

**PHASE 1B CULTURAL RESOURCE INVESTIGATION ADDENDUM**  
**AND**  
**PHASE 2 SITE EVALUATION OF RAIL TRAIL PRECONTACT LOCUS 2**  
**(A02719.000221)**

**PROPOSED RAIL TRAIL SUBDIVISION**

**TOWN OF WAPPINGER, DUTCHESS CO., NY**

**DEC# 3-1356-00253/00001**  
**OPRHP# 09PR00714**

**PREPARED FOR:**

**POVALL ENGINEERING, PLLC**  
**25 CORPORATE PARK DRIVE,**  
**SUITE C**  
**HOPEWELL JUNCTION, NY 12533**

**FEBRUARY 22nd, 2010**

**PREPARED BY: JOSEPH E. DIAMOND, Ph.D.**

**290 OLD ROUTE 209,**

**HURLEY, N.Y. 12443**

**845-338-0091**



**PROJECT REVIEW COVER FORM**

Rev. 10-04

Please complete this form and attach it to the top of any and all information submitted to this office for review.  
 Accurate and complete forms will assist this office in the timely processing and response to your request.

This information relates to a previously submitted project.

PROJECT NUMBER 09 PR 00714

If you have checked this box and noted the previous Project Review (PR) number assigned by this office you do not need to continue unless any of the required information below has changed.

COUNTY Dutchess

2. This is a new project.

If you have checked this box you will need to complete ALL of the following information.

Project Name Rail Trail Subdivision

Location East of Airport Drive

You MUST include street number, street name and/or County, State or Interstate route number if applicable

City/Town/Village Wappingers

List the correct municipality in which your project is being undertaken. If in a hamlet you must also provide the name of the town.

County Dutchess

If your undertaking\* covers multiple communities/counties please attach a list defining all municipalities/counties included.

**TYPE OF REVIEW REQUIRED/REQUESTED** (Please answer both questions)

A. Does this action involve a permit approval or funding, now or ultimately from any other governmental agency?

No  Yes

If Yes, list agency name(s) and permit(s)/approval(s)

Agency involved	Type of permit/approval	State	Federal
<u>SEQRA</u>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>SPEDES</u>	<u>(DEC)</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>Stream Crossing</u>	<u>(DEC/ACOE)</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

B. Have you consulted the NYSHPO web site at <http://www.nysparks.state.ny.us/shpo> to determine the preliminary presence or absence of previously identified cultural resources within or adjacent to the project area? If yes:

Yes  No

Was the project site wholly or partially included within an identified archeologically sensitive area?

Yes  No

Does the project site involve or is it substantially contiguous to a property listed or recommended for listing in the NY State or National Registers of Historic Places?

Yes  No

**CONTACT PERSON FOR PROJECT**

Name William Povall Title Engineer

Firm/Agency Povall Engineering, PLLC

Address 25 Corporate Park Drive, Suite C City Hopewell Junction STATE NY zip 12533

Phone (845) 897-8205 Fax (845) 897-0042 E-Mail billp@povallengineering.com

## TABLE OF CONTENTS

### Phase 1B Archaeological Addendum

Management Summary.....	1
Introduction.....	2
Research Design.....	2
Field Methods and Procedures.....	2
Results of Field Investigation.....	2
Conclusion and Recommendations .....	2
References.....	3

### MAPS

1. New York State.
2. U.S.G.S. Pleasant Valley and Hopewell Junction Quadrangles.
3. Project Map/Northern portion of project area (enclosure).
4. Project Map/Southern portion of project area (enclosure).

### PHOTOGRAPHS

1. Excavation of Shovel test #739. View northwest.

### APPENDICES

1. Shovel Test Record.

MAPS

# CULTURAL RESOURCE INVESTIGATION PHASE 1B ADDENDUM

## Management Summary

SHPO: Project Review #: DEC# 3-1356-00253/00001  
OPRHP# 09PR00714

Involved State and Federal Agencies: SEQRA, DEC/ SPDES GP-002-01  
DEC/Stream Crossing permit  
ACOE/ Wetland Mitigation

Phase of Survey: **Phase 1B Addendum**

Location Information: **Original Survey Area**  
Survey Area (Metric and English): **114.30 acre (46.26 hectare)**  
Length: **c. 5200 ft (1585 m) north/south**  
Width: **c. 2000 ft (610 m) east/west**

Current survey area for Phase 1B Addendum: **Approximately 2.8 acres (1.1 ha).**

USGS 7.5 Minute Quadrangle Map: **Pleasant Valley and Hopewell Junction Quadrangles**

**Archaeological Survey Overview:** Due to changes in the amount of horizontal surface area and the location of the proposed wetland mitigation for this project, several areas were subjected to expanded testing past the original Phase 1B Archaeological Survey (Diamond 11/7/08). The first of these included two small areas on the eastern side of the stream directly across from the current cul-de-sac. These two locations were tested with a total of 12 shovel tests. No historic or pre-contact artifacts were found.

A second location that was tested for this Addendum, was an enlarged mitigation area where presently dry land will be turned to wetland. A total of 31 shovel tests were excavated here. No historic or pre-contact artifacts were found.

Results of Archaeological Addendum:

Total shovel tests excavated: **43**

Number & name of prehistoric sites identified during 1B Addendum: **None**

Number & name of historic sites identified during 1B Addendum: **None**

Report Author: **Joseph E. Diamond, Ph.D.**

Date of Report: **2/22/10**

## **RAIL TRAIL: PHASE 1B ARCHAEOLOGICAL ADDENDUM**

### **Introduction**

This cultural resource survey was conducted to evaluate several small portions of the project area that have been added to the original proposed Rail Trail Subdivision in the Town of Wappinger, Dutchess County, NY (Maps 1 and 2). The project area is a 114.30 acre (46.26 hectare) parcel located at the end of Airport Drive. The project area is a roughly diamond-shaped parcel with numerous projections that abut Hackensack Heights Road in its southwestern portion, and the old New York and New Haven Railroad line, now Consolidated Rail, along a portion of its eastern edge (Map 2). The proposed project is at this point a subdivision with 44.6 acres (18.05 ha) of wetland, 30.68 acres (12.4 ha) of wetland buffer, and a proposed stream crossing from Airport Drive to provide access.

This Phase 1B Addendum covers approximately 2.8 acres (1.1 ha). It is composed of essentially two areas; one near the stream crossing, and one near the southern portion of the project area.

### **Research Design**

Field reconnaissance on the Phase 1B Addendum was begun in mid October of 2010 and completed during the same month. Shovel testing was undertaken in the Area of Proposed Effect (APE), in three locations. Two of these were on either side of the eastern side of the proposed stream crossing, and the third was the expanded wetland mitigation area.

### **Field Methods and Procedures**

Field methods consisted of locating the exact location of the stream crossing and testing the small areas that were to be impacted by it and around it. Shovel tests were laid out, flagged and then excavated. For the area of additional wetland mitigation to the south, previous shovel test lines were identified, and transects were extended into the new area to be included under the wetland mitigation. The testing procedure covered the entire APE of each area.

All soil was screened through 1/4 inch hardware cloth. A Munsell soil color chart was used to determine soil colors.

### **Results of Field Investigation**

#### **Stream Crossing and Small Wetland Mitigation areas.**

A total of 12 shovel tests were excavated in the area around the stream crossing and small wetland mitigation areas (Photograph 1). Shovel tests 737-743 targeted the road and small wetland mitigation to the north of it. Shovel tests 744 to 748 tested a small wetland mitigation area and short proposed access roadway leading down to it (Map 3, enclosure). The soils consisted primarily of clayey loams overlying various colors of clay. No historic or prehistoric artifacts were found (see Appendix 1).

#### **Southern Expanded Wetland Mitigation Area**

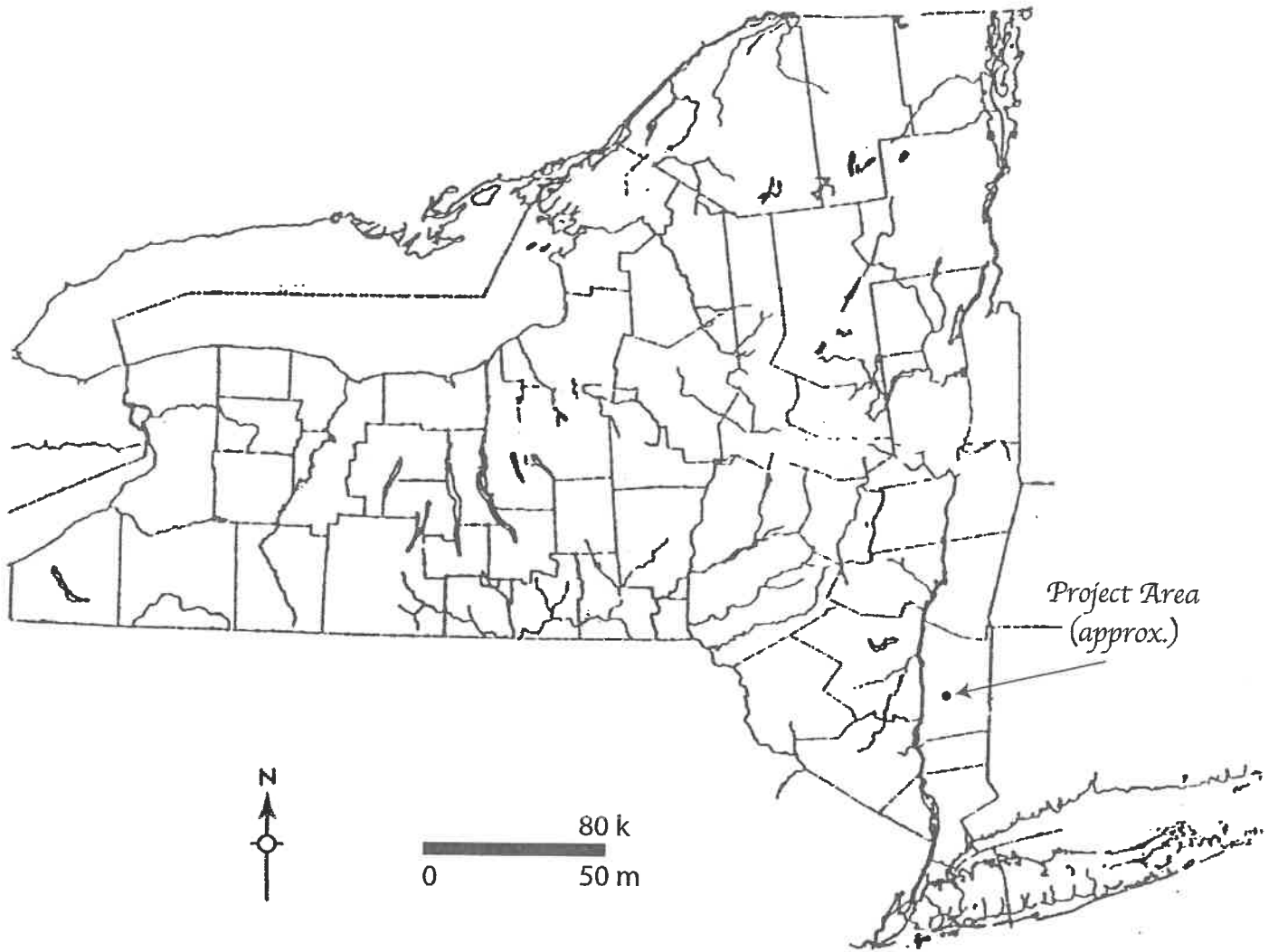
To the south, the area that was the expanded wetland mitigation area was tested with a total of 31 shovel tests (Map 4, enclosure). These were shovel tests 706 through 736. The soils here were an old plowzone that was very consistent from one end to the other. The soils were a brown silty loam with gravel overlying a yellow brown silt with gravels. No historic or prehistoric artifacts were found (see Appendix 1).

### **Conclusion and Recommendations**

Additional shovel testing of three areas of the proposed Rail Trail Subdivision targeted newly proposed wetland mitigation areas. A total of 43 shovel tests were excavated, with no historic or prehistoric artifacts being found. No further work is recommended for these locations.

