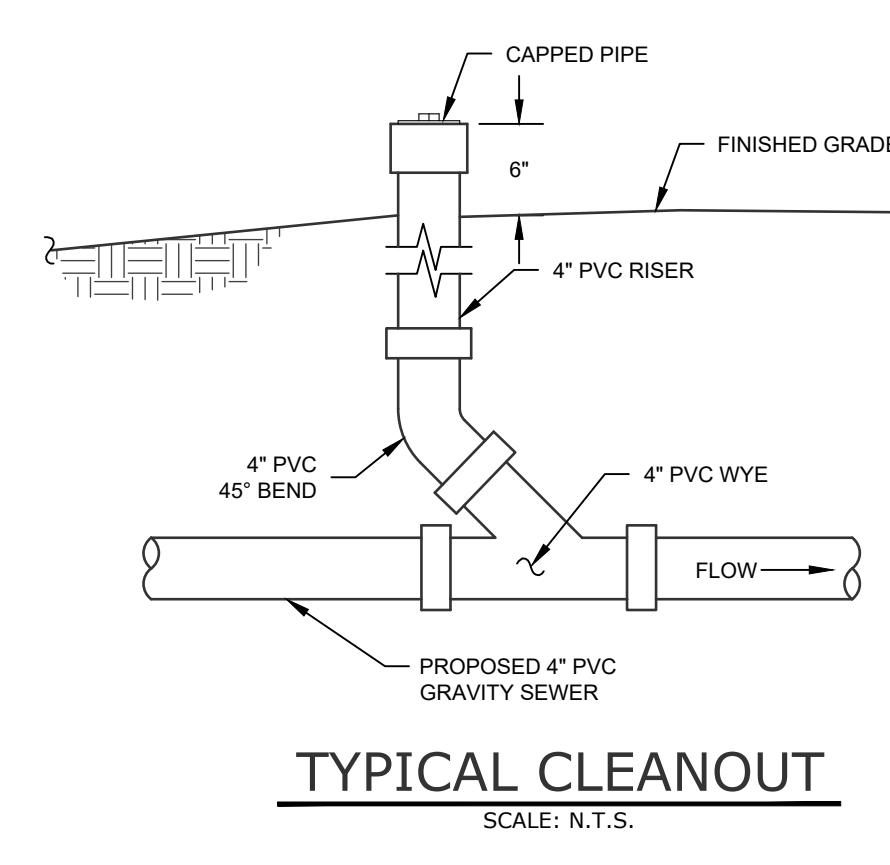
TEST HOLE #	DATE	DEPTH	DESCRIPTION
TP 1	03/19/2020	0' - 3" 3' - 28"	TOP SOIL BROWN SANDY SILTY LOAM NO GROUNDWATER, NO MOTTLING, BEDROCK @ 28"
TP 2	03/19/2020	0' - 3" 3' - 28" 28" - 39"	TOP SOIL TAN SILTY LOAM BROWN SANDY SILTY SANDY GRAVELLY LOAM NO GROUNDWATER, NO MOTTLING, BEDROCK @ 39"
TP 3	03/19/2020	0' - 3" 3' - 30" 30" - 68"	TOP SOIL TAN SILTY LOAM BROWN GRAVELLY SANDY SILTY LOAM NO GROUNDWATER, NO MOTTLING, NO BEDROCK
TP 4	03/19/2020	0' - 3" 3' - 24" 24" - 69"	TOP SOIL TAN SILTY LOAM BROWN GRAVELLY SANDY CLAY LOAM WITH SHALE POCKETS NO GROUNDWATER, NO MOTTLING, NO BEDROCK

