

PROJECT LOCATION

Figure 1
 Carriage Hill Estates
 Draft Environmental Impact Statement
 September 2005

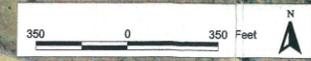
- KEY
- PROPERTY BOUNDARY, PROPOSED PROJECT LOCATION
 - TAX PARCEL BOUNDARY

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**ON-SITE WATER
DISTRIBUTION**
Figure 3A
Carriage Hill Estates
Draft Environmental Impact Statement
September, 2005

KEY
 ----- PROPOSED WATER MAIN
 — W — W — EXISTING 16" WATER MAIN

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ON-SITE SANITARY SEWER

Figure 3B
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- KEY**
- <----- PROPOSED GRAVITY SEWER
 - ← FM → PROPOSED FORCE MAIN
 - PS-1 PUMP STATION

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0 250 500 750 1000 Feet

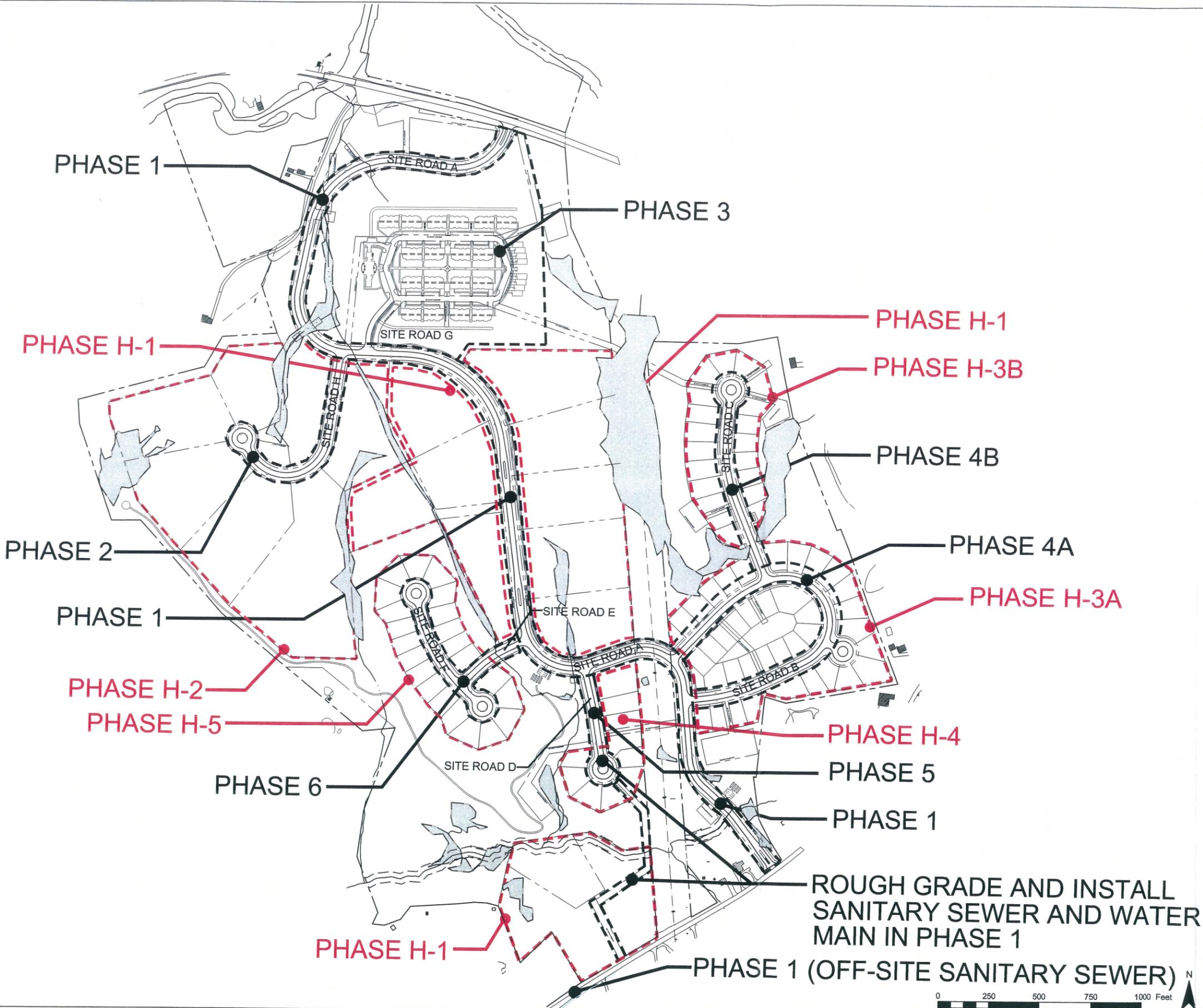


PHASING PLAN

Figure 3C
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KEY

- PHASING LINE-INFRASTRUCTURE
- PHASING LINE-HOUSING



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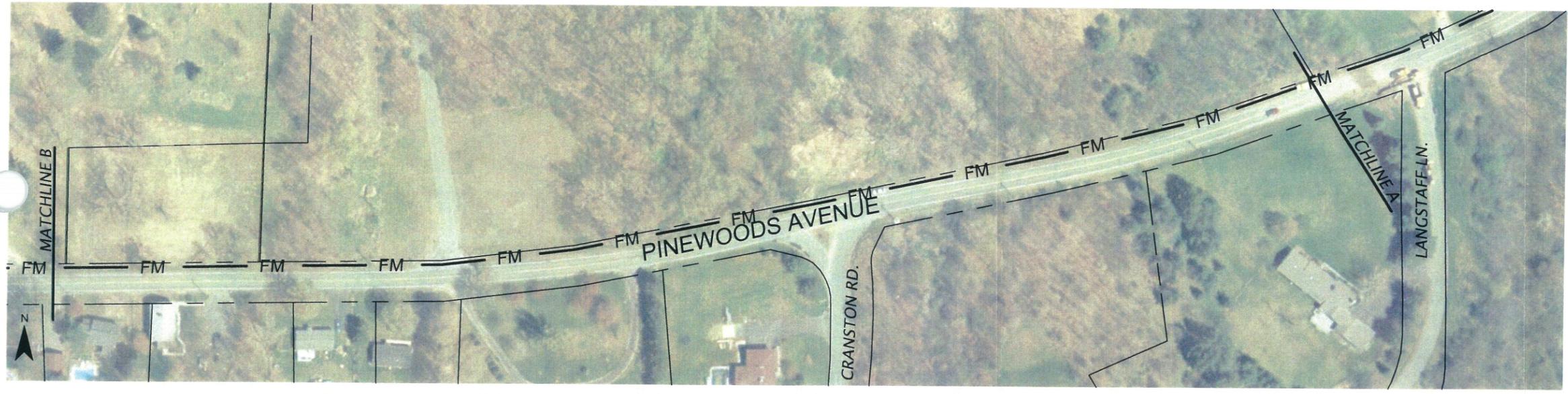