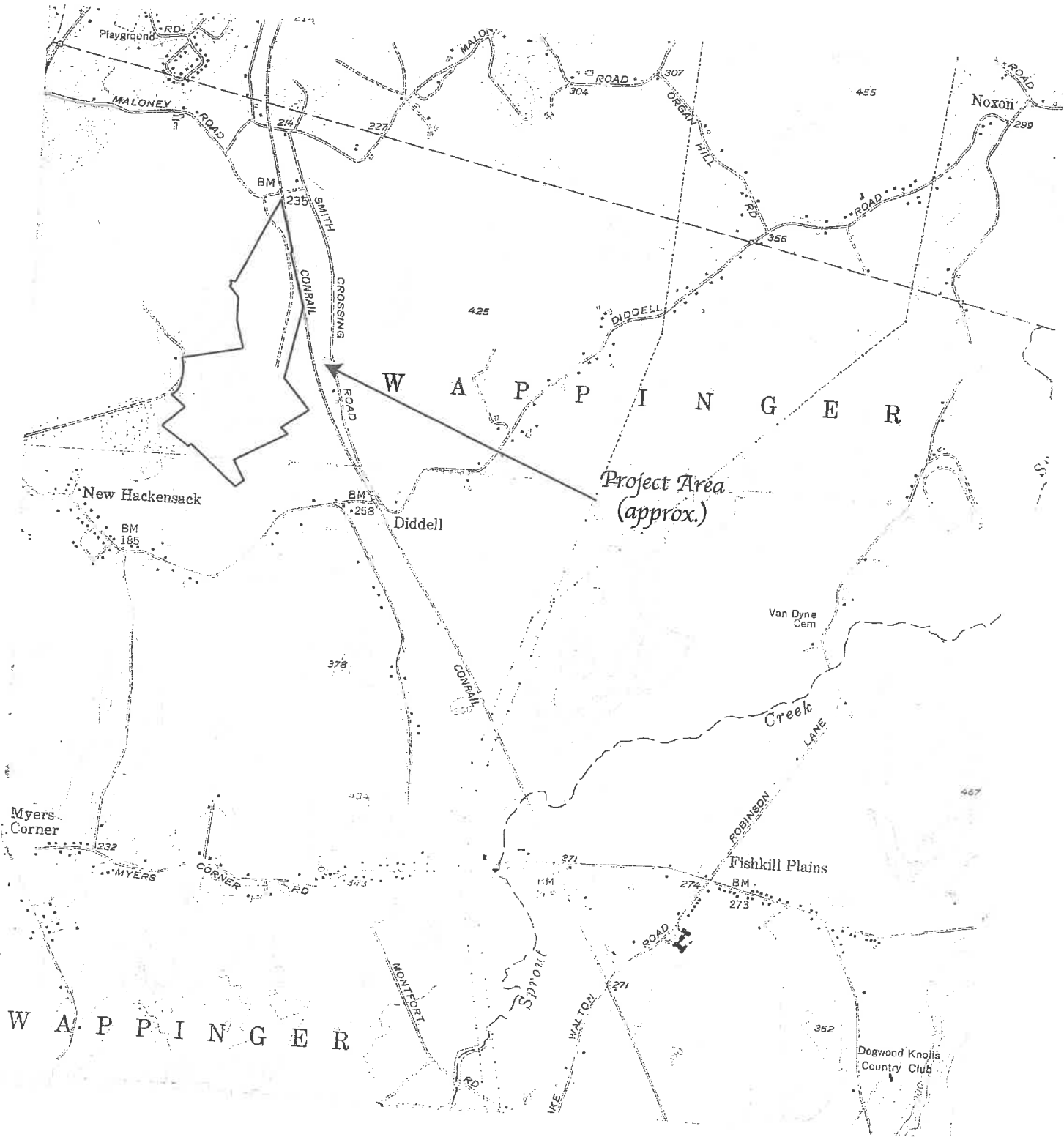
## REFERENCES

- Diamond, Joseph E.  
2008 Phase 1 Cultural Resource Investigation, Proposed Rail Trail Subdivision, Town of  
Wappinger, Dutchess County, NY. (11/7/08)



Map 1. New York State





2000 ft. / 610 m.

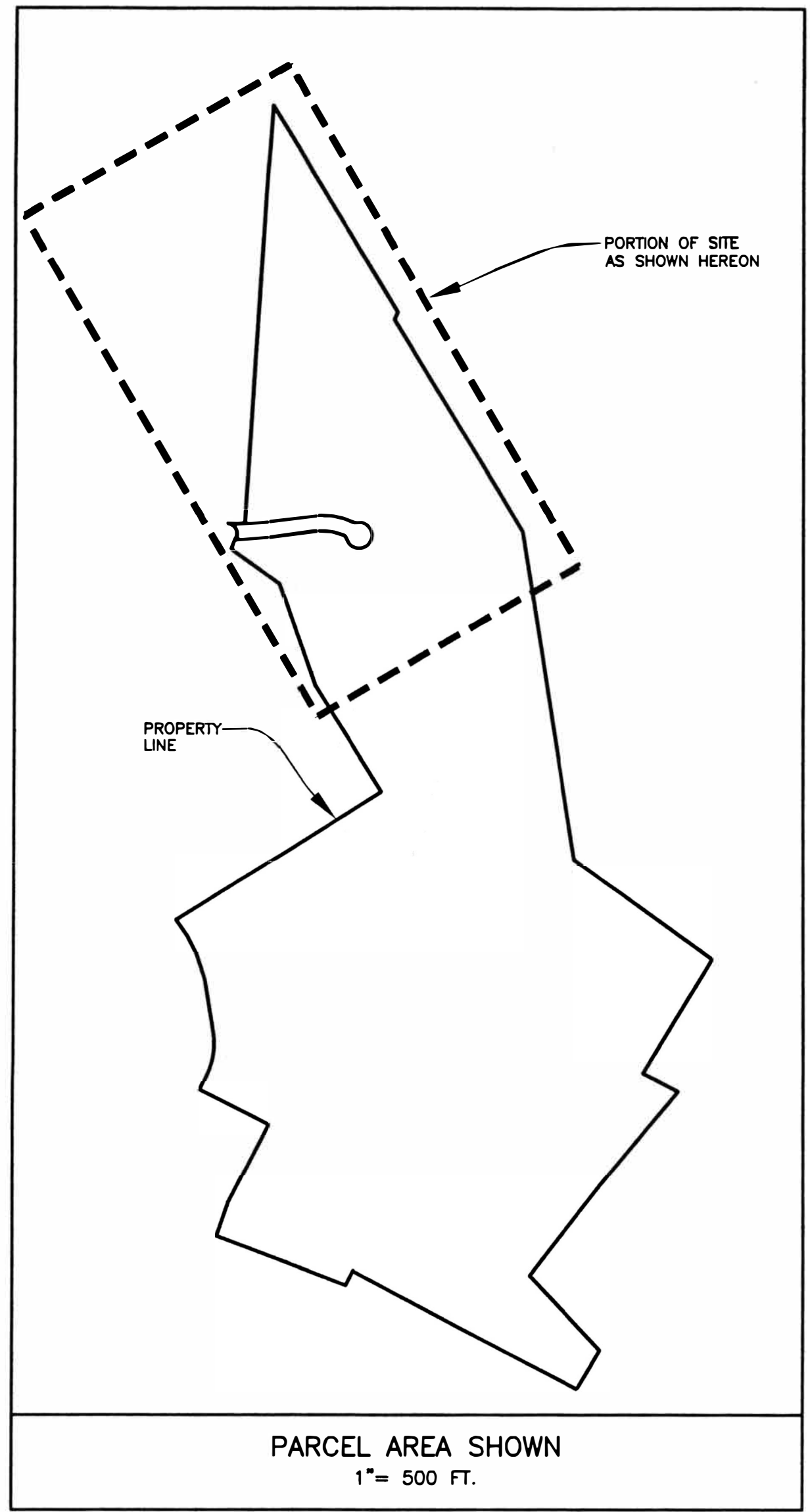
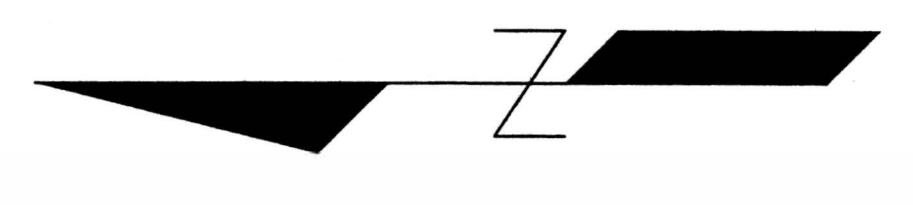
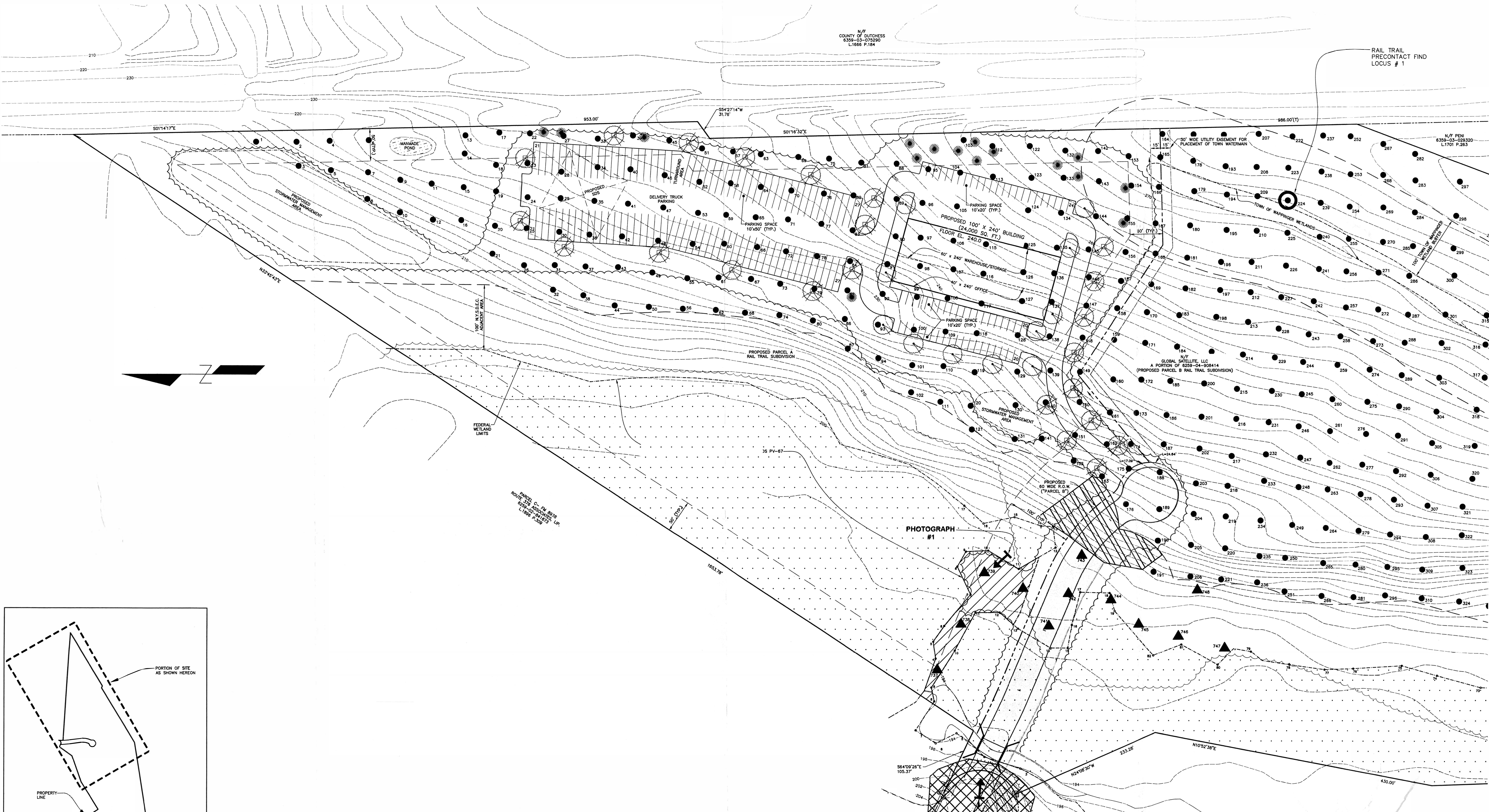


North

Map 2. USGS Hopewell Junction & Pleasant Valley Quadrangles

N/T  
 COUNTY OF DUTCHESS  
 6356-03-075290  
 L1666 P.184

RAIL TRAIL  
 PRECONTACT FIND  
 LOCUS # 1



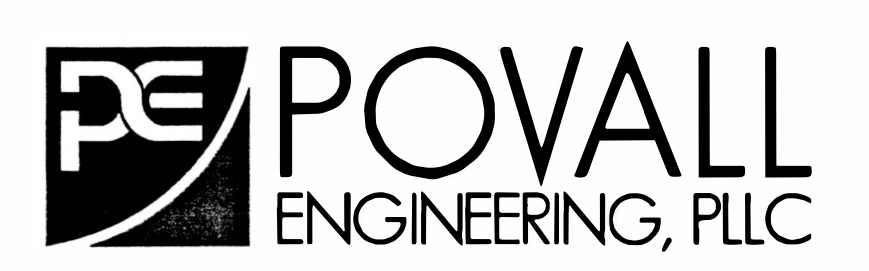
### MAP 3: PHASE 1B ADDENDUM

706 ▲	PHASE 1B ADDENDUM SHOVEL TEST HOLES
103 ●	ORIGINAL PHASE 1B SHOVEL TEST HOLES
➔	PHOTOGRAPH LOCATION
⊙	PREHISTORIC HIT
[Hatched Box]	AREA NOT EXCAVATED DUE TO SLOPE EXCEEDING 12-15%
[Cross-hatched Box]	PREVIOUSLY DISTURBED AREA
[White Box]	WET OR STANDING WATER

#### LEGEND

[Solid Line]	PROPERTY LINE
[Dashed Line]	EXISTING R.O.W./LOT LINE
[Dotted Line]	PROPOSED LOTLINE
[Dashed Line]	EXISTING CONTOUR
[Dotted Line]	EXISTING WATER COURSE
[Wavy Line]	EXISTING TREE LINE
[Dashed Line]	EXISTING PAVEMENT
○	WETLAND FLAG
[Dotted Area]	N.Y.S.D.E.C. ACDE & TOWN JURISDICTIONAL WETLANDS
[Dotted Area]	N.Y.S.D.E.C. & TOWN 100' BUFFER LIMIT
[Dotted Area]	N.Y.S.D.E.C. FRESHWATER WETLANDS
[Hatched Area]	WETLAND MITIGATION AREA

