Public Archaeology Facility Report

Binghamton University
State University of New York
Binghamton, New York 13902-6000

REPORT OF FIELD RECONNAISSANCE
PHASE 1 CULTURAL RESOURCE SURVEY
CARRIAGE HILL ESTATES - SEWER LINE PROJECT
CITY OF TROY AND TOWN OF BRUNSWICK
RENSSELAER COUNTY, NEW YORK
MCDs 08340 AND 08302

PREPARED BY:
SAMUEL M. KUDRLE

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BINGHAMTON UNIVERSITY
BINGHAMTON, NEW YORK 13902

SUBMITTED TO :

UNITED DEVELOPMENT GROUP

MAY 27, 2005

REPORT OF FIELD RECONNAISSANCE
PHASE 1 CULTURAL RESOURCE SURVEY
CARRIAGE HILL ESTATES - SEWER LINE PROJECT

Permit Applicant: United Development Group

Location: City of Troy and the Town of Brunswick, Rensselaer County, New York
MCD 08340 and 08302

Report prepared by: Samuel M. Kudrle
Affiliation: Public Archaeology Facility
Binghamton University
Binghamton, New York 13902

Date: May 27, 2005
(607) 777-4786

PROJECT SUMMARY

A Phase 1 cultural resource survey was requested for the proposed Carriage Hills Estate Sewer Line Project in the City of Troy and Town of Brunswick, Rensselear County, New York. The proposed development calls for the construction of a sewer line west along CR 140 (Pine Hills Avenue) from Deerfield Lane to the intersection with Maple Avenue on the edge of the City of Troy. Measuring approximately 3126 m (10250 ft) in total length, the line will be placed 1.5-3 m (5-10 ft) off the edge of the road shoulder (in some instances within an existing drainage ditch). The first 1220 m (4000 ft) of sewer line, from Deerfield Lane to Banbury Road, parallels the southern edge of CR 140. Roughly 45 m (150 ft) east of Banbury Road, the line will be directionally bored north under CR 140, at which point the proposed corridor will traverse the northern road shoulder to the intersection with Maple Avenue.

Physiographically, Rensselaer County lies within the glaciated Hudson Valley of New York State. Background research indicated the Hudson Valley region is highly sensitive for prehistoric archaeological resources. Within 3.2 km (2 mi) of the Carriage Hill Estates project area, archaeologists have documented at least ten sites, ranging in size from small camps and lithic scatters to whole-scale village settlements. Diagnostic artifacts from several of the sites provide rough dates, suggesting an occupational time-frame stretching from at least the Late Archaic (4000-1500 BC) through the Late Woodland (AD 800-1650). Historic archaeological and architectural sites are equally abundant within the immediate region (at least nine have been documented), but none fall within the project area impact zone. Although the historic maps (1854-1876) suggest CR 140 was sparsely populated during the late 18th and 19th centuries, most of the existing historic structures adjacent to the project area are set very far back from the road margin, a distance limiting the identification of any associated historic sheet middens.

After a short meeting with the project engineers, a walkover was conducted on May 11, 2005 to assess the topography and subsurface testing potential of the sewer line project area. During the walkover archaeologists identified a number of areas with obvious visual ground disturbance and landslope. Predominant disturbances include existing drainage ditches (most numerous on the south side of CR 140) and hill grading. Areas of severe landslope (>15%) are confined almost exclusively to gorges and gullies around several seasonal tributaries of the Poesten Kill. Based on the results of the walkover, and the high archaeological sensitivity of the regional landform, a 15 m (50 ft) testing interval was used for all undisturbed and non-sloping sections of the project area. This interval produced a total of 155 STPs, sampling 74% of the total 3126 m (10250 ft) sewer line corridor.

Crews recovered a total of 93 historic/modern artifacts (all of which are likely associated with random roadside refuse) from 22 STPs. No prehistoric artifacts were identified. Based on the results of the subsurface testing we recommend that the proposed development will have no adverse impact on significant cultural resources. No additional archaeological work is recommended.

PART 1: DOCUMENTARY RESEARCH ADDENDUM SITE IDENTIFICATION

A. Documentary Research Addendum

1. **..X.. Local site inventory checked (specify): Public Archaeology Facility, Binghamton University**
2. **..X.. Division for Historic Preservation (NYS OPRHP) / New York State Museum**
3. **..X.. Other sources checked (specify)**

Beers, F.W.
1876 *Atlas of Rensselaer County, New York.*

Lake, D.J. and S.N. Beers
1861 *Map of Rensselaer County, New York.*

Parker, Arthur C.
1920 History of the Archaeology of New York State," NYS Museum Bulletins 238-239.

Rogerson, A.E.
1854 *Map of Rensselaer County, New York.*

United States Geological Survey
1986 7.5 Minute Troy South, NY Quadrangle.

RESULTS OF DOCUMENTARY RESEARCH: ENVIRONMENT AND SOILS

The proposed Carriage Hill Estates Sewer Line project area is located along CR 140 in the Hudson Valley of New York State. This physiographic province consists of a north-south oriented gorge flanked to the west by the Catskills and the northern extension of the Appalachians and to the east by the highlands of New England (USDA 1988). In general the microtopography of the valley is characterized by steep valley walls and ridges, some of which reach an elevation of 305 m (1000 ft) ASL, and valley lowlands marked by eroded hills. The lowlands vary from 30-60 m (100-200 ft) above the Hudson River, and therefore the majority of the valley has no real flood plain development. The effect of Pleistocene glaciation within the Hudson Valley is evident in the smooth nature of the surrounding ridges and hills (USDA 1988).

The Hudson River watershed provides the primary drainage for Rensselaer County. Additional drainage is provided by several smaller tributaries which originate in the surrounding uplands. Most notable for the Carriage Hill Estates project area is the Poesten Kill, a meandering Hudson River tributary which originates in the uplands roughly 15 km (9 mi) east of the project area and merges with the Hudson River at the City of Troy. CR 140 parallels an upland terrace overlooking the Poesten Kill, with the closest meander approximately 500 m (1640 ft) to the north. At least three to four seasonal creeks flow north through steep gullies across the CR 140 corridor from the hills south of the project area.

Located in the uplands east of City of Troy, elevations for the project area hover around 200 m (660 ft) ASL (Attachment B.2). The soil types within the project area reflect the glacial nature of the region. The USDA soil map (Attachment B.3) indicates the presence of two major soil types within the boundaries of the project area: Benardston-Pittston complex (moderately steep/rolling) and Hoosic gravelly loam. Both types are derived from a combination of upland till and glacial outwash deposits. Surface A-horizons are typically shallow, varying from 20-30 cm (8-12 in), followed by a mixture of gravelly loam (Hoosic series) or gravelly clay (Benardston-Pittston) subsoil. Given the upland origin, deeply buried cultural deposits are not expected for the project area. Any artifacts should be confined to the surface A-horizon or first few inches of the subsoil.

RESULTS OF DOCUMENTARY RESEARCH: PREHISTORY

The prehistory of New York State and the Northeast was characterized by two broad subsistence patterns, both of which had profound influences on settlement and landuse patterns and material culture. The first, designated as the pre-agricultural hunter/gatherer, was developed with the arrival of highly mobile groups during the Paleo-Indian and Early-Middle Archaic periods around 10,000-8000 BC and flourished in the region until the advent of early agriculture in the Late Woodland periods (AD 900-1650). It was during this period that human groups relied almost solely on gathered plant resources, fish, and game animals for daily subsistence. Hunting and gathering continued to be an important part of the subsistence base during the later agricultural period, but a large part of the daily subsistence was increasingly shifted toward the production and consumption of the maize-beans-squash complex. This subsistence shift led to the development of larger and more sedentary human populations, and the subsequent construction of hamlet and village settlements near agricultural fields.

Prehistoric Site Sensitivity Assessment

Background research indicated the Hudson Valley region is highly sensitive for prehistoric archaeological resources. Within 3.2 km (2 mi) of the Carriage Hill Estates project area, archaeologists have documented at least ten sites, ranging in size from small camps and stray finds to whole-scale village settlements clustered along the Poesten Kill and additional Hudson River tributaries. Diagnostic artifacts from several of the sites provide rough dates, suggesting an occupational time-frame stretching from at least the Late Archaic (4000-1500 BC) through the Late Woodland (AD 800-1650). In addition, the multi-component Schuyler Flatts site (A00104.000002; NYSM 1631) along the Hudson River is National Register Listed. Expected prehistoric site types for upland environmental contexts include small camps and opportunistic resource-processing stations.

RESULTS OF DOCUMENTARY RESEARCH: HISTORY

Rensselaer County was originally settled in the early 17th century by Dutch pearl-diamond merchant Kilian Van Rensselaer as part of the Dutch Patroon System. Rensselaer's early settlement encompassed much of present-day Rensselaer, Albany, and Columbia Counties. Early pioneer family were few and far between, but many settled along the Hudson lowlands to subsistence farm, cut timber, and trap. Larger colonial communities to the south included the Cities of Albany and Troy (USDA 1988).

Historic Sensitivity Assessment

Overall, the local histories of Rensselaer County do not contain much pertinent information concerning the archaeological potential of the for CR 140. Historic archaeological and architectural sites have been identified within the immediate region (at least nine have been documented), but none fall within the project area impact zone. Although the historic maps (1854-1876) suggest CR 140 was sparsely populated during the late 18th and 19th centuries, most of the existing historic structures adjacent to the project area are set very far back from the road margin, a distance limiting the identification of any associated historic sheet middens.

DOCUMENTARY SUMMARY

..... **no sites reported**
..X.. **sites reported (describe briefly)**

Documented Prehistoric Archaeological Sites

Background research indicated the Hudson Valley region is highly sensitive for prehistoric archaeological resources. Within 3.2 km (2 mi) of the Carriage Hill Estates project area, archaeologists have documented at least ten sites, ranging in size from small camps and lithic scatters to whole-scale village settlements. Diagnostic artifacts from several of the sites provide rough dates, suggesting an occupational time-frame stretching from at least the Late Archaic (4000-1500 BC) through the Late Woodland (AD 800-1650). In addition, the multi-component Schuyler Flatts site (A00104.000002; NYSM 1631) along the Hudson River is National Register Listed.

Documented Historic Archaeological/Architectural Sites

Archaeologists have documented at least nine historic archaeological and architectural site within 3.2 km (2 mi) radius of the Carriage Hill Estates project area. Seven of the nine are associated with industrial/commercial structures or landuse. Two of these (the Poestenkill Gorge Historic District and the Upper Burden Iron Works) are National Register Listed. In addition, the multi-component Schuyler Flatts site (A00104.000002; NYSM 1631) along the Hudson River is a National Register Listed historic domestic occupation dating from 1643 to the late 19th century.

National Register Listed architectural sites include the Emma Willard School (USN 08340.000087), the Henry Koon House (USN 08340.000140), 174 Larchwood Avenue (USN 08340.000085), and the Potwine House at 162 Pine Woods Avenue (USN 08340.000086). Several additional structures within the area have been inventoried for National Register (Attachment C).

B. FIELD INVESTIGATION

1. Methodology

a. Description of structure for survey team (number, organization)

Dr. Nina M. Versaggi, Director of PAF, supervised this project. Samuel M. Kudrle was the project director and primary author of this report. Robert Wurst and Jason Mayoka acted as field directors, and the archaeological crew consisted of Gary Pelton, Greg Diute, Alex Nevgloski, Rebecca Stollman, and Dorothy Kastl. Project maps were drawn by Kudrle, and all administrative work was carried out by Maria Pezzuti and Annie Pisani. All field and research staff meet or exceed the minimum qualifications for professionals in archaeology.

b. Date of testing and description of general conditions (including season, ground visibility, weather)

The project area testing was conducted from May 12-17, 2005 Conditions for testing were excellent, with warm temperatures and mostly sunny skies. All parcels were covered with vegetation so there was no surface visibility. Soils throughout the project area were well-drained and dry.

c. Outline of field testing strategy, specifying (when appropriate): sampling technique, surface inspection techniques, (transect interval, method of ground examination), subsurface techniques (types, interval, and average depth of excavation unit; for screening note size of mesh), remote sensing techniques.

Survey methodology: Archaeologists staked out 155 original shovel test pits (STPs) within the proposed sewer line corridor. Depending on the type of land-use, and topography of the area, all STPs were placed between 1.5-3 m (5-10 ft) off the edge of CR 140. An attempt was made to separate all STPs within the transect by a 15 m (50 ft) interval, but in some instances this interval was lengthened or shortened to maximize the number of STPs per property. All distances between STPs within a transect and the edge of the road were recorded for mapping purposes.

All STPs were dug with hand tools and were generally 35 cm (14 in) in diameter. All undisturbed STPs were excavated to a depth of 15 cm (5.8 in) into the underlying B-horizon subsoil. All soil was sifted through 7 mm (.25 in) hardware cloth and artifacts from each recognizable soil horizon were bagged separately. Notation was made of coal ash, brick fragments, and any post-1945 materials such as plastic and roadside debris, and these items were discarded in the field. Written descriptions of soil color and texture, artifact content, and digging conditions were made at the time of excavation. Photographs were taken from various locations within the project area to provide a visual representation of the physical environment and land use patterns.

Artifact analysis: Following fieldwork, all artifacts were processed and analyzed in the labs of the Public Archaeology Facility at Binghamton University. Processing included washing and dry-brushing fragile materials and checking and re-tagging of the artifact bags for proper conservation. All artifacts recovered were analyzed according to standard PAF systems.

Historic artifacts were classified according to a non-hierarchical catalogue system developed at PAF. The system identifies broad artifact patterning through the use of functional groups. Each artifact was classified as to functional group (kitchen, architectural, personal, smoking, etc.) as well as to a specific type attribute (e.g. tableware/teaware, food preparation, and storage). Information on ceramic decoration and form was also recorded when present along with time ranges for the manufacture of these artifacts and other diagnostic pieces.
All of the artifacts, notes and other documentation of the reconnaissance testing are curated according to federal (36 CFR Part 79) and state guidelines (NYAC 1994) in the facilities of the Department of Anthropology at Binghamton University.

d. Description of general soil characteristics, including texture and depth to sterile soil (Attachment F).

STPs noted intact soil horizons throughout most of the project area. Outwash and till soils form the major type in the region, and for most pits a simple A-B stratigraphy was identified. In profile this A-B stratigraphy appears as a dark brown silty loam overlying a yellowish-brown silty-gravelly loam. Road fill was evident within the vertical profile for some STPs, typically appearing as a loose mixture of silty-clay and crushed gravel.

The surface A-horizon averages approximately 24 cm (9.5 in) in depth, with a minimum and maximum range of 6-65 cm (2-25 in). Total STP depth varied from 41 cm (16 in), for an average of 20-77 cm (8-30 in) below the ground surface.

e. Description of intensity of coverage and rationale for excluding areas from survey. Attach a map with location and type of each excavation unit, and areas surface inspected. Any areas not surveyed should be clearly delineated (Attachment E).

Based on the results of the walkover, and the high archaeological sensitivity of the regional landform, a 15 m (50 ft) testing interval was used for all undisturbed and non-sloping sections of the project area. This interval produced a total of 155 STPs, sampling 74% of the total 3126 m (10250 ft) sewer line corridor.

In general, the 15 m (50 ft) interval of testing is sufficient for identifying historic sites, as well as most medium to large-sized prehistoric sites. This interval will also intersect a sample of small prehistoric sites.

f. Description of problems encountered during survey which may have influenced results.

No problems were encountered during the archaeological survey.

2. Results of Field investigation

..X. no sites identified
..... site(s) identified

Archaeologists excavated 155 STPs within the project area boundaries. Crews recovered a total of 93 historic/modern artifacts (all of which are likely associated with random roadside refuse) from 22 STPs. No historic archaeological site were identified.

3. Project Recommendations

..X. **No additional work (non-site areas)**
..... **Additional investigation**
..... **Project modification to avoid sites**

Based on the results of the subsurface testing we recommend that the proposed sewer line will have no adverse impact on significant cultural resources. No additional archaeological work is recommended.

4. Rationale

a. Evaluate the effect of the proposed undertaking on identified cultural resources.

N/A

b. Describe possible precautions, protective measures or project modifications that would avoid or alleviate these impacts.

N/A

c. Identify sites and/or areas which require additional study.

N/A

d. Outline the nature and extent of additional investigation(s).

N/A

END PART I
If site evaluation is not complete at this time, proceed to Part III

PART 3: SUPPORTIVE DATA

Reports should include the items listed below. Bracketed information is optional. Put a check next to each item appended.

PLEASE NOTE: Most attachments listed below often provide precise locational and compositional data on archaeological sites. This information is confidential to protect the resource from vandalism. All attachments with site specific information should be omitted from report copies which will be available to the general public.

..A.. qualifications of the principal investigator(s)

..B.. topographic and soils maps with project area noted

..C.. site files check (Confidential: Not for public release)

..D.. copies of relevant historic maps

..E.. map(s) of test locations, field inspection, and areas of cultural material; maps must have title, legend, bar scale, and directional arrow.

..F.. record of soil stratigraphy in each test unit

..G.. artifact catalog

..H.. photographs of the project area

..... OPR&HP Site forms

Certification: I certify that I directed the cultural resource investigation reported here, that my observations and methods are fully reported, and that this report is complete and accurate to the best of my knowledge.

5/27/05
date

signature of preparer

ATTACHMENT A:
Qualifications of the Principal Investigators

Dr. Nina M. Versaggi
Director and Principal Investigator, Public Archaeology Facility

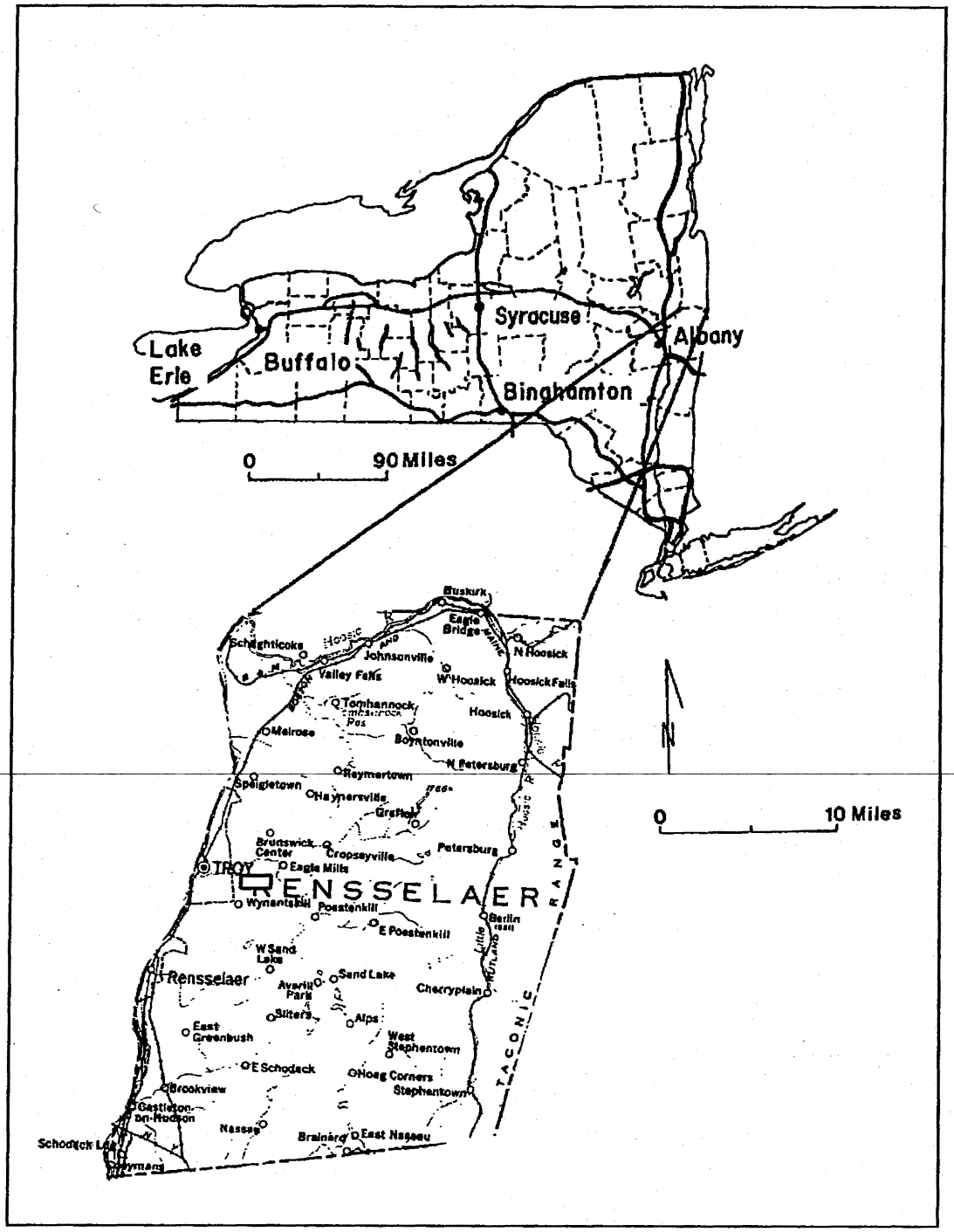
Versaggi received her doctorate in Anthropology from SUNY-Binghamton in 1988, her MA from SUNY University at Binghamton in 1976 and her BA from Rutgers University in 1974. She has been active in professional archaeology since 1972. Professional positions held include Director of the Public Archaeology Facility since 1988, Partner in Compliance Survey Associates for 6 years, Guest Curator at the Roberson Museum and Science Center, and Post-doctoral Fellow at the Hartwick College Museums. She serves as principal investigator for all current and past projects of the Public Archaeology Facility whose recent major projects include the Broome Tech Data Recovery in Binghamton and the state-wide highway subcontract with the New York State Museum and NYSDOT. She has authored "Hunter to Farmer: 10,000 Years of Susquehanna Valley Prehistory," "Prehistoric Hunter-Gatherer Settlement Models: Interpreting the Upper Susquehanna Valley," and "Upland Foraging Sites in the Northeast: Engendering Prehistory," which are based on NYSDOT and pipeline prehistoric data. She is a member of the board for the Preservation Association of the Southern Tier, and for the New York Archaeological Council she chairs the Professional Survey and Report Standards Committee. She serves as an Adjunct Associate Professor at Binghamton University.

Samuel M. Kudrle
Project Director, Public Archaeology Facility

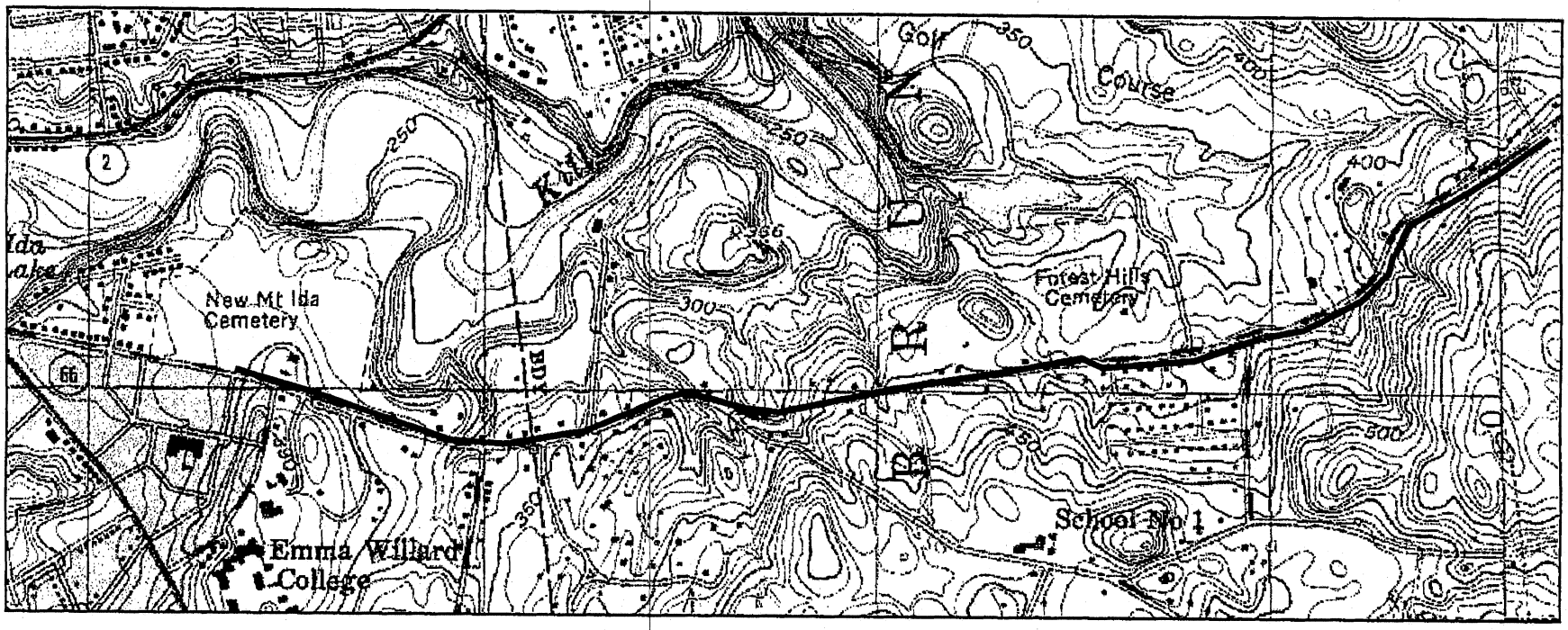
Kudrle received his BA, Magna Cum Laude, in Anthropology from SUNY Plattsburgh in 1997 with a concentration in physical anthropology and human ecology. He completed his MA in anthropology at Binghamton University in 1999 with a concentration in human bio-archaeology. Kudrle completed course work in human ecology and variation, archaeological methods, and cultural evolution at SUNY Plattsburgh; and seminars in lithic analysis, human bio-archaeology and paleopathology, dental anthropology, human growth and development, human paleo-anthropology, and historical archaeology during his graduate work at Binghamton University. He completed an archaeological field school at SUNY Plattsburgh in 1996 and has worked as a professional archaeologist since 1998. He has been involved with several site exams and data recoveries as an archaeologist at PAF including the Broome Tech site, Warner-Pritchard site, Horatio Fobes site, a Millennium Pipeline site, Howard-Chenango site, Thomas Creek site, Persons site, Lloyd site, J. Evans site, the McNish site, and the Baker Road site. Kudrle has been a field director with PAF since June 2000, and a project director since May 2001.