OFF-SITE SANITARY SEWER

Figure 4A
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KEY
 PROPOSED FORCE MAIN

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OFF-SITE SANITARY SEWER

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KEY
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OFF-SITE SANITARY SEWER

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September, 2005

KEY
— FM — PROPOSED FORCE MAIN

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TOPOGRAPHIC SURVEY

Figure 6
 Carriage Hill Estates
 Draft Environmental Impact Statement
 September, 2005

REFERENCE:
 PROPERTY LINE AND TOPOGRAPHIC SURVEY
 PREPARED BY HERSHBERG AND HERSHBERG
 CONSULTING ENGINEERS AND SURVEYORS,
 40 COLVIN AVE., ALBANY, NY 12206,
 DATED 1-25-05.

KEY:

— — — — —	PROPERTY BOUNDARY
- - - - -	EXISTING CONTOURS (2' INTERVAL)

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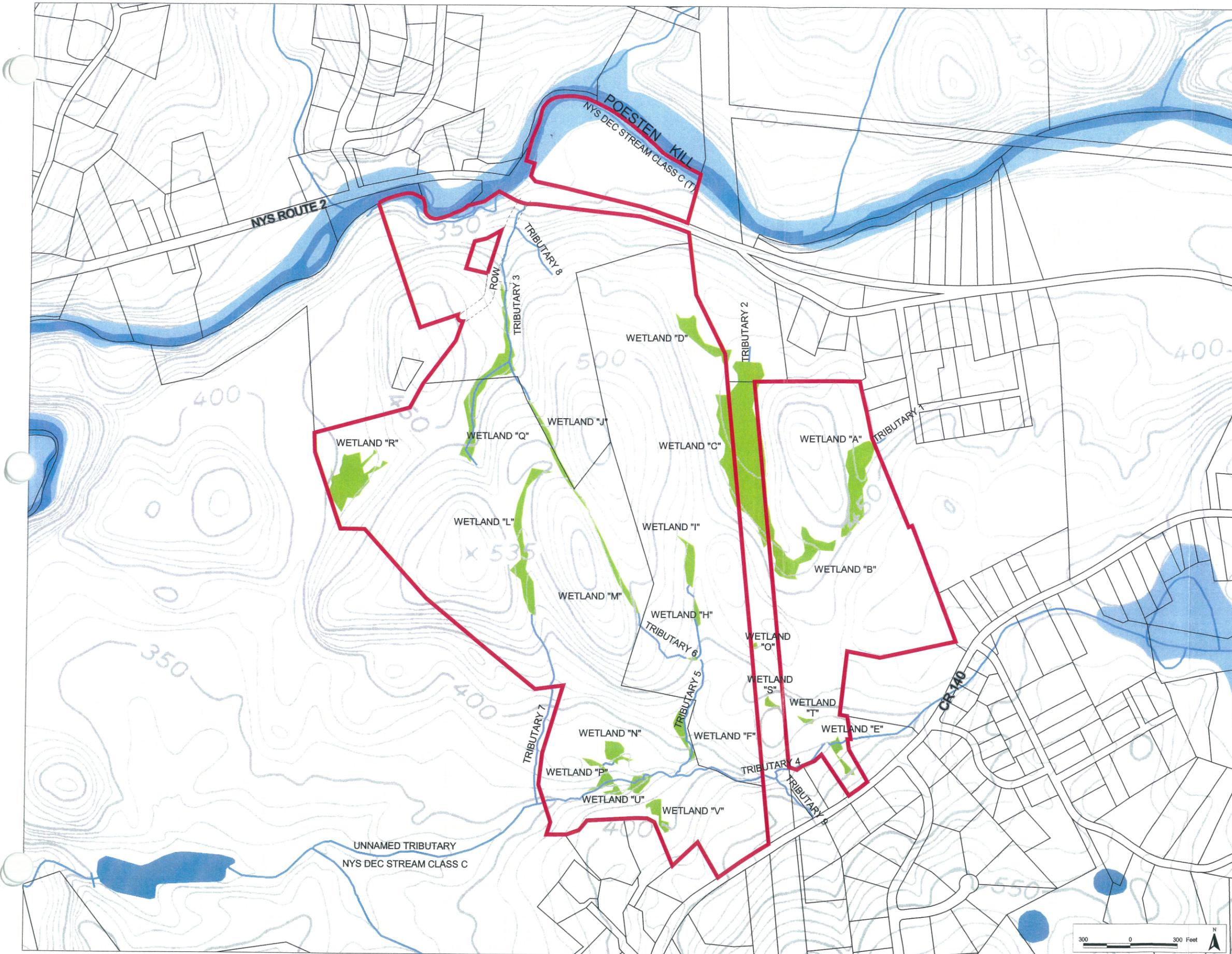
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WATER RESOURCES