REVISIONS	
DATE:	DESCRIPTION:


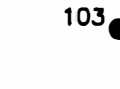

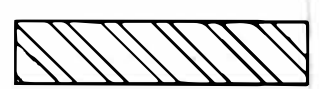

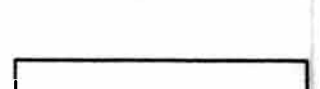


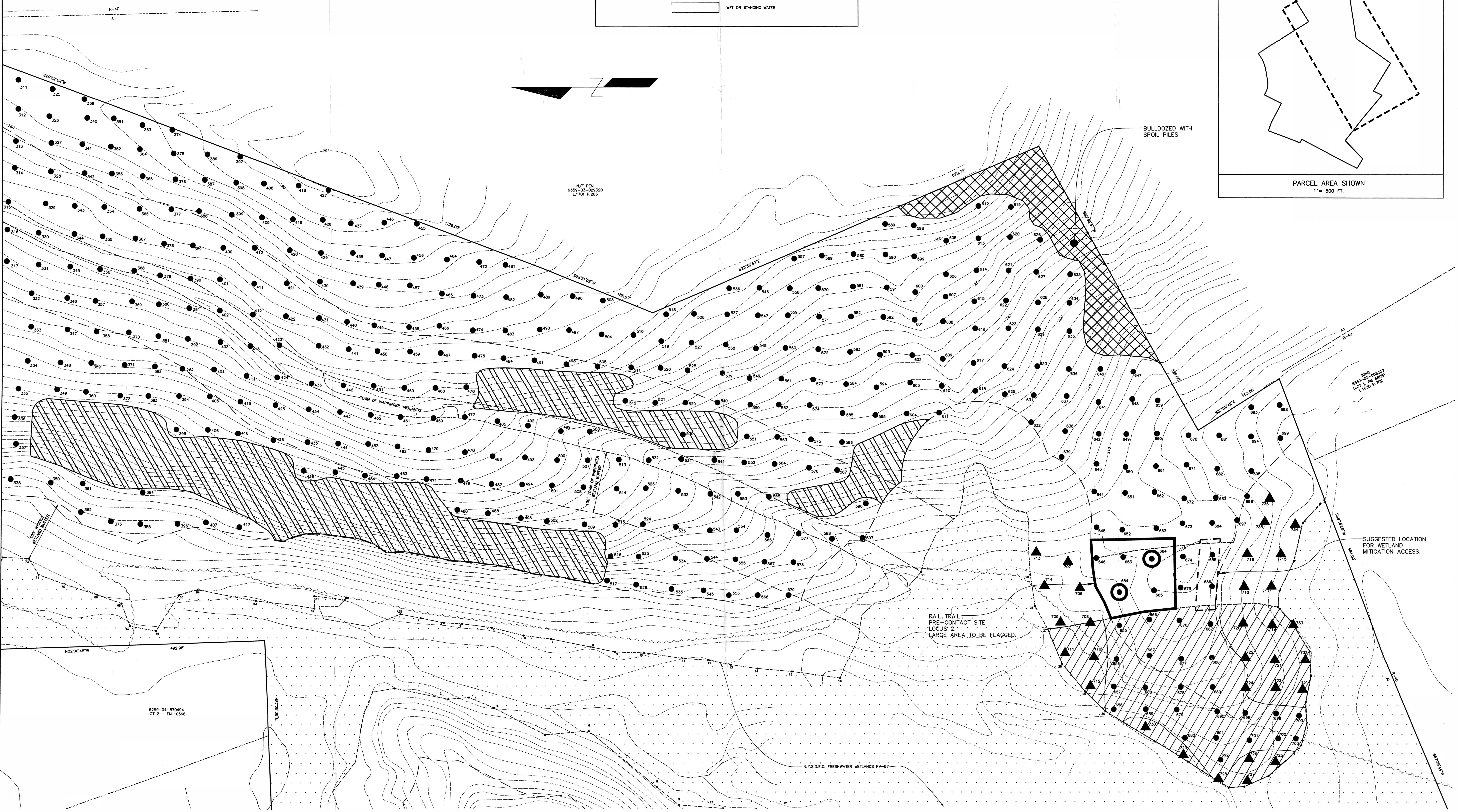
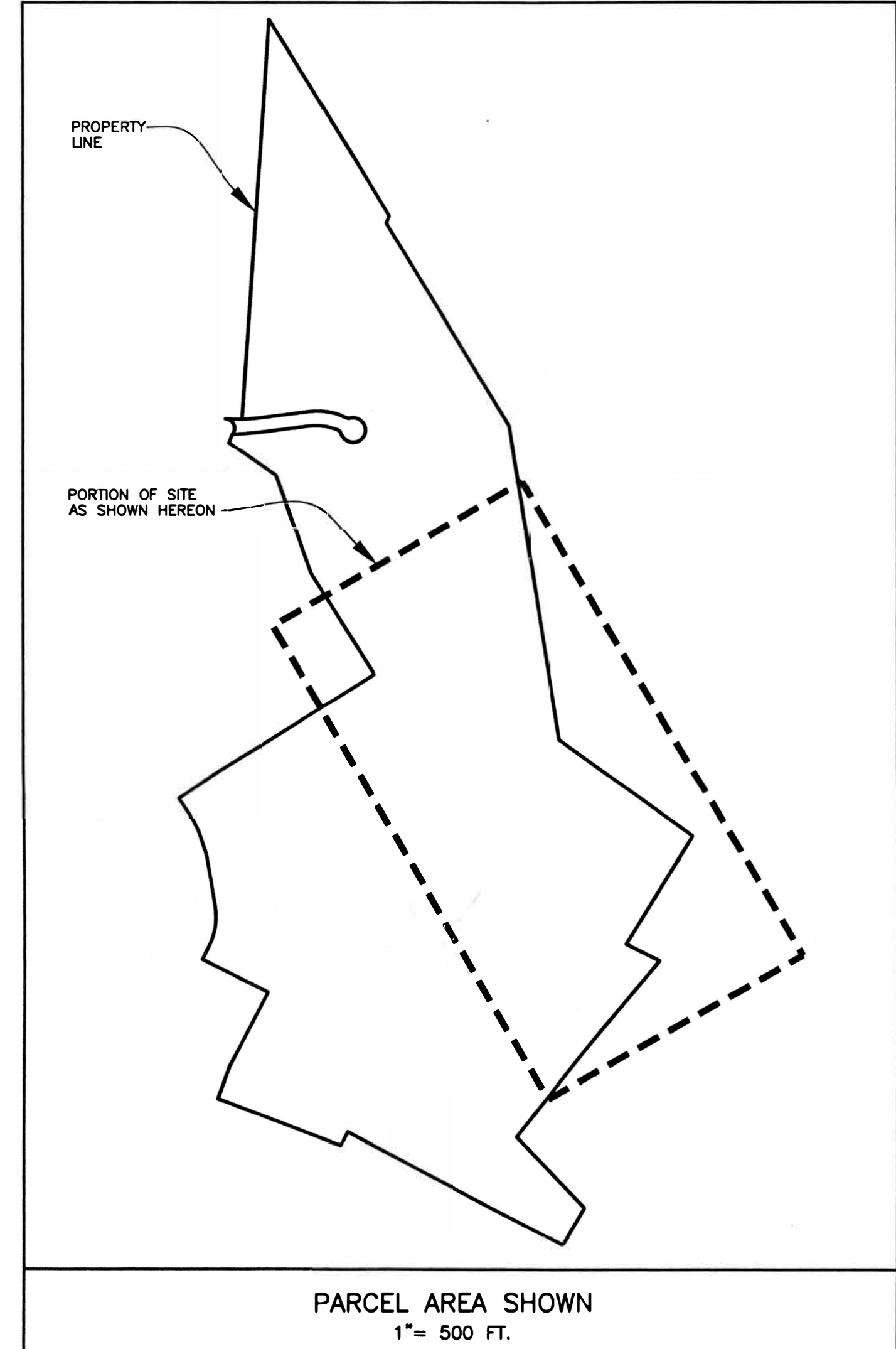
WILLIAM H. POVALL III, P.E.  
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PHASE 1B ADDENDUM MAP 3 FOR  
**RAIL TRAIL SUBDIVISION**  
 TOWN OF WAPPINGER  
 DUTCHESS COUNTY, NEW YORK

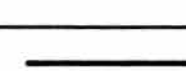


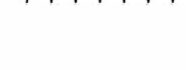

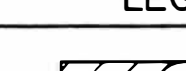
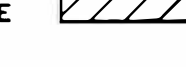






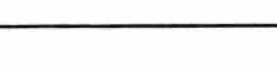

JOB #: 0402  
 DATE: 03-09-10  
 SCALE: 1"=50'  
 AS-2  
 SHEET 1 OF 2

# MAP 4: PHASE 1B ADDENDUM

-  PHASE 1B ADDENDUM SHOVEL TEST HOLES
-  ORIGINAL PHASE 1B SHOVEL TEST HOLES
-  PREHISTORIC HIT
-  AREA NOT EXCAVATED DUE TO SLOPE EXCEEDING 12-15%
-  PREVIOUSLY DISTURBED AREA
-  WET OR STANDING WATER



DATE:	REVISIONS
	DESCRIPTION:

LEGEND	
	PROPERTY LINE
	EXISTING R.O.W./LOT LINE
	EXISTING CONTOUR
	EXISTING WATER COURSE
	EXISTING TREE LINE
	WETLAND MITIGATION AREA
	WETLAND FLAG
	N.Y.S.D.E.C. ACDE & TOWN JURISDICTIONAL WETLANDS
	N.Y.S.D.E.C. & TOWN 100' BUFFER LIMIT
	N.Y.S.D.E.C. FRESHWATER WETLANDS
	SHOVEL TEST HOLES
	PHOTOGRAPH LOCATION
	PREHISTORIC HIT
	AREA NOT EXCAVATED DUE TO SLOPE EXCEEDING 12-15%
	EDGE OF DISTURBED AREA

**POVALL**  
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## PHASE 1B ADDENDUM MAP 4 FOR RAIL TRAIL SUBDIVISION

TOWN OF WAPPINGER DUTCHESS COUNTY, NEW YORK

JOB #: 0402  
DATE: 03-09-10  
SCALE: 1"=50'  
AS-2  
SHEET 2 OF 2

PHOTOGRAPHS



**Photograph 1: Excavation of Shovel test #739. View northwest.**

## APPENDICES

APPENDIX 1

ST	Depth	Soil Description	Q	Artifact	Mat
706	0-15/rock	brown silty loam w/gravel		None	
707	0-22	brown silty loam w/gravel		None	
	22-40	yel. brown silt w/ gravels		None	
708	0-27	brown silty loam w/gravel		None	
	27-43	yel. brown silt w/ gravels		None	
709	0-25	brown silty loam w/gravel		None	
	25-45	yel. brown silt w/ gravels		None	
710	0-25	brown silty loam w/gravel		None	
	25-36	yel. brown silt w/ gravels		None	
711	0-29	brown silty loam w/gravel		None	
	29-50	yel. brown silt w/ gravels		None	
712	0-19	brown silty loam w/gravel		None	
	19-35	yel. brown silt w/ gravels		None	
713	0-23	brown silty loam w/gravel		None	
	23-44	yel. brown silt w/ gravels		None	
714	0-23	brown silty loam w/gravel		None	
	23-45	yel. brown silt w/ gravels		None	
715	0-26	brown silty loam w/gravel		None	
	26-45	yel. brown silt w/ gravels		None	
716	0-24	brown silty loam w/gravel		None	
	24-39	yel. brown silt w/ gravels		None	
717	0-22	brown silty loam w/gravel		None	
	22-42	yel. brown silt w/ gravels		None	
718	0-20	brown silty loam w/gravel		None	
	20-36	yel. brown silt w/ gravels		None	
719	0-21	brown silty loam w/gravel		None	
	21-41	yel. brown silt w/ gravels		None	
720	0-30	brown silty loam w/gravel		None	
	30-45	yel. brown silt w/ gravels		None	
721	0-26	brown silty loam w/gravel		None	
	26-46	yel. brown silt w/ gravels		None	
722	0-23	brown silty loam w/gravel		None	
	23-35	yel. brown silt w/ gravels		None	
723	0-21	brown silty loam w/gravel		None	
	21-42	yel. brown silt w/ gravels		None	
724	0-23	brown silty loam w/gravel		None	
	23-37	yel. brown silt w/ gravels		None	
725	0-15	v. dk. brn silty loam		None	
	15-38	reddish yellow clay		None	
726	0-24	dk. gr. brn silty clay		None	
	24-34	lt. red. brown clay		None	
727	0-35	black silty clay		None	
	35-40	dk. grey clay		None	
728	0-24	grey clay		None	
	24-30	lt. brn. and mott. grey clay		None	
729	0-13	brown silty loam w/gravel		None	
	13-30	brown silt w/ gravels		None	
730	0-24	brown silty loam w/gravel		None	
	24-37	brown silt w/ gravels		None	
731	0-24	brown silty loam w/gravel		None	