ATTACHMENT B: TECHNICAL MAPS

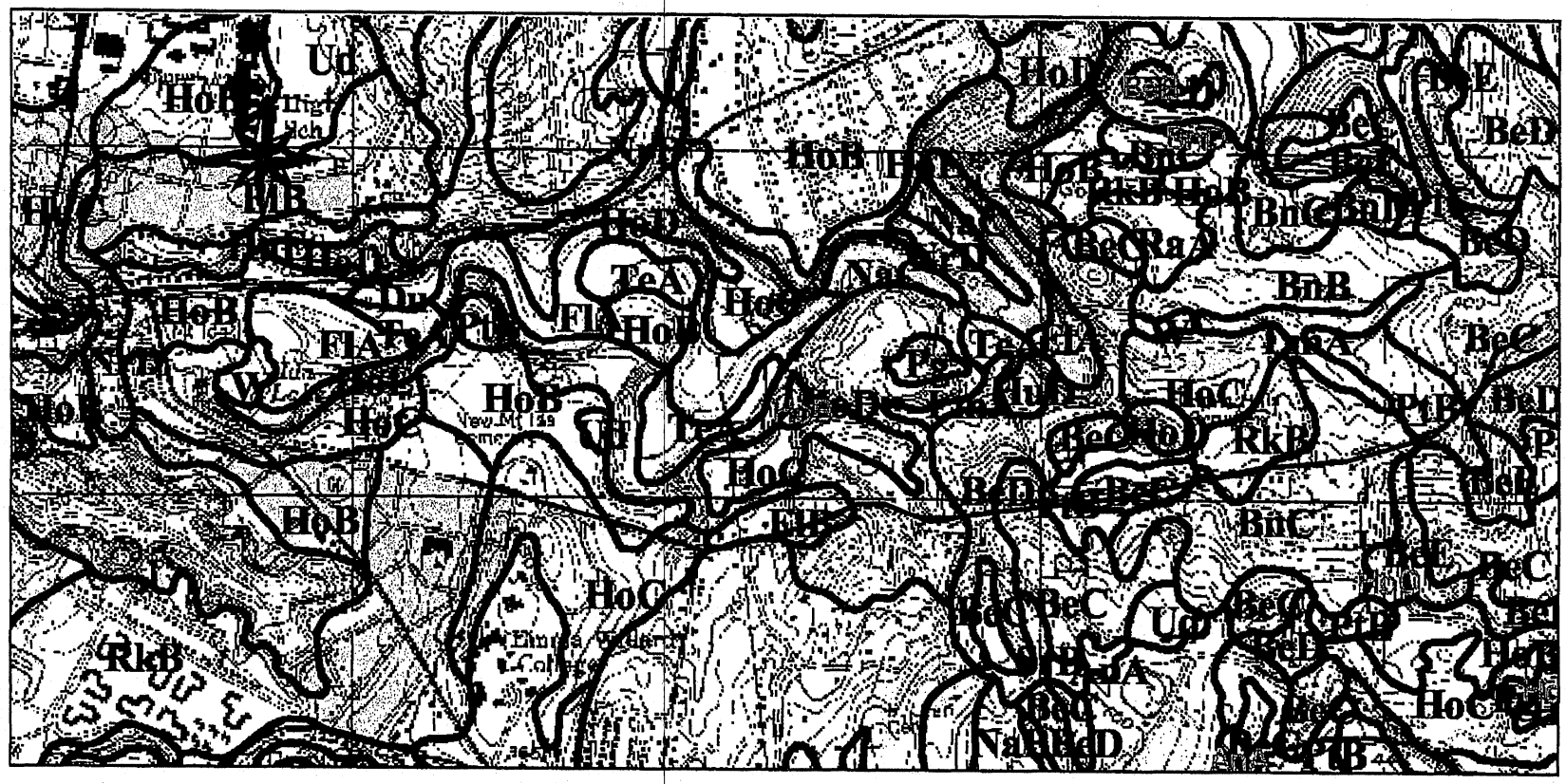
B.1. Location of the project area within New York State and Rensselaer County



B.2. USGS 1986 Troy South, New York Topographic Map (project location highlighted in blue)



B.3. 1988 USDA Soil Survey Map of Rensselaer County, New York (project location highlighted in blue)



ATTACHMENT C: NYS OPRHP SITE FILES

CONFIDENTIAL; Not for Public Release
NYS OFFICE OF PARKS, RECREATION AND HISTORIC PRESERVATION
Field Service Bureau Files Search

DATE: May 23, 2005
CONDUCTED BY: B Ross
Project: Carriage Hill Estates, CR 140; Pinewoods Avenue; intersection of Pawling Avenue east to east Troy South Quadrangle line
Minor Civil Division (MCD): City of Troy (08340) and Town of New Brunswick (08302)
County: Rensselaer
USGS Quadrangle: Troy South

1. Archaeological Sites (within 3.2 km / 2 mi radius):

   Refer to attached table.

2. Surveys and Reports within immediate or adjacent MCDs: (all, with possible exception of Stage IA):

OPR Report unnumbered, 99PR2896. *Stage IA Archaeological Assessment for Mt. Ida Dam Pond Sediments, Postenkill Gorge Historic District, City of Troy, Rensselaer County, New York*, Hartgen Archeological Associates, 9/99 for SEQRA.

OPR Report unnumbered, 96PR1825. *Architectural Survey for PIN 1306.53.101, NY 7, Troy City Line to NY 142, Town of Brunswick, Rensselaer County, New York*, NYS Museum, 6/96 for DOT.

OPR Report unnumbered, 02PR4745. *Stage IA Literature Review for Mt. Ida Trails, Postenkill Gorge Historic District and Prospect Park, City of Troy, Rensselaer County, NY*, Hartgen Archeological Associates, 9/02 for EPF.

OPR Report #6. *Stage IA/B Cultural Resource Survey for PIN 1054.00.111, I-787 Hoosick Street Bridge Connector, City of Troy, Rensselaer County, New York*, University Albany, 1975 for DOT. Two historic sites; A08340.000064-65 (Item 1, Sites 23-24).

OPR Report #7. *Stage IA Cultural Resource Survey for PIN 1162.00, NY 7, Towns of Pittstown, Hoosick and Brunswick, Rensselaer County, NY*, University Albany, 11/77 for DOT. AND Stage IB; Spicer Road to Hoosick River, NYSM, 12/80, 60 historic and 3 prehistoric sites; all beyond 3.2 km.

OPR Report #10. *Stage IA/B Cultural Resource Survey for PIN 1751.02, 8th Street, City of Troy, Rensselaer County, NY*, NYS Museum, 9/80 for DOT. No sites.

OPR Report #15 (Albany Co). *Stage I, Village of Green Island Interceptor and Trunk Sewers, Albany County, New York*, University Albany, 1976. One possible Historic Native American site; A00144.0000018 (Item 1, Site 24).

OPR Report #22. *Stage IA/B Cultural Resource Survey for BIN 2024660, Pawling Avenue over Postenkill, City of Troy, Rensselaer County, NY*, NYS Museum, 3/84 for DOT. NOTE: closest survey to proposed project area but not adjacent and no sites identified.

OPR Report #36. *Stage IB Cultural Resource Survey for Wynantskill Hydroelectric Power Project, City of Troy, Rensselaer County, NY*, Hartgen Archeological Associates, 8/85 for FERC. No sites within 3.2 acres.

OPR Report #37. *Stage IA Cultural Resource Survey for PIN 1751.65 Bridge Rehabilitation, Second and Fourth Streets over Postenkill, City of Troy, Rensselaer County, NY*, Ryan-Biggs Associates for DOT.

OPR Report #57. *Stage IB Cultural Resource Survey for Oakwood Business Park, City of Troy, Rensselaer County, NY*, Collamer and Associates, 6/90 for HUD. Two historic sites; A08340.001071-1072 (Troy North; beyond 3.2 km) within 40.8 acres surveyed.

Page 2. NYSOPRHP Site File/Structure Inventory/NR Search for Carriage Hill Estates Project, City of Troy, Town of Brunswick, Rensselaer County.

OPR Report #68. *Stage IB Cultural Resource Survey for Brunswick Landfill Borrow Area, Town of Brunswick, Rensselaer County, NY,* Heritage America, 5/92 for DEC. No sites within 15 acres.

OPR Report #71, 93PR0090. *Stage IA/B Cultural Resource Survey for PIN 1089.48.109, Route 4 over Vandenburgh Avenue and Morrison Avenue, City of Troy and Town of North Greenbush, Rensselaer County, NY,* NYS Museum, 7/92 for DOT. No sites within 28.9 acres.

OPR Report #76, 93PR2242. *Archaeological Field Reconnaissance for Group Residence, Huvermans Avenue, City of Troy, Rensselaer County, NY,* Hartgen Archeological Associates, 7/94 for HUD. No sites within one acre.

OPR Report #78, 93PR1092. *Cultural Resource Reconnaissance Survey for PIN 1001.24.108, Route 2, Hamlet of Cropseyville, Towns of Brunswick and Grafton, Rensselaer County, NY,* NYS Museum, 12/93 for DOT. One historic site, A08302.000032 (Averill Park Quad; beyond 3.2 km).

OPR Report #94, 98PR0780. *Stage IA/B Reconnaissance for Proposed PCS Tower 3R#A0712-Phibbs, Moonlawn Road, Town of Brunswick, Rensselaer County, NY,* Hartgen Archeological Associates, 4/98 for FCC. No sites within 0.1 acres.

OPR Report #106. *Stage IA Report of Archaeological Potential Super Shop'N Save, Congress and Ferry Streets, City of Troy, Rensselaer County, NY,* Hartgen Archeological Associates, 7/89. AND Stage II Investigations for Samuel 'Uncle Sam Wilson' House, 10/90.

OPR Report #113, 99PR1694. *Stage IA/B Archaeological Investigations for Troy Bike Path, City of Troy, Rensselaer County, NY,* Hartgen Archeological Associates, 1/00 for SEQRA. No sites within 0.5 acres.

OPR Report #131, 00PR4250. *Stage IB Cultural Resource Investigations for Turnpike Elementary School Expansion, Lansingburgh Central School District, City of Troy, Rensselaer County, NY,* Dean and Barbour, 8/01 for SED. No sites within 5.5 acres.

OPR Report #142, 01PR2595. *Stage IB Archaeological Survey for Rensselaer Polytechnic Institute Biotechnology/Interdisciplinary Studies Building and Related South Campus Improvements, City of Troy, Rensselaer County, NY,* Hartgen Archeological Associates, 3/02 for SEQRA. One historic site, A08340.001693 (Troy South; beyond 3.2 km) within 22.5 acres.

OPR Report #143, 01PR1832. *Stage IA/B Archaeological Survey for Diamond Rock Terrace II Senior Housing, City of Troy, Rensselaer County, NY,* Edward Curtin, 3/02 for DHCR. No sites within 2.8 acres.

OPR Report #156, 02PR01398. *Stage IA/B Cultural Resource Survey for Gurley Avenue Development, City of Troy, Rensselaer County, NY,* Landmark Archaeology, 6/02. No sites within 8.5 acres.

OPR Report #167, 02PR0497. *Stage IB Letter Report for Area 2, Congress Street Reconstruction: 11th Street to Pawling Avenue (PIN 1753.39) Proposed Overlook Structure, City of Troy, Rensselaer County, NY,* Hartgen Archeological Associates, 3/03 for FHWA. No sites within 0.1 acres.

OPR Report #170, 02PR0497. *Stage IA/B Archaeological Field Reconnaissance for Three Parking Areas, Congress Street Rehabilitation project: 11th Street to Pawling Avenue, City of Troy, Rensselaer County, NY,* Hartgen Archeological Associates, 9/03 for FHWA. No sites within 0.5 acres.

OPR Report #174, 03PR4467. *Stage IA/B Archaeological Reconnaissance for Ingalls Avenue Fishing Access and Boat Launch, City of Troy, Rensselaer County, NY,* Hartgen Archeological Associates, 1/2004 for DEC. No sites within two acres surveyed.

Page 3. NYSOPRHP Site File/Structure Inventory/NR Search for Carriage Hill Estates Project, City of Troy, Town of Brunswick, Rensselaer County.

OPR Report #175, 02PR4886. *Cultural Resource Reconnaissance Survey for PIN 1001.28.121, BIN 1000202, NY 2 over Postenkill, Hamlet of Eagle Mills, Town of Brunswick, Rensselaer County, NY,* NYS Museum, 9/02 for FHWA. One historic site, A08302.000280 (Item 1, Site 29) within 3.15 acres.

OPR Report #179, 02PR3805. *Stage IB Cultural Resource Survey for Proposed South Troy Riverfront Pedestrian and Bicycle Trail Improvements, City of Troy, Rensselaer County, NY,* Hartgen Archeological Associates, 4/04 for EPF/PKS. No sites within 4.3 acres.

OPR Report #182, 04PR0220. *Stage IA/B Cultural Resource Survey for Hudson Iron Works Museum Restoration Project, Hudson Mohawk Industrial Gateway, One Industrial Parkway, City of Troy, Rensselaer County, NY,* 2004.

OPR Report #187, 01PR5874. *Stage IB Cultural Resource Survey for Proposed South Troy Industrial Park Road, City of Troy, Rensselaer County, NY,* Hartgen Archeological Associates, 10/04 for FHWA. One historic Site, A08340.001704 (Item 1, Site 8) within six acres.

OPR Report #194, 00PR2026 (Albany Co). *Archaeological Assessment of an Aboriginal Chert Blade Found near Building 19, Watervliet Arsenal, Town of Colonie, Albany County, NY,* Hartgen Archeological Associates, 5/00. One prehistoric site, A00142.000155 (Item 1, Site 12).

OPR Report #264, 99PR3617 (Albany Co). *Archaeological Investigations for Schuyler Flatts Cultural Park, Town of Colonie, Albany County, New York,* Hartgen Archeological Associates, 2002. One prehistoric site, A00104.000002 (Item 1, Site 16).

3. National Register eligible and listed properties within, adjacent or within view shed of project area:

   NRL – Brunswick – none near
   NRL – Troy: 90NR0992 Emma Willard School, 97NR1159 Henry Koon House (Walsh Residence/Stydenroth)
   NRL – Troy sites within 3.2 km: 90NR0980 Upper Burden Iron Works, Schuyler Flatts, 90NR0979 Postenkill Gorge Historic District

4. Inventoried structures within, adjacent or within view shed of project area:

   Brunswick – none near

   08340.001580, Pawling Avenue, Upper Mill Dam (No form available)
   08340.001581, Pawling Avenue, Mt. Ida Dam, Falls, etc. – (No form available) – a portion of this falls within the NRL Postenkill Gorge Historic District, however outside proposed project limits
   ~~08340.000139, Pawling Avenue; south intersection Pinewood Ave, Stapleton House (No form available)~~
   08340.000140, 171 Pawling Avenue, Henry Koon House (NRL – nomination attached and inventory form attached)

   08340.000087 D07, Pawling Avenue, Emma Willard School (NRL – nomination attached). Each building has its own USN and inventory form.
   Those closest to the proposed project area are attached:
   08340.000085 (Building 27, 174 Elmgrove Ave – corner of Pinewoods Ave) is NRL
   08340.000086 D07 (Potwine House, Building 28, 162 Pinewoods Ave) is NRL
   08340.000082 D07 (Tangeman Apartments; Building 22, 285 Pawling Ave) is non-contributing building within the district.

5. National Register staff comments and concerns:

   Not available for comments at this time.

CONFIDENTIAL (not for public release)

Item 1. Archaeological Site Table. Carriage Hill Estates Project, City of Troy (08340) and Town of Brunswick (08302), Rensselaer County. Troy South Quadrangle. Page 1 of 2.

Site Number	Site Name	Distance from project area / distance from water	Elevation (amsl) Slope	Cultural Affiliation / Site Type	Testing / Artifacts	Report
1) A08302.000210	Carriage Hill 2	183 m (600 ft) N / 61 m (200 ft) N of creek	Approx 122 m (400 ft); gentle	No form		
2) A08302.000211	Carriage Hill 3	0.8 km (0.5 mi) N / 366 m (1200 ft) N of creek	" flat	No form		
3) A08302.000214	Carriage Hill 6	107 m (350 ft) N / 30 m (100 ft) S of creek	" gentle	No form		
4) NYSM 8357		General area 0.6 km (0.4 mi) N / near creek	" moderate	No information	Noted as an 'x' on museum site map	None
5) historic A08340.000089 D07	Poestenkill Gorge Historic District	0.6 km (0.4 mi) NW / adj Poestenkill	Approx 107 m (350 ft); flat-moderate	Hydraulic industrial and worker housing remains **NR Listed (90NR0979)**	Surface and units (RPI)	None
6) prehistoric NYSM 4567	ACP RENS-19	Lg general area 0.5 km (0.3 mi) + W-SW / 305 m (1000 ft) + S of Postenkill	107-137 m (350-450 ft); flat-moderate	Unidentified prehistoric Village	Extensive in size	Documented by Parker
7) prehistoric NYSM 7372	ACP RENS	Lg general area 1.6 mi (1 mi) SW / east side Hudson River	"	Unidentified prehistoric Camp	No information	"
8) historic A08340.001704	Rensselaer Iron Works	1.9 km (1.2 mi) W / 152 m (500 ft) E of Hudson River	Approx 122 m (400 ft); gentle	19th century iron works	Backhoe trench: 2 features of hand molded brick: one circular base and another footing to a structure	OPR Report #187; 01PR5874
9) A08340.001073		1.3 km (0.8 mi) NW / 640 ft (2100 ft) N of Poestenkill	" flat	No form; not in SPHINX	Site or error?	
10) historic A08340.000007		1.9 km (1.2 mi) NW / 335 m (1100 ft) E of Hudson River	" gentle	Extant 1835 building; first commercial laundry (Independence & Sparks) in US	None	None
11) historic A08340.000008		2.3 km (1.4 mi) NW / 76 m (250 ft) E of Hudson River	Approx 107 m (350 ft); gentle	Extant building c. 1825-35; first detachable collar manufacturer and beginning of Troy shirt industry	None	None
12) prehistoric A00142.000155	Watervliet Arsenal Area SE of Building 19	2.6 km (1.6 mi) W / 152 m (500 ft) W of Hudson River	15 m (50 ft); flat	Unidentified prehistoric; likely Early Woodland Stray find within NRL property	18 cm (7.5 in) long chert blade found by employee planting bush. Archaeologist sifted through disturbed soils-no other finds	OPR Report #194; 00PR2026
13) prehistoric A08340.000063		2.3 km (1.4 mi) SW / N side Wynantskill at confluence Hudson	61 m (200 ft); gentle	Unidentified prehistoric Village	No information	Documented by Parker
14) historic A08340.000024	Upper Burden Iron Works	2.3 km (1.4 mi) SW / 152 m (500 ft) S of Wynantskill	"	1851-52 iron foundry ruins and giant water wheel. **NR Listed**	No information	None
15) prehistoric NYSM 4571	ACP RENS-23	Lg general area 0.8 km (0.5 mi) S / both sides Wynantskill	98-107 m (320-350 ft); flat-moderate	Unidentified prehistoric Village and unidentified	Abundant stone articles	Documented by Parker

Parker, Arthur C "History of the Archaeology of New York State," NYS Museum Bulletins 238-239; 1920-22.

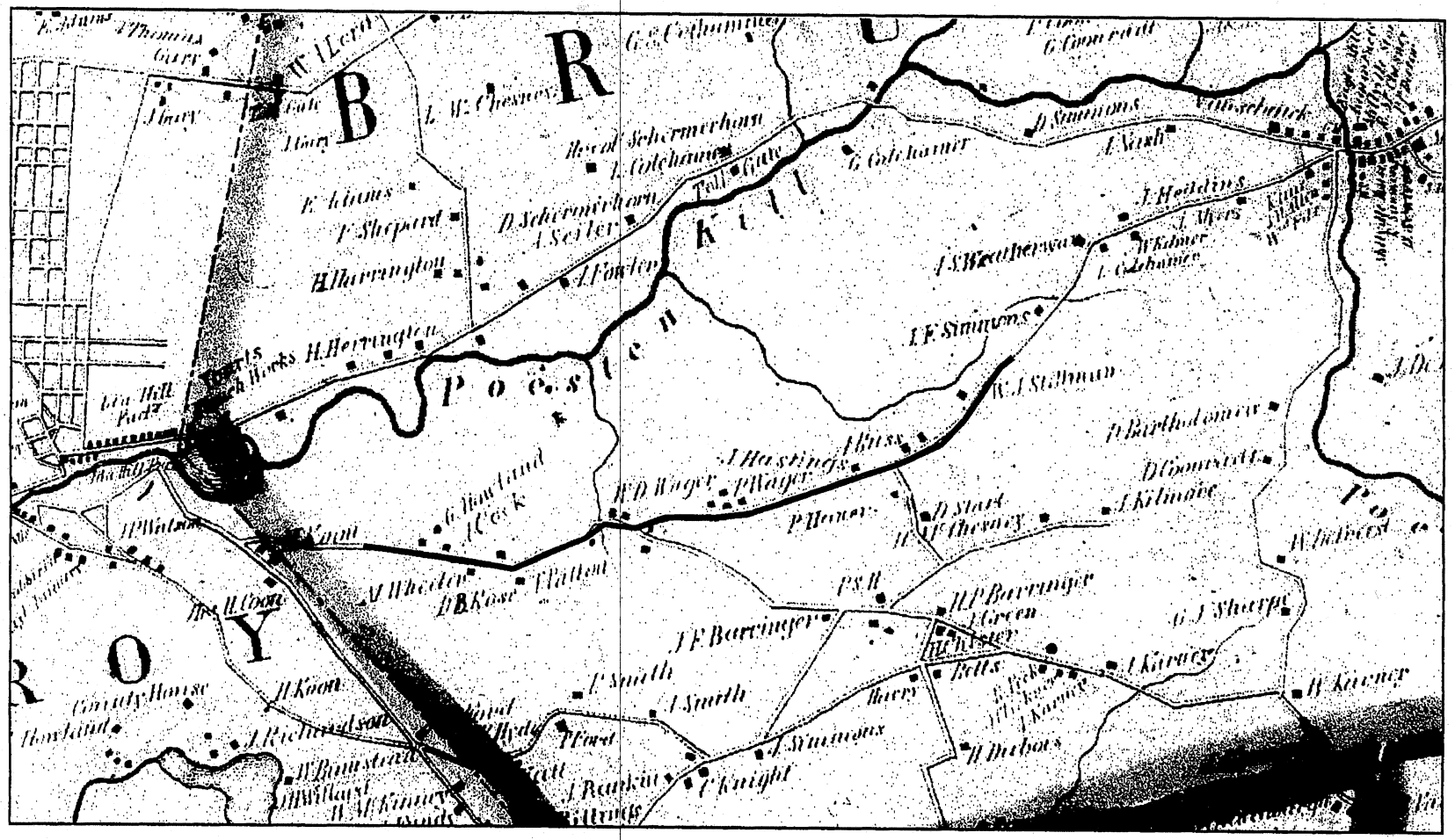
Item 1. Archaeological Site Table. Carriage Hill Estates Project, City of Troy (08340) and Town of Brunswick (08302), Rensselaer County. Troy South Quadrangle. Page 2 of 2.