FIGURE 7
Carriage Hill Estates
Draft Environmental Impact Statement
September 2005



KEY

- PROPERTY BOUNDARY, PROPOSED PROJECT LOCATION
- TAX PARCEL BOUNDARY
- 100 YEAR FLOODPLAIN (FEMA)
- WETLAND (SURVEYED)
- WATER
- ~ RIVER OR STREAM
- ~ CONTOUR LINE (10 FOOT INTERVAL)

- NOTE:
1. NO DEC-CLASSIFIED WETLANDS EXIST IN THE STUDY AREA
 2. WETLAND BOUNDARY IS BASED ON A DELINEATION & SURVEY PERFORMED BY LANSING ENGINEERING IN NOVEMBER 2004
 3. FLOOD PLAIN BOUNDARY IS BASED ON FEDERAL EMERGENCY MANAGEMENT AGENCY Q3 FLOOD DATA, DISC 20, NEW YORK (EAST), SEPTEMBER 1996
 4. CONTOURS BASED ON USGS QUADS: TROY SOUTH & AVERILL PARK, 1996

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EXISTING CONDITIONS DRAINAGE AREAS

Figure 8
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DEVELOPED CONDITIONS DRAINAGE AREAS

Figure 9
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CONCEPTUAL GRADING PLAN

Figure 10
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KEY

-  EXISTING CONTOURS (10' CONTOUR INTERVALS)
-  PROPOSED CONTOURS (10' CONTOUR INTERVALS)

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ACOE JURISDICTIONAL WETLANDS	
WETLAND DESIGNATION	ACREAGE
A	1.49
B	1.08
C	5.46
D	0.68
E	0.23
F	0.48
G	0.07
H	0.16
I	0.39
J	0.47
L	1.13
M	0.39
N	0.32
P	0.28
Q	1.57
U	0.35
TOTAL	14.55 Ac.

ACOE ISOLATED* WETLANDS	
WETLAND DESIGNATION	ACREAGE
O	0.03
R	1.37
S	0.08
T	0.06
V	0.26
TOTAL	1.80 Ac.

* NON-JURISDICTIONAL

STREAM DATA		
TRIBUTARIES	TOTAL LENGTH	STREAM #'S
PERENNIAL	1,834 ft.	1,2,4,5
EPHEMERAL	802 ft.	8
INTERMITTENT	3,560 ft.	3,6,7,9,10

NOTE: STREAM 8 = 2005 SF

ACOE JURISDICTIONAL WETLAND IMPACTS-ROAD CROSSINGS

AREA	WETLAND	DISTURBANCE
1	"E"	.045 AC.
2	"H"	.022 AC.
3	"M"	.021 AC.
4	"J"	.009 AC.
5	"O"	.251 AC.
6	"Q"	.025 AC.
7	"B"	.026 AC.
8	"A"	.022 AC.
TOTAL WETLAND	DISTURBANCE	.421 AC.

WETLAND IMPACTS

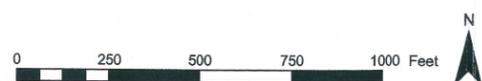
Figure 10A
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TRAFFIC IMPACT ASSESSMENT INTERSECTION LOCATIONS

FIGURE 11
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- KEY**
- STUDY AREA
 - TRAFFIC IMPACT ASSESSMENT INTERSECTION

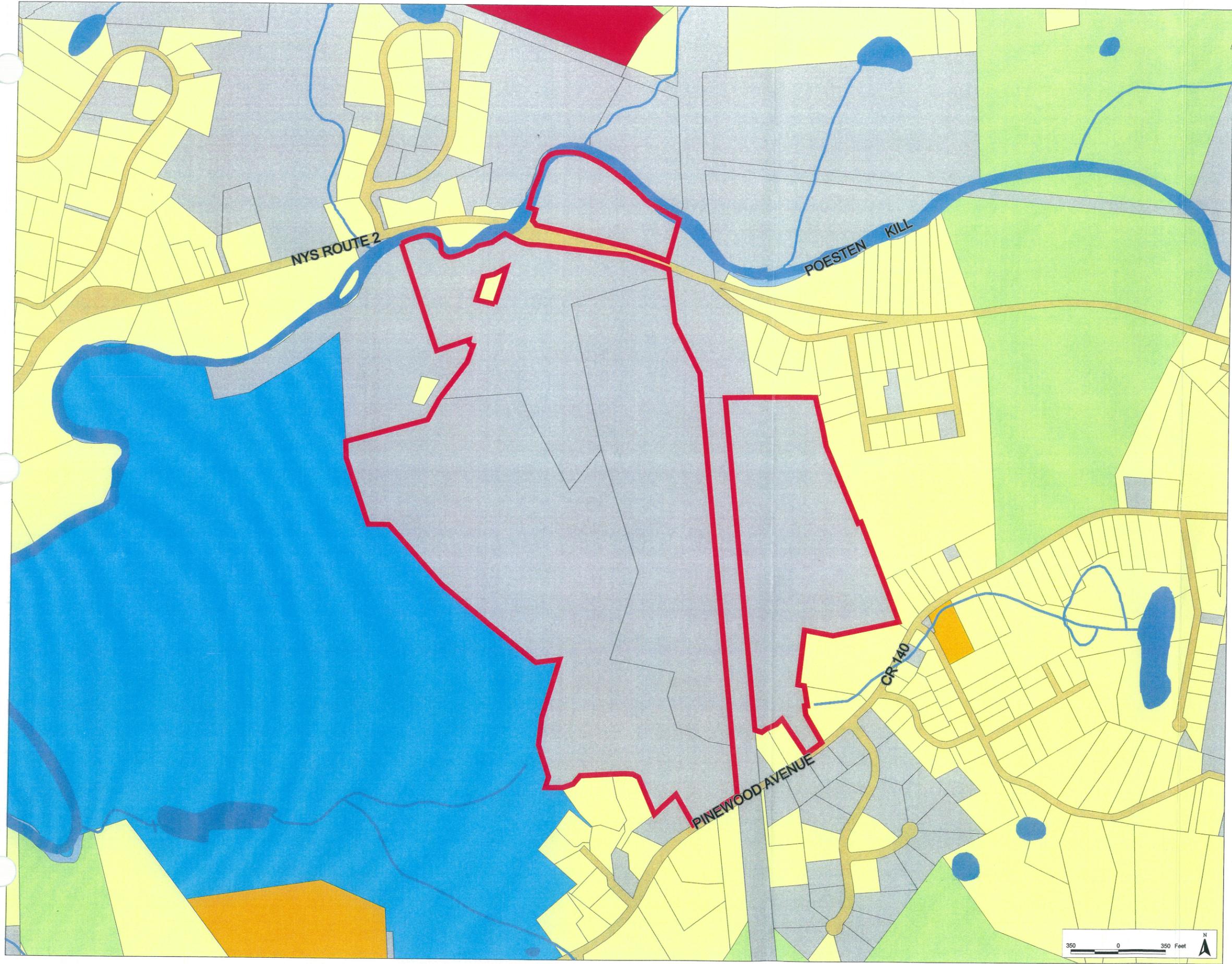
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EXISTING LAND USE