ST	Depth	Soil Description	Q	Artifact	Mat
	24-44	yel. brown silt w/ gravels		None	
732	0-21	brown silty loam w/gravel		None	
	21-43	yel. brown silt w/ gravels		None	
733	0-22	brown silty loam w/gravel		None	
	22-42	yel. brown silt w/ gravels		None	
734	0-24	brown silty loam w/gravel		None	
	24-45	yel. brown silt w/ gravels		None	
735	0-24	brown silty loam w/gravel		None	
	24-44	yel. brown silt w/ gravels		None	
736	0-23	brown silty loam w/gravel		None	
	23-43	yel. brown silt w/ gravels		None	
737	0-14	v. dk. grey.brn clay loam		None	
	14-32	grey clay		None	
738	0-16	dk. grey. brn. silt		None	
	16-32	reddish brown clay		None	
739	0-15	v. dk. grey.brn clay loam		None	
	15-40	grey clay		None	
740	0-20	v. dk. grey.brn clay loam		None	
	20-30	grey clay		None	
741	0-25	v. dk. grey.brn clay loam		None	
	25-45	grey clay		None	
742	0-12/boulder	brown silt/boulder		None	
743	0-19/boulder	brown silty loam/boulder		None	
744	0-26	brown silty loam		None	
	26-45	dk. yel brn clay		None	
745	0-20	dk grey clay		None	
	20-32	lt. brown and grey mott. clay		None	
746	0-21	dk grey clay		None	
	21-31	lt. brown and grey mott. clay		None	
747	0-30	v. dk. grey silty loam		None	
	30-50	dk grey clay		None	
748	0-31	v. dk. grey silty loam		None	
	31-50	dk grey clay		None	

**PHASE 2 SITE EVALUATION OF RAIL TRAIL PRECONTACT LOCUS 2  
(A02719.000221)**

**PROPOSED RAIL TRAIL SUBDIVISION  
TOWN OF WAPPINGER, DUTCHESS CO., NY**

**DEC# 3-1356-00253/00001**

**OPRHP# 09PR00714**

**FEBRUARY 22nd, 2010**

## Phase II: Table of Contents

### Phase 2 Archaeological Evaluation

Management Summary.....	1
Introduction.....	2
Research Design.....	2
Field Methods and Procedures.....	2
Results of Field Investigation Rail Trail Precontact Site #2.....	3
Interpretation.....	3
Conclusion and Recommendations .....	3
References.....	5

### MAPS

1. New York State.
2. U.S.G.S.
3. Project Map (enclosure).

### PHOTOGRAPHS

1. Overall view from near ST# 834. View west.
2. View north from roadway.
3. View northeast up old bulldozed roadway.
4. View west from near ST#896, with well head in right rear of photograph.
5. Excavation of ST # 805. View north.
6. Unit 1 at conclusion of excavation. View north.
7. Unit 2 at conclusion of excavation. View north.
8. Artifacts from Phase 2. Upper row, left to right; drill, ST 808, Level 1; projectile point, ST# 871, Level 1; projectile point, ST# 882, Level 1; marginal biface, ST# 805, Level 1; biface, ST# 873, Level 1. Bottom row, left to right. Flake knife, projectile point frag., denticulate, all from Unit 1, Level 1.

### FIGURES

1. Phase II Testing of Rail Trail Pre-Contact Site #2 (A02719.000221).

### APPENDICES

1. Shovel Test/Unit/Artifact Record.
2. Revised OPRHP Prehistoric Site Form for Rail Trail Subdivision Pre-Contact Site #2.

## **RAIL TRAIL SUBDIVISION PHASE 2: MANAGEMENT SUMMARY**

SHPO: Project Review #: **09PR00714**

Involved State and Federal Agencies: **SEQRA, SPDES GP-002-01**  
**Stream Crossing permit**

Phase of Survey: **Phase 2 Evaluation**

Location Information: **Original Survey Area**  
Survey Area (Metric and English): **114.30 acre (46.26 hectare)**  
Length: **c. 5200 ft (1585 m) north/south**  
Width: **c. 2000 ft (610 m) east/west**

USGS 7.5 Minute Quadrangle Map: **Pleasant Valley and Hopewell Junction Quadrangles**

### **PHASE 2:**

Number of Square Meters & Feet Excavated during Phase II: **97 (50 cm) shovel tests and 2 one meter squares (total excavated area = 26.25 square meters).**

Artifacts: **141 Pre-Contact artifacts found during the Phase 2.**

Time period/Cultural Phase: **Sylvan Lake Phase (c. 2500-2000 BC).**

### Results of Archaeological Survey

Number & name of sites recommended for Phase III: **None- the boundaries of site A02719.000221 have been determined and it is suggested that the site be fenced off and avoided during construction of the road to effect the Wetland Mitigation. The site will be within the designated 100 foot wetland buffer and will not be affected.**

Report Author (s): **Joseph E. Diamond, Ph.D.**

Date of Report: **2/22/2010**

## PHASE II CULTURAL RESOURCE INVESTIGATION AND EVALUATION

### Introduction

This Phase 2 Site Evaluation was undertaken to 1) determine the Pre-Contact Site A02719.000221 meets Eligibility requirements to be included in the State and National Register of Historic Places, and 2) to determine the horizontal size and extent of the site. The latter is important because the applicant is proposing to avoid the site. In a letter from OPRHP dated 8/18/09, Cynthia Blakemore stated that "Additionally, the current proposed avoidance plan for the Rail Trail Precontact Locus 2 Site does not adequately avoid/protect the site. First of all the boundary of the site should be set at least 50' (or more) from each positive test with at least an additional buffer of 20'. This is necessary since the Phase II survey has not been undertaken to determine the exact site boundary. Given the close proximity of the wetland mitigation to the site and the unknown long-term indirect impacts that may result from this disturbance, the SHPO recommends that Phase II site examination be undertaken to determine the site boundary and assess the eligibility of the site for inclusion in the State and National Registers of Historic places".

During the Phase 1B, the site was located with two initial shovel tests (654 and 664), and an avoidance plan was suggested. Based on the abovementioned comments we proceeded with a Phase 2 Site Evaluation to determine the size, vertical extent and temporal/cultural affiliation of the site.

The site is located on a relatively level terrace (Photographs 1 and 2) 212-216 feet above mean sea level. It overlooks a large wetland, which at one point was probably a lake.

### Research Design

The Phase 2 was initiated in October of 2009 and completed in November of 2009. The Phase 2 Evaluation was undertaken to assess the two original find spots for the debitage encountered during the Phase 1B location of the Rail Trail Pre-Contact Site #2. This was done primarily to ascertain the size and extent of the site to determine if there was space for an egress road to its south for wetland mitigation procedures.

The Phase 2 was designed to determine if significant deposits associated with the site (or sites) could be located, how old the deposits were, their horizontal extent and depth, if prehistoric features existed below the A-Horizon soil (a plow zone), and if the site would meet eligibility requirements for the State and/or National Registers of Historic Places. The Rail Trail Pre-Contact Site #2 would be eligible under criterion D if it "has yielded, or may be likely to yield, information important in prehistory or history". Based on the small number of artifacts found during the Phase 1B the site was considered a "small lithic scatter".

The research design consisted of sampling the A and B horizon soils in the areas where the initial find spots were made (ST#'s 654 and 664). Our purpose was to relocate the original positive shovel tests (which had been flagged during the Phase 1B), and sample the areas around the find spots. After placing a large number of 50 centimeter squared-off shovel tests around and between the initial find spots, we then sampled portions of the site that appeared to have the highest density in terms of artifacts/ square meter.

Throughout the project area, forms of disturbance which might have effected the distribution of artifacts included forest clearing (probably in the 18<sup>th</sup> or 19<sup>th</sup> century), and plowing for farming. A dirt road (Photograph 3) and several spoil piles (Photograph 2, foreground) are indicative of disturbances that cut through the Rail Trail Precontact Site Locus 2 site and are found on its northern edge. There is also a drilled well head (Photograph 4) beyond the western extent of the Pre-Contact Site.

The soils in the project area show a clear A-Horizon of varying depth (c. 20-30 cm) with a relatively undisturbed subsoil beneath it. Soil textures and colors are consistently brown silty loam over yellow brown silt with gravels.

### Field Methods and Procedures

The Phase II Investigation of the lithic scatter was undertaken as follows: Each initial find spot from the Phase 1B was found and reflagged, and a baseline was set up connecting each. A series of 50 cm shovel tests were then set up at 5 meter intervals around the initial find spots. Excavation of the 50 cm shovel tests (Photograph 5) then began in the vicinity of the initial positive shovel tests and worked outward. For numbering we began with ST# 800 and went to 896.

During the Phase 2 Site Evaluation, all excavated soils were screened through 1/4 inch hardware cloth and examined for artifacts. All soils were identified using a Munsell Soil Color Chart. Phase 2 artifact densities, shovel tests, and excavation units are shown on Figure 1.

On Figure 1 each box representing a 50 cm shovel test has the shovel test number on the outside, and if it produced prehistoric artifacts, it is filled in (darkened) with red and the artifact count appears next to it in red. Artifacts are listed in the shovel test record (Appendix 1). Photograph locations and directions are also shown on Figure 1.

### **Results of Field Investigation: The Rail Trail Subdivision Pre Contact Site #2**

During the Phase 1B Investigation, the Rail Trail Pre Contact Site #2 was represented by a total of 8 pre-contact artifacts consisting entirely of debitage, which were found in two shovel tests and several radials around them.

The testing and evaluation of the Rail Trail Pre Contact Site #2 during the Phase 2 consisted of the excavation of a total of ninety-seven 50 cm squared off shovel tests and two 1 meter squares. The Phase 2 testing and evaluation of the site examined 26.25 square meters of excavated soil to a depth of c. 43-51 centimeters (Appendix 1).

Of the ninety-seven 50 centimeter shovel tests, twenty-one yielded pre-contact artifacts, and seventy-six failed to produce any pre-contact artifacts. However, the seventy-six empty shovel tests did allow us to determine the horizontal extent of the site. After artifact totals from the shovel tests were counted, two 1-meter squares (Photographs 6 and 7) were laid out in areas that were thought to have a high density of lithic artifacts. Of the two one meter squares, only one produced pre-contact artifacts (Figure 1).

A total of 141 Pre-Contact artifacts were found during the Phase 2. These are 81 tertiary flakes, 12 primary decort. flakes, 24 secondary decort. flakes, 3 blocky frags, 1 marginal biface (Photograph 8), 2 drill bits (Photograph 8), 1 utilized flake, 10 FCR, 3 projectile points/frags. (Photograph 8), 1 biface (Photograph 8), 1 flake knife (Photograph 8), 1 denticulate/shredder (Photograph 8), for a total of 141 artifacts. When combined with the Phase 1B (3 tertiary flakes, 3 secondary decortification flakes, a biface, and a biface resharpening flake), this brings the total artifact count for this locus to 149.

Two culturally diagnostic artifacts were found during the Phase 2 Site Evaluation. These are two Sylan Stemmed Points which are diagnostic of the Sylan Lake Phase (Funk 1976), and which dates c. 2500-2000 BC (Funk 1993:157).

**Interpretation:** This site may be interpreted in several ways. The first is that it is a locus of activity centered around Unit 2, that has over the years been scattered to the west by plowing. Alternatively, there are two locations within the site that have higher amounts of cultural materials (a bimodal distribution) indicating two activity areas or even the possibility of two small sites. For example, eastern shovel test numbers 817, 821, and 838 all have between 3 and 5 artifacts making their densities 12-20 artifacts/square meter. At the western end, shovel tests 868, 871, and 873 have counts of 10, 6 and 14 artifacts respectively. These indicate densities in the range of 24-56 artifacts/ square meter. Between these two areas are four shovel tests that each yielded 1 artifact each, and 7 shovel tests that failed to produce any. It should be noted that shovel tests 820 and 890 are outside of what could be considered the site area, and are considered artifacts that have been moved via cultivation.

The excavation of two units yielded virtually no information in unit one, but produced seventy-nine pre-contact artifacts in Unit 2. This location is considered to be the highest density area of the site.

From a lithic viewpoint, some cherts from the Onondaga Formations were utilized, but the majority were various colors of green Normanskill Chert. All information about the Phase 2 Site Evaluation excavation, such as shovel tests, depths, soil color and texture, and artifacts found, are included here as Appendix 1. Appendix 2 is the revised OPRHP form for the Phase 2 Evaluation of the Rail Trail Pre-Contact Site.

### **Conclusions and Recommendations**

This Phase 2 Cultural Resource Evaluation has evaluated the Rail Trail Pre-Contact Site #2 (A02719.000221). The Phase 2 Site Evaluation consisted of ninety-seven 50 cm shovel tests and two 1 meter squares that were placed in what was believed to be the highest density areas within the site. In the 26.25 square meters of excavated area there was no indication of sub-surface features such as pits or hearths. The results suggest that the Rail Trail Pre-Contact Site #2 is a small site that yields artifacts in the range of about 1- c. 80 artifacts/meter.

The Phase 2 was designed to determine if significant deposits associated with the site could be located, how old the deposits were, their horizontal extent and depth, if prehistoric features existed below the plow zone, and if the site would meet eligibility requirements for the State and/or National Registers of Historic Places. The site would be eligible under criterion D if it "has yielded, or may be likely to yield, information important in prehistory or history".

The Phase 2 Evaluation has provided information that the site does meet State and National Eligibility requirements. The site is from the Sylvan Lake Phase, a Late Archaic (c. 2500-2000 BC) Hudson Valley manifestation (Funk 1976) that is essentially coeval with the Lamoka Phase of Central New York, and the Squibnocket Phase along the coast of southern New England.