Site Number	Site Name	Distance from project area / distance from water	Elevation (amsl) Slope	Cultural Affiliation / Site Type	Testing / Artifacts	Report
16) prehistoric & historic A00104.000002 NYSM 1631	Schuyler Flatts Site; TRY 1-1	3.2 km (2 mi) SW / approximately 61 m (200 ft) W of Hudson River	Approx 61 m (200 ft); flat	Transitional and Late Woodland (Owasco) and 17th century euroamerican Camp, burials and houses **NR Listed (90NR2789)**	Ruins of 1643 Arent Van Curler house; sold to Philip Schuyler 1672 and in that family for 200 years. Euroamerican domestic & building materials, Native American materials include pottery & projectile points, refuse pits with bone (mostly fish) and shell (including fresh water clam)	OPR Report # 2 6 4 ; 99PR3617
17) A08302.000212	Carriage Hill #4	1.1 km (0.7 mi) N / 274 m (1400 ft) SE of Poestenkill	Approx 91 m (300 ft); gentle	No form		
18) A08302.000213	Carriage Hill #5	1.1 km N / 335 m (1100 ft) S of Poestenkill	"	No form		
19) A08302.000209	Carriage Hill #1	1.1 km N / 305 m (1000 ft) S of Poestenkill	"	No form		
20) historic A08307.000011		2.9 km (1.8 mi) S / 61 m (200 ft) W of Wynantskill	91 m (300 ft); flat	Late 18th century ruins of a farm complex	No information	Wynantskill Sewer 1976
21) NYSM 8358		1.9 km (1.2 mi) N / 1067 m (3500 ft) E of Hudson River	Approx 107 m (350 ft); flat	No information	Marked as an 'x' on NYSM site map	
22) historic A08340.000064	ALB-43; B&M RR Site	2.4 km (1.5 mi) N-NW / 335 m (1100 ft) E of Hudson River	61 m (200 ft); flat	19th century railroad remains include rubble of stone bridge	Stps	OPR Report #6
23. historic A08340.000065	A L B - 4 4 ; Vanderheyden	2.4 km N-NW / 15 m (50 ft) E of Hudson River	"	No visible evidence of building plotted on 1791 map	No testing – area paved	OPR Report #6
24. HNA? A00144.000018	Green Island Bridge Site	2.7 km (1.7 mi) NW / 61 m (200 ft) W Hudson River	"	Native American (historic or prehistoric – no information) skeletons reported found in 1835 when bridge constructed	None	Documented in OPR Report #15
25. prehistoric NYSM 2795	ACP ALBY-12	Lg general area 2.7 km (1.7 mi)+ NW / W bank Hudson River	Approx 61 m (200 ft); gentle	Unidentified prehistoric 'early' camp	Crude fishing and hunting implements	Documented by Parker
26. prehistoric NYSM 9023		Very lg general area 2.7 km NW – extends N along both sides of Hudson River	"	Late Archaic and Transitional Stray finds	Collector reported Genesee projectile point	None
27. prehistoric NYSM 2796	ACP ALBY-13	2.6 km (1.6 mi) W / 457 m (1500 ft) W Hudson River	Approx 61 m (200 ft); flat	Possible Early Woodland Large camp	Artifacts include spears, scrapers, projectile points and a few polished slate stones	None
Averill Park Quad						
28) NYSM 7496		General area 1.6 km (1 mi) E / adj both sides Poestenkill	Approx 149 m (490 ft); flat	No information	Marked as an 'x' on NYSM site map	None
28. historic A08302.000208		1.9 km (1.1 mi) NE / adj W of Poestenkill	Approx 146 m (480 ft); flat	19th century Eagle Four Mill/Planter's Hoe Company site	No information	OPR Report # 1 7 5 ; 02PR4886

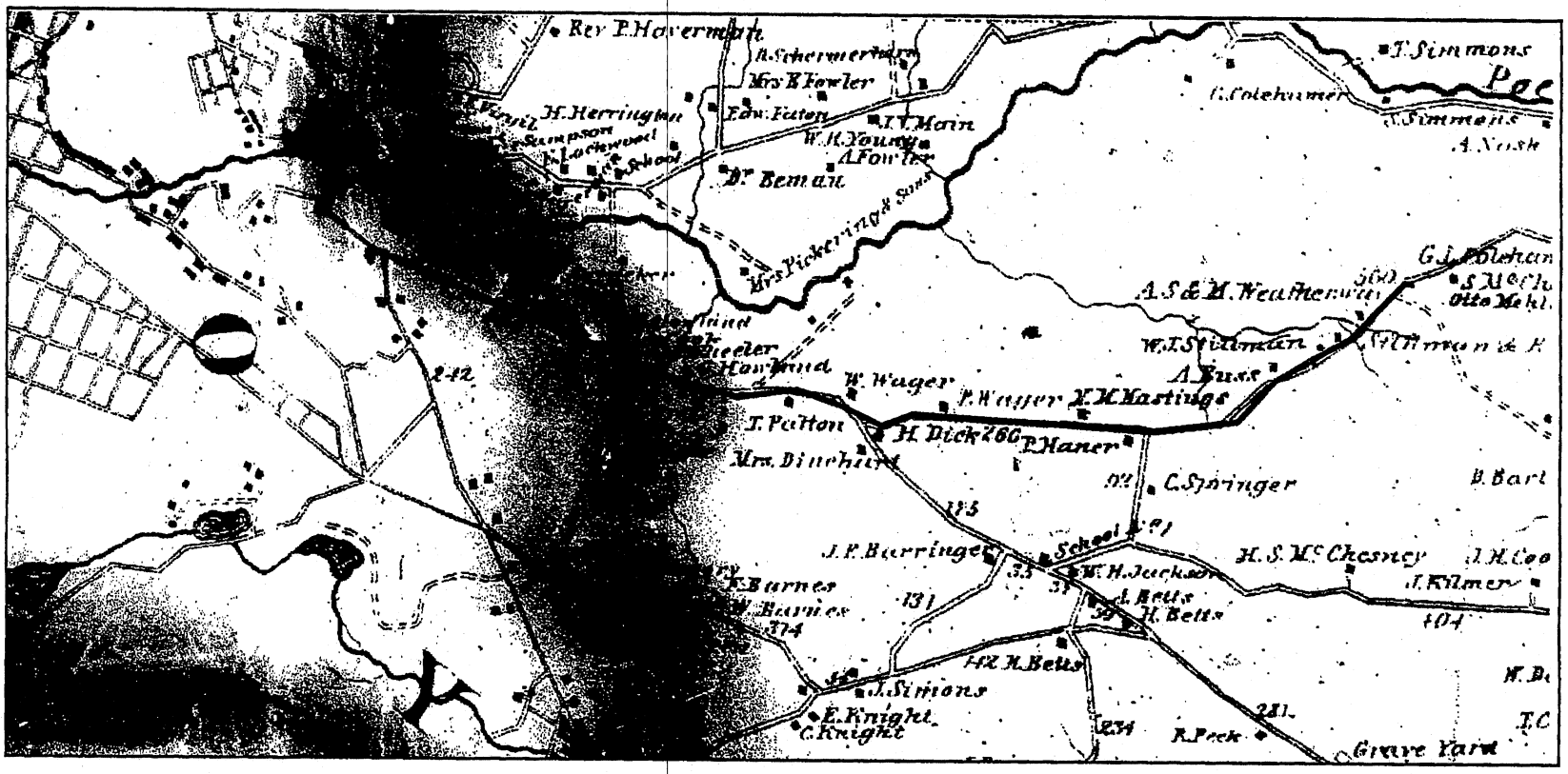
Parker, Arthur C "History of the Archaeology of New York State," NYS Museum Bulletins 283-239: 1920-22.

ATTACHMENT D: HISTORIC MAPS

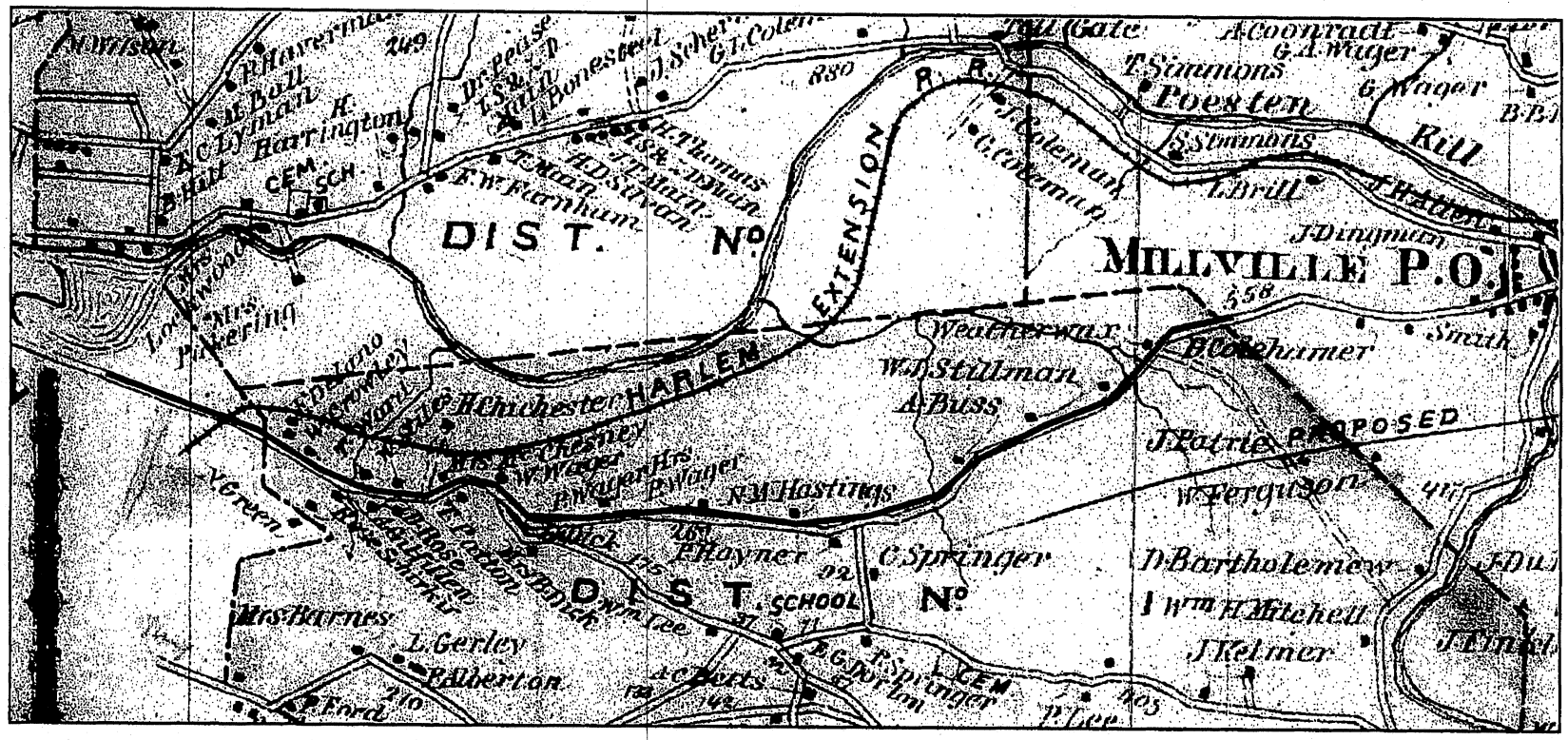
D.1. 1854 Rogerson Map of Rensselaer County (project location highlighted in blue)



D.2. 1861 Lake and Beers Map of Rensselaer County (project location highlighted in blue)



D.3. 1876 Beers Map of Rensselaer County (project location highlighted in blue)



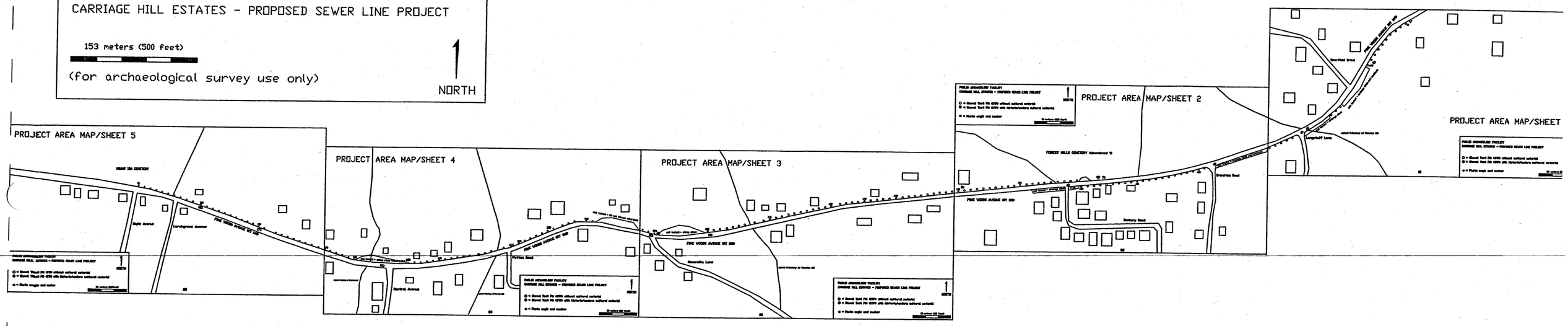
ATTACHMENT E: PROJECT AREA MAPS

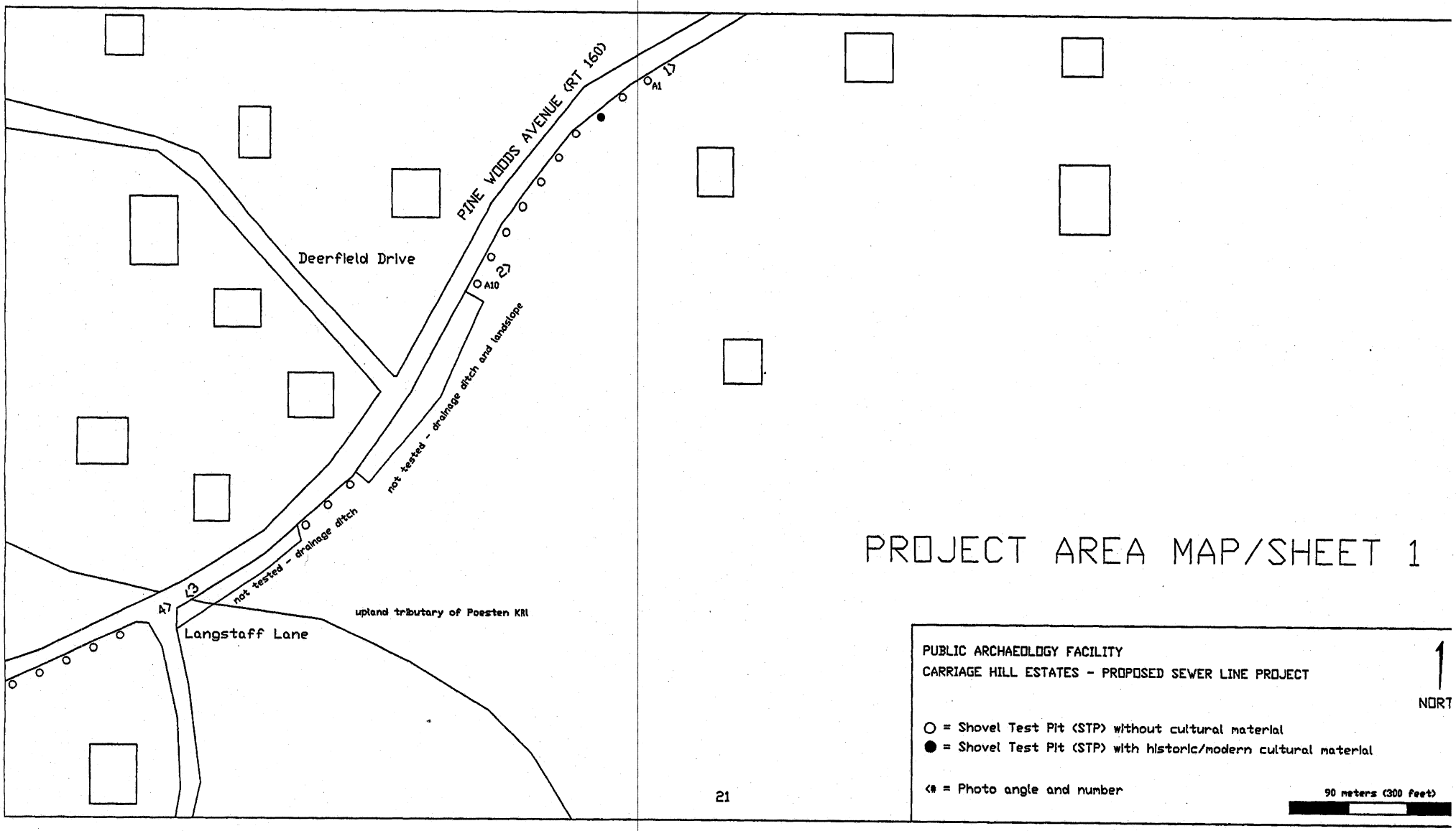
PUBLIC ARCHAEOLOGY FACILITY
CARRIAGE HILL ESTATES - PROPOSED SEWER LINE PROJECT

153 meters (500 feet)

(for archaeological survey use only)

NORTH




PINE WOODS AVENUE (RT 160)
Deerfield Drive
Langstaff Lane
A1
1>
A10
2>
3>
4>
not tested - drainage ditch and landslope
not tested - drainage ditch
upland tributary of Poesten Kill
PROJECT AREA MAP/SHEET 1
PUBLIC ARCHAEOLOGY FACILITY
CARRIAGE HILL ESTATES - PROPOSED SEWER LINE PROJECT
NORT
○ = Shovel Test Pit (STP) without cultural material
● = Shovel Test Pit (STP) with historic/modern cultural material
<# = Photo angle and number
90 meters (300 feet)

PUBLIC ARCHAEOLOGY FACILITY
CARRIAGE HILL ESTATES - PROPOSED SEWER LINE PROJECT

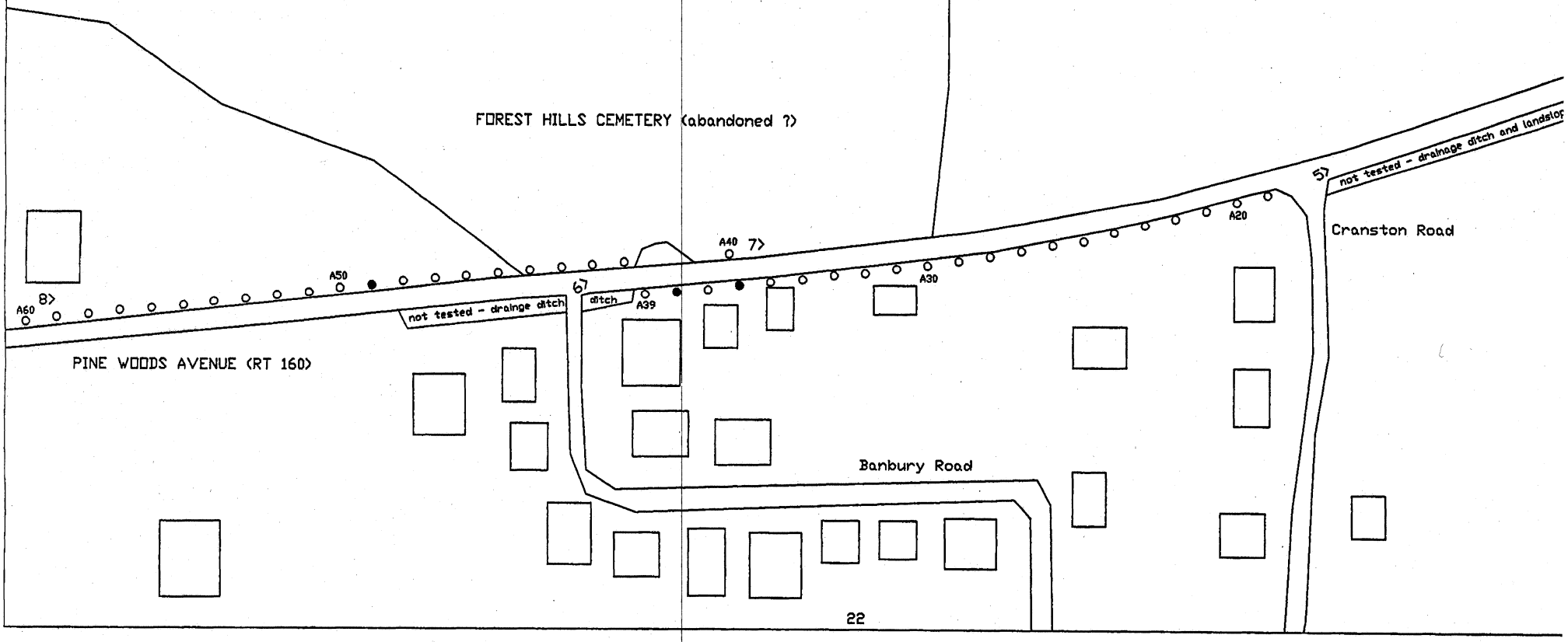
NORTH

○ = Shovel Test Pit (STP) without cultural material
● = Shovel Test Pit (STP) with historic/modern cultural material

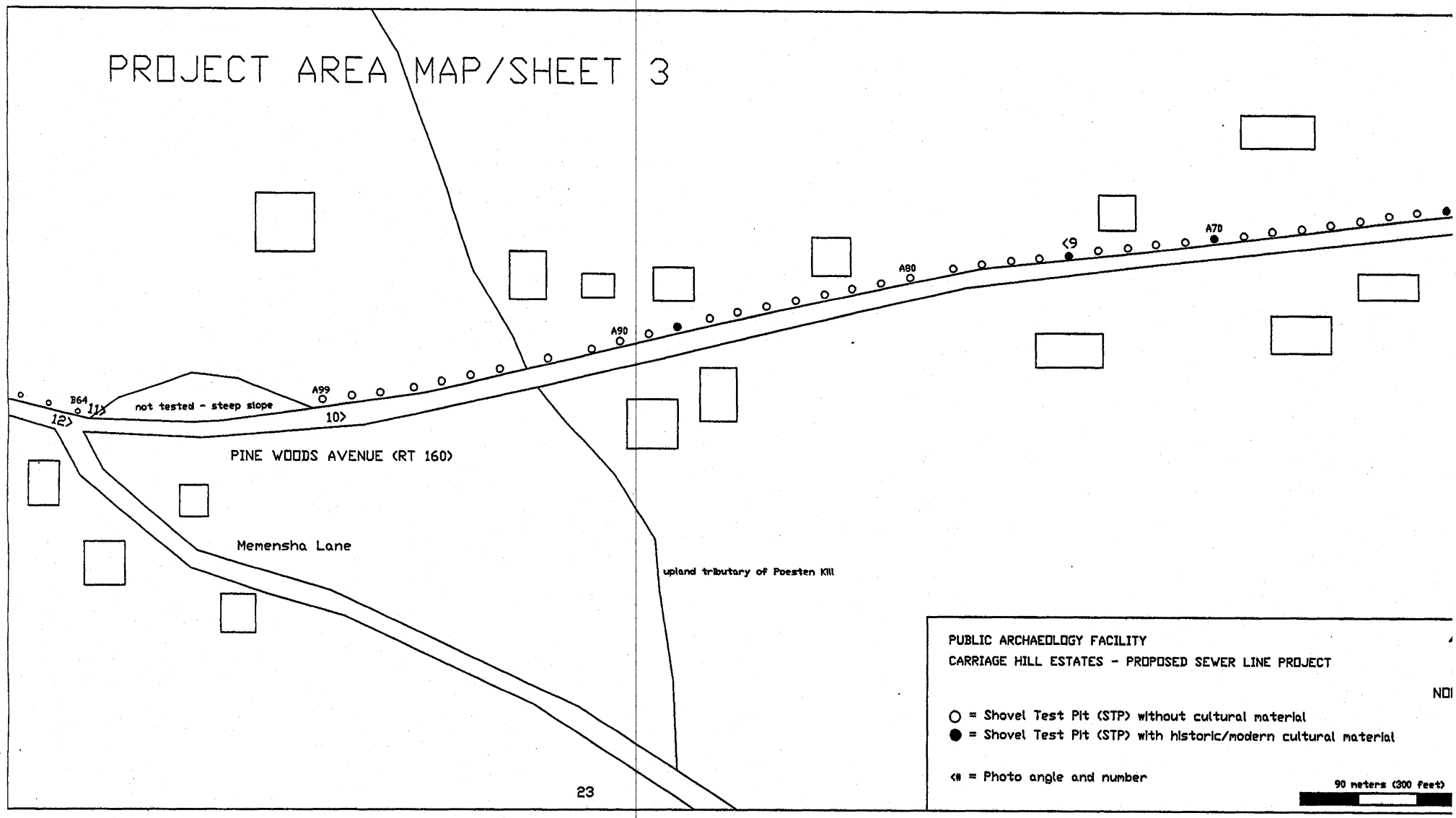
<# = Photo angle and number

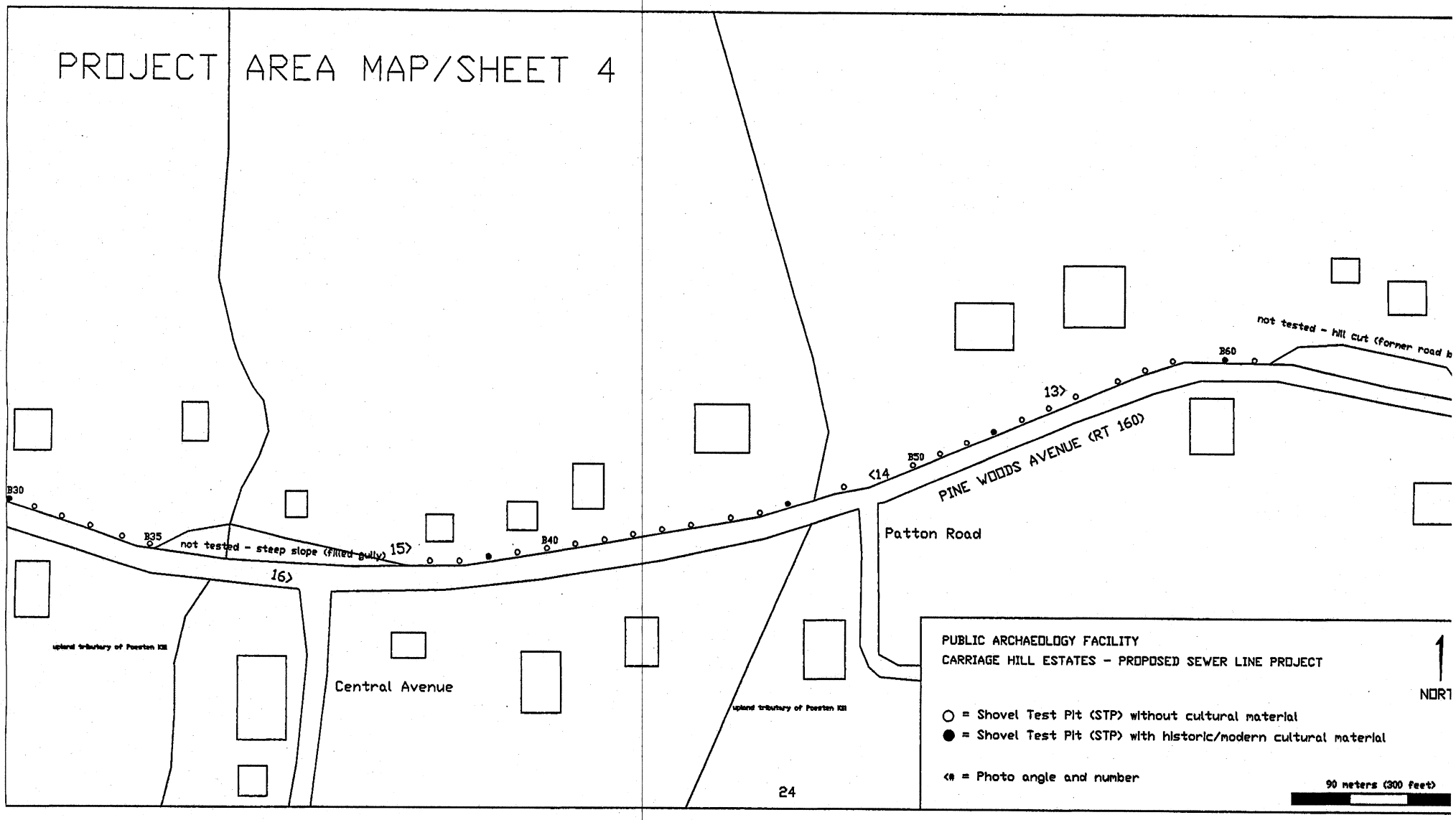
90 meters (300 feet)