Figure 12
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- KEY**
- PROPERTY BOUNDARY, PROPOSED PROJECT LOCATION
- LAND USE CLASSIFICATION**
- AGRICULTURAL
 - COMMERCIAL
 - PUBLIC SERVICES
 - FORESTED
 - INDUSTRIAL
 - RECREATION & ENTERTAINMENT
 - COMMUNITY SERVICES
 - RESIDENTIAL
 - VACANT
 - ROW
- WATERBODY
- RIVER OR STREAM

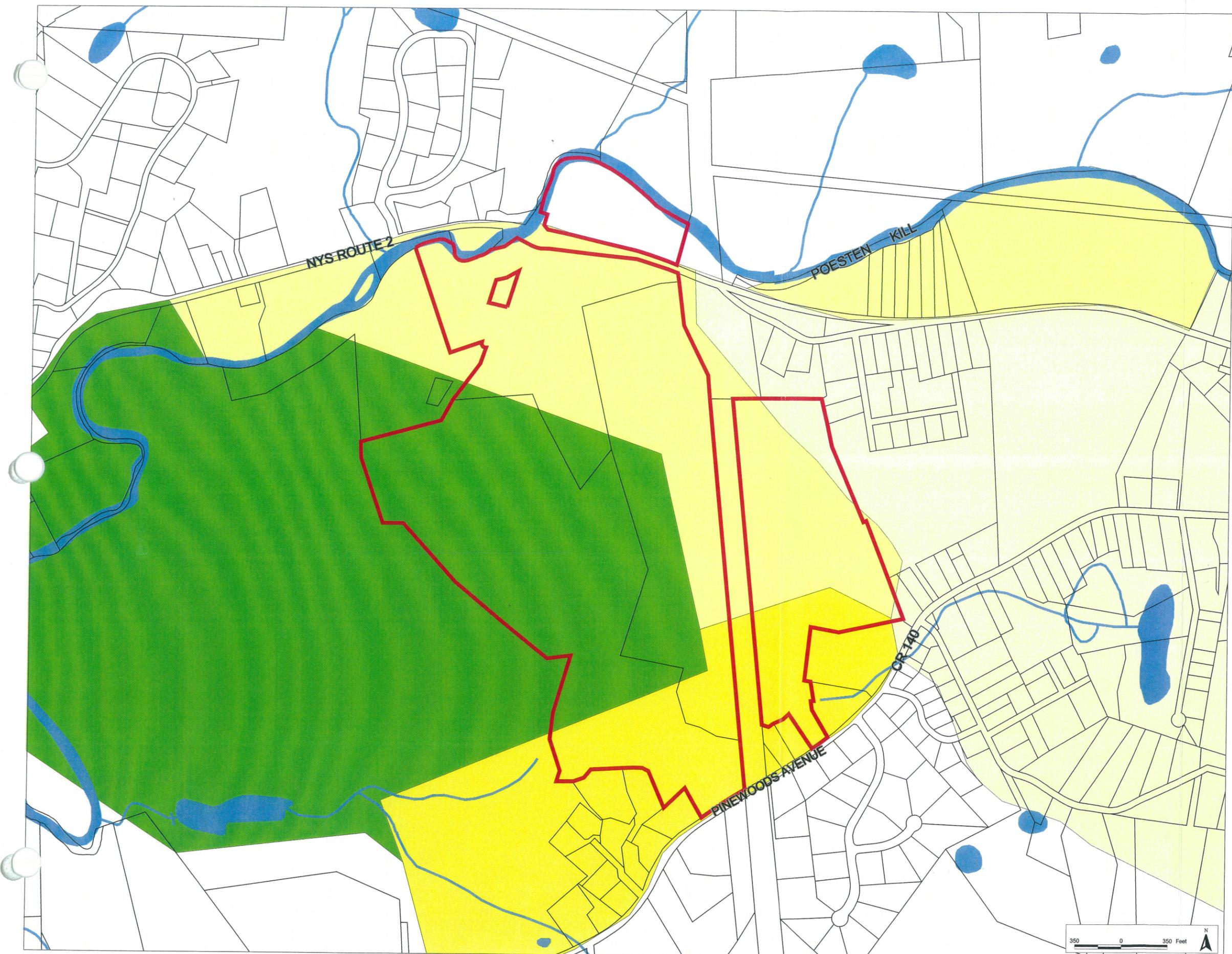
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EXISTING ZONING