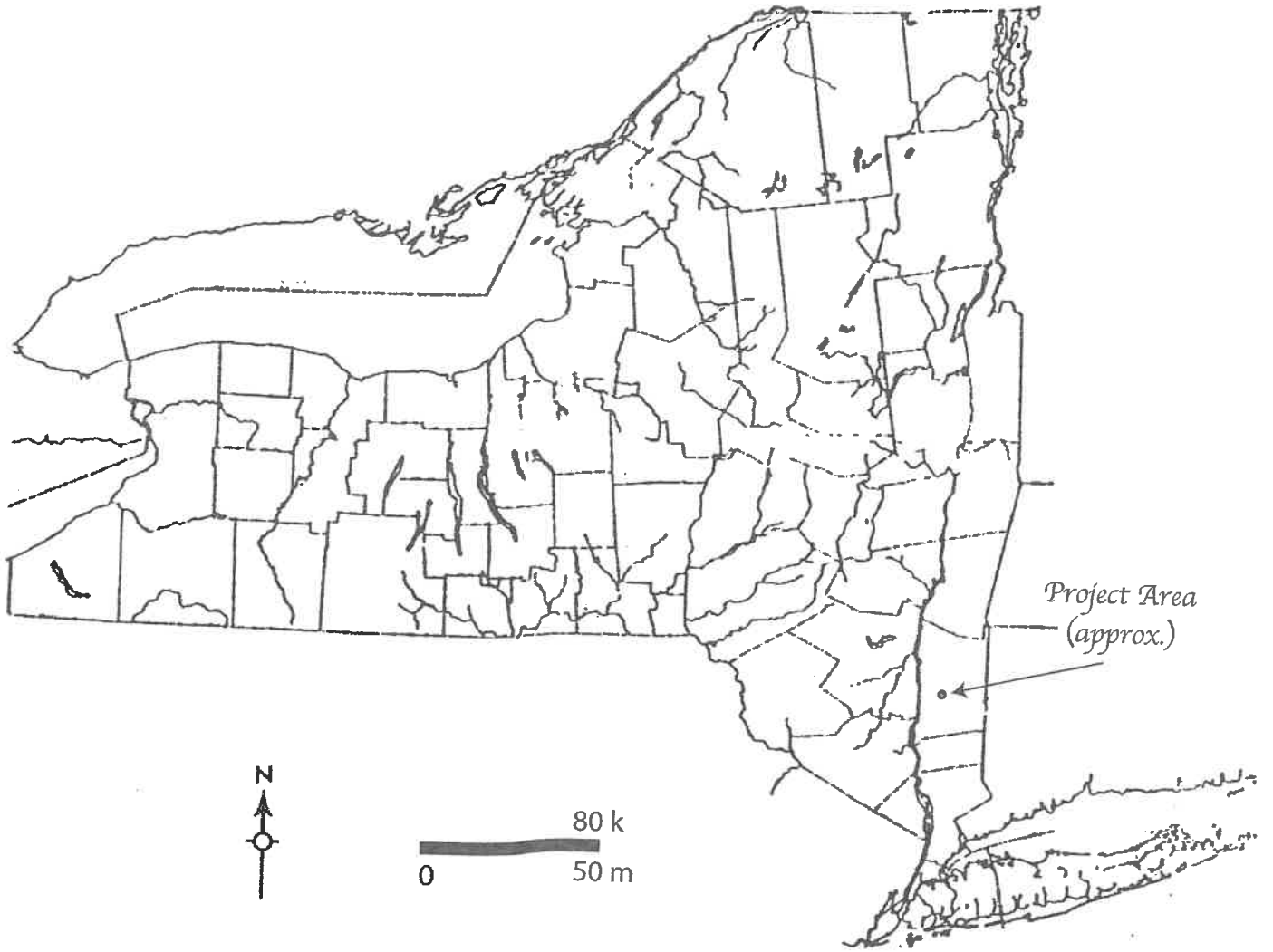
The site itself is well defined, with approximately 7.5 meters (27 feet) from original shovel test 664 to the southern edge of the site area near shovel test #838. This leaves a large buffer area to be flagged off with snow fencing for avoidance. Additionally, the high density portion of the site (Unit 1) is well away from the proposed access road and wetland mitigation, and will be protected within the wetland buffer.

## REFERENCES

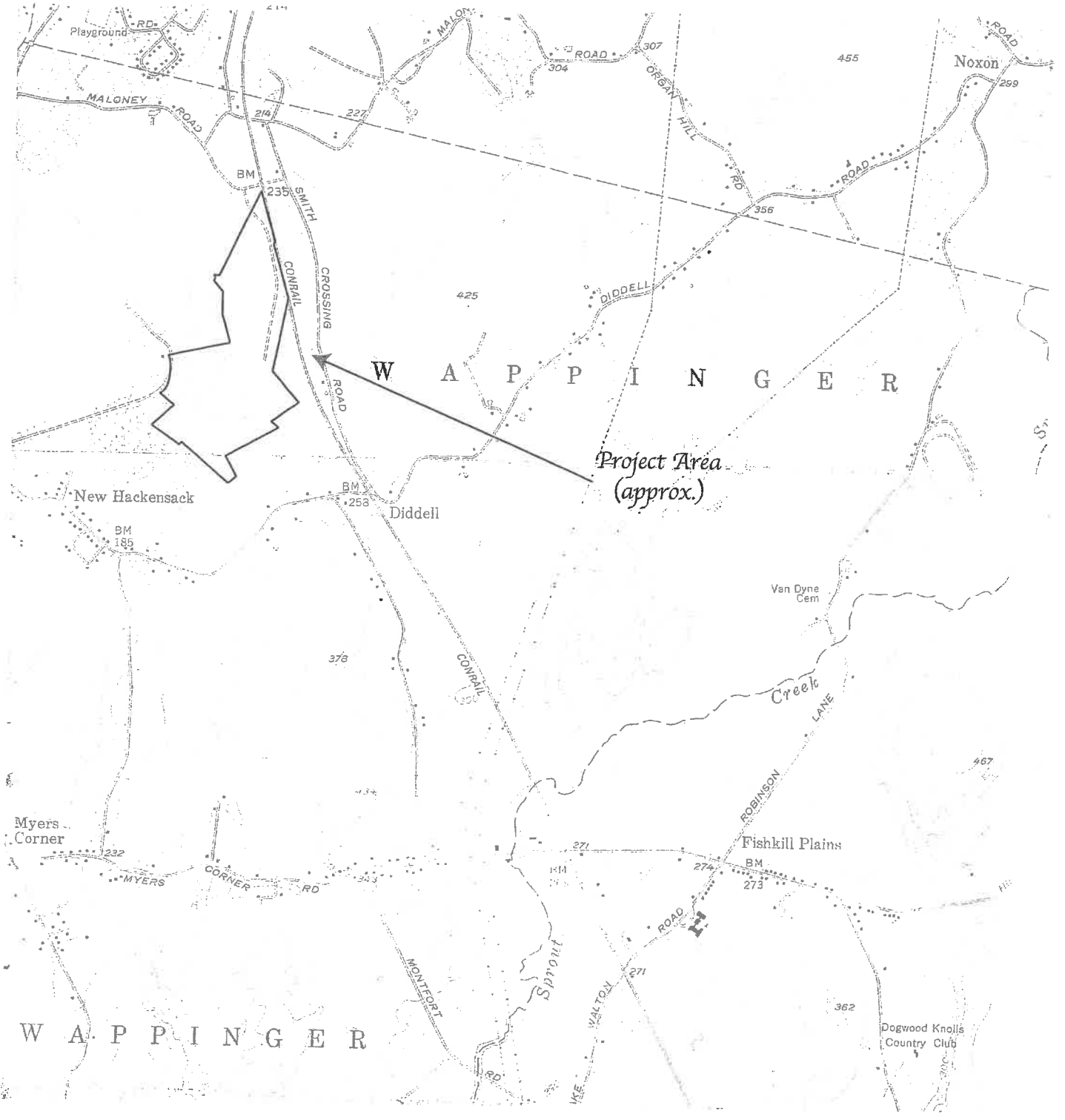
- Funk, Robert E.  
1976 *Recent Contributions to Hudson Valley Prehistory*. New York State  
Museum Memoir No. 22. Albany
- 1993 *Archaeological Investigations In the Upper Susquehanna Valley, New York  
State*. Persimmon Press, Buffalo, NY