PROJECT AREA MAP/SHEET 2

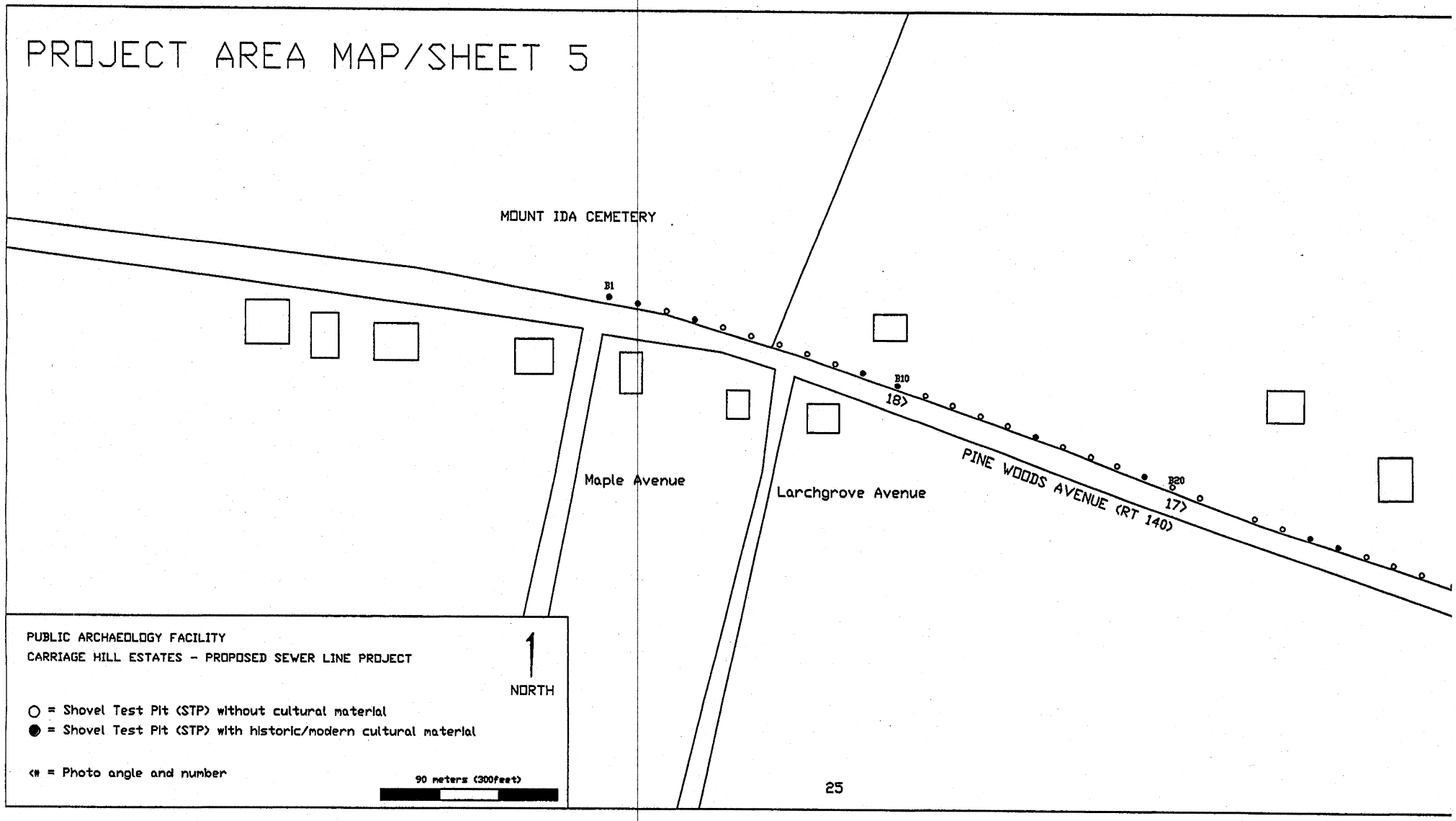


PROJECT AREA MAP/SHEET 3




PROJECT AREA MAP/SHEET 4
B30
B35
not tested - steep slope (filled gully)
15>
16>
B40
<14
B50
13>
B60
not tested - hill cut (former road b
PINE WOODS AVENUE (RT 160)
Patton Road
Central Avenue
upland tributary of Poesten Kill
upland tributary of Poesten Kill
24
PUBLIC ARCHAEOLOGY FACILITY
CARRIAGE HILL ESTATES - PROPOSED SEWER LINE PROJECT
NORT
○ = Shovel Test Pit (STP) without cultural material
● = Shovel Test Pit (STP) with historic/modern cultural material
<# = Photo angle and number
90 meters (300 feet)

PROJECT AREA MAP/SHEET 5



ATTACHMENT F: STP SOIL RECORDS

PA=PALE LT=LIGHT MD=MEDIUM DK=DARK
BL=BLUE BR=BROWN GR=GRAY YL=YELLOW OL=OLIVE TN=TAN RD=RED BK=BLACK WH=WHITE
SI=SILT SA=SAND CL=CLAY LO=LOAM GVL=GRAVEL
P=PREHISTORIC H=HISTORIC N=NO CULTURAL MATERIAL
DISC.=DISCARDED

STP	LEV	DEPTH	SOIL DESCRIPTION	CM	CREW	DATE
A 1	1	0-18	Br Si Lo	N	AN/GD	05/12/05
A 1	2	18-37	Yl Br Sa Si W/Rocks	N	AN/GD	05/12/05
A 2	1	0-12	Md Br Sa Si Lo W/Gvl	N	JM/RW	05/12/05
A 2	2	12-24	Yl Br Compact Sa Si W/Rocks & Gvl; Stopped By Rocks	N	JM/RW	05/12/05
A 3	1	0-10	Md Br Sa Si Lo	H	JM/RW	05/12/05
A 3	2	10-30	Yl Br Sa Si	N	JM/RW	05/12/05
A 4	1	0-26	Br Si Lo	N	AN/GD	05/12/05
A 4	2	26-32	Yl Br Sa Si W/Rocks	N	AN/GD	05/12/05
A 5	1	0-17	Md Br Sa Si Lo W/Roots; Plastic Disc.	N	JM/RW	05/12/05
A 5	2	17-40	Lt Br Sa Si W/Roots; Stopped By Roots	N	JM/RW	05/12/05
A 6	1	0-16	Br Sa Lo	N	AN/GD	05/12/05
A 6	2	16-38	Yl Br Sa Si	N	AN/GD	05/12/05
A 7	1	0-25	Md Br Sa Si Lo; Brick, Cigarette Filter Disc.	N	JM/RW	05/12/05
A 7	2	25-31	Md Br Sa Si Lo	N	JM/RW	05/12/05
A 7	3	31-50	Yl Br Sa Si	N	JM/RW	05/12/05
A 8	1	0-25	Br Si Lo	N	AN/GD	05/12/05
A 8	2	25-40	Br Si Lo	N	AN/GD	05/12/05
A 8	3	40-46	Yl Br Sa Si W/Rocks	N	AN/GD	05/12/05
A 9	1	0-10	Md Br Sa Si Lo; Fill; Glass Disc.	N	JM/RW	05/12/05
A 9	2	10-25	Md Br Sa W/Gvl; Fill	N	JM/RW	05/12/05
A 9	3	25-46	Yl Br Sa Si	N	JM/RW	05/12/05
A 10	1	0-13	Br Sa Si	N	AN/GD	05/12/05
A 10	2	13-34	Yl Br Sa Si W/Rocks	N	AN/GD	05/12/05
A 11	1	0-25	Md Br Sa Si Lo; Asphalt Disc.	N	JM/RW	05/12/05
A 11	2	25-31	Md Br Sa Si Lo; Asphalt Disc.	N	JM/RW	05/12/05
A 11	3	31-55	Dk Yl Br Si Cl	N	JM/RW	05/12/05
A 12	1	0-25	Gr Br Sa Si	N	AN/GD	05/12/05
A 12	2	25-50	Gr Br Sa Si	N	AN/GD	05/12/05
A 12	3	50-62	Gr Br Sa Si W/Rocks	N	AN/GD	05/12/05
A 13	1	0-12	Md Br Sa Si Lo; Asphalt, Plastic Disc.	N	JM/RW	05/12/05
A 13	2	12-42	Md Br Si Sa W/Gvl	N	JM/RW	05/12/05
A 14	1	0-70	Br Sa W/Gvl; Fill; Stopped By Rocks	N	AN/GD	05/12/05
A 15	1	0-25	Md Br Sa Si Lo	N	JM/RW	05/12/05
A 15	2	25-45	Yl Br Si Lo	N	JM/RW	05/12/05
A 16	1	0-17	Md Br Sa Si W/Gvl; Asphalt, Coal Disc.	N	JM/RW	05/12/05
A 16	2	17-38	Yl Br Sa W/Rocks & Gvl	N	JM/RW	05/12/05
A 17	1	0-25	Gr Br Sa Si Mottled W/Rd Br Sa Si	N	AN/GD	05/12/05
~~A 17~~	~~2~~	~~25-42~~	~~Gr Br Sa Si Mottled W/Rd Br Sa Si; Stopped By Rocks~~	~~N~~	~~AN/GD~~	~~05/12/05~~
A 18	1	0-25	Md Br Sa Si; Plastic Disc.	N	JM/RW	05/12/05
A 18	2	25-31	Md Br Sa Si	N	JM/RW	05/12/05
A 18	3	31-55	Yl Br Sa Si	N	JM/RW	05/12/05
A 19	1	0-30	Gr Br Sa W/Gvl	N	AN/GD	05/12/05
A 19	2	30-49	Yl Br Sa W/Gvl	N	AN/GD	05/12/05
A 20	1	0-12	Md Br Sa Si Lo; Glass, Foil Disc.	N	JM/RW	05/12/05
A 20	2	12-50	Md Br Si Sa W/Rocks & Gvl; Stopped By Rocks	N	JM/RW	05/12/05
A 21	1	0-25	Md Br Sa Si Lo; Stopped By Rocks	N	JM/RW	05/12/05
A 22	1	0-33	Gr Br Sa Si; Stopped By Rocks	N	AN/GD	05/12/05
A 23	1	0-12	Md Br Sa Si Lo	N	JM/RW	05/12/05
A 23	2	12-35	Md Br Compact Sa Si W/Rocks & Gvl; Fill; Stopped By Rocks	N	JM/RW	05/12/05
A 24	1	0-24	Md Br Si Lo; Pull Tab Disc.; Stopped By Rocks	N	JM/RW	05/12/05
A 25	1	0-41	Br Sa W/Gvl	N	AN/GD	05/12/05
A 25	2	41-60	Yl Br Si Lo	N	AN/GD	05/12/05
A 26	1	0-9	Md Br Sa Si Lo W/Roots	N	JM/RW	05/12/05
A 26	2	9-29	Very Lt Br Sa Si W/Roots; Stopped By Roots	N	JM/RW	05/12/05
A 27	1	0-10	Md Br Sa Si; Plastic Disc.; Fill	N	JM/RW	05/12/05
A 27	2	10-20	Dk Br Sa Si; Asphalt Disc.; Fill	N	JM/RW	05/12/05
A 27	3	20-35	Yl Br Sa Si; Fill	N	JM/RW	05/12/05
A 28	1	0-23	Gr Br Sa Si; Fill; Stopped By Gvl	N	AN/GD	05/12/05
A 29	1	0-24	Br Sa W/Rocks; Plastic Disc.	N	AN/GD	05/12/05
A 29	2	24-36	Yl Br Sa W/Rocks; Stopped By Rocks	N	AN/GD	05/12/05
A 30	1	0-12	Dk Gr Sa	N	JM/RW	05/12/05
A 30	2	12-37	Dk Gr Sa W/Rocks & Gvl	N	JM/RW	05/12/05
A 30	3	37-46	Dk Gr Sa W/Rocks & Gvl; Stopped By Rocks	N	JM/RW	05/12/05
A 31	1	0-33	Gr Br Sa Si W/Roots; Plastic, Rubber, Metal, Glass Disc.; Fill; Stopped By Roots	N	AN/GD	05/12/05
A 32	1	0-15	Md Br Sa Si; Fill; Plastic Disc.	N	JM/RW	05/12/05
A 32	2	15-48	Very Dk Br Sa Si; Fill; Plastic Disc.	N	JM/RW	05/12/05
A 32	3	48-62	Yl Br Si Lo	N	JM/RW	05/12/05
A 33	1	0-22	Yl Br Si Lo	N	AN/GD	05/12/05

STP	LEV	DEPTH	SOIL DESCRIPTION	CM	CREW	DATE
A 33	2	22-49	Dk Gr Br Sa Si; Stopped By Asphalt	N	AN/GD	05/12/05
A 34	1	0-24	Yl Br Sa Cl Si	N	JM/RW	05/12/05
A 34	2	24-40	Gr Br Compact Sa Cl Si W/Rocks; Stopped By Rocks	N	JM/RW	05/12/05
A 35	1	0-12	Dk Br Si Lo	N	AN/GD	05/12/05
A 35	2	12-30	Rd Br Si Lo	N	AN/GD	05/12/05
A 36	1	0-25	Md Br Si Lo; Brick Disc.	N	JM/RW	05/12/05
A 36	2	25-36	Md Br Si Lo Mottled W/Yl Br Si Cl; Brick, Asphalt Disc.	H	JM/RW	05/12/05
A 36	3	36-60	Dk Yl Br Si Lo	N	JM/RW	05/12/05
A 37	1	0-28	Br Sa; Stopped By Roots	N	AN/GD	05/12/05
A 38	1	0-14	Gr Br Sa Si Lo; Plastic Disc.	N	JM/RW	05/12/05
A 38	2	14-36	Md Br Sa Si W/Gvl; Coal Disc.	H	JM/RW	05/12/05
A 38	3	36-53	Lt Br Sa Si W/Gvl	N	JM/RW	05/12/05
A 39	1	0-25	Gr Br Si Lo	N	AN/GD	05/12/05
A 39	2	25-35	Gr Br Si Lo; Stopped By Roots	N	AN/GD	05/12/05
A 40	1	0-25	Gr Br Sa Si Lo; Glass, Plastic, Coal Disc.	N	JM/RW	05/12/05
A 40	2	25-46	Gr Br Sa Si Lo; Brick Disc.; Stopped By Roots	N	JM/RW	05/12/05
A 41		-	Not Dug- In Driveway		AN/GD	05/12/05
A 42	1	0-21	Br Sa W/Gvl; Plastic, Brick Disc.	N	AN/GD	05/12/05
A 42	2	21-40	Yl Br Si Lo	N	AN/GD	05/12/05
A 43	1	0-13	Gr Sa Si Lo	N	JM/RW	05/12/05
A 43	2	13-22	Gr Sa W/Gvl; Fill; Glass, Plastic, Auto Metal, Auto Mud Flap Disc.	N	JM/RW	05/12/05
A 43	3	22-56	Yl Br Sa W/Gvl	N	JM/RW	05/12/05
A 44	1	0-23	Gr Br Sa Si W/Rocks; Fill; Stopped By Rocks	N	AN/GD	05/12/05
A 45		-	Not Dug- In Culvert Fill		AN/GD	05/13/05
A 46	1	0-57	Br Sa W/Gvl; Fill; Plastic Disc.	N	AN/GD	05/13/05
A 46	2	57-65	Yl Br Si Lo	N	AN/GD	05/13/05
A 46	3	65-77	Br Sa W/Gvl	N	AN/GD	05/13/05
A 47	1	0-27	Gr Br Sa Si W/Gvl; Fill; Auto Plastic, Snapple Bottle Disc.	N	JM/RW	05/13/05
A 47	2	27-57	Lt Br Sa Si W/Gvl; Fill; Plastic, Asphalt Disc.	N	JM/RW	05/13/05
A 48	1	0-25	Br Sa Si W/Fill; Plastic, Asphalt, Styrofoam Disc.	N	AN/GD	05/13/05
A 48	2	25-44	Br Sa Si W/Fill; Plastic, Asphalt, Styrofoam Disc.; Stopped By Rocks	N	AN/GD	05/13/05
A 49	1	0-20	Gr Br Sa Si W/Gvl; Asphalt, Modern Beer Bottle Glass Disc.	N	JM/RW	05/13/05
A 49	2	20-35	Lt Br Sa Si; Asphalt Disc.	N	JM/RW	05/13/05
A 49	3	35-70	Very Dk Gr Br Sa; Asphalt Disc.; Stopped By Rocks	H	JM/RW	05/13/05
A 50	1	0-20	Br Sa W/Gvl	N	AN/GD	05/13/05
A 50	2	20-25	Yl Br Si Lo W/Gvl	N	AN/GD	05/13/05
A 50	3	25-54	Very Dk Br Sa W/Gvl	N	AN/GD	05/13/05
A 50	4	54-72	Dk Yl Br Si Cl	N	AN/GD	05/13/05
A 51	1	0-25	Md Gr Sa W/Gvl Mottled W/Lt Br Sa W/Rocks & Gvl; Fill; Beer Bottle Glass, Plastic Disc.	N	JM/RW	05/13/05
A 51	2	25-44	Md Gr Sa W/Gvl Mottled W/Lt Br Sa W/Rocks & Gvl; Fill; Asphalt, Plastic, Brick Disc.; Stopped By Rocks	N	JM/RW	05/13/05
A 52	1	0-20	Gr Br Sa Si; Fill	N	AN/GD	05/13/05
A 52	2	20-46	Yl Br Sa Si; Fill; Glass Disc.; Stopped By Rocks	N	AN/GD	05/13/05
A 53	1	0-20	Md Gr Br Sa Si; Asphalt, Plastic Disc.	N	JM/RW	05/13/05
A 53	2	20-30	Dk Gr Br Sa Si; Asphalt, Coal Disc.	N	JM/RW	05/13/05
A 53	3	30-45	Yl Br Si Cl	N	JM/RW	05/13/05
A 54	1	0-40	Very Dk Br Sa W/Gvl	N	AN/GD	05/13/05
A 54	2	40-57	Yl Br Si Cl Mottled W/Very Dk Br Si Cl	N	AN/GD	05/13/05
A 55		-	Not Dug - Over Culvert		JM/RW	05/13/05
A 56	1	0-12	Md Gr Br Sa Si Lo; Asphalt Disc.	N	JM/RW	05/13/05
A 56	2	12-40	Md Gr Br Sa W/Gvl; Asphalt Disc.	N	JM/RW	05/13/05
A 57	1	0-25	Gr Br Sa Si; Asphalt, Plastic, Rubber, Cigarette Wrapper Disc.	N	AN/GD	05/13/05
A 57	2	25-40	Gr Br Sa Si; Asphalt, Plastic, Rubber, Cigarette Wrapper Disc.	N	AN/GD	05/13/05
A 58	1	0-10	Md Gr Br Sa Si W/Gvl; Plastic, Asphalt Disc.	N	JM/RW	05/13/05
A 58	2	10-17	Ash Lens; Coal, Ash Disc.	N	JM/RW	05/13/05
A 58	3	17-40	Md Br Sa Si W/Gvl	N	JM/RW	05/13/05
A 59	1	0-23	Lt Br Sa Si W/Rocks; Asphalt, Glass, Plastic Disc.; Stopped By Asphalt	N	AN/GD	05/13/05
A 60	1	0-28	Gr Br Sa Si; Fill; Plastic, Styrofoam Disc.; Stopped By Rocks	N	AN/GD	05/13/05
A 61	1	0-14	Gr Br Sa Si Lo	N	JM/RW	05/13/05
A 61	2	14-20	Rd Br Sa Si	N	JM/RW	05/13/05
A 61	3	20-24	Dk Gr Si Sa W/Gvl	N	JM/RW	05/13/05
A 61	4	24-39	Md Gr Br Si Sa W/Gvl	N	JM/RW	05/13/05
A 62	1	0-12	Lt Br Sa Si W/Gvl Fill	N	JM/RW	05/13/05
A 62	2	12-48	Md Gr Br Sa Si W/Gvl Fill; Stopped By Rocks	H	JM/RW	05/13/05
A 63	1	0-32	Lt Br Sa Si W/Gvl	N	AN/GD	05/13/05
A 63	2	32-48	Yl Br Si Lo	N	AN/GD	05/13/05
A 64	1	0-14	Gr Sa Si Lo	N	JM/RW	05/13/05
A 64	2	14-34	Lt Gr Sa Si W/Rocks; Stopped By Rocks	N	JM/RW	05/13/05
A 65	1	0-20	Gr Br Sa Si W/Gvl; Plastic, Asphalt, Rubber Hose Disc.; Stopped By Rocks	N	AN/GD	05/13/05
A 66		-	Not Dug- On Road Shoulder		AN/GD	05/13/05
A 67	1	0-32	Lt Gr Br Sa W/Gvl; Stopped By Asphalt	N	AN/GD	05/13/05
A 68	1	0-10	Lt Gr Br Sa Si W/Roots	N	JM/RW	05/13/05
A 68	2	10-30	Yl Br Sa Si W/Roots	N	JM/RW	05/13/05
A 69	1	0-21	Br Sa Si W/Gvl; Fill	N	AN/GD	05/13/05
A 70	1	0-25	Lt Gr Br Si Lo	H	JM/RW	05/13/05
A 70	2	25-35	Lt Gr Br Si Lo	N	JM/RW	05/13/05
A 70	3	35-50	Yl Br Si Lo	N	JM/RW	05/13/05