PERCOLATION TEST RESULTS

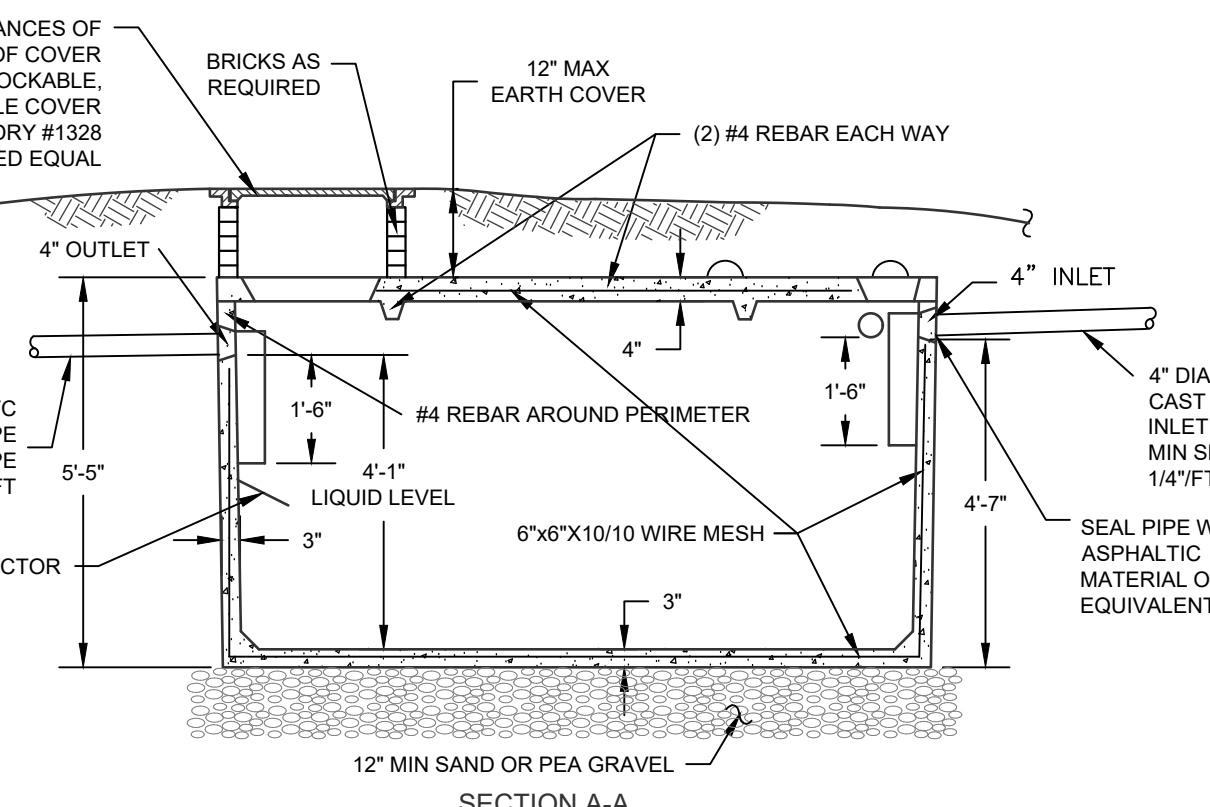
PERC HOLE #	PERC HOLE DEPTH	PERC HOLE DIA	TIME	PERCOLATION TEST RUNS - STOPWATCH USED FOR ALL TESTS (TIME FOR 1" DROP IN WATER LEVEL)			STABILIZED RATE
				START	STOPWATCH USED FOR TIMED INTERVALS	FINISH	
02/12/20 PT-01	24"	10"	START	STOPWATCH USED FOR TIMED INTERVALS			11 MIN
			TIME	00:09:16	00:09:34	00:10:01	
			FINISH				
02/12/20 PT-02	24"	10"	START	STOPWATCH USED FOR TIMED INTERVALS			25 MIN
			TIME	00:17:37	00:23:47	00:24:16	
			FINISH				
02/12/20 PT-03	24"	10"	START	STOPWATCH USED FOR TIMED INTERVALS			5 MIN
			TIME	00:03:38	00:03:41	00:04:18	
			FINISH				
03/19/20 PT-04	24"	10"	START	STOPWATCH USED FOR TIMED INTERVALS			9 MIN
			TIME	00:06:33	00:07:31	00:08:05	
			FINISH				