MAPS



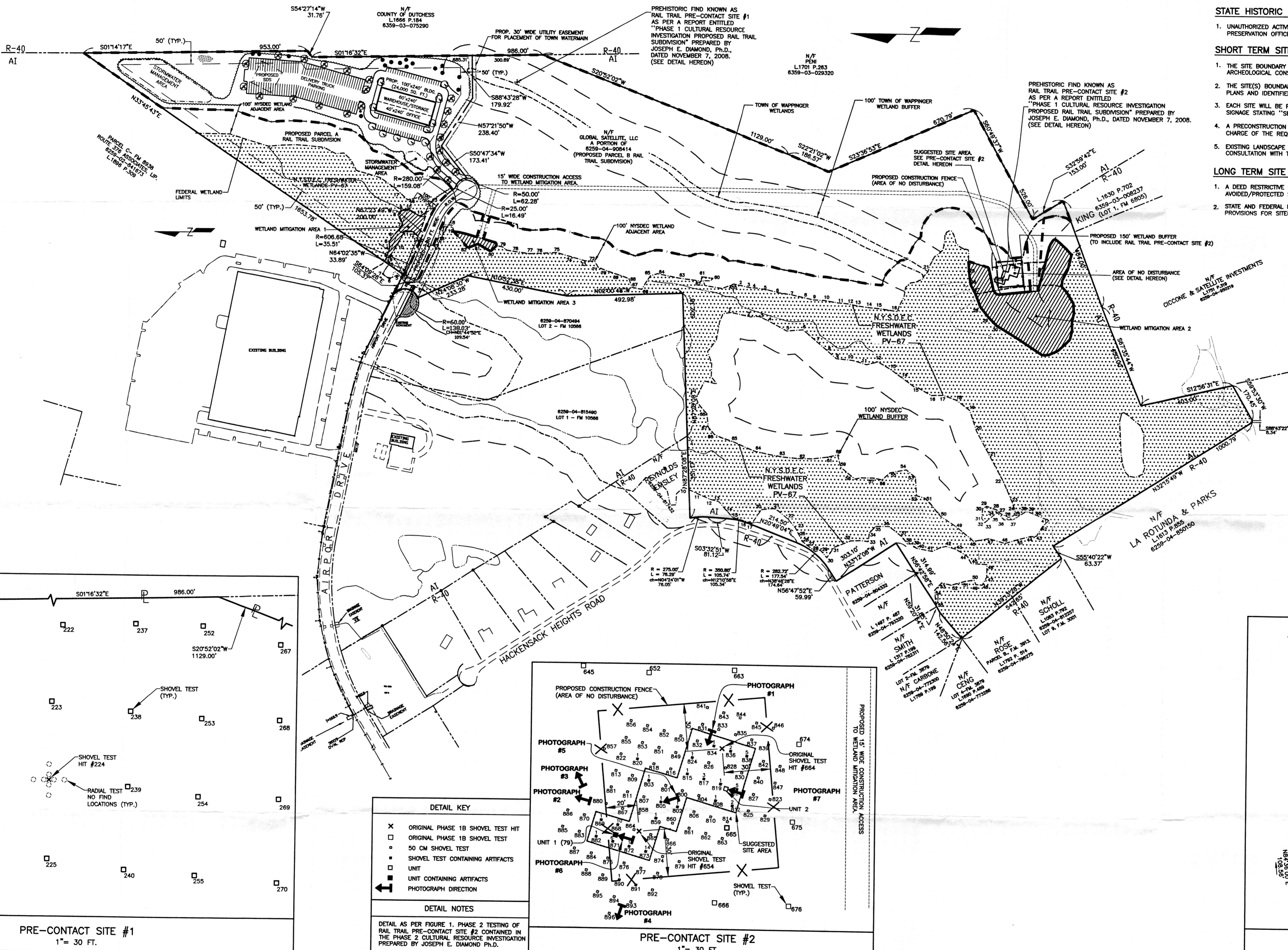
Map 1. New York State



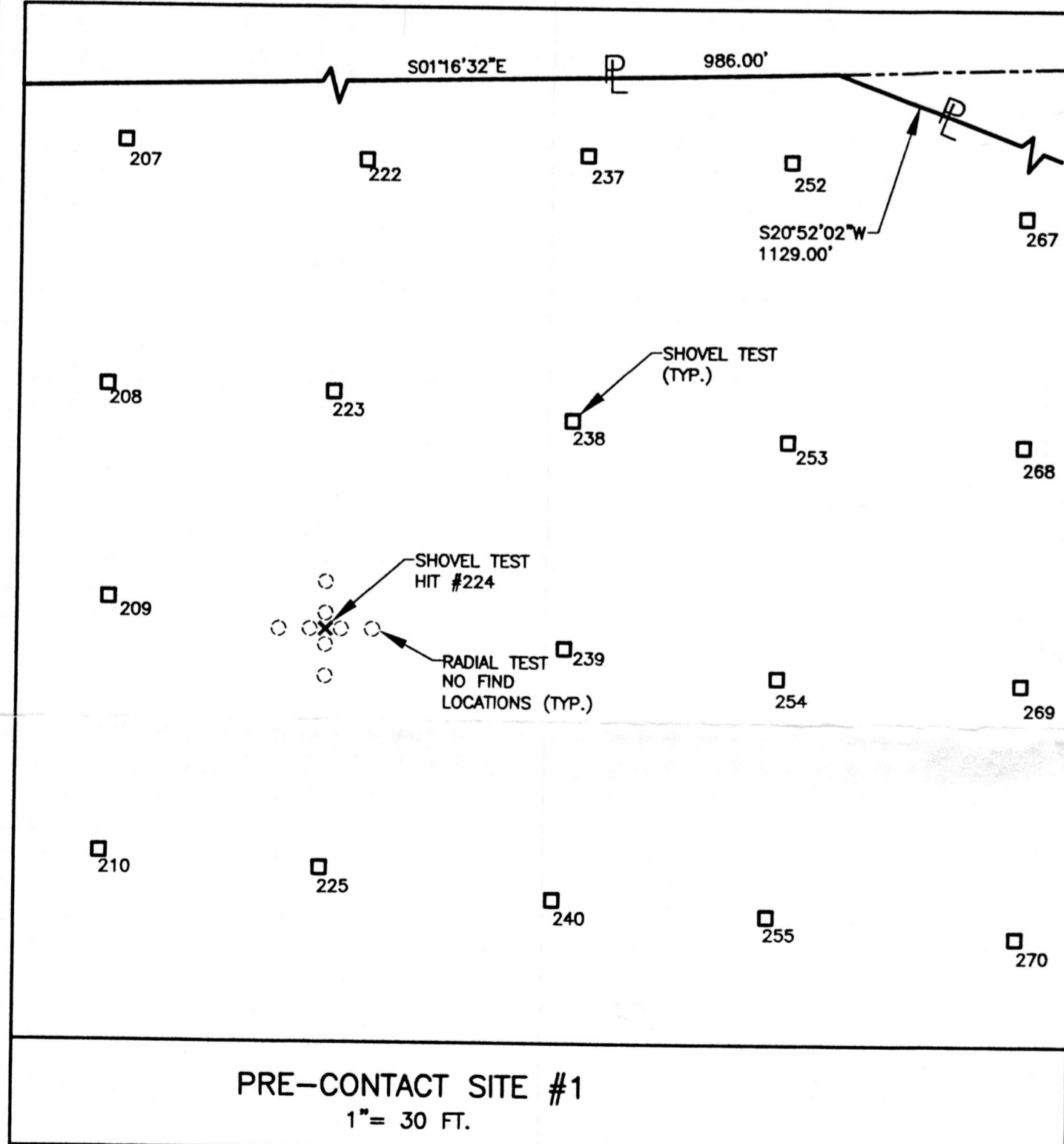
2000 ft./610 m.



Map 2. USGS Hopewell Junction & Pleasant Valley Quadrangles



- STATE HISTORIC PRESERVATION OFFICE (SHPO) NOTES:**
- UNAUTHORIZED ACTIVITIES WITHIN THE SITE BOUNDARIES WILL REQUIRE NOTIFICATION TO THE STATE HISTORIC PRESERVATION OFFICE AT (518) 237-8643.
- SHORT TERM SITE AVOIDANCE/PROTECTION:**
- THE SITE BOUNDARY (INCLUDING BUFFER) WILL BE DETERMINED IN CONSULTATION WITH THE SHPO AND THE ARCHEOLOGICAL CONSULTANT.
  - THE SITE(S) BOUNDARY (INCLUDING BUFFER) WILL BE CLEARLY DELINEATED ON THE FINAL CONSTRUCTION PLANS AND IDENTIFIED AS A "SENSITIVE AREA/NO ACCESS".
  - EACH SITE WILL BE PROTECTED WITH A TEMPORARY FENCING DURING ALL CONSTRUCTION ACTIVITIES AND SIGNAGE STATING "SENSITIVE AREA/NO ACCESS".
  - A PRECONSTRUCTION MEETING WITH THE CONSTRUCTION CONTRACTOR(S) IS REQUIRED TO NOTIFY THOSE IN CHARGE OF THE REQUIREMENTS TO AVOID/PROTECT THE SITE(S).
  - EXISTING LANDSCAPE AT THE SITE(S) WILL BE MAINTAINED. ANY PROPOSED MODIFICATIONS WILL REQUIRE CONSULTATION WITH THE SHPO.
- LONG TERM SITE AVOIDANCE/PROTECTION:**
- A DEED RESTRICTIVE COVENANT WILL BE TRANSFERRED WITH ANY FUTURE PROPERTY CONTAINING ANY AVOIDED/PROTECTED SITE(S).
  - STATE AND FEDERAL REGULATIONS THAT INCLUDE RESTRICTIONS ASSOCIATED WITH THIS PROJECT WILL INCLUDE PROVISIONS FOR SITE(S) AVOIDANCE/PROTECTION.

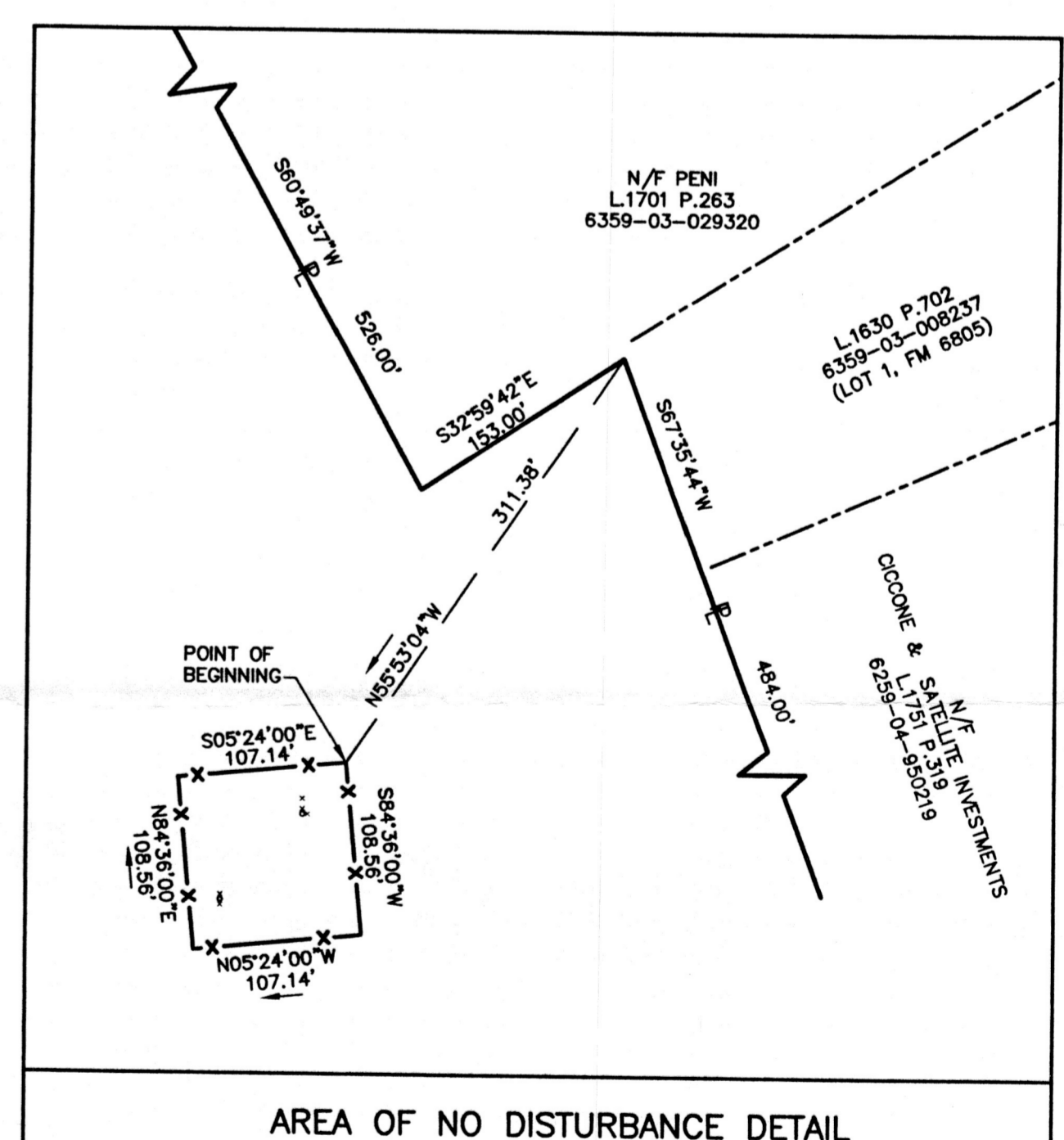
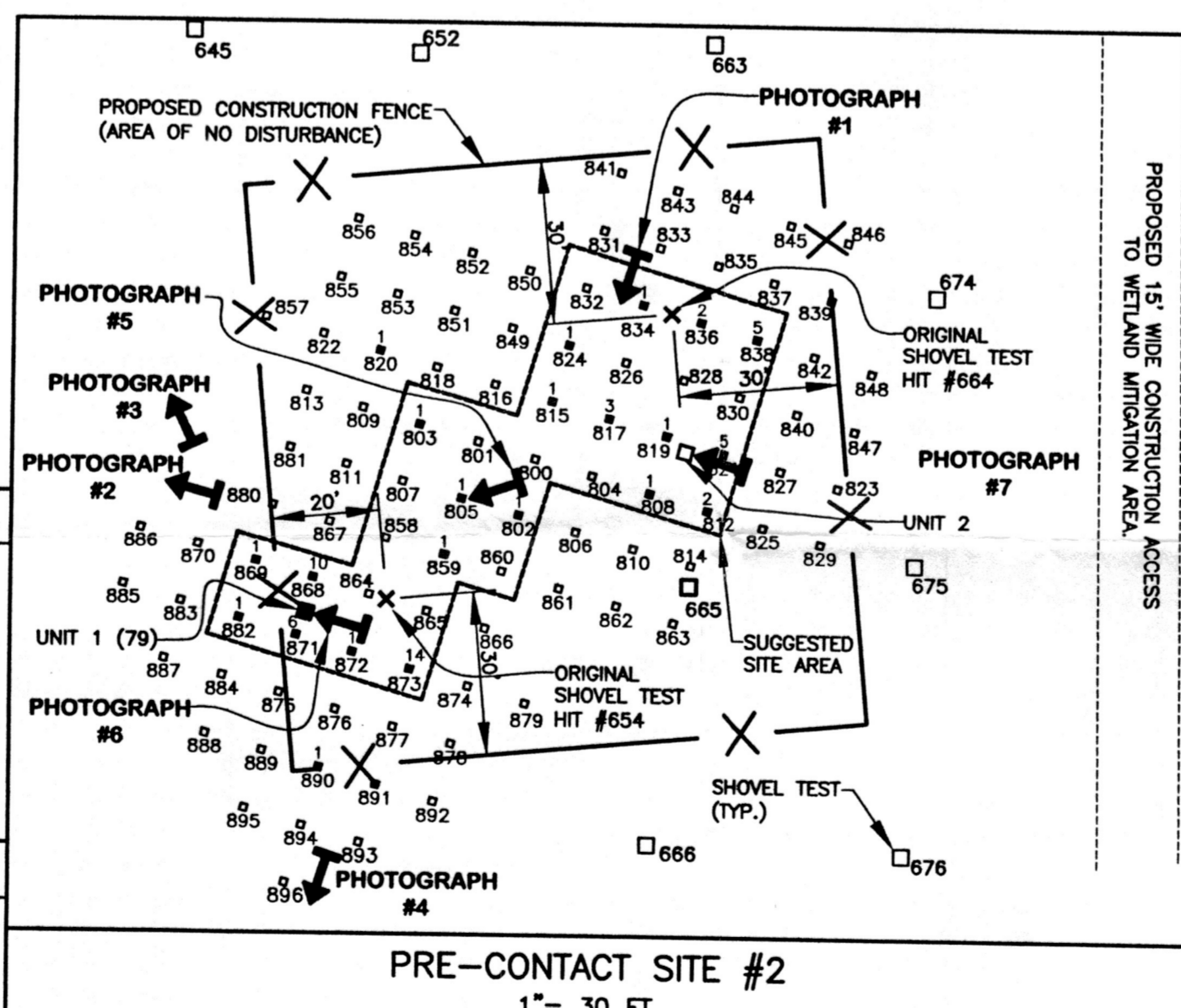


**DETAIL KEY**

- X ORIGINAL PHASE 1B SHOVEL TEST HIT
- ORIGINAL PHASE 1B SHOVEL TEST
- 50 CM SHOVEL TEST
- SHOVEL TEST CONTAINING ARTIFACTS
- UNIT CONTAINING ARTIFACTS
- ← PHOTOGRAPH DIRECTION

**DETAIL NOTES**

DETAIL AS PER FIGURE 1, PHASE 2 TESTING OF RAIL TRAIL PRE-CONTACT SITE #2 CONTAINED IN THE PHASE 2 CULTURAL RESOURCE INVESTIGATION PREPARED BY JOSEPH E. DIAMOND PH.D.