STP	LEV	DEPTH	SOIL DESCRIPTION	CM	CREW	DATE
A 71	1	0-43	Br Sa	N	AN/GD	05/13/05
A 71	2	43-58	Yl Br Sa Lo W/Gvl	N	AN/GD	05/13/05
A 72	1	0-12	Md Gr Sa Si Lo	N	JM/RW	05/13/05
A 72	2	12-27	Dk Gr Sa Si W/Gvl	N	JM/RW	05/13/05
A 72	3	27-54	Dk Gr Sa Si W/Gvl Mottled W/Lt Br Sa Si W/Rocks; Stopped By Rocks	N	JM/RW	05/13/05
A 73	1	0-20	Gr Br Sa Si; Pull Tab, Asphalt, Mortar Disc.; Stopped By Roots	N	AN/GD	05/13/05
A 74	1	0-34	Lt Br Si Lo	N	AN/GD	05/13/05
A 74	2	34-50	Yl Br Si Lo	N	AN/GD	05/13/05
A 75	1	0-25	Md Br Compact Si Lo	H	JM/RW	05/13/05
A 75	2	25-40	Yl Br Compact Si Lo	N	JM/RW	05/13/05
A 76	1	0-23	Lt Br Si Lo W/Gvl; Stopped By Rocks	N	AN/GD	05/13/05
A 77	1	0-9	Md Br Si Lo	N	JM/RW	05/13/05
A 77	2	9-27	Lt Br Sa Si W/Rocks & Gvl	N	JM/RW	05/13/05
A 78	1	0-25	Lt Br Si W/Rocks	N	AN/GD	05/13/05
A 78	2	25-33	Yl Br Si Lo W/Rocks; Stopped By Rocks	N	AN/GD	05/13/05
A 79	1	0-25	Md Gr Br Si Lo W/Rocks; Stopped By Rocks; Asphalt Disc.	N	JM/RW	05/13/05
A 80	1	0-29	Md Br Sa W/Roots & Gvl; Stopped By Roots	N	JM/RW	05/13/05
A 81	1	0-33	Dk Br Si Lo W/Rocks & Roots; Stopped By Rocks	N	AN/GD	05/13/05
A 82	1	0-25	Md Br Sa Si W/Gvl; Modern Beer Bottle Glass Disc.	N	JM/RW	05/13/05
A 82	2	25-37	Md Br Sa Si W/Gvl; Modern Beer Bottle Glass Disc.; Stopped By Rocks	N	JM/RW	05/13/05
A 83	1	0-23	Br Sa; Stopped By Roots	N	AN/GD	05/13/05
A 84	1	0-10	Gr Br Sa Si Lo W/Roots; Asphalt Disc.	N	JM/RW	05/13/05
A 84	2	10-29	Gr Br Sa Si Lo W/Roots; Stopped By Roots	N	JM/RW	05/13/05
A 85	1	0-25	Dk Br Si Lo W/Rocks & Roots; Stopped By Roots	N	AN/GD	05/13/05
A 86	1	0-20	Md Br Sa Si	N	JM/RW	05/13/05
A 86	2	20-35	Yl Br Sa Si	N	JM/RW	05/13/05
A 87	1	0-21	Lt Br Si Lo W/Gvl	N	AN/GD	05/13/05
A 87	2	21-37	Yl Br Compact Si Lo	N	AN/GD	05/13/05
A 88	1	0-12	Md Gr Br Sa Si Lo	H	JM/RW	05/13/05
A 88	2	12-28	Yl Br Very Compact Cl Si W/Rocks	N	JM/RW	05/13/05
A 89	1	0-15	Gr Br Si Lo; Fill	N	AN/GD	05/13/05
A 89	2	15-30	Lt Yl Br Si Lo; Fill	N	AN/GD	05/13/05
A 90	1	0-25	Lt Br Sa Si W/Rocks; Concrete Disc.	N	JM/RW	05/13/05
A 90	2	25-40	Lt Br Sa Si W/Rocks; Stopped By Rocks	N	JM/RW	05/13/05
A 91	1	0-20	Br Sa	N	AN/GD	05/13/05
A 91	2	20-39	Yl Br Sa W/Rocks	N	AN/GD	05/13/05
A 92	1	0-26	Lt Br Very Compact Sa Si W/Rocks; Stopped By Rocks	N	JM/RW	05/13/05
A 93		-	Not Dug- Next To Gas & Telephone Lines	N	AN/GD	05/13/05
A 94	1	0-25	Very Dk Br Sa Si	N	JM/RW	05/13/05
A 94	2	25-45	Very Dk Br Sa Si; Modern Beer Bottle Cap, Plastic Disc.; Stopped By Rocks	N	JM/RW	05/13/05
A 95	1	0-30	Gr Br Sa W/Fill; Foil, Plastic, Styrofoam Disc.	N	AN/GD	05/13/05
A 96	1	0-21	Br Sa W/Gvl; Wrapper, Plastic Disc.	N	AN/GD	05/13/05
A 96	2	21-39	Dk Yl Br Sa W/Gvl	N	AN/GD	05/13/05
A 97	1	0-31	Dk Gr Gvl Mottled W/ Lt Gr Gvl & Md Br Gvl; W/Rocks; Asphalt Disc.; Stopped By Rocks; Road Berm	N	JM/RW	05/13/05
A 98	1	0-15	Dk Br Si Lo; Fill; Asphalt, Styrofoam Disc.	N	AN/GD	05/13/05
A 98	2	15-20	Gr Sa Si; Fill	N	AN/GD	05/13/05
A 99	1	0-20	Very Dk Gr Br Sa Si; Asphalt Disc.	N	JM/RW	05/13/05
A 99	2	20-45	Dk Yl Br Sa	N	JM/RW	05/13/05
B 1	1	0-30	Md Gr Br Sa Si W/Rocks; Plastic, Asphalt Disc.	H	RS/DK	05/16/05
B 1	2	30-50	Yl Br Si Sa	N	RS/DK	05/16/05
B 2	1	0-23	Gr Br Sa Si W/Gvl; Fill; Asphalt, Cinders Disc.	H	GP/GD	05/16/05
B 2	2	23-39	Strong Br Sa Si W/Gvl; Fill	N	GP/GD	05/16/05
B 3	1	0-13	Gr Br Si Sa; Plastic Disc.	N	GP/GD	05/16/05
B 3	2	13-16	Gr Sa	N	GP/GD	05/16/05
B 3	3	16-31	Yl Br Si Sa	N	GP/GD	05/16/05
B 4	1	0-17	Dk Br Sa Si; Plastic, Coal Disc.	H	RS/DK	05/16/05
B 4	2	17-41	Yl Br Sa Si	N	RS/DK	05/16/05
B 5	1	0-18	Gr Br Sa Si; Glass, Asphalt Disc.; Fill	N	GP/GD	05/16/05
B 5	2	18-40	Strong Br Sa; Fill	N	GP/GD	05/16/05
B 6	1	0-20	Dk Br Sa Si W/Rocks	N	RS/DK	05/16/05
B 6	2	20-40	Yl Br Sa	N	RS/DK	05/16/05
B 7	1	0-30	Dk Br Si Sa	N	GP/GD	05/16/05
B 7	2	30-45	Dk Yl Br Sa	N	GP/GD	05/16/05
B 8	1	0-10	Dk Br Si Sa	N	RS/DK	05/16/05
B 8	2	10-45	Dk Yl Br Sa; Asphalt Disc.	N	RS/DK	05/16/05
B 9	1	0-12	Br Sa Si; Charcoal Disc.	H	GP/GD	05/16/05
B 9	2	12-25	Strong Br Sa Si; Fill	N	GP/GD	05/16/05
B 10	1	0-10	Dk Br Si Sa	H	RS/DK	05/16/05
B 10	2	10-26	Yl Br Sa Mottled W/Yl Br Cl	N	RS/DK	05/16/05
B 11	1	0-13	Md Br Si Sa Lo; Plastic Disc.	N	GP/GD	05/16/05
B 11	2	13-27	Yl Br Sa Mottled W/Br Si Sa	N	GP/GD	05/16/05
B 11	3	27-41	Dk Yl Br Sa	N	GP/GD	05/16/05
B 12	1	0-10	Dk Br Si Sa; Brick Disc.	N	RS/DK	05/16/05
B 12	2	10-21	Yl Br Sa Si W/Gvl	N	RS/DK	05/16/05
B 12	3	21-47	Dk Yl Br Sa Si	N	RS/DK	05/16/05
B 13	1	0-20	Dk Br Sa W/Fill; Plastic Disc.	N	GP/GD	05/16/05

STP	LEV	DEPTH	SOIL DESCRIPTION	CM	CREW	DATE
B 13	2	20-33	Lt Gr Br Sa W/Fill	N	GP/GD	05/16/05
B 14	1	0-26	Gr Br Sa; Plastic Disc.; Fill	N	GP/GD	05/16/05
B 14	2	26-56	Dk Br Humus Si Lo; Fill	N	GP/GD	05/16/05
B 15	1	0-20	Dk Br Si Lo W/Rocks & Roots; Plastic Straw, Plastic Bottle Cap Disc.	H	RS/DK	05/16/05
B 15	2	20-37	Yl Br Si Lo	N	RS/DK	05/16/05
B 16	1	0-20	Md Br Sa Si Lo W/Gvl	N	SK/JM	05/16/05
B 16	2	20-40	Yl Br Sa Si Lo W/Gvl	N	SK/JM	05/16/05
B 17	1	0-15	Md Br Sa Si Lo; Glass Disc.	N	SK/JM	05/16/05
B 17	2	15-35	Yl Br Sa Si Lo	N	SK/JM	05/16/05
B 18	1	0-25	Strong Br Si Sa Lo	N	GP/GD	05/16/05
B 18	2	25-40	Strong Br Si Sa Lo	N	GP/GD	05/16/05
B 18	3	40-47	Dk Yl Sa W/Rocks & Roots; Stopped By Rocks & Roots	N	GP/GD	05/16/05
B 19	1	0-13	Dk Br Si Lo; Black Leather Purse Disc.	N	RS/DK	05/16/05
B 19	2	13-37	Dk Yl Br Si Lo; Metal Slag, Styrofoam Disc.	H	RS/DK	05/16/05
B 19	3	37-50	Yl Br Si Lo W/Gvl	N	RS/DK	05/16/05
B 20	1	0-25	Dk Br Sa Si Lo W/Roots & Gvl; Modern Glass, Plastic Disc.	N	SK/JM	05/16/05
B 20	2	25-40	Dk Br Sa Si Lo W/Roots & Gvl; Modern Glass, Plastic Disc.	N	SK/JM	05/16/05
B 20	3	40-55	Yl Br Sa Cl W/Gvl	N	SK/JM	05/16/05
B 21	1	0-33	Gr Br Sa W/Gvl; Fill; Coal, Brick, Asphalt Disc.; Stopped By Rocks	N	GP/GD	05/16/05
B 22	1	0-25	Dk Br Sa Si Lo	N	SK/JM	05/16/05
B 22	2	25-45	Dk Yl Br Sa Si Lo	N	SK/JM	05/16/05
B 23	1	0-25	Md Br Si Lo	N	GP/GD	05/16/05
B 23	2	25-46	Md Br Si Lo	N	GP/GD	05/16/05
B 23	3	46-59	Dk Yl Br Si	N	GP/GD	05/16/05
B 24	1	0-25	Br Si Lo; Coal, Slag Disc.	N	SK/JM	05/16/05
B 24	2	25-50	Br Si Lo; Coal, Slag Disc.	H	SK/JM	05/16/05
B 24	3	50-65	Yl Br Si Lo W/Gvl	N	SK/JM	05/16/05
B 25	1	0-10	Br Si Lo W/Rocks & Roots	H	RS/DK	05/16/05
B 25	2	10-30	Dk Yl Br Si Lo W/Rocks	H	RS/DK	05/16/05
B 25	3	30-56	Yl Br Si Sa	N	RS/DK	05/16/05
B 26	1	0-33	Br Si Lo; Asphalt, Plastic, Coal, Ash, Metal Disc.; Stopped By Rocks	N	GP/GD	05/16/05
B 27	1	0-7	Dk Br Si Lo	N	SK/JM	05/16/05
B 27	2	7-15	Dk Yl Br Si Lo	N	SK/JM	05/16/05
B 27	3	15-40	Very Dk Br Sa Si Lo; Brick, Plastic Disc.	N	SK/JM	05/16/05
B 27	4	40-55	Very Dk Br Sa Si Lo; Brick Disc.	N	SK/JM	05/16/05
B 27	5	55-75	Yl Br Sa Si Lo	N	SK/JM	05/16/05
B 28	1	0-12	Md Br Si Sa Lo	N	GP/GD	05/16/05
B 28	2	12-16	Yl Br Si Sa	N	GP/GD	05/16/05
B 28	3	16-38	Md Br Si	N	GP/GD	05/16/05
B 29	1	0-20	Md Br Sa Lo	N	SK/JM	05/16/05
B 29	2	20-50	Dk Gr Si Cl Lo W/Gvl	N	SK/JM	05/16/05
B 29	3	50-55	Yl Br Si Cl Lo W/Gvl	N	SK/JM	05/16/05
B 30	1	0-11	Dk Br Si Lo; Coal, Glass Disc.	N	RS/DK	05/16/05
B 30	2	11-33	Dk Yl Br Si Lo W/Gvl	H	RS/DK	05/16/05
B 30	3	33-47	Dk Yl Br Si Cl	N	RS/DK	05/16/05
B 31	1	0-6	Dk Br Humus Si Lo	N	GP/GD	05/16/05
B 31	2	6-23	Lt Ol Br Sa Si	N	GP/GD	05/16/05
B 32	1	0-25	Very Dk Gr Br Si Sa; Plastic Disc.	N	SK/JM	05/16/05
B 32	2	25-45	Very Dk Gr Br Si Sa	N	SK/JM	05/16/05
B 32	3	45-65	Dk Yl Br Si Sa	N	SK/JM	05/16/05
B 33		-	Not Dug Due To Slope		SK/JM	05/16/05
B 34		-	Not Dug Due To Slope		SK/JM	05/16/05
B 35		-	Not Dug Due To Slope		SK/JM	05/16/05
B 36	1	0-65	Gr Br Si Lo	N	GP/GD	05/16/05
B 36	2	65-70	Yl Br Si Lo W/Rocks; Stopped By Rocks	N	GP/GD	05/16/05
B 37	1	0-20	Md Br Si Lo W/Gvl	N	SK/JM	05/16/05
B 37	2	20-45	Yl Br Si Lo W/Gvl	N	SK/JM	05/16/05
B 38	1	0-10	Dk Br Si Lo W/Gvl	H	RS/DK	05/16/05
B 38	2	10-30	Yl Br Si Sa W/Rocks	N	RS/DK	05/16/05
B 39	1	0-15	Dk Br Sa Si Lo	N	SK/JM	05/16/05
B 39	2	15-40	Dk Yl Br Si Sa	N	SK/JM	05/16/05
B 40	1	0-7	Dk Br Humus Si Lo; Metal Disc.	N	GP/GD	05/16/05
B 40	2	7-14	Lt Ol Br Sa Si	N	GP/GD	05/16/05
B 40	3	14-28	Buried A	N	GP/GD	05/16/05
B 40	4	28-33	Lt Ol Br Sa Si	N	GP/GD	05/16/05
B 41	1	0-20	Br Sa Lo W/Gvl	N	SK/JM	05/16/05
B 41	2	20-45	Coarse Sand Mottled W/Gvl	N	SK/JM	05/16/05
B 42	1	0-27	Dk Br Si Lo W/Gvl; Asphalt Disc.	N	RS/DK	05/16/05
B 42	2	27-37	Dk Br Si Lo W/Asphalt; Brick, Asphalt Disc.	N	RS/DK	05/16/05
B 42	3	37-49	Dk Yl Br Si Cl	N	RS/DK	05/16/05
B 43	1	0-29	Dk Br Si Sa Lo; Plastic, Asphalt, Glass Disc.	N	GP/GD	05/16/05
B 43	2	29-43	Dk Yl Br Sa W/Gvl	N	GP/GD	05/16/05
B 44	1	0-20	Very Dk Gr Br Sa Si; Asphalt Disc.; Stopped By Asphalt	N	SK/JM	05/16/05
B 45	1	0-20	Br Sa W/Gvl; Plastic Disc.	N	SK/JM	05/16/05
B 45	2	20-40	Lt Br Sa W/Gvl	N	SK/JM	05/16/05
B 46	1	0-20	Dk Gr Sa Si W/Gvl; Plastic, Brick, Cinder, Coal Disc.	N	GP/GD	05/16/05
B 46	2	20-28	Crushed Cinder Fill W/Gvl	N	GP/GD	05/16/05

STP	LEV	DEPTH	SOIL DESCRIPTION	CM	CREW	DATE
B 47	1	0-25	Very Dk Br Sa Si	N	SK/JM	05/16/05
B 47	2	25-35	Very Dk Br Sa Si	N	SK/JM	05/16/05
B 47	3	35-60	Yl Br Sa Si	N	SK/JM	05/16/05
B 48	1	0-30	Dk Br Sa Si W/Roots & Gvl	H	RS/DK	05/16/05
B 48	2	30-50	Dk Yl Br Si Lo W/Roots	N	RS/DK	05/16/05
B 49	1	0-25	Dk Br Si Sa Lo; Plastic Disc.	N	GP/GD	05/16/05
B 49	2	25-40	Dk Yl Br Si Sa W/Gvl	N	GP/GD	05/16/05
B 50	1	0-20	Br Sa Si W/Gvl	N	SK/JM	05/16/05
B 50	2	20-45	Yl Br Sa Si W/Gvl	N	SK/JM	05/16/05
B 51	1	0-17	Dk Br Sa Si; Glass Disc.	N	SK/JM	05/16/05
B 51	2	17-45	Yl Br Sa Si	N	SK/JM	05/16/05
B 52	1	0-28	Dk Br Humus Si Lo; Plastic Disc.; Stopped By Roots	N	GP/GD	05/16/05
B 53	1	0-25	Dk Br Si Lo W/Gvl	H	RS/DK	05/16/05
B 53	2	25-49	Dk Br Si Lo W/Gvl; Stopped By Roots	N	RS/DK	05/16/05
B 54	1	0-25	Br Sa Si W/Gvl	N	GP/GD	05/16/05
B 54	2	25-50	Br Sa Si W/Gvl	N	GP/GD	05/16/05
B 54	3	50-65	Yl Br Si Sa	N	GP/GD	05/16/05
B 55	1	0-22	Br Si Lo W/Gvl	N	SK/JM	05/16/05
B 55	2	22-40	Dk Yl Br Si Lo W/Gvl	N	SK/JM	05/16/05
B 56	1	0-9	Dk Gr Br Sa Si	N	SK/JM	05/16/05
B 56	2	9-35	Md Gr Br Sa Si	N	SK/JM	05/16/05
B 56	3	35-45	Md Gr Br Sa Si	N	SK/JM	05/16/05
B 56	4	45-55	Yl Br Si Lo	N	SK/JM	05/16/05
B 57	1	0-32	Br Si Lo W/Rocks & Roots; Plastic Disc.; Stopped By Roots	N	GP/GD	05/16/05
B 58	1	0-14	Dk Br Si Lo W/Roots	N	RS/DK	05/16/05
B 58	2	14-24	Yl Br Si Lo W/Roots; Stopped By Roots	N	RS/DK	05/16/05
B 59	1	0-25	Br Sa Lo W/Gvl	N	SK/JM	05/16/05
B 59	2	25-45	Lt Br Sa Lo W/Gvl	N	SK/JM	05/16/05
B 60	1	0-13	Very Dk Br Si Lo	N	RS/DK	05/16/05
B 60	2	13-73	Dk Yl Br Si Lo; Coal, Charcoal Disc.	H	RS/DK	05/16/05
B 61	1	0-24	Dk Br Si Sa	N	GP/GD	05/16/05
B 61	2	24-41	Dk Yl Br Si Sa	N	GP/GD	05/16/05
B 62	1	0-25	Br Sa Lo	N	SK/JM	05/16/05
B 62	2	25-45	Lt Br Sa Lo	N	SK/JM	05/16/05
B 63	1	0-13	Br Si Lo W/Gvl; Plastic, Brick, Asphalt Disc.	N	GP/GD	05/16/05
B 63	2	13-33	Ol Br Sa Si Lo W/Gvl	N	GP/GD	05/16/05
B 64	1	0-13	Br Si Lo W/Gvl	N	GP/GD	05/16/05
B 64	2	13-28	Lt Gr Yl Br Si W/Gvl	N	GP/GD	05/16/05

ATTACHMENT G: ARTIFACT CATALOG

STP	LEV	DEPTH	DESCRIPTION	COMMENTS	CT	DATES	CREW	DATE
A 3	1	0-10	Glass Window		1	-	JM/RW	05/12/05
A 36	2	25-36	Ferrous Metal Cut Nail Frag		1	-	JM/RW	05/12/05
A 38	2	14-36	Ferrous Metal Cut Nail Frag		1	-	JM/RW	05/12/05
A 49	3	35-70	Ferrous Metal Undiag.		5	-	JM/RW	05/13/05
A 62	2	12-48	Ferrous Metal Undiag.		3	-	JM/RW	05/13/05
A 70	1	0-25	Ferrous Metal Undiag.		1	-	JM/RW	05/13/05
A 70	1	0-25	Glass Clear Bottle-Unid.		3	-	JM/RW	05/13/05
A 70	1	0-25	Plastic Black Toy	Toy Gun	1	-	JM/RW	05/13/05
A 75	1	0-25	Glass Undifferentiated	Melted	1	-	JM/RW	05/13/05
A 75	1	0-25	Stoneware Undiff. Ceramic		1	1800-1900	JM/RW	05/13/05
A 88	1	0-12	Ferrous Metal Undiag. Nail Frag.		3	-	JM/RW	05/13/05
B 1	1	0-30	Glass Green Undifferentiated Bottle-Unid.		1	-	RS/DK	05/16/05
B 2	1	0-23	Ferrous Metal Cut Nail Frag		1	-	GP/GD	05/16/05
B 2	1	0-23	Glass Amber Undifferentiated Bottle-Unid.	Mend; Base	2	-	GP/GD	05/16/05
B 2	1	0-23	Glass Green Undifferentiated Bottle-Unid.		5	-	GP/GD	05/16/05
B 2	1	0-23	Glass Aqua Undifferentiated Bottle-Unid.		4	-	GP/GD	05/16/05
B 2	1	0-23	Brick		3	-	GP/GD	05/16/05
B 4	1	0-17	Glass Clear Undifferentiated Bottle-Unid.		1	-	RS/DK	05/16/05
B 9	1	0-12	Shell Clam		1	-	GP/GD	05/16/05
B 10	1	0-10	Porcelain Doll	Figurine	1	-	RS/DK	05/16/05
B 10	1	0-10	Glass Undifferentiated Bottle-Unid.		1	-	RS/DK	05/16/05
B 15	1	0-20	Glass Clear Undifferentiated Bottle-Unid.		3	-	RS/DK	05/16/05
B 15	1	0-20	Glass Amber Undifferentiated Bottle-Unid.		2	-	RS/DK	05/16/05
B 19	2	13-37	Glass Green Undifferentiated Bottle-Unid.		1	-	RS/DK	05/16/05
B 19	2	13-37	Glass Clear Undifferentiated Bottle-Unid.		10	-	RS/DK	05/16/05
B 19	2	13-37	Glass Embossed Amber Undifferentiated Bottle-Unid.	"...Half Pint"	12	-	RS/DK	05/16/05
B 24	2	25-50	Whiteware Hand Painted Blue Tableware/Teaware		1	1830-1860	SK/JM	05/16/05
B 24	2	25-50	Ferrous Metal Cut Nail Frag		3	-	SK/JM	05/16/05
B 25	1	0-10	Ferrous Metal Cut Nail Frag		1	-	RS/DK	05/16/05
B 25	1	0-10	Shell Undiag. Shell		2	-	RS/DK	05/16/05
B 25	2	10-30	Glass Clear Undifferentiated Bottle-Unid.		2	-	RS/DK	05/16/05
B 30	2	11-33	Glass Clear Undifferentiated Bottle-Unid.		1	-	RS/DK	05/16/05
B 30	2	11-33	Glass Etched Clear Undifferentiated Bottle-Unid.		1	-	RS/DK	05/16/05
B 38	1	0-10	Glass Amber Undifferentiated Bottle-Unid.		1	-	RS/DK	05/16/05
B 48	1	0-30	Ferrous Metal Screw		1	-	RS/DK	05/16/05
B 48	1	0-30	Glass Amber Undifferentiated Bottle-Unid.		2	-	RS/DK	05/16/05
B 48	1	0-30	Glass Clear Undifferentiated Bottle-Unid.		1	-	RS/DK	05/16/05
B 53	1	0-25	Stoneware Salt Glaze/Alb. Slip Undiff. Ceramic		1	1800-1900	RS/DK	05/16/05
B 60	2	13-73	Ferrous Metal Cut Nail Frag		4	-	RS/DK	05/16/05
B 60	2	13-73	Whiteware Undiff. Ceramic		1	1830-2005	RS/DK	05/16/05
~~B 60~~	~~2~~	~~13-73~~	~~Shell Clam~~		~~1~~	~~-~~	~~RS/DK~~	~~05/16/05~~
B 60	2	13-73	Redware Furnishing/Decorative Flower Pot	Rim	1	-	RS/DK	05/16/05

ATTACHMENT H:
PROJECT AREA PHOTOS

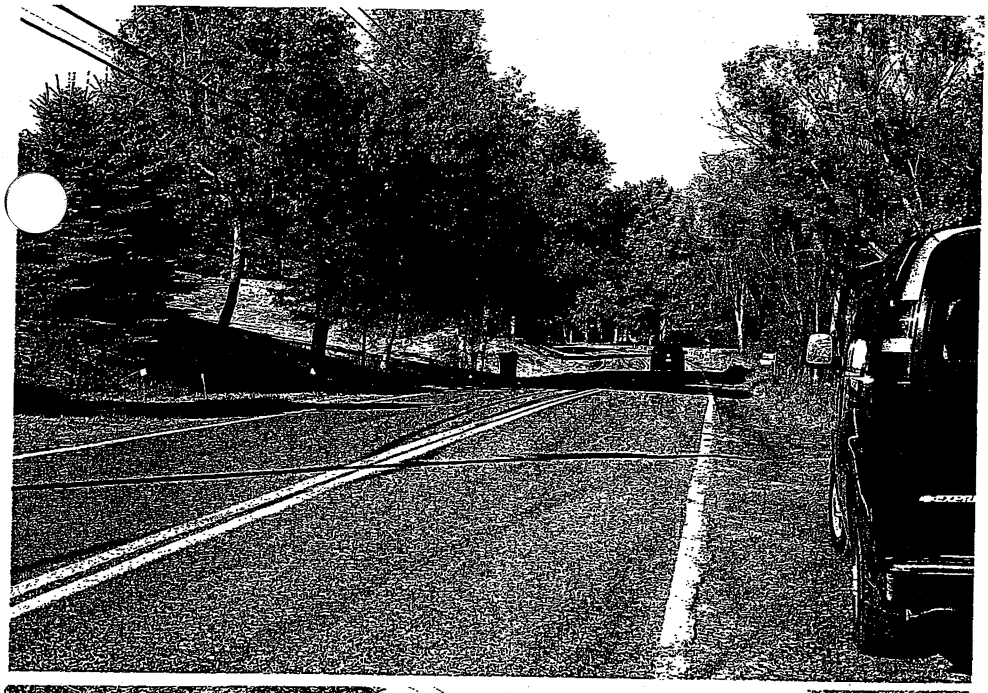


Photo 1. View west along CR 140 from STP A1.