SEPTIC SYSTEM DESIGN SCHEDULE

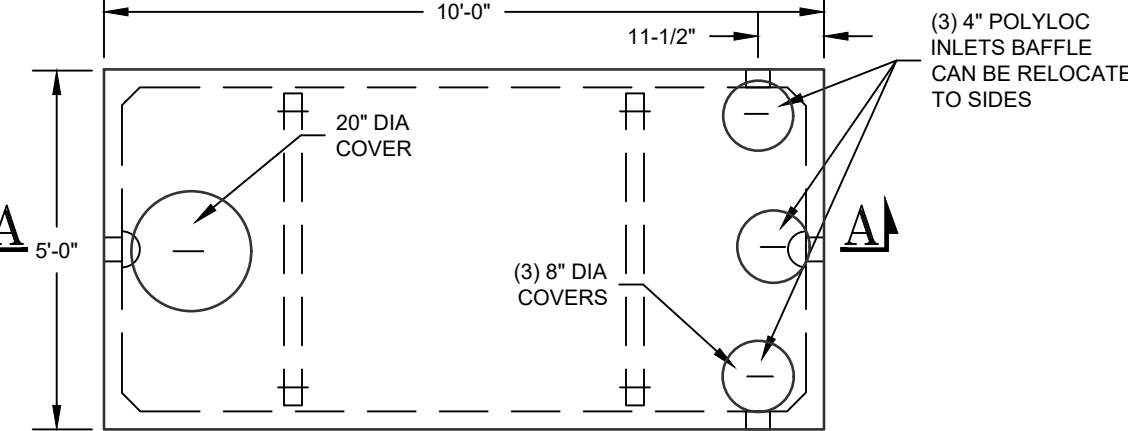
LOT	NUMBER OF BEDROOMS	STABILIZE PERC RATE (min)	FLOW RATE (GPD)	APPLICATION RATE (GPD/Sq. Ft.)	REQUIRED AREA (Sq. Ft.)	REQUIRED ABSORPTION FIELD LENGTH (ft) (BASED UPON 2' WIDE TRENCH)	REQUIRED FIELD LENGTH BASED USING QUICK4 EQUALIZER CHAMBERS (25% REDUCTION)	REQUIRED ABSORPTION FIELD LENGTH FOR AN ELJEN ABSORPTION TRENCH	PROPOSED ABSORPTION FIELD LENGTH (ft)
LOT 1	4	9	440	0.90	489	245	N/A	84	21 UNITS = 84 EQ. LF.
LOT 4	4	25	440	0.60	734	367	276	N/A	70 CHAMBERS = 280 EQ. LF.