FIGURE 13
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 Draft Environmental Impact Statement
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KEY

- PROPERTY BOUNDARY, PROPOSED PROJECT LOCATION
- ZONING**
- R - 15
- R - 25
- R - 40
- RCC
- TAX PARCEL BOUNDARY
- WATERBODY
- RIVER OR STREAM

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HISTORIC AND ARCHEOLOGICAL SITE LOCATIONS

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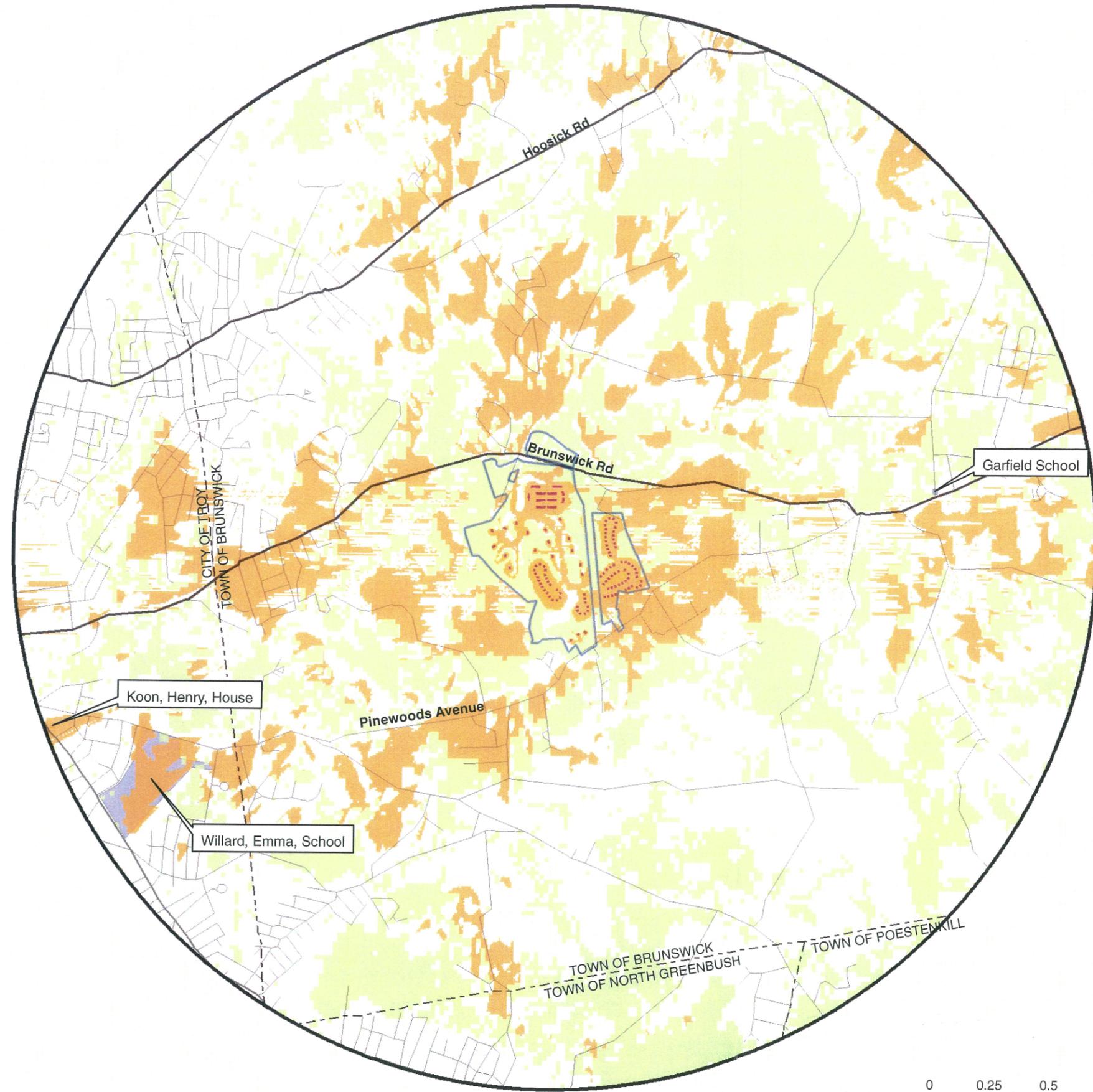
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VIEWSHED ANALYSIS

Figure 15A
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KEY

- 2-MILE BUFFER
- PROPOSED PROJECT BOUNDARY
- PROPOSED BUILDING
- VISIBILITY FROM PROPOSED BUILDINGS
- FOREST
- NATIONAL REGISTER SITE
- MUNICIPAL BOUNDARY

NOTE: Viewshed calculated from a series of elevation points representing building corners of proposed buildings. See report for complete description of viewshed methodology.