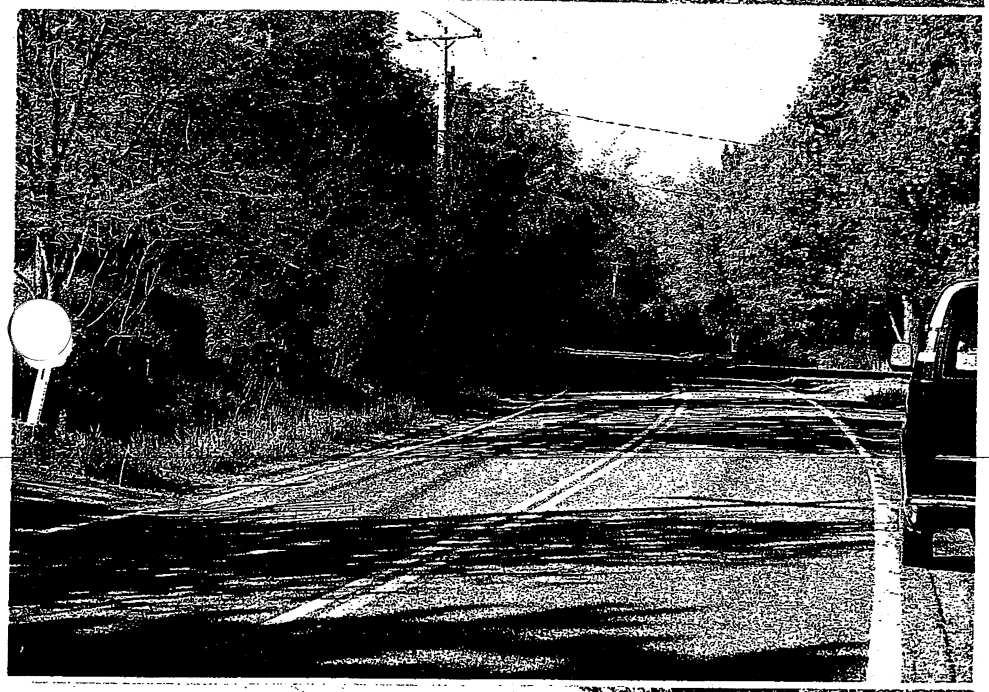


Photo 2. View west along CR 140 from STP A10.

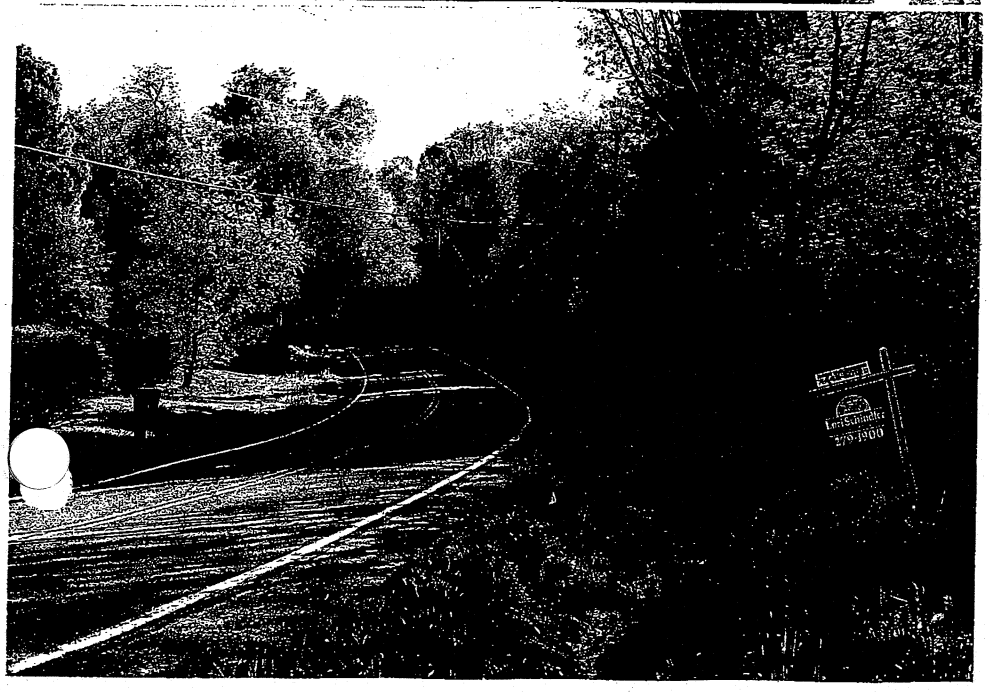


Photo 3. View east along CR 140 from the intersection with Deerfield Lane (note: drainage ditch and landslope).

Photo 4. View west from the intersection of CR 140 and Langstaff Lane.

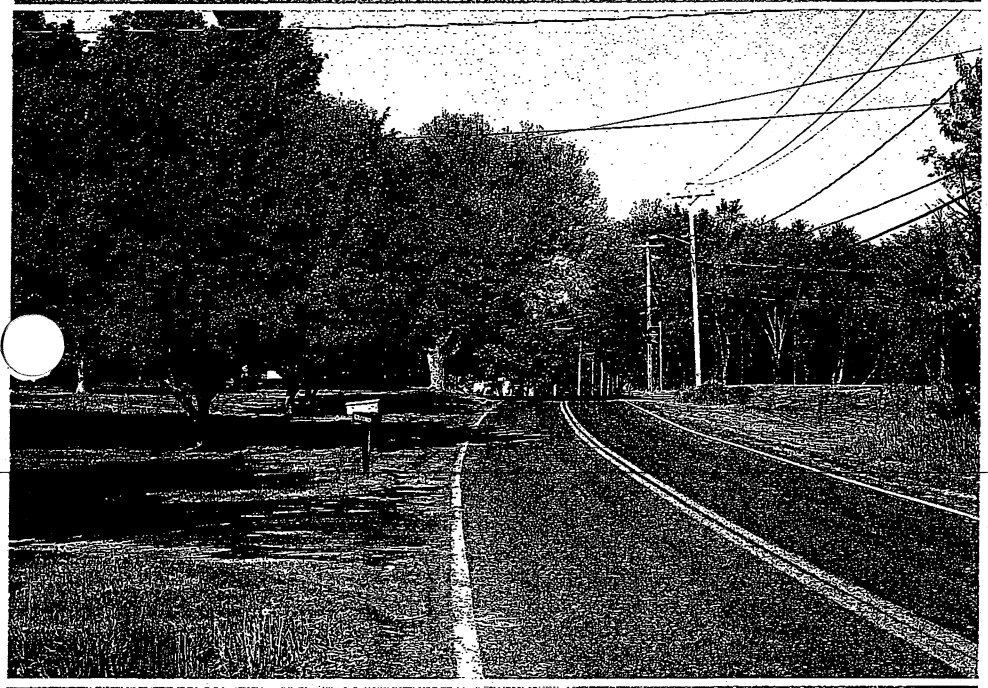


Photo 5. View west from the intersection of CR 140 and Cranston Road.

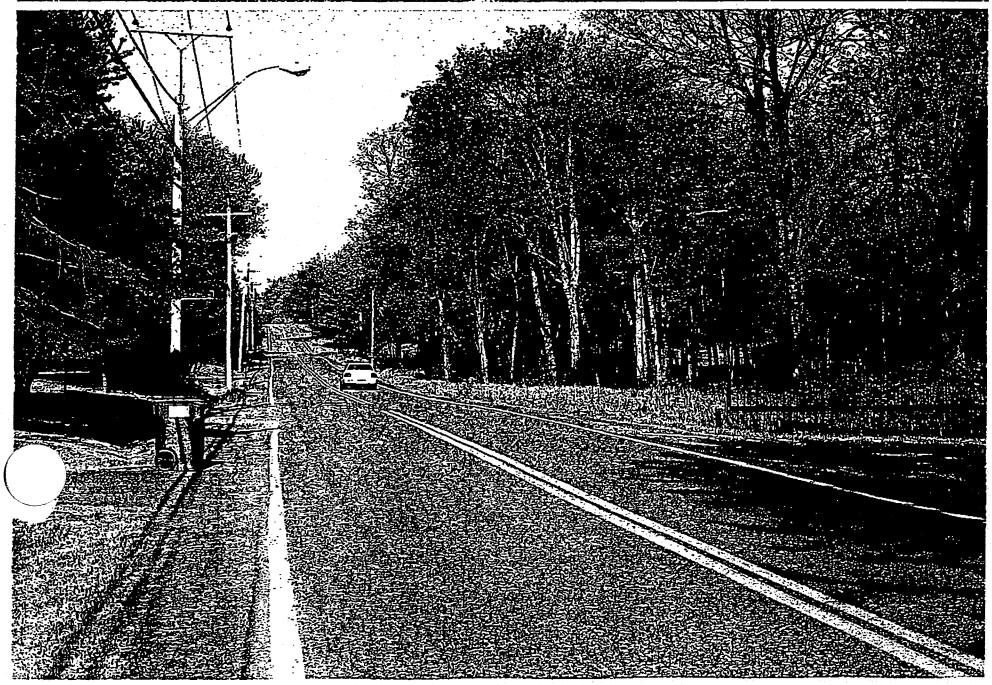


Photo 6. View west from the intersection of CR 140 and Banbury Road.

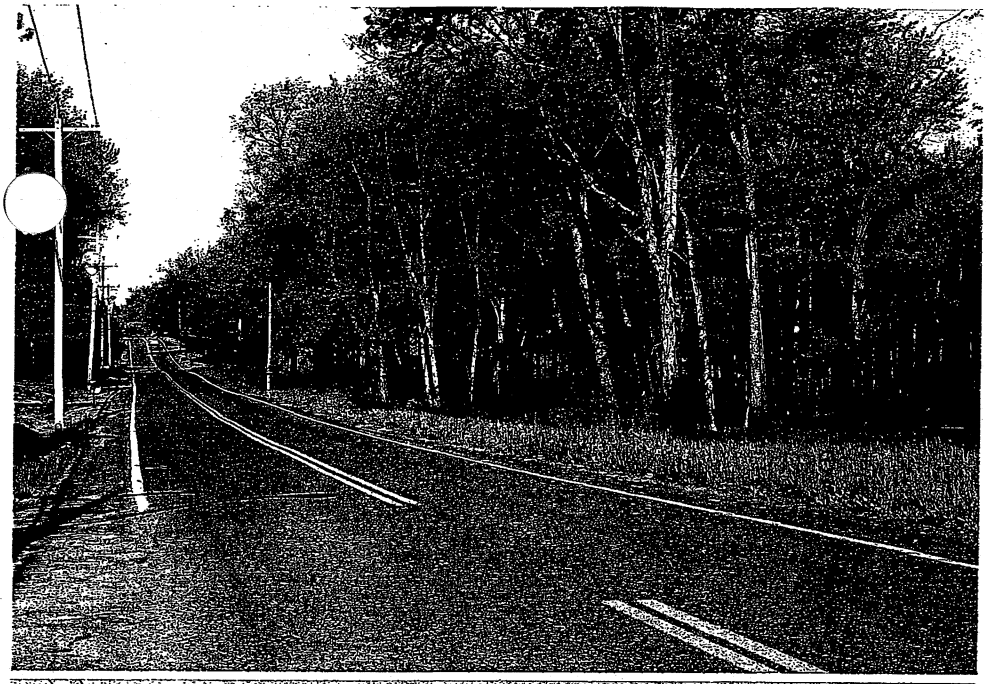


Photo 7. View west along CR 140 from STP A40 (Forest Hills Cemetery to the north).

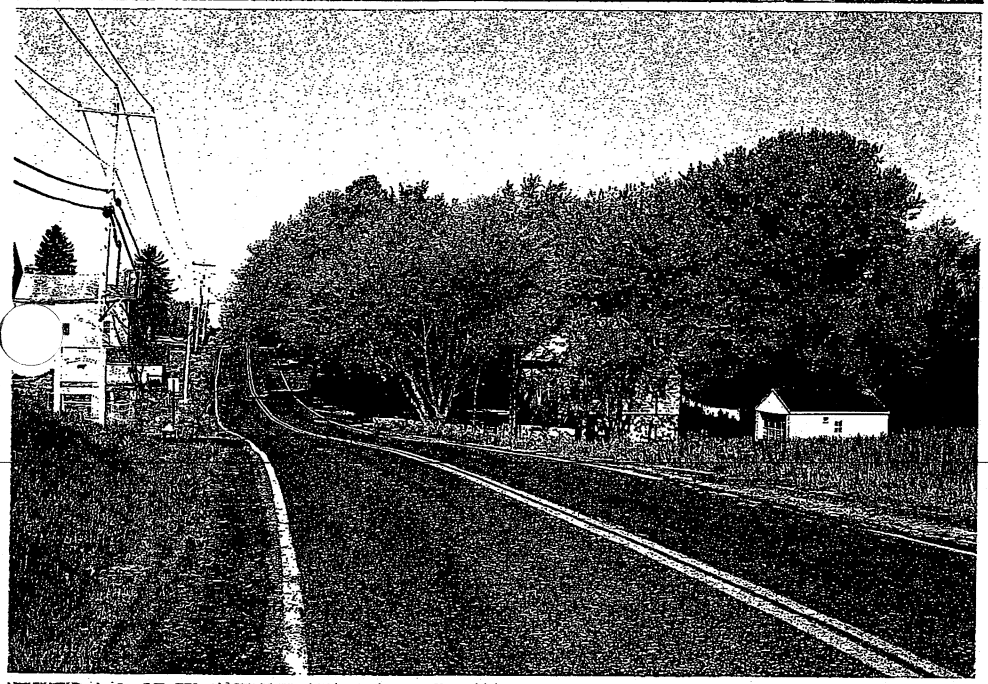


Photo 8. View west along CR 140 from STP A60.

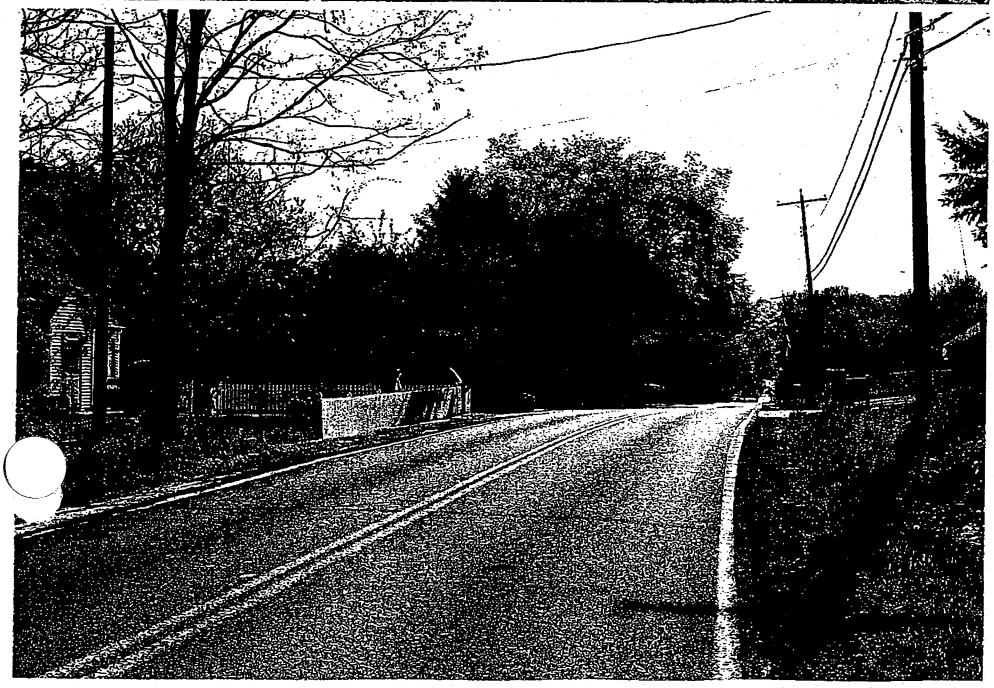


Photo 9. View east along CR 140 from STP A75.

Photo 10. View west along CR 140 from STP A99 toward Memensha Lane (note: severe landslope along northern side of road).

Photo 11. View west along CR 140 from STP B64 (note: former road bed within sewer line corridor).

Photo 12. View west along CR 140 from the intersection with Memensha Lane (note: road cut along northern and southern road edge).

Photo 13. View west along CR 140 from STP B55.

Photo 14. View east along CR 140 from the intersection with Patton Road.

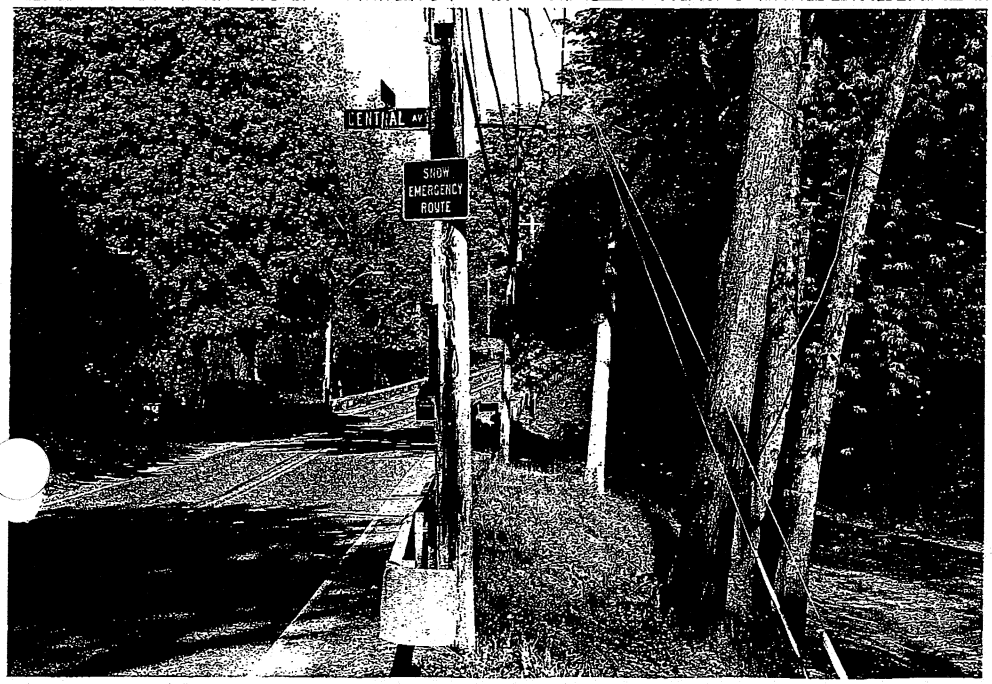


Photo 15. View west along CR 140 from the intersection with Central Avenue (note: severe land slope and gully along sewer line corridor).

Photo 16. View west along CR 140 toward STP B35 (note: road cut within sewer line corridor).

Photo 17. View west along CR 140 from STP B20.

Photo 18. View west along CR 140 from STP B10 toward the intersection with Maple Avenue (Mount Ida Cemetery to the north).

Public Archaeology Facility Report

Binghamton University
State University of New York
Binghamton, New York 13902-6000

REPORT OF FIELD RECONNAISSANCE
PHASE 1B CULTURAL RESOURCE SURVEY

CARRIAGE HILL ESTATES 9-ACRE PARCEL AND
PINEWOODS ALTERNATE SEWER LINE PROJECT
TOWN OF BRUNSWICK
RENSSELAER COUNTY, NEW YORK
MCD 08302

PREPARED BY:

LAURIE E. MIROFF
PUBLIC ARCHAEOLOGY FACILITY
BINGHAMTON UNIVERSITY
BINGHAMTON, NY 13902

PREPARED FOR:

UNITED DEVELOPMENT CORPORATION
80 STATE STREET, 9TH FLOOR
ALBANY, NY 12207

AUGUST 24, 2005

REPORT OF FIELD RECONNAISSANCE
PHASE 1B CULTURAL RESOURCE SURVEY
CARRIAGE HILL ESTATES 9-ACRE PARCEL AND
PINEWOODS ALTERNATE SEWER LINE PROJECT

Permit Applicant: United Development Corporation
80 State Street, 9th Floor
Albany, NY 12207

Location: Town of Brunswick, Rensselaer County, New York
MCD 08302

Report prepared by: Laurie Miroff **Date:** August 24, 2005
Affiliation: Public Archaeology Facility
Binghamton University
Binghamton, New York 13902
(607)777-4786

PROJECT SUMMARY

A Phase 1B cultural resource survey was requested for the proposed Carriage Hill Estates 9-acre Parcel and Pinewoods Alternate Sewer Line Project in the Town of Brunswick, Rensselear County, New York. The proposed development calls for construction of private building lots or smaller carriage home lots. The project also involves an alternate location for the construction of a sewer line on the north side of CR 140 (Pinewoods Avenue) from the Forest Hills Cemetery to approximately 250 m (820 ft) east of Deerfield Drive. The original location was surveyed by PAF in 2005 (Kudrle 2005). Measuring approximately 1,036 m (3,400 ft) in total length, the proposed sewer line will be placed within 1.5 m (5 ft) off the edge of the road's shoulder (in some instances within an existing drainage ditch). The project area is sensitive for archaeological resources according to the general topography and known sites in the region.

Physiographically, Rensselaer County lies within the glaciated Hudson Valley of New York State. Background research indicates that the Hudson Valley region is highly sensitive for archaeological resources. A site files check was conducted for the original Carriage Hill Estates - Sewer Line project (Kudrle 2005). The site files check identified eight prehistoric sites, one site with both prehistoric and historic affiliation, and one site with either prehistoric or historic affiliation (possibly historic Native American) located within approximately 3.2 km (2 mi) of the project areas; many sites are in the uplands along tributaries of Poesten Kill. The prehistoric sites consist mainly of unidentified villages and camps. Sites with temporal affiliation include those dating to the Late Archaic, Transitional, possibly Early Woodland, and Late Woodland. It is unlikely that the project area will contain large prehistoric residential sites. There is a probability that small seasonal camps or resource procurement or processing stations will be found. Nine historic sites are located within approximately 3.2 km (2 mi) of the project areas. The majority of these sites date to the nineteenth century. Four National Register Listed sites were identified adjacent to the project area. There are also eight Inventoried structures within or adjacent to the project area. Historic maps showed one Map Documented Structures (MDSs) in the 3.6 ha (9-acre) parcel. Therefore, this parcel has a moderate historic sensitivity. There are three additional MDSs and a historic standing structure on Pinewoods Avenue along the proposed sewer line project area. Therefore, this project area has a high historic sensitivity. The standing structure is set back from the road, a distance limiting the identification of associated historic sheet middens. Therefore, there is a low probability of finding a historic site adjacent to this property. The MDSs may also have been set back from the road.

Subsurface testing was conducted from August 4 to August 10, 2005. The project area had a low surface visibility on the 3.6 ha (9-acre) parcel and along Pinewoods Avenue due to vegetation. Testing strategies included the excavation of shovel test pits (STPs) placed at 15 m (49 ft) intervals in the 3.6 ha (9-acre) parcel and along CR 140. Archaeologists excavated a total of 181 STPs within the 3.6 ha (9-acre) parcel and 60 STPs along the proposed sewer line. Crews recovered a total of 702 historic artifacts from 35 STPs within the 3.6 ha (9-acre) parcel. One site, the W. J. Stillman site (SUBi-2537), was designated. Archaeologists recovered 661 historic artifacts from the site (Attachment G). The quantity and diversity of these materials, associated with a map documented structure, is great. Artifacts were recovered from as deep as 40 cm (15.75 in) below ground surface. The total site area covers 67.25 by 58.75 m (221 by 193 ft) and encompasses a total area of 3951 m^2 (42,528 ft^2). The site is potentially eligible for the National Register of Historic Places. We recommend avoidance of impacts to the site. If impacts can not be avoided we recommend a Phase 2 Site Examination to determine eligibility. A site examination of the W. J. Stillman site would include excavation of 10-20 1 x 1 m (3 x 3 ft) units. No prehistoric artifacts were identified in the parcel. No prehistoric artifacts were recovered from the proposed sewer line. The single historic artifact from an STP along the proposed sewer line

represents random roadside refuse. Based on the results of the subsurface testing we recommend that the proposed sewer line will have no adverse impact on significant cultural resources. No additional archaeological work is recommended for the proposed sewer line project

Part 1: DOCUMENTARY RESEARCH ADDENDUM SITE IDENTIFICATION

A. Documentary Research Addendum (if needed)

1. . X. Local site inventory checked (specify)

2. ..X.. Division for Historic Preservation/New York State Museum

3. ..... Informants interviewed (name, address, speciality)

4. ..X... Other sources checked (specify)

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Ritchie, Williams A.
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United States Geological Survey
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1928 15 Minute Troy, New York Quadrangle. Reprinted 1945.

1950 15 Minute Troy, New York Quadrangle.

1953 7.5 Minute Troy South, New York Quadrangle (Photorevised 1980).

1995 15 Minute Troy South, New York Quadrangle.

Versaggi, Nina
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2000 An Overview of Prehistoric Settlement Patterns and Landforms in the Northern Appalachians. Paper presented in the symposium *Current Topics in Northeast Geoarchaeology: Glaciated Landscapes* (John Hart and David Cremeens, organizers). New York State Museum, Albany.