TYPICAL CLEANOUT



1250 GAL SEPTIC TANK

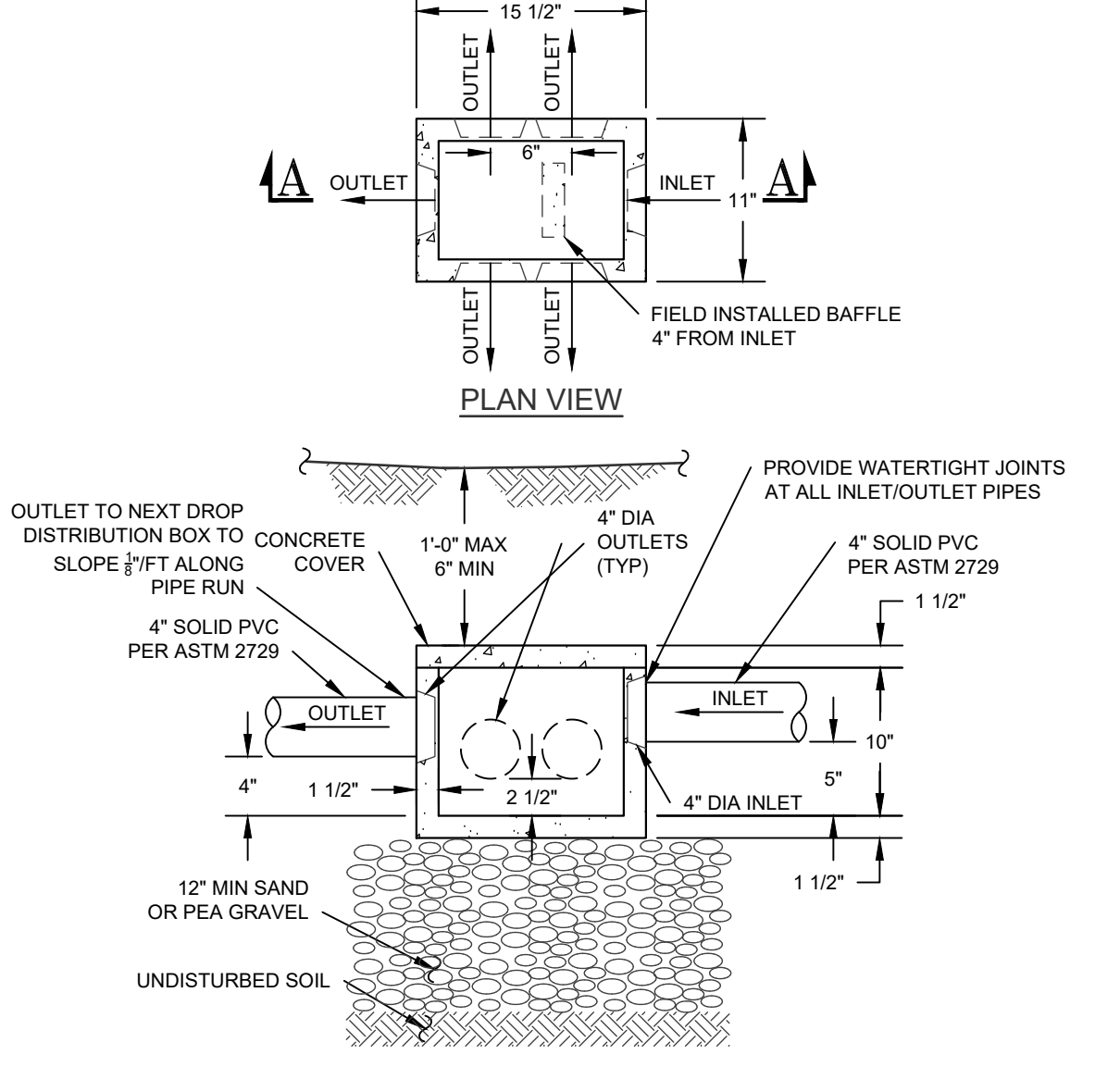


1250 GAL SEPTIC TANK

- NOTES:**
- PRECAST CONC. SEPTIC TANK AS MFG. BY WOODARD'S CONCRETE PRODUCTS, INC. MODEL ST 1250, OR APPROVED EQUAL.
 - CONCRETE - 4,000 PSI AT 28 DAYS.
 - REINFORCEMENT - 6" x 6" x 10 GA WIRE MESH.
 - SECTIONS TO BE SEALED WITH BUTYL RUBBER BASE CEMENT.
 - THERE MUST BE AN UNINTERRUPTED POSITIVE SLOPE FROM THE SEPTIC TANK OR ANY PUMPING OR DOSING CHAMBER, TO THE BUILDING, ALLOWING SEPTIC GASES TO DISCHARGE THROUGH THE STACK VENT.
 - SEPTIC TANKS SHOULD BE INSPECTED PERIODICALLY AND PUMPED EVERY 2 - 3 YEARS.

1250 GAL SEPTIC TANK

SCALE: N.T.S. (FOR 4-BEDROOM HOUSE)



6 HOLE DROP DISTRIBUTION BOX

- NOTES:**
- DROP BOX AS MANUFACTURED BY WOODARD'S CONCRETE PRODUCTS, INC. CATALOG No. 08-008 OR APPROVED EQUAL.
 - MINIMUM CONCRETE STRENGTH 4,000 PSI AT 28 DAYS
 - CONCRETE TO BE FIBER REINFORCED PER MANUFACTURER'S SPECIFICATION
 - SEAL ALL JOINTS AT INLET/OUTLET PIPES ASPHALTIC MATERIAL OR EQUIVALENT
 - PROVIDE SPEED LEVELERS AT ALL DISTRIBUTION BOX OUTLETS
 - UNUSED OUTLETS TO REMAIN PLUGGED
 - DISTRIBUTION BOXES SHOULD BE INSPECTED PERIODICALLY TO ASSURE THAT THEY ARE LEVEL AND OPERATING PROPERLY.

6 HOLE DROP DISTRIBUTION BOX

TOWN OF NEWBURGH PLANNING BOARD APPROVAL BOX

NEWBURGH PB #2020-02

TOWN OF MARLBOROUGH PLANNING BOARD APPROVAL BOX

No.	DATE	DESCRIPTION
1	04/10/20	REVISED FOR TEST PIT RESULTS
2	05/04/20	REVISED PER NB, MB, DC, & UCP COMMENTS

DRAWING STATUS	ISSUE DATE:	SHEET NUMBER
<input type="checkbox"/> CONCEPT APPROVAL	N/A	OF N/A
<input checked="" type="checkbox"/> PLANNING BOARD APPROVAL	05/04/2020	3 OF 3
<input type="checkbox"/> CDCOH REALTY SUBDIVISION APPROVAL	N/A	OF N/A
<input type="checkbox"/> CDCOH WATERMAIN EXTENSION APPROVAL	N/A	OF N/A
<input type="checkbox"/> NYSDEC APPROVAL	N/A	OF N/A
<input type="checkbox"/> NYSDOT APPROVAL	N/A	OF N/A
<input type="checkbox"/> OTHER	N/A	OF N/A
<input type="checkbox"/> FOR BID	N/A	OF N/A
<input type="checkbox"/> FOR CONSTRUCTION	N/A	OF N/A

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JAY SAMUELSON, P.E.
NEW YORK LICENSE # 088023

Scale: 1" = 40'

ENGINEERING PROPERTIES
Achieving Successful Results with Innovative Designs

DETAILS

YOUNG SUBDIVISION
50 MILL HOUSE ROAD
T/NEWBURGH & T/MARLBOROUGH
ORANGE/ULSTER COUNTY, NEW YORK

JOB #: 1422.01

DATE: 01/21/2020

REVISION: 2 - 05/04/2020

SCALE: ML

TAX LOT: 1.52 (100)

108.004-5-20.1(UC)

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