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LINE OF SITE ANALYSIS

Figure 15B
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 Draft Environmental Impact Statement
 September 2005

KEY

-  PROPOSED PROJECT BOUNDARY
-  MUNICIPAL BOUNDARY
-  PROPOSED BUILDINGS
-  VISIBILITY FROM PROPOSED BUILDINGS

LINE OF SITE

-  VISIBLE FROM ORIGIN
-  NOT VISIBLE FROM ORIGIN

LINE OF SITE ORIGINS

- 1. BRUNSWICK HILLS DEVELOPMENT
- 2. HIGHLAND HILLS DEVELOPMENT
- 3. NYS ROUTE 2 - EAST
- 4. NYS ROUTE 2 - WEST
- 5. PINE WOODS HILLS DEVELOPMENT
- 6. EAGLE RIDGE DEVELOPMENT
- 7. TROY COUNTRY CLUB 7TH FAIRWAY
- 8. TROY COUNTRY CLUB 5TH TEE

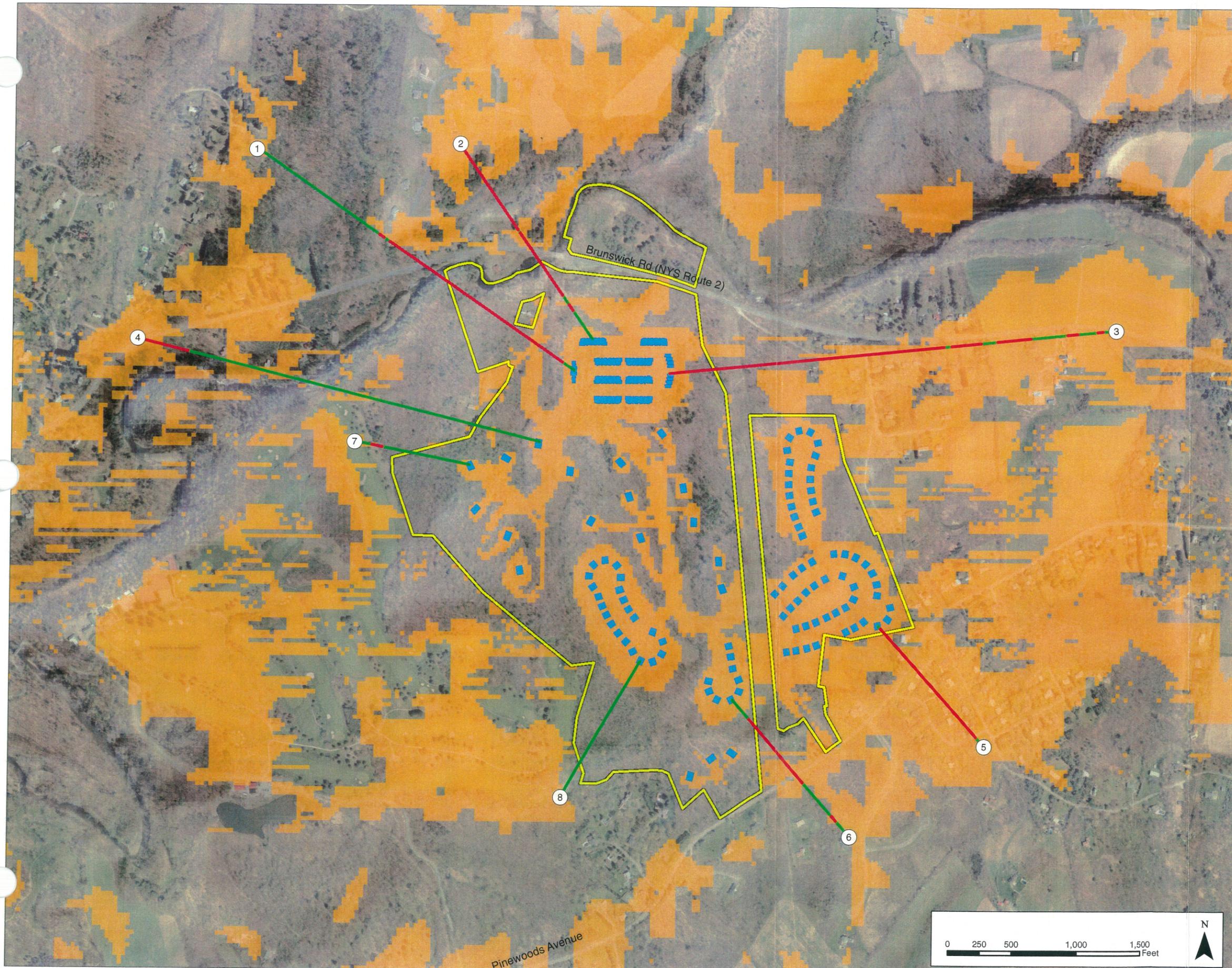
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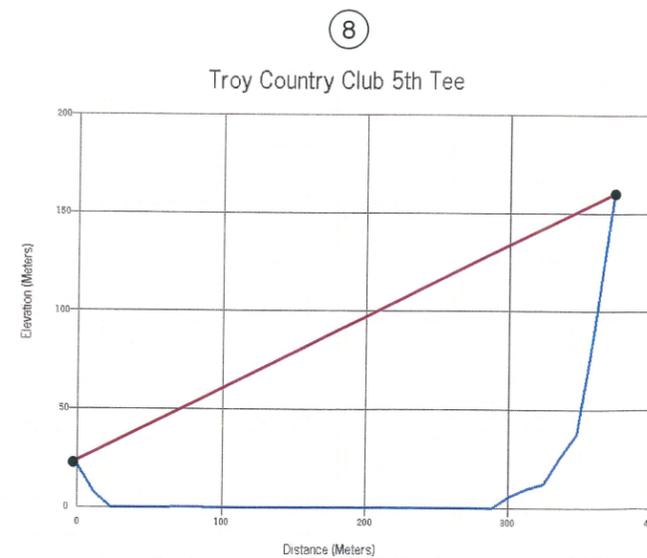
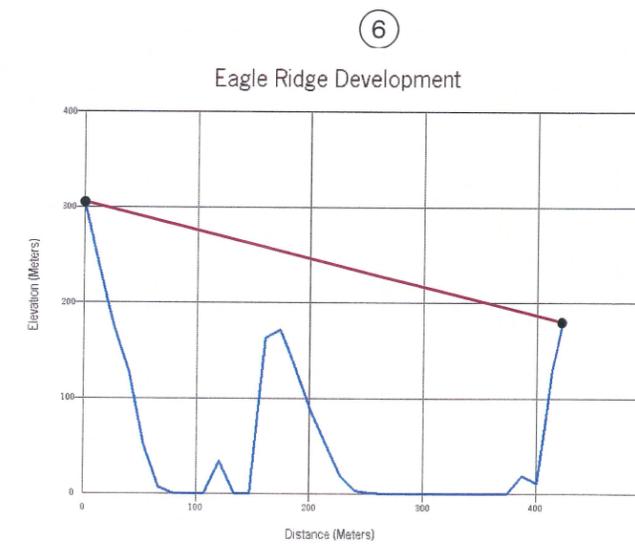
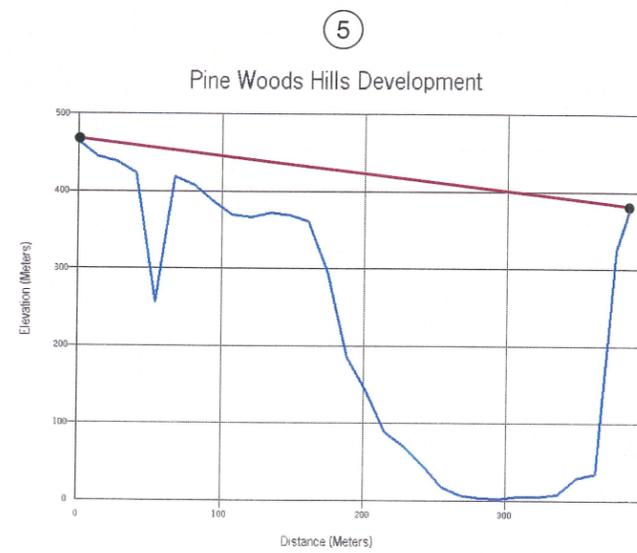
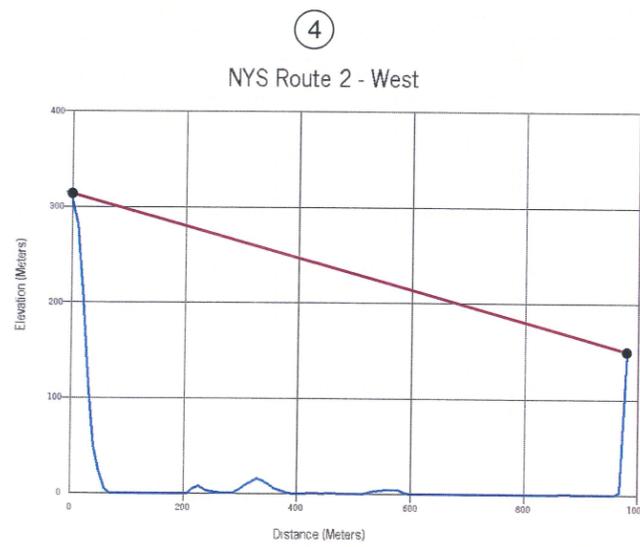
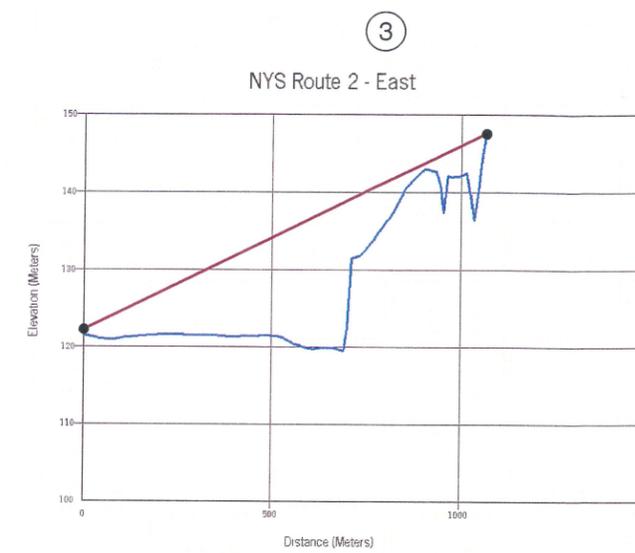
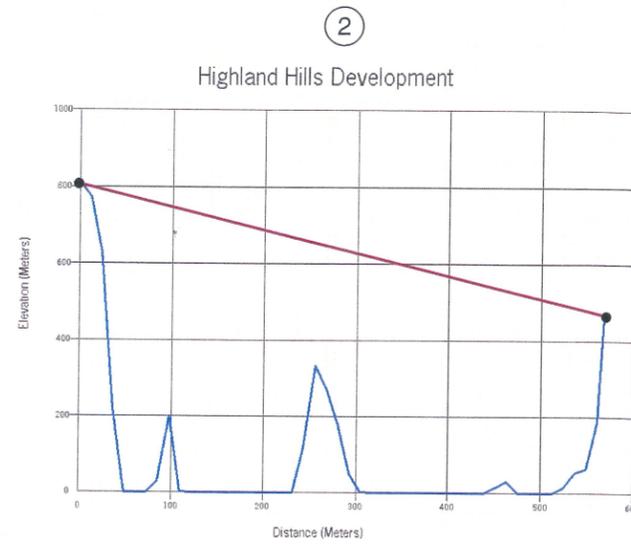
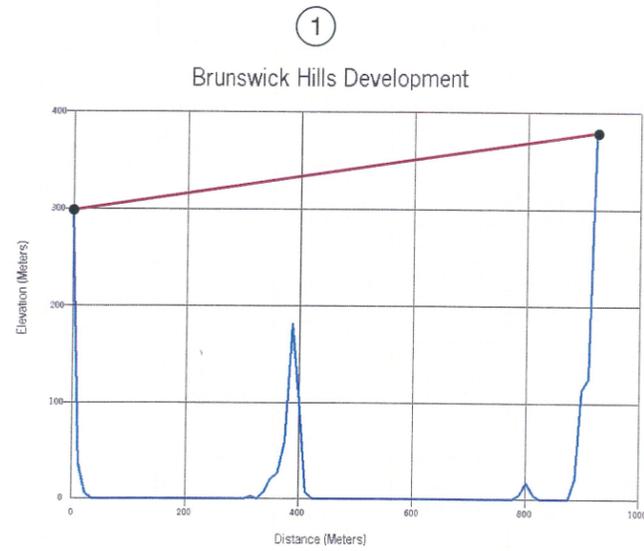
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LINE OF SITE PROFILES