Results of Documentary Research: SOILS (adapted from Kudrle 2005)

The proposed Carriage Hill Estates Sewer Line project area is located in the Town of Brunswick, Rensselaer County, along CR 140 in the Hudson Valley of New York State. This physiographic province consists of a north-south oriented gorge flanked to the west by the Catskills and the northern extension of the Appalachians and to the east by the highlands of New England (USDA 1988). In general the microtopography of the valley is characterized by steep valley walls and ridges, some of which reach an elevation of 305 m (1000 ft) ASL, and valley lowlands marked by eroded hills. The lowlands vary from 30-60 m (100-200 ft) above the Hudson River, and therefore the majority of the valley has no real flood plain development. The effect of Pleistocene glaciation within the Hudson Valley is evident in the smooth nature of the surrounding ridges and hills (USDA 1988).

The Hudson River watershed provides the primary drainage for Rensselaer County. Additional drainage is provided by several smaller tributaries which originate in the surrounding uplands. Most notable for the Carriage Hill Estates project area is the Poesten Kill, a meandering Hudson River tributary which originates in the uplands roughly 15 km (9 mi) east of the project areas and merges with the Hudson River at the City of Troy. CR 140 parallels an upland terrace overlooking the Poesten Kill, with the closest meander approximately 500 m (1640 ft) to the north. At least three to four seasonal creeks flow north through steep gullies across the CR 140 corridor from the hills south of the project area.

Located in the uplands east of the City of Troy, elevations for the project area range from approximately 113 m (370 ft) to 143 m (470 ft) ASL (Attachment B.1 and B.2). The soil types within the project area reflect the glacial nature of the region. The USDA soil map (Attachment B.3) indicates the presence of four major soil types within the boundaries of the project area. The soils are described in the following table. These soil types are derived from a combination of glacial till and glacial outwash deposits. Given the upland origin, deeply buried cultural deposits are not expected for the project area and no deep testing strategies are expected.

Table 1. Soil Description

Soil Type	Soil Horizon Depth cm (in)	Color	Texture Inclusions	Slope %	Drainage	Landforms
Riverhead fine sandy loam (RkB)	A: 0- 15 cm (0-6 in) B: 15-89 cm (6-35 in) Substratum: 89-152+ cm (35-60+ in)	Dark greyish brown Upper: yellowish brown Lower: Dark yellowish brown Brown	Fine sandy loam Sandy loam Sandy loam Loose, gravelly loamy sand	3 - 8%	Excellent	Gently sloping, formed in glacial outwash with high sand and gravel content
Pittstown gravelly silt loam (PtB)	A: 0-23 cm (0-9 in) B: 23- 61 cm (9-24 in) Substratum: 61-152+ cm (24-60+in)	Very dark grayish brown Upper: yellowish brown Lower: mottled, light olive brown Mottled, olive	Gravelly silt loam Gravelly silt loam Gravelly silt loam Firm, very brittle, gravelly silt loam	3 - 8%	Moderate	Hilltops, lower hillsides, and hillcrests on uplands
Bernardston gravelly silt loam (BeC); Bernardston gravelly silt loam (BeD)	A: 0-20 cm (0-8 in) B: 20- 76 cm (8-30 in) Substratum: 76-152+ cm (30-60+ in)	Brown Upper: yellowish brown Lower: dark yellowish brown, brown, and dark brown Light olive brown	Gravelly silt loam Gravelly silt loam Gravelly loam Firm, mottled gravelly loam	8 - 15% 15 - 25%	Excellent	Hillsides and hilltops in uplands Hillsides and elongated cigar-shaped hills in uplands
Bernardston-Nassau complex, rolling (BnC)	Bernardston (see above) Nassau: A: 0-18 cm (0 - 7 in) B: 18-38 cm (7-15 in) Substratum: 38+ cm (15 in+)	 Dark brown Yellowish brown ----	 Very shaly silt loam Very shaly loam Folded and fractured shale	5 - 16%	Excellent	Uplands; surface topography controlled by underlying folded shale and slate bedrock

Results of Documentary Research: PREHISTORY

The prehistory of New York State and the Northeast was characterized by two broad subsistence patterns, both of which influenced settlement and land use patterns, as well as material culture. The first, designated as the pre-agricultural hunter/gatherer, is associated with the arrival of highly mobile groups during the Paleo-Indian and Early-Middle Archaic periods around 10,000-4000 BC. Few Paleo-Indian sites have been recorded in the Upper Hudson Valley region (Funk 1976). Ritchie's (1980:4-5) distribution of fluted points across the Northeast places none within Rensselaer County, however, two loci of Paleo-Indian points were identified in neighboring Saratoga and Albany Counties. Although no Pleistocene animal remains have been documented in Rensselaer County, moose, caribou, mastodon, deer, horse, and bison have been found in neighboring counties. This animal may be related to Paleo-Indian activities (Ritchie 1980). These groups were followed by seasonally nomadic hunter gatherers during the Late Archaic through Middle Woodland periods (4000 BC- AD 900), who flourished in the region until the advent of early agriculture in the Late Woodland periods (AD 900-1650). It was during this hunter/gatherer period that human groups relied almost solely on gathered plant resources, fish, and game animals for daily subsistence. Therefore, mobility was fairly high during the pre-agricultural period as groups moved in search of available resources. Hunting and gathering continued to be an important part of the subsistence base during the later agricultural period, but a large part of the daily subsistence was increasingly shifted toward the production and consumption of the maize-beans-squash complex. This subsistence shift led to the development of larger and more sedentary human populations, and the subsequent construction of hamlet and village settlements near agricultural fields.

Prehistoric land use during the Late Archaic, Transitional, Early Woodland, and early portions of the Middle Woodland phases of the pre-agricultural period was based on a logistically organized system where seasonal base camps were established in major river and lake valleys near confluences. From these camps, small groups of foragers roamed the area within a day's walk of the camp procuring and processing resources. Other groups ranged farther out to procure distant resources. During seasons of resource dispersal, the base camp divided into smaller groups who moved frequently to hunt, gather and fish. This type of logistical organization along with seasonal aggregation and dispersal created a variety of site types ranging from large residential camps, to small special purpose camps, to resource processing locations (Versaggi 1996). Prior to the Late Archaic, the limited number of prehistoric groups in central New York foraged on a fairly irregular basis, following the migration of animal herds and flocks, or moving from scattered resource-rich landforms (e.g. upland wetlands). Seasonal occupation of camps was likely a major aspect of this period, with numerous sites noted on lakes and major Hudson River tributaries (Funk 1976:252). It was during the late Middle Woodland that the population of the Northeast began to expand and some of the settlement patterns characteristic of the Late Woodland started to emerge. Late Woodland cultures are characterized by the adoption of horticulture based on maize, beans, and squash and the development of relatively large villages occupied year round. Within the Hudson Valley, there is serious debate about the introduction of and reliance on maize agriculture during the Late Woodland. Recent research (Brumbach and Bender 2002:230-233) suggests that a dependence on maize never occurred and that intensive fishing at productive confluence areas was the factor most responsible for a less mobile settlement strategy. Village sites were selected first for fishing, and secondly for soils that would support cultivated plants. According to this model, large nucleated villages, such as were present during the maize-dependent Owasco, should not be expected. Village plans reflect the development of the matrilineal kin groups characteristic of ethnohistoric groups and differentiation in size between descent groups. Villages are generally located on high terraces and knolls, rather than near drainage basins and waterways. The typical village settings indicate an increased need for defense.

The site file check identified eight prehistoric sites, one site with both prehistoric and historic affiliation, and one site with either prehistoric or historic affiliation (possibly historic Native American) (Attachment C). Sites with cultural affiliation date to Late Archaic and Transitional (NYSM 9023), possibly Early Woodland (A00142.000155; NYSM 2796), and Transitional and Late Woodland (NYSM 1631/A00104.000002) Periods. The prehistoric sites consist mainly of unidentified villages and camps. The majority of identified sites seem to be located in the uplands along tributaries of Poesten Kill. Two sites (A08302.000210 and A08302.000214), lacking any information, but likely dating to the prehistoric period, are located in the vicinity of the 3.6 ha (9-acre) parcel. The Schuyler Flatts site (NYSM 1631/A00104.000002), containing both prehistoric and historic components, is located along the Hudson River and is National Register Listed. The archaeological evidence suggests, though, that prehistoric groups were fully settled in the region from at least the Late Archaic to the Late Woodland periods (3500 BC-AD 1600). One site (A00144.000018), possibly historic Native American, contained reported Native human remains. Materials from sites within the vicinity of the project area include a long chert blade, stone artifacts, pottery, projectile points, storage features, scrapers, and polished slate stones.

Prehistoric Sensitivity Assessment

Using the information gleaned from the environmental context and prehistoric background, prehistoric site sensitivity can be assessed for the project area. The project lies in the uplands above a tributary of Poesten Kill, itself a tributary of the Hudson River. Given the site setting and the traces of occupation found within the vicinity, the probability for identifying prehistoric sites within the project area is high. The types of sites that may be found in this environment include temporary camps and small resource procurement/processing sites. Small temporary camps typically appear as light to moderate density artifact scatters often clustered around small hearths. Resource procurement/processing stations were most likely created by daily foragers and are recognized as light density artifact scatters, usually dominated by expedient tool assemblages (Versaggi 2000). Feature remains (such as hearths or storage pits) usually are not present at lithic scatters given the ephemeral nature of the sites. These sites can provide important information on daily subsistence and land use patterns outside of the better known residential sites.

Results of Documentary Research: HISTORY

The project lies within the Town of Brunswick, Rensselaer County. Rensselaer County was originally settled in the early seventeenth century by Dutch merchant Killiaen Van Rensselaer as part of the Dutch Patroon System. Rensselaer's early settlement encompassed much of present-day Rensselaer, Albany, and Columbia Counties. Early pioneer families were few and far between, but many settled along the Hudson lowlands to subsistence farm, cut timber, and trap. Larger colonial communities to the south included the Cities of Albany and Troy (USDA 1988). Rensselaer County was organized in 1791 and Troy was designated as the county seat. The Town of Brunswick was created from Troy on March 20, 1807 (Anderson 1897:523; Sylvester 1880). The name Brunswick is derived from the name of an early prominent family of the town, the Braunschweigers, or from the nationality of early settlers (Anderson 1897:523). Brunswick was settled at least as early as 1745, but little is known of the first settlers (Anderson 1897). They may, however, have been farmers occupying the hills.

Historic Sensitivity Assessment

Nine historic sites are located within approximately 3.2 km (2 mi) of the project area (Attachment C). The majority of these sites date to the nineteenth century and include the remains of an iron works, an iron foundry, the first commercial laundry in the U.S., the first detachable collar manufacturer in Troy, railroad remains, and the Eagle Four Mill/Planter's Hoe Company. Historic sites also include a late eighteenth-century farm and the 1643 Arent van Curler house. Four National Register Listed sites were identified adjacent to the project area. These include the Emma Willard School (90NR0992), the Henry Koon House (97NR1159), the Upper Burden Iron Works (90NR0980), and the Postenkill Gorge Historic District (90NR0979). Inventoried structure within or adjacent to the project area include the Upper Mill Dam, the Mt. Ida dam, Falls, etc. (a portion of which falls within the NRL Postenkill Gorge District), the Stapleton House, the Henry Koon House, the Emma Willard School, Building 27, the Potwine House, and the Tangeman Apartments.

Three map documented structures (MDSs) were noted along the proposed sewer line on Pinewoods Avenue (Attachment D.1-D.7; Table 2). MDS A is associated with the name J. Hastings on the 1854 Rogerson Map of Rensselaer County. On the next available map, the 1861 Lake and Beers Map, the property is associated with the name N. M. Hastings. Hastings continues to be associated with the structure on the 1876 Beers Map. The property also appears on the 1893 and 1928 topographic maps of Troy. It does not, however, appear on the next available map, the 1950 topographic map. In its place is a cemetery. Two MDSs appear near one another on the 1854 map and are gone by 1861. MDS B is associated with the name A. Buss and MDS C has no associated name. There is also a historic standing structure just west of MDS D along Pinewoods Avenue (Attachment H, Photo 9). The structure is associated with the name W. J. Stillman on the 1854 map and A. Buss on the 1861 and 1876 maps. It also appears on the 1893, 1928, 1950,and 1953 topographic maps. One MDS, MDS D, is depicted on the historic maps for the 3.6 ha (9-acre) parcel. MDS D, is located near the eastern boundary of the project area along Pinewoods Avenue. MDS D first appears on the 1861 map associated with the name W. J. Stillman. It continues to be associated with Stillman in 1876. The structure also appears on the 1893, 1928, 1950, 1953 and 1995 topographic maps. At present, the structure is not standing. The Carriage Hill 9 site (A08302.000217), a historic foundation, was identified adjacent to the 3.6 ha (9-acre) parcel (Derrick Marcucci, Landmark Archaeology, Inc., personal communication, August 16, 2005). No testing was conducted by Landmark Archaeology or by PAF as the site is outside the Area of Potential Effect of both project areas. A 30.5 m (100 ft) buffer has already been established surrounding this site. The foundation is likely an outbuilding associated with MDS D.

Table 2. Map Documented/Historic Structure Summary Table

	1854 Rogerson Map	1861 Lake and Beers Map	1876 Beers Map	1893 Troy, Topographic Map	1928 Troy, Topographic Map	1950 Troy, Topographic Map	1953 Troy, Topographic Map
MDS A	J. Hastings	N. M. Hastings	N. M. Hastings	+++	+++	---	---
MDS B	A. Buss	---	---	---	---	---	---
MDS C	+++	---	---	---	---	---	---
MDS D	---	W. J. Stillman	W. J. Stillman	+++	+++	+++	+++
473 Pine-woods Avenue	W. J. Stillman	A. Buss	A. Buss	+++	+++	+++	+++

+++ Structure appears on map, but owner not identified
--- Structure not shown on map

Documentary Summary

..... no sites reported
..X. sites reported (describe briefly)

Given the site setting and the traces of occupation found within the vicinity, the probability for identifying prehistoric sites within the project area is high. The types of sites that may be found in this environment include temporary camps and small resource procurement/processing sites. There is one Map Documented Structures in the 3.6 ha (9-acre) parcel and, therefore, there is a moderate probability of finding a historic site in this project area. There are an additional three MDSs and a historic standing structure in the project area along Pinewoods Avenue. The standing structure is set very far back from the road margin, a distance limiting the identification of any associated historic sheet middens. Therefore, there is a low probability of finding a historic site adjacent to this property. The same may be true for the MDSs.

Documented Prehistoric Archaeological Sites

Background research indicated the Hudson Valley region is highly sensitive for prehistoric archaeological resources. Within 3.2 km (2 mi) of the Carriage Hill Estates project area, archaeologists have documented 10 sites, ranging in size from small camps and lithic scatters to whole-scale village settlements. Diagnostic artifacts from several of the sites provide rough dates, suggesting an occupational time-frame stretching from at least the Late Archaic (4000-1500 BC) through the Late Woodland (AD 900-1650). In addition, the multi-component Schuyler Flatts site (A00104.000002; NYSM 1631) along the Hudson River is National Register Listed.

Documented Historic Archaeological/Architectural Sites

Archaeologists have documented at least nine historic archaeological and architectural sites within 3.2 km (2 mi) radius of the Carriage Hill Estates project area. Seven of the nine are associated with industrial/commercial structures or landuse. Four sites are National Register Listed: the Henry Koon House, Poesten Kill Gorge Historic District, the Upper Burden Iron Works, and the multi-component Schuyler Flatts site along the Hudson River with historic domestic occupation dating from 1643 to the late nineteenth century. Several additional structures within the area have been inventoried for the National Register (Attachment C).

B. Field Investigation

1. Methodology

a. Description of structure for survey team (number, organization).

Dr. Nina M. Versaggi, Director of PAF, supervised this project. Laurie Miroff directed the field work. Jason Mayoka acted as crew chief and Mary Becker, Alex Button, Greg Duite, Michael Jacobson, and Vanessa LoPiccolo were field assistants. All fieldwork and research staff meet or exceed the minimum qualifications for professionals in archaeology.

b. Date of survey and soil description of general and subsurface conditions (including season, ground visibility, and relative wetness of soil).

A Phase IB archaeological survey was performed on August 4 - 10, 2005. Environmental conditions were hot, sunny, and humid. Ground visibility was low in both the 3.6 ha (9-acre) parcel and along Pinewoods Avenue due to vegetation. Some areas within the 3.6 ha (9-acre) parcel were saturated and contained standing water.

c. Outline of field testing strategy, specifying (when appropriate): sampling techniques, surface inspection techniques (transect interval, method of ground examination), subsurface techniques (type, interval, and average depth of excavation unit; for screening, note size of mesh), remote sensing techniques.

The project involves the construction of private building lots or smaller carriage home lots in the 3.6 ha (9-acre) parcel. The project also involves an alternate location for the construction of a sewer line on the north side of CR 140 (Pinewoods Avenue) from the Forest Hills Cemetery to approximately 250 m (820 ft) east of Deerfield Drive. Archaeologists excavated 181 STPs in the 3.6 ha (9-acre) parcel (Attachment E.1) and 60 STPs along the proposed sewer line (Attachment E.2). All STPs were spaced at 15 m (49 ft) intervals. Archaeologists excavated all of the STPs by hand using shovels. STPs measured at least 40 cm (16 in) in diameter. All soil was screened through a 7 mm (.25 in) hardware cloth onto plastic sheeting and pits were immediately backfilled after data on soils and artifacts were recorded.

d. Description of general soil characteristics, including texture and depth to sterile soil.

The 60 STPs excavated along the proposed sewer line contained A horizon soils that generally consisted of a grey brown silt loam (Attachment F). Often this horizon was compact. The average depth of the A horizon was 20 cm (8 in) below the ground surface. B horizon soils were mainly a yellow brown silt loam. Frequently rocks were present and the horizon was often compact. At least 27 STPs contained fill. STPs ended at an average depth of 28.5 cm (11 in) below ground surface. Archaeologists excavated 181 STPs in the 3.6 ha (9-acre) parcel. The A horizon was a light brown, medium brown, gray brown, or medium gray brown silt loam with rocks and roots. The average depth of the A-horizon was 17 cm (7 in) below the ground surface. B-horizon soils were mainly a yellow brown silt loam, frequently with rocks and roots. STPs ended at an average depth of 33.5 cm (13 in) below ground surface. Soils in both the 3.6 ha (9-acre) parcel and along the proposed sewer line conformed to the expected profiles found in the official soil description.

e. Description of intensity of coverage and rationale for excluding areas from survey. Attach a map with location and type of each excavation unit, and areas surface inspected. Any areas not surveyed should be clearly delineated.

The 60 STPs along the proposed sewer line and 181 STPs in the 3.6 ha (9-acre) parcel covered the project areas (Attachment E.1 and E.2; Attachment H, Photos 1-14). Several STPs along the proposed sewer line were not tested due to driveways (AA17, AA 32, AA 33), existing ditches (AA34, AA35, AA36, AA38), or roads (AA42, AA43). In addition, a sign for an invisible dog fence was present on the property of the historic standing structure along Pinewoods Avenue (Attachment H, Photo 9). The owners were unavailable for comment. However, the porch is approximately 26 m (85 ft) from the white line of the road. This great distance from the structure suggests that associated historic sheet middens would not be identified in the project area. If historic material is present, it is likely a light density. STPs BB2 and 3 and STPs EE1, 2, and 3 in the 3.6 ha (9-acre) parcel contained an abundance of historic cultural material. STPs were excavated at 7.5 m (24.6 ft), 6.5 m (21.3 ft), 5 m (16.4 ft), 3 m (9.8 ft), and 1 m (3.3 ft) from each to determine the boundaries of the material. Several STPs were not excavated in the 3.6 ha (9-acre) parcel due to standing water or bee's nests. The 15 m (49 ft) interval is sufficient for finding most medium and large sized sites. A sample of small sites will also be intersected by these intervals.

f. Description of problems encountered during survey which may have influenced results.

There were no problems encountered.

Results of Field Investigation

..... no sites identified
..1... site(s) identified

Archaeologists excavated 181 STPs in the 3.6 ha (9-acre) parcel, which produced a total of 702 historic artifacts (Attachment G). Historic artifacts included: 11 indeterminate bone, 1 gun cartridge, 1 shoe eye, 16 metal, 1 barbed wire, 1can key, 25 cut nails, 12 cut nail fragments, 1 ring, 1 scissors, 1 screw, 18 sheet metal, 1 staple, 9 tin can fragments, 4metal wire, 3 undiagnostic nail fragments, 16 wire nails, 9 wire nail fragments, 69 window glass, 261 undifferentiated bottle glass (209 clear, 2 embossed clear, 1 cobalt, 1 light green, 3 sun-purpled, 13 amber, 2 embossed amber, 1 olive, 27 aqua, 1 melted aqua, 1 molded aqua), 1 aqua glass lightning seal lid sherd, 4 clear glass bottle neck sherds, 16 lamp chimney glass (14 clear, 1 etched clear, 1 light blue), 1 clear glass dropper, 5 clear glass jar sherds, 10 undifferentiated glass (3 aqua, 1 embossed aqua, 2 clear, 1 etched clear, 1 frosted clear, 1 molded clear, 1 molded sun-purpled), 2 cobalt embossed glass medicinal bottle sherds, 1 light green embossed glass furnishing/decorative sherd, 1 clear molded glass condiment bottle sherd, 6 clear molded glass table/drinking glass sherds, 4 leather show fragments, 1 rubber/soft jar rubber, 21 clam shell, 18 oyster shell, 1 milk glass button, 1 embossed milk glass sherd, 1 pressed milk glass sherd, 1 lead glazed redware sherd, 1 manganese glaze redware sherd, 1 yellowware sherd, 46 ironstone, 1 decal ironstone, 11 glazed ironstone (10 green), 3 molded ironstone, 4 scalloped edge ironstone, 15 transfer blue ironstone, 3 porcelain sherds, 4 banded/edged (1 pink) porcelain sherds, 1 decal porcelain sherd, 11 hand painted porcelain sherd, 1 molded porcelain, 1 Albany slip stoneware sherd, 9 glazed stoneware sherd, 2 salt glaze stoneware sherds, 2 salt glaze/Albany slip stoneware sherds, 19 undecorated whiteware sherds, 2 annular banded whiteware sherds, 1 molded edge whiteware sherd, and 8 transfer (6 red, 2 blue) whiteware sherd. One historic site, the W. J. Stillman site (SUBi-2537), was identified within the project limits for the proposed Carriage Hill Estates 9-acre Parcel. No prehistoric material was recovered.

Historic material recovered from along the proposed sewer line was minimal. This material appears to be random refuse and is not associated with a historic standing structure or foundation or a MDS. No sites were designated. Within the proposed sewer line, archaeologists excavated 60 STPs and recovered only one porcelain glazed black electric insulator (Attachment G). No prehistoric material was recovered from along the proposed sewer line.

W. J. Stillman Site (SUBi-2537)

Context. The W. J. Stillman site is a dense scatter of historic artifacts associated with a nineteenth-century map documented structure (MDS D) within the Town of Brunswick, Rensselaer County, New York (Figure 1). The Town of Brunswick was created from Troy on March 20, 1807 (Anderson 1897:523; Sylvester 1880). The name Brunswick is derived from the name of an early prominent family of the town, the Braunschweigers, or from the nationality of early settlers (Anderson 1897:523). Brunswick was settled at least as early as 1745, but little is known of the first settlers (Anderson 1897). They may, however, have been farmers occupying the hills. A map documented structure (MDS D) is located near the eastern boundary of the project area along Pinewoods Avenue. MDS D first appears on the 1861 map associated with the name W. J. Stillman. It continues to be associated with Stillman in 1876. The structure also appears on the 1893, 1928, 1950, 1953 and 1995 topographic maps. At present, the structure is not standing. The Carriage Hill 9 site (A08302.000217), a historic foundation, was identified adjacent to the 3.6 ha (9-acre) parcel (Derrick Marcucci, Landmark Archaeology, Inc., personal communication, August 16, 2005). No testing was conducted by Landmark Archaeology or by PAF as the site is outside the Area of Potential Effect of both project areas. The foundation is likely an outbuilding associated with MDS D.

Site Size. The site has maximum dimensions of 67.25 by 58.75 m (221 by 193 ft) and encompasses a total area of 3951 m^2 (42,528 ft^2) (Attachment E.1; Figure 2). The cultural material associated with this site was recovered from the first 40 cm (15.75 in) below ground surface.

Site Location. The site is located immediately to the north of Pinewoods Avenue. The site lies at an elevation of approximately 137 m (450 ft) ASL and is situated in the uplands above a tributary of Poesten Kill, a meandering Hudson River tributary which originates in the uplands roughly 15 km (9 mi) east of the project area. The tributary lies approximately 155 m (508.5 ft) north of the site. The site area is currently in secondary forest (Attachment E; Attachment H, Photos 15-19). The north, east, and west site boundaries are marked by the absence of cultural material. The southern boundary is Pinewoods Avenue.

Site Characteristics. The site produced a high density of cultural material (661 artifacts), recovered from 24 STPs (BB2, 2/6.5mS, 2/7.5mE, 2/7.5mW; BB3, 3/7.5mE, 3/7.5mN, 3/7.5mW; BB4; DD1-3; EE1, 1/3mS, 1/7.5mE, 1/7.5mW; EE2, 2/1mW, 2/7.5mE, 2/7.5mW; EE3, 3/5mN, 3/7.5mE, 3/7.5mW), with an average of 27.5 artifacts per positive STP.

Summary of Artifacts. Archaeologists recovered 661 artifacts from 24 STPs (Table 3; Attachment G). In addition to the high density of material, there is also a diversity of functional groups represented, including: functionally unaffiliated, architectural, food-related, food remains, furnishing, lighting, clothing, hygienic/medicinal, and tools/arms. Over half of the artifacts (54.9%) are functionally unaffiliated remains.