**REVISIONS**

DATE:	DESCRIPTION:
03-09-10	ADD PHASE 2 SITE EVALUATION INFORMATION & REVISE TITLE BLOCK

**LEGEND**

—	PROPERTY LINE	○	WETLAND FLAG
- - -	EXISTING R.O.W./LOT LINE	- - -	N.Y.S.D.E.C., ACOE & TOWN JURISDICTIONAL WETLANDS
—	PROPOSED LOTLINE	- - -	N.Y.S.D.E.C. & TOWN 100' BUFFER LIMIT
- - -	EXISTING CONTOUR	- - -	N.Y.S.D.E.C. FRESHWATER WETLANDS
- - -	EXISTING WATER COURSE	▨	WETLAND MITIGATION AREA
- - -	EXISTING TREE LINE	- - -	AREA OF PROPOSED EFFECT
- - -	EXISTING PAVEMENT		



WILLIAM H. POVALL III, P.E.  
N.Y.S.P.E. LICENSE #075020  
25 CORPORATE PARK DR., SUITE C  
HOPEWELL JUNCTION, NY 12533  
TEL: (845) 897-8205  
FAX: (845) 897-0042

**PHASE 2 ARCHAEOLOGICAL SURVEY - MAP 3**  
**AVOIDANCE PLAN FOR**  
**RAIL TRAIL SUBDIVISION**  
TOWN OF WAPPINGER  
DUTCHESS COUNTY, NEW YORK

JOB #: 0402  
DATE: 07-13-09  
SCALE: 1"=200'  
AP-1  
SHEET 1 OF 1

PHOTOGRAPHS



**Photograph 1: Overall view from near ST# 834. View west.**



**Photograph 2. View north from roadway.**



**Photograph 3: View northeast up old bulldozed roadway.**



**Photograph 4: View west from near ST# 896, with well head in right rear of photograph.**



**Photograph 5: Excavation of ST # 805. View north.**



**Photograph 6: Unit 1 at conclusion of excavation. View north.**





**Photograph 7: Unit 2 at conclusion of excavation. View north.**



**Photograph 8: Artifacts from Phase 2. Upper row, left to right; drill, ST 808, Level 1; projectile point, ST# 871, Level 1; projectile point, ST# 882, Level 1; marginal biface, ST# 805, Level 1; biface, ST# 873, Level 1. Bottom row, left to right. Flake knife, projectile point frag., denticulate, all from Unit 1, Level 1.**

FIGURES

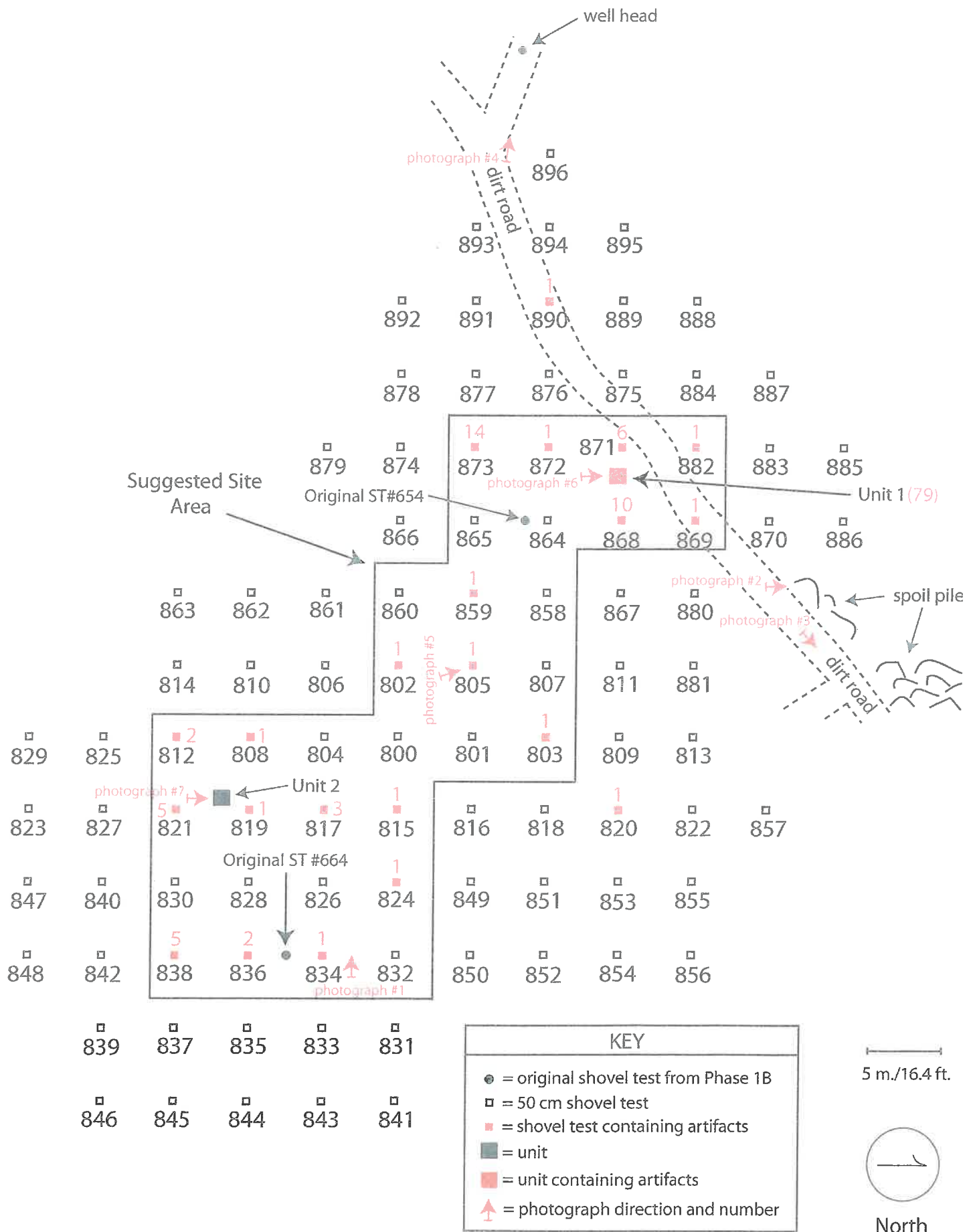


Figure 1. Phase 2 testing of Rail Trail Pre-Contact Site #2 (A02719.000221)

## APPENDICES

APPENDIX 1

	Unit	Depth	Soil Description	Q	Artifacts	Material	Wt.(g)
800		0-21	brown silty loam w/ gravels		None		
		21-42	yel. brn. silt w/ gravels		None		
801		0-21	brown silty loam w/ gravels		None		
		21-35	yel. brn. silt w/ gravels		None		
802		0-24	brown silty loam w/ gravels	1	tertiary flake	green Norm. chert	4.2
		24-47	yel. brn. silt w/ gravels		None		
803		0-21	brown silty loam w/ gravels	1	tertiary flake	gray/black chert	0.6
		21-35	yel. brn. silt w/ gravels		None		
804		0-25	brown silty loam w/ gravels		None		
		25-46	yel. brn. silt w/ gravels		None		
805		0-22	brown silty loam w/ gravels	1	marg. biface/blank	mottled Onondaga chert	22.3
		22-37	yel. brn. silt w/ gravels		None		
806		0-26	brown silty loam w/ gravels		None		
		26-47	yel. brn. silt w/ gravels		None		
807		0-22	brown silty loam w/ gravels		None		
		22-37	yel. brn. silt w/ gravels		None		
808		0-30	brown silty loam w/ gravels	1	drill bit	banded green Norm. chert	2.8
		30-50	yel. brn. silt w/ gravels		None		
809		0-23	brown silty loam w/ gravels		None		
		23-38	yel. brn. silt w/ gravels		None		
810		0-29	brown silty loam w/ gravels		None		
		29-51	yel. brn. silt w/ gravels		None		
811		0-26	brown silty loam w/ gravels		None		
		26-40	yel. brn. silt w/ gravels		None		
812		0-23	brown silty loam w/ gravels	2	tertiary flakes	light green Norm. chert	3
		23-44	yel. brn. silt w/ gravels		None		
813		0-20	brown silty loam w/ gravels		None		
		20-40	yel. brn. silt w/ gravels		None		
814		0-24	brown silty loam w/ gravels		None		
		24-46	yel. brn. silt w/ gravels		None		
815		0-28	brown silty loam w/ gravels	1	tertiary flake	light green Norm. chert	2.4
		28-50	yel. brn. silt w/ gravels		None		
816		0-22	brown silty loam w/ gravels		None		
		22-43	yel. brn. silt w/ gravels		None		
817		0-27	brown silty loam w/ gravels	1	tertiary flake	light green Norm. chert	4.4
				1	fragmented drill bit	light green Norm. chert	0.6
				1	primary decort. flake	black chert	1.4
		27-47	yel. brn. silt w/ gravels		None		
818		0-26	brown silty loam w/ gravels		None		
		26-46	yel. brn. silt w/ gravels		None		
819		0-26	brown silty loam w/ gravels	1	tertiary flake	green Norm. chert	0.1
		26-45	yel. brn. silt w/ gravels		None		
820		0-29	brown silty loam w/ gravels	1	tertiary flake	green Norm. chert	0.9
		29-49	yel. brn. silt w/ gravels		None		
821		0-26	brown silty loam w/ gravels	3	tertiary flake	green Norm. chert	2.6
				2	secondary decort. flake	green Norm. chert	4.6
		26-50	yel. brn. silt w/ gravels		None		
822		0-33	brown silty loam w/ gravels		None		
		33-53	yel. brn. silt w/ gravels		None		
823		0-18	brown silty loam w/ gravels		None		

Appendix 1. Phase 2 Shovel tests, Units, soils and artifacts.

ST	Unit	Depth	Soil Description	Q	Artifacts	Material	Wt.(g)
		18-36	yel. brn. silt w/ gravels		None		
824		0-30	brown silty loam w/ gravels	1	tertiary flake	black chert	0.2
		30-54	yel. brn. silt w/ gravels		None		
825		0-26	brown silty loam w/ gravels		None		
		26-41	yel. brn. silt w/ gravels		None		
826		0-26	brown silty loam w/ gravels		None		
		26-46	yel. brn. silt w/ gravels		None		
827		0-25	brown silty loam w/ gravels		None		
		25-40	yel. brn. silt w/ gravels		None		
828		0-24	brown silty loam w/ gravels		None		
		24-44	yel. brn. silt w/ gravels		None		
829		0-31	brown silty loam w/ gravels		None		
		31-51	yel. brn. silt w/ gravels		None		
830		0-21	brown silty loam w/ gravels		None		
		21-42	yel. brn. silt w/ gravels		None		
831		0-20	brown silty loam w/ gravels		None		
		20-40	yel. brn. silt w/ gravels		None		
832		0-23	brown silty loam w/ gravels		None		
		23-43	yel. brn. silt w/ gravels		None		
833		0-22	brown silty loam w/ gravels		None		
		22-40	yel. brn. silt w/ gravels		None		
834		0-27	brown silty loam w/ gravels	1	primary decort. flake	green Norm. chert	5.2
		27-48	yel. brn. silt w/ gravels		None		
835		0-24	brown silty loam w/ gravels		None		
		24-40	yel. brn. silt w/ gravels		None		
836		0-31	brown silty loam w/ gravels	1	primary decort. flake	black Onondaga chert	1.2
				1	tertiary flake	black chert	0.1
		31-50	yel. brn. silt w/ gravels		None		
837		0-27	brown silty loam w/ gravels		None		
		27-47	yel. brn. silt w/ gravels		None		
838		0-27	brown silty loam w/ gravels	1	primary decort. flake	gray chert	3
				4	tertiary flakes	black chert	8.1
		27-48	yel. brn. silt w/ gravels		None		
839		0-28	brown silty loam w/ gravels		None		
		28-43	yel. brn. silt w/ gravels		None		
840		0-29	brown silty loam w/ gravels		None		
		29-50	yel. brn. silt w/ gravels		None		
841		0-23	brown silty loam w/ gravels		None		
		23-43	yel. brn. silt w/ gravels		None		
842		0-22	brown silty loam w/ gravels		None		
		22-43	yel. brn. silt w/ gravels		None		
843		0-23	brown silty loam w/ gravels		None		
		23-42	yel. brn. silt w/ gravels		None		
844		0-30	brown silty loam w/ gravels		None		
		30-50	yel. brn. silt w/ gravels		None		
845		0-33	brown silty loam w/ gravels		None		
		33-50	yel. brn. silt w/ gravels		None		
846		0-23	brown silty loam w/ gravels		None		
		23-44	yel. brn. silt w/ gravels		None		
847		0-24	brown silty loam w/ gravels		None		

Appendix 1. Phase 2 Shovel tests, Units, soils and artifacts.