Figure 15C
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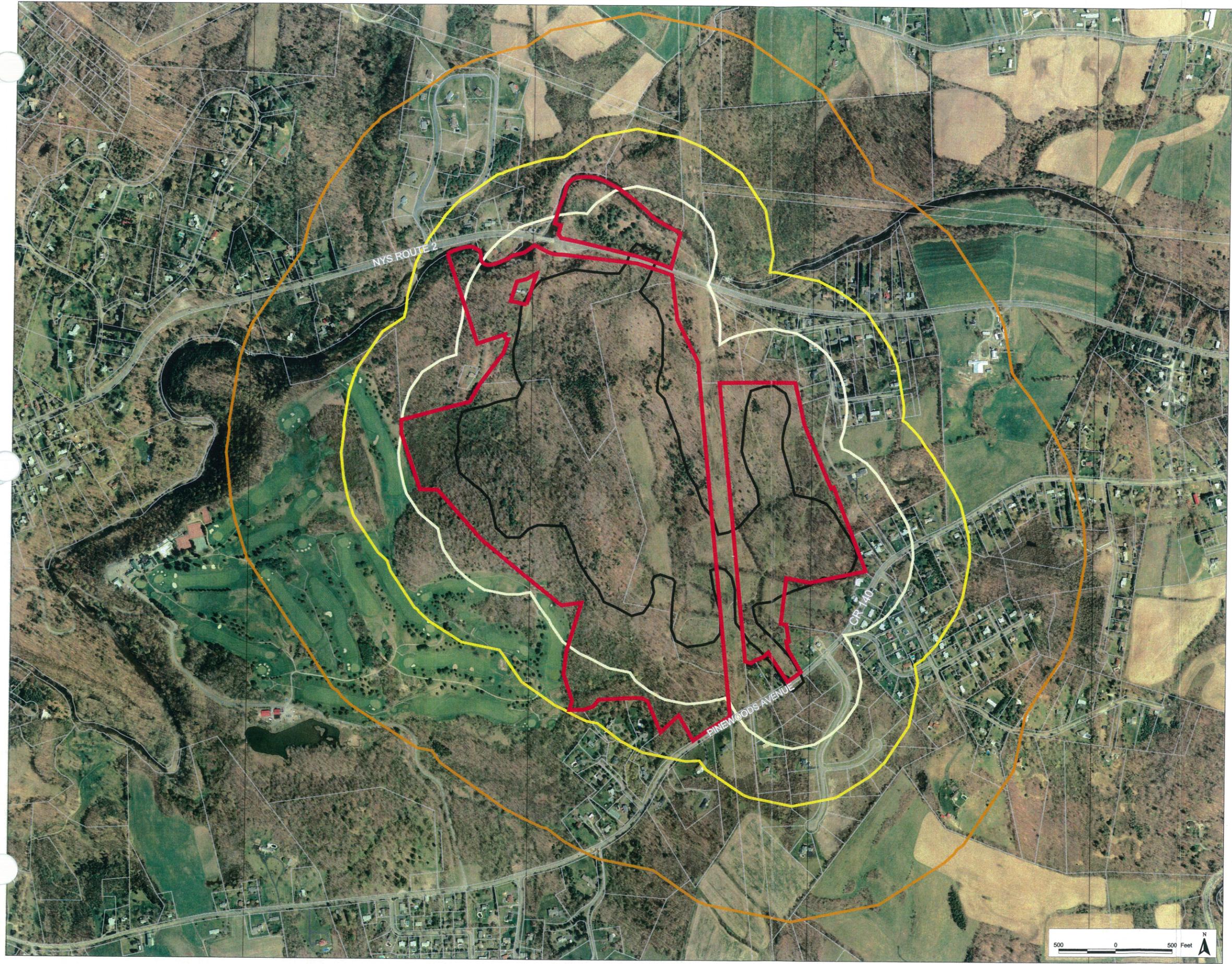
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NOISE IMPACT ASSESSMENT

FIGURE 16
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- KEY
- PROPERTY BOUNDARY, PROPOSED PROJECT LOCATION
 - PROPOSED ROAD & BUILDING LIMIT
 - TAX PARCEL BOUNDARY
- PROPOSED ROAD LIMIT BUFFER
- 500 FOOT
 - 1000 FOOT
 - 2000 FOOT

* BACKGROUND DATA: RENSSELAER COUNTY HIGH RESOLUTION DIGITAL ORTHOIMAGERY 2000

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