Table 3. W. J. Stillman Artifacts by Functional Group

Functional Group	Artifacts (count)	Count	Percent
Unaffiliated	248 (68.3%) bottle glass fragments (212 clear, 13 amber, 11 aqua, 3 sun-purpled, 2 embossed amber, 2 embossed clear, 1 melted aqua, 1 molded aqua, 1 cobalt, 1 light green, and 1 olive), 48 ceramics (23 ironstone, 19 whiteware, 3 porcelain, 2 stoneware, and 1 yellowware), 16 unidentifiable metal, 1 can key, 1 ring, 1 screw, 18 sheet metal, 1 staple, 9 tin can fragments, and 4 wire, 5 clear glass sherds, and 11 unidentifiable glass (3 aqua, 2 clear, 1 molded clear, 1 molded sun-purpled, 1 embossed milk glass, 1 press milk glass, 1 frosted clear, 1 embossed aqua)	363	54.9
Architectural	68 window glass sherds, 24 cut nails, 16 wire nails, 12 cut nail fragments, 9 wire nail fragments, 2 undiagnostic nail fragments, and 1 barbed wire	132	20.0
Food-Related	1 jar rubber, 1 food preparation/storage glass lightning seal lid, 1 molded glass condiment bottle sherd, 6 molded table/drinking glass sherd, 25 ironstone tableware/teaware sherds, 7 ironstone teaware sherds, 14 ironstone tableware sherds, 4 porcelain food service sherds, 1 porcelain teaware sherd, 1 porcelain tableware sherd, 1 redware food preparation/service sherd, 1 redware tableware/teaware sherd, 2 stoneware food preparation/storage sherds, 1 whiteware food preparation/service sherd, and 10 whiteware tableware/teaware sherds	76	11.5
Food Remains	11 unidentifiable bone, 19 clam shells, and 15 oyster shells	45	6.8
Furnishing	1 light green embossed glass, 10 hand painted porcelain flower pot sherds, and 9 glazed stoneware sherds	20	3.0
Lighting	12 clear lamp chimney glass sherds, 1 light blue lamp chimney glass sherd, and 1 etched clear lamp chimney glass sherd	14	2.1
Clothing	4 leather shoe fragments, 1 milk glass button, and 1 metal shoe eye	6	0.9
Hygienic/Medicinal	2 cobalt embossed glass container medicinal bottle sherds and 1 clear glass dropper	3	0.5
Tools/Arms	1 gun cartridge and 1 scissors	2	0.3
Total		**661**	**100**

The ceramic assemblage from W. J. Stillman includes 134 individual sherds. Ceramic wares are dominated by ironstone (n=69) with smaller numbers of whiteware (n=30), porcelain (n=19), stoneware (n=13), redware (n=2), and yellowware (n=1) sherds. Forty percent of these white earthenwares (whiteware and ironstone) display a decal, glazed (green), molded or molded edge, annular banded, or transfer (blue or red), decoration. Forty-eight of the ceramics recovered are functionally unaffiliated. The remaining 86 include tableware/teawares (n=50), teawares (n=8), tablewares (n=1), food service (n=4), furnishing/decorative (n=19), food preparation/service (n=2), food preparation/storage (n=2) ceramics. One ironstone transfer blue commemorative plate (5 sherds) depicts a columned, Greek style building inscribed with: "..LKER / ..OF THE ALVMNI OF THE MASSA.. / DEDICATED TO THE MEMO..". According to Lois Beattie, MIT (personal communication with J. Ridler, PAF, August 18, 2005), "the building, designed by Welles Bosworth, who also designed the buildings for MIT's [Massachusetts Institute of Technology] Cambridge campus, and was, of course, built as a memorial to Francis Amasa Walker, president of MIT from 1881 to 1897. The cornerstone was laid on June 12, 1916, during the 3-day reunion and celebration to dedicate the new Cambridge campus. The building was first occupied in September 1917."

One-hundred-six of the ceramic sherds are diagnostic to a particular time period based on ware type and decoration (Table 4). The open MCD for this assemblage is 1905, but is likely skewed by the relatively high percentage (57.5%) of ceramics still being manufactured today. The closed MCD, which is based on 1 redware manganese glaze, 3 stoneware salt glazed or salt glazed/Albany slip, 1 undecorated yellowware, 6 whiteware transfer red, 2 transfer blue whiteware, 1 whiteware molded edge blue, 2 whiteware annular banded, 2 molded ironstone, 15 transfer blue ironstone, 1 Albany slip stoneware, and 11 glazed ironstone, returns a much earlier 1878. One sherd could have been made as early as 1750 and three as early as 1800. Twelve sherds could have been manufactured as early as 1830 and another 17 as early as 1850. Taken together, it appears that the ceramics likely date these deposits to the mid to late nineteenth century.

Table 4. W. J. Stillman Site Datable Ceramic Artifacts

Description	Manufacture Date Range	Count
Redware Manganese Glaze	1750-1900	1
Stoneware Salt Glazed or Salt Glazed/Albany Slip	1800-1900	3
Undecorated Yellowware	1830-1900	1
Transfer Red Whiteware	1830-1850	6
Transfer Blue Whiteware	1830-1870	2
Undecorated Whiteware	1830-2005	19
Whiteware Molded Edge Blue	1830-1860	1
Whiteware Annular Banded	1830-1900	2
Molded Ironstone	1850-1870	2
Transfer Blue Ironstone	1850-1870	15
Undecorated Ironstone	1850-2005	40
Decal Ironstone	1890-2005	1
Porcelain Banded/Edged	1900-2005	1
Albany Slip Stoneware	1900-1940	1
Glazed Ironstone	1930-1960	11
Total		**106**

Artifact Distributions. The cultural material was recovered from soils that extended from ground surface to as deep as 40 cm (15.75 in) below ground surface. With the exception of six artifacts from one STP that were intrusive into the B horizon, all artifacts were recovered from the A horizon. Of the 29 STPs excavated within the site boundaries, 24 produced historic artifacts with an average of 27.5 artifacts per positive STP. Within the positive STPs there is considerable variation in artifact density, with counts per STP ranging from 1 to 262.

Features. No features were intersected by STPs nor are any evident above the ground surface. However, several large stones are present (with mortar) on the ground surface and are exposed in the hillslope at the south of the site. These may represent foundation stones.

Integrity. The soil in this portion of the project area appears to be relatively intact and no indications of severe disturbance were identified in the STPs.

Research Potential. The W. J. Stillman site represents a diverse sheet midden associated with a nineteenth-century homestead within the Town of Brunswick, and as such represents a facet of the small rural community economy during the mid to late nineteenth century. The presence of sheet midden areas and the presence of a highly diverse artifact assemblage including architectural, food-related, food remains, furnishing, lighting, clothing, hygienic/medicinal, and tools/arms suggest that the artifact assemblage could address broad research problems relating to consumer choice and production behavior as well as more specific questions regarding the class and status of the occupants during the nineteenth century in rural New York State. The archaeological remains of nineteenth-century residential sites represent one of the few ways to learn about individual households in rural America. Written histories rarely provide a glimpse of life for the average family in rural regions.

Potential Impacts. At present, the W. J. Stillman site is located within an area that may be impacted by the proposed construction in the 3.6 ha (9-acre) parcel.

Recommendations. We recommend that the site is potentially eligible for the National and State Register of Historic Places. If impacts to the site can not be avoided, then we recommend a Phase 2 site examination to better define National Register eligibility. To better define artifact density, the initial task of the site examination will be the excavation of 10-20 1 x 1 m (3.3 x 3.3 ft) units.

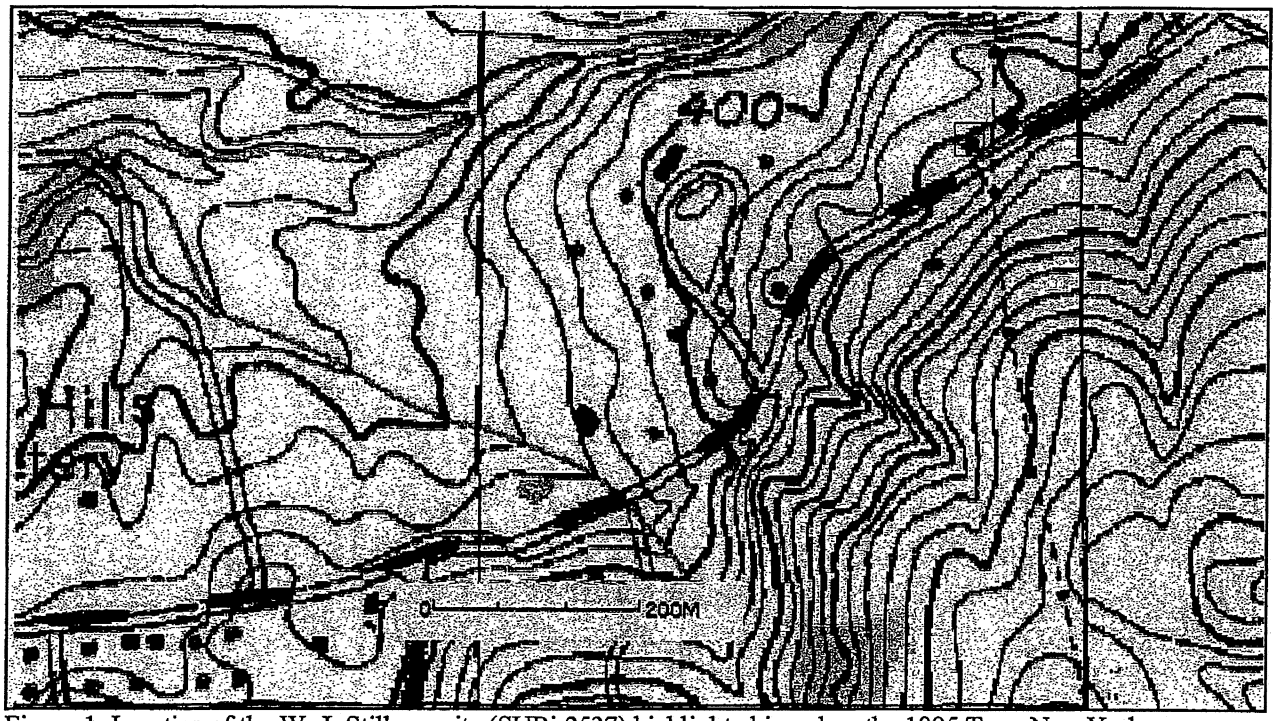


Figure 1. Location of the W. J. Stillman site (SUBi-2537) highlighted in red on the 1995 Troy, New York quandrangle.

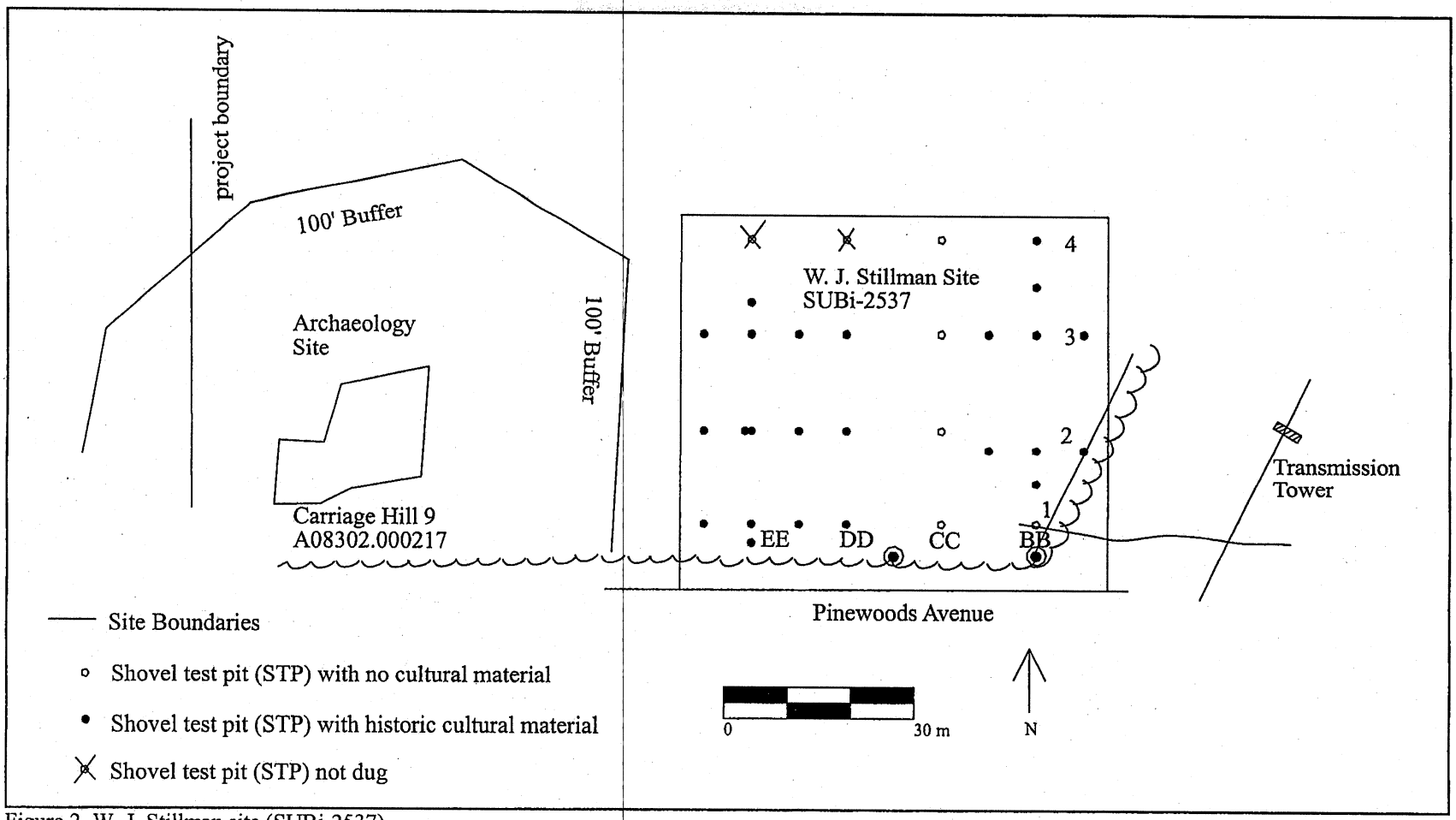


Figure 2. W. J. Stillman site (SUBi-2537).

Recommendations

3.6 ha (9-acre) Parcel:

..... **no additional work**
...X.. **additional investigation (W. J. Stillman site)**
..... **project modification to avoid sites**

If avoidance is not feasible, we recommend excavation to determine NRE.

Proposed Sewer Line:

...X.. **no additional work**
..... **additional investigation**
..... **project modification to avoid sites**

Rationale

a. **Evaluate the effect of the proposed undertaking on identified cultural resources.**

The proposed project will adversely impact the W. J. Stillman (SUBi-2537) site through the construction of private building lots or smaller carriage home lots.

b. **Describe possible precautions, protective measures or project modifications that would avoid or alleviate these impacts.**

Avoidance of construction activities or land modification within the boundaries of the W. J. Stillman site would alleviate impacts to the sites. If avoidance is pursued, the sites would need to be fenced off to avoid accidental destruction during construction.

c. **Identify sites and/or areas which require additional study.**

If impacts can not be avoided to the W. J. Stillman site, these areas will require Phase 2 Site Examinations.

d. **Outline the nature and extent of additional investigation(s).**

To evaluate NRE, we recommend the excavation of 10 to 20 1 x 1 m (3.3 x 3.3 ft) units at the W. J. Stillman site (SUBi-2537).

* **For each site, complete a site inventory form (OPRHP), providing general boundaries and information on nature of the site (e.g., lithic scatter, historic midden, rock shelter). Mark form "Confidential: For Agency Use Only".**

END PART 1

If site evaluation is not completed at this time,
proceed to Part 3.

PART 3: SUPPORTIVE DATA

Reports should include the items listed below. Bracketed information is optional. Put a check next to each item appended.

PLEASE NOTE: Most attachments listed below often provide precise locational and compositional data on archaeological sites. This information is confidential to protect the resource from vandalism. All attachments with site specific information should be omitted from report copies which will be available to the general public.

..A.. Management Summary

..B.. Project Area Maps (including state and county, topographic, and soils)

..C.. Site files checks (Confidential: Not for Public Release)

..D.. Copies of relevant historic maps

..E.. Map(s) of test locations, field inspection, and areas of cultural material; maps must have title, legend, bar scale, and directional arrow.

..F.. Record of soil stratigraphy in each test unit (in text)

..G... Artifact catalog

..H.. Photographs of the project area

...I... OPR&HP Historic Site Form

Certification: I certify that I directed the cultural resource investigation reported here, that my observations and methods are fully reported, and that this report is complete and accurate to the best of my knowledge.

August 24, 2005
date

signature of preparer

Attachment A: Management Summary

SHPO Project Review Number (if available):

Involved Agency: New York State Office of Parks, Recreation, and Historic Preservation
Phase of Survey: Phase 1B

Location Information
- Location: CR 140 (Pinewoods Avenue)
- Minor Civil Division: Town of Brunswick (MCD 08302)
- County: Rensselaer

Survey Area (Metric and English)
3.6 ha (9-acre) Parcel:
- Length: maximum 246 m (807 ft)
- Width: maximum 191 m (627 ft)
- Area Surveyed: 3.6 ha (9 ac)

Proposed Sewer Line:
- Length: maximum 1 km (0.6 mi)
- Width: 1.5 m (5 ft)
- Area Surveyed: maximum .15 ha (.37 ac)

USGS 7.5 Minute Quadrangle Map: 1953 Troy South, New York (Photorevised 1980); 1995 Troy, New York.

Archaeological Survey Overview
3.6 ha (9-acre) Parcel:
- Number and interval of Shovel Tests: 181, 15 m (49 ft), 7.5 m (24.6 ft), 6.5 m (21.3 ft), 5 m (16.4 ft), 3 m (9.8 ft), and 1 m (3.3 ft) intervals
- Surface survey: none

Proposed Sewer Line:
- Number and interval of Shovel Tests: 60, 15 m (49 ft) intervals
- Surface survey: none

Results of Archaeological Survey
3.6 ha (9-acre) Parcel:
- Number of prehistoric sites identified: 0
- Number of historic sites identified: 1
- Number of sites recommended for investigation: 1, W. J. Stillman site
- Number of listed/eligible or potentially eligible National Register sites that may be impacted: 1

Proposed Sewer Line:
- Number of prehistoric sites identified: 0
- Number of historic sites identified: 0
- Number of sites recommended for investigation: 0
- Number of listed/eligible or potentially eligible National Register sites that may be impacted: 0

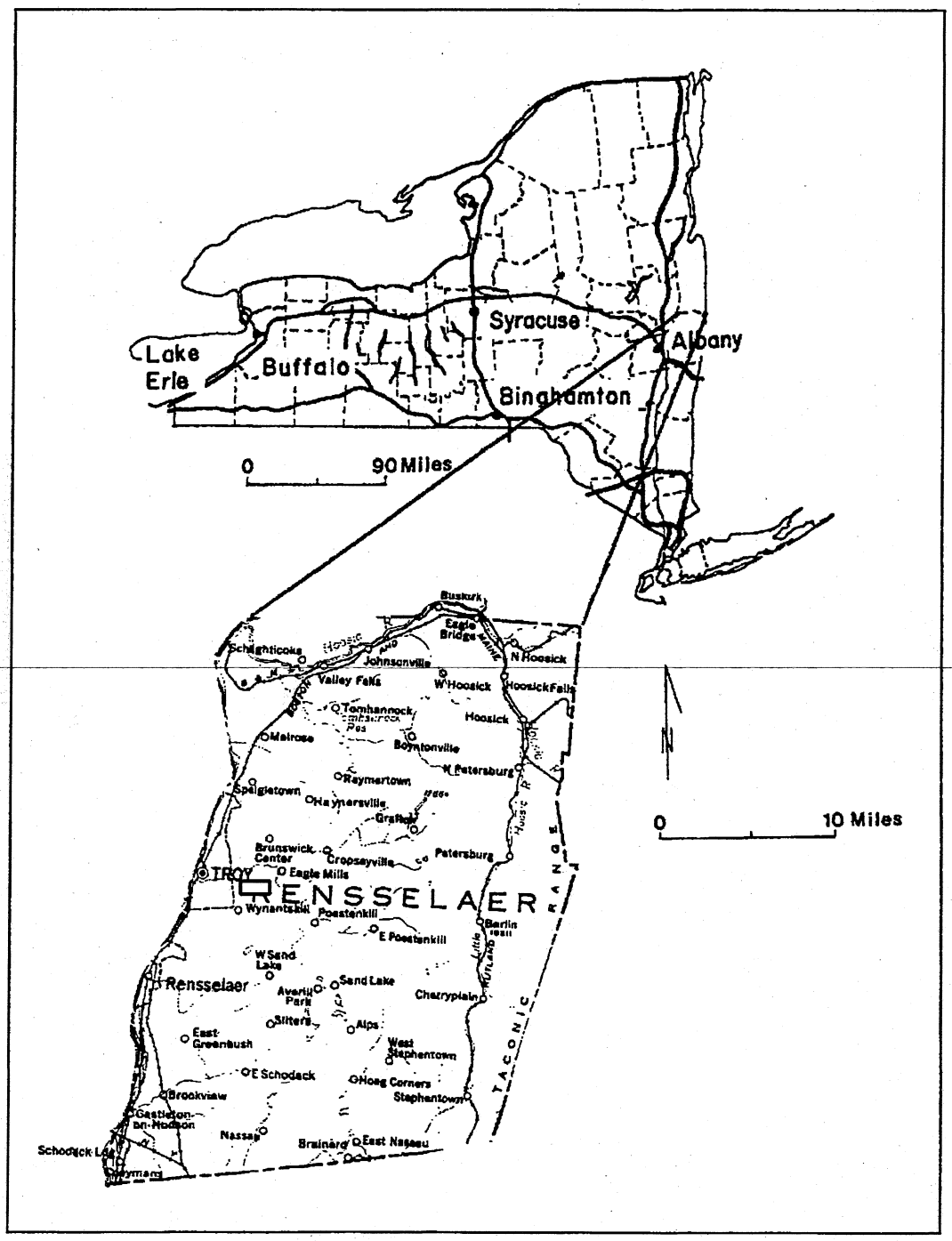
Results of Architectural Survey: None requested

Report Author: Laurie Miroff

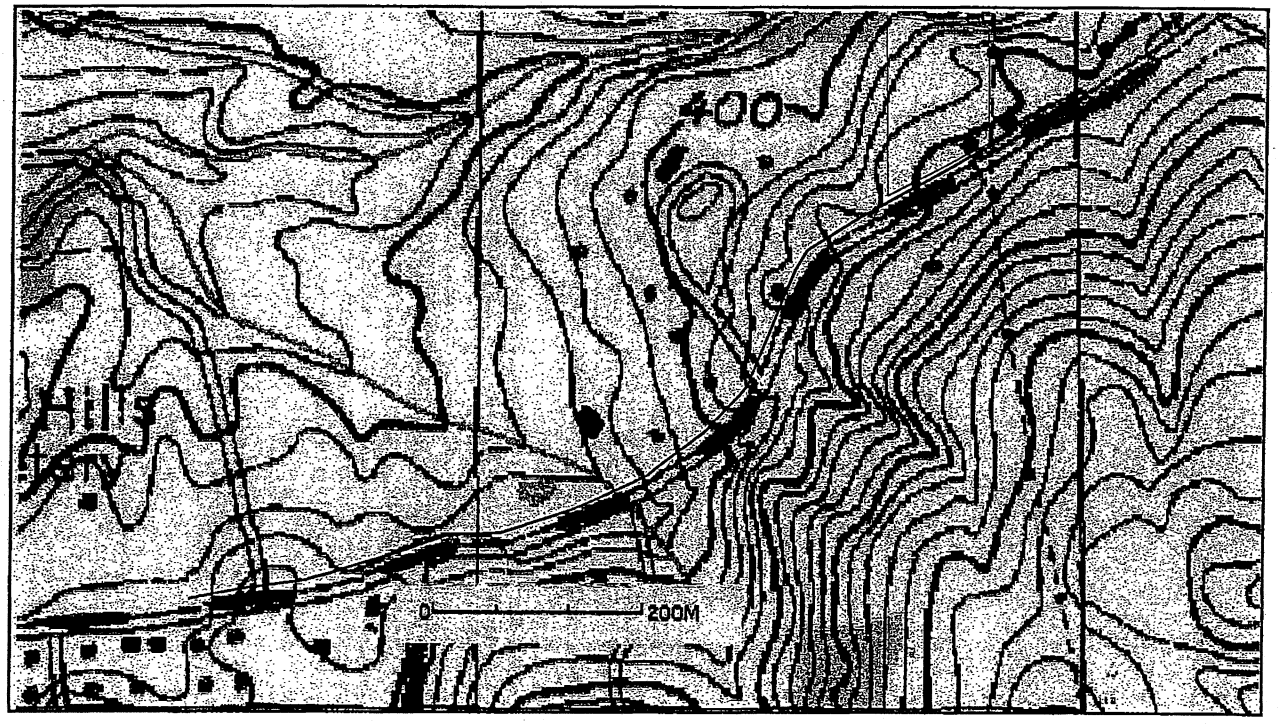
Date of Report: August 24, 2005

Attachment B: Project Maps and Soils