§	Unit	Depth	Soil Description	Q	Artifacts	Material	Wt.(g)
		24-41	yel. brn. silt w/ gravels		None		
848		0-24	brown silty loam w/ gravels		None		
		24-46	yel. brn. silt w/ gravels		None		
849		0-29	brown silty loam w/ gravels		None		
		29-50	yel. brn. silt w/ gravels		None		
850		0-23	brown silty loam w/ gravels		None		
		23-43	yel. brn. silt w/ gravels		None		
851		0-24	brown silty loam w/ gravels		None		
		24-46	yel. brn. silt w/ gravels		None		
852		0-28	brown silty loam w/ gravels		None		
		28-50	yel. brn. silt w/ gravels		None		
853		0-33	brown silty loam w/ gravels		None		
		33-48	yel. brn. silt w/ gravels		None		
854		0-29	brown silty loam w/ gravels		None		
		29-50	yel. brn. silt w/ gravels		None		
855		0-25	brown silty loam w/ gravels		None		
		25-44	yel. brn. silt w/ gravels		None		
856		0-26	brown silty loam w/ gravels		None		
		26-48	yel. brn. silt w/ gravels		None		
857		0-30	brown silty loam w/ gravels		None		
		30-49	yel. brn. silt w/ gravels		None		
858		0-23	brown silty loam w/ gravels		None		
		23-44	yel. brn. silt w/ gravels		None		
85 <sup>c</sup>		0-27	brown silty loam w/ gravels	1	utilized flake	gray/brown chert	0.9
		27-45	yel. brn. silt w/ gravels		None		
860		0-25/rock	brown silty loam w/ gravels		None		
861		0-31	brown silty loam w/ gravels		None		
		31-48	yel. brn. silt w/ gravels		None		
862		0-30	brown silty loam w/ gravels		None		
		30-51	yel. brn. silt w/ gravels		None		
863		0-24	brown silty loam w/ gravels		None		
		24-41	yel. brn. silt w/ gravels		None		
864		0-25	brown silty loam w/ gravels		None		
		25-46	yel. brn. silt w/ gravels		None		
865		0-26	brown silty loam w/ gravels		None		
		26-50	yel. brn. silt w/ gravels		None		
866		0-25	brown silty loam w/ gravels		None		
		25-46	yel. brn. silt w/ gravels		None		
867		0-23	brown silty loam w/ gravels		None		
		23-40	yel. brn. silt w/ gravels		None		
868		0-23	brown silty loam w/ gravels	1	fcr	sandstone	223.3
				1	fcr	sandstone	217.8
				3	secondary decort. flake	green Norm. chert	2.7
				4	tertiary flake	green Norm. chert	1.9
				1	tertiary flake	brown chert	0.6
		23-45	yel. brn. silt w/ gravels		None		
869		0-18	brown silty loam w/ gravels	1	tertiary flake	green Norm. chert	0.4
		18-33	yel. brn. silt w/ gravels		None		
870		0-17	brown silty loam w/ gravels		None		
		17-37	yel. brn. silt w/ gravels		None		

Appendix 1. Phase 2 Shovel tests, Units, soils and artifacts.



ST	Unit	Depth	Soil Description	Q	Artifacts	Material	Wt.(g)
871		0-20	brown silty loam w/ gravels	1	for	gray quartzite	114.7
				1	secondary decort. flake	green Norm. chert	10.4
				1	tertiary flake	mottled Onondaga chert	127
				1	secondary decort. flake	green Norm. chert	1.4
				1	tertiary flake	green Norm. chert	1.2
				1	projectile point frag.	green Norm. chert	5.7
					Sylvan Stemmed		
					tip broke off		
		20-40	yel. brn. silt w/ gravels		None		
872		0-25	brown silty loam w/ gravels	1	tertiary flake	black chert	0.9
		25-47	yel. brn. silt w/ gravels		None		
873		0-20	brown silty loam w/ gravels	1	primary decort. flake	mottled green Norm. chert	22.1
				5	tertiary flakes	green Norm. chert	3.1
				1	secondary decort. flake	black chert	2
				1	biface	mottled green Norm. chert	31.6
		20-55	yel. brn. silt w/ gravels	1	primary decort. flake	green Norm. chert w/	6
						cobble cortex	
				2	secondary decort. flake	green Norm. chert	7.2
				1	tertiary flake	green Norm. chert	0.3
				2	tertiary flakes	gray/brown chert	1.9
874		0-26	brown silty loam w/ gravels		None		
		26-47	yel. brn. silt w/ gravels		None		
875		0-22	brown silty loam w/ gravels		None		
		22-42	yel. brn. silt w/ gravels		None		
876		0-29	brown silty loam w/ gravels		None		
		29-50	yel. brn. silt w/ gravels		None		
877		0-23	brown silty loam w/ gravels		None		
		23-45	yel. brn. silt w/ gravels		None		
878		0-27	brown silty loam w/ gravels		None		
		27-47	yel. brn. silt w/ gravels		None		
879		0-25	brown silty loam w/ gravels		None		
		25-43	yel. brn. silt w/ gravels		None		
880		0-21	brown silty loam w/ gravels		None		
		21-42	yel. brn. silt w/ gravels		None		
881		0-27	brown silty loam w/ gravels		None		
		27-46	yel. brn. silt w/ gravels		None		
882		0-23	brown silty loam w/ gravels	1	projectile point	green Norm. chert	3.1
					Sylvan Stemmed		
		23-44	yel. brn. silt w/ gravels		None		
883		0-27	brown silty loam w/ gravels		None		
		27-48	yel. brn. silt w/ gravels		None		
884		0-27	brown silty loam w/ gravels		None		
		27-47	yel. brn. silt w/ gravels		None		
885		0-22	brown silty loam w/ gravels		None		
		22-37	yel. brn. silt w/ gravels		None		
886		0-23	brown silty loam w/ gravels		None		
		23-44	yel. brn. silt w/ gravels		None		
887		0-28	brown silty loam w/ gravels		None		
		28-50	yel. brn. silt w/ gravels		None		
888		0-20	brown silty loam w/ gravels		None		

Appendix 1. Phase 2 Shovel tests, Units, soils and artifacts.

ST	Unit	Depth	Soil Description	Q	Artifacts	Material	Wt.(g)
		20-40	yel. brn. silt w/ gravels		None		
889		0-22	brown silty loam w/ gravels		None		
		22-44	yel. brn. silt w/ gravels		None		
890		0-20	brown silty loam w/ gravels	1	primary decort. flake	green Norm. chert	139.2
		20-42	yel. brn. silt w/ gravels		None		
891		0-26	brown silty loam w/ gravels		None		
		26-48	yel. brn. silt w/ gravels		None		
892		0-22	brown silty loam w/ gravels		None		
		22-43	yel. brn. silt w/ gravels		None		
893		0-22	brown silty loam w/ gravels		None		
		22-42	yel. brn. silt w/ gravels		None		
894		0-35	brown silty loam w/ gravels		None		
		35-55	yel. brn. silt w/ gravels		None		
895		0-25	brown silty loam w/ gravels		None		
		25-45	yel. brn. silt w/ gravels		None		
896		0-23	brown silty loam w/ gravels		None		
		23-44	yel. brn. silt w/ gravels		None		
	1	0-10	brown silty loam w/ gravels	1	fcr	quartzite	63.7
				1	fcr	quartzite	96.6
				1	fcr	quartzite	57.7
				4	fcr	sandstone	178.4
				1	flake knife	gray quartzite	106.9
				1	projectile point frag.	green Norm. chert	4
				2	tertiary flakes	gray quartzite	8.2
				2	primary decort. flakes	green Norm. chert w/ cobble exterior	83
				1	primary decort. flake	brown chert w/ cobble ext.	17.2
				3	blockys	green Norm. chert	61.7
				11	secondary decort. flakes	green Norm. chert	24.5
				1	denticulate/shredder	green Norm. chert	3.6
				26	tertiary flakes	greenish black Norm. chert	16.6
		10-36	yel. brn. silt w/ gravels	1	primary decort. flake	green Norm. chert w/ cobble cortex	9.5
				1	primary decort. flake	green Norm. chert	2.1
				3	secondary decort. flakes	green Norm. chert	34.9
				17	tertiary flakes	green Norm. chert	27.2
				1	tertiary flake	brown chert	1.5
				1	tertiary flake	gray quartzite	5.3
	2	0-14	brown silty loam w/ gravels		None		
		14-35	yel. brn. silt w/ gravels		None		
			Total artifacts=141				

Appendix 1. Phase 2 Shovel tests, Units, soils and artifacts.

APPENDIX 2

**NEW YORK STATE OFFICE OF PARKS RECREATION AND HISTORIC  
PRESERVATION PREHISTORIC RESOURCE INVENTORY FORM**

Office Use Only: USN\_ **A02719.000221**

1. IDENTIFICATION: Project Identifier: **Rail Trail Subdivision** Date: **2/ 22/10**

**Prepared By: Joseph E. Diamond, Archaeological Consultant, 290 Old Route 209,  
Hurley, NY 12443. (845)338-0091**

Site Identifier: **Rail Trail Subdivision Pre-Contact site, Locus 2 (A02719.000221)**

2. County: **Dutchess** Town: **Wappinger** Hamlet:

3. Present Owner: **Global Satellite , LLC**

4. SITE DESCRIPTION:

Surface Evidence: Buried Evidence: **X**

LOCATION:

Previously Cultivated: **X** Woodland: **X** Upland: **X**

Soil Drainage: excellent: **X**

Slope: flat: **X** gentle:

Distance to nearest water: **200 ft** Elevation: **c. 212-216 ft AMSL**

5. Phase 1B Site Investigation: **8 artifacts found in 7 shovel tests (654, 654B, 654D,  
664, 664B, 664C, 664F)**

Investigator: **J. Diamond** Present repository of Materials: **J. Diamond**

Manuscript or Published Reports: **Joseph E. Diamond Ph.D. Phase 1 Cultural  
Resource Investigation, Rail Trail Subdivision, Town of Wappinger, Dutchess  
County NY. 11/7/08**

Phase 2: **97 50 cm shovel tests and 2 one meter squares. Total area excavated 26.25 sq.  
meters.**

**Joseph E. Diamond Ph.D. Phase 2 Cultural Resource Evaluation of Pre-Contact  
Site A02719.000221, Rail Trail Subdivision, Town of Wappinger, Dutchess County  
NY. 2/22/10**

6. Components/ Cultural Affiliations/ Dates: **Sylvan Lake Phase C. 2500-2000 BC.**

7. Total List of Material Remains From Phase 1B: **3 tertiary flakes, 3 secondary  
decortication flakes, a biface, and a biface resharpening flake (N=8). Materials**

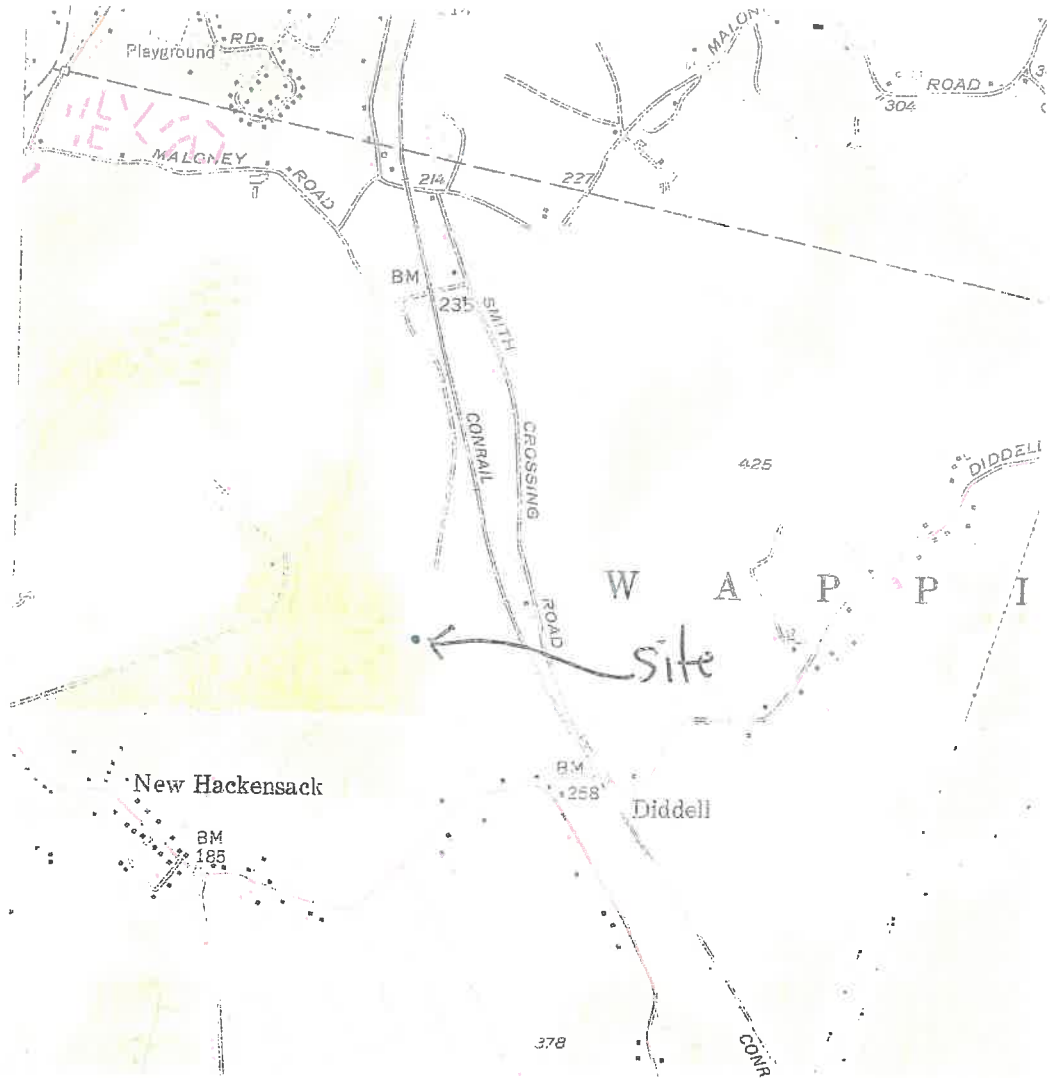
include green Normanskill chert, mottled grey chert, black chert, dark grey chert and white quartzite.

Total list of material Remains from Phase 2: 81 tertiary flakes, 12 primary decort. flakes, 24 secondary decort. flakes, 3 blocky frags, 1 marginal biface, 2 drill bits, 1 utilized flake, 10 FCR, 3 projectile points/frags., 1 biface, 1 flake knife, 1 denticulate/shredder (N=141).

8. Map references: Quadrangle: **Pleasant Valley Quadrangle**

UTM Coordinates: \_\_\_\_\_

9. Photography:



Prepared By: Joseph E. Diamond, Archaeological Consultant, 290 Old Route 209,  
Hurley, NY 12443. (845) 338-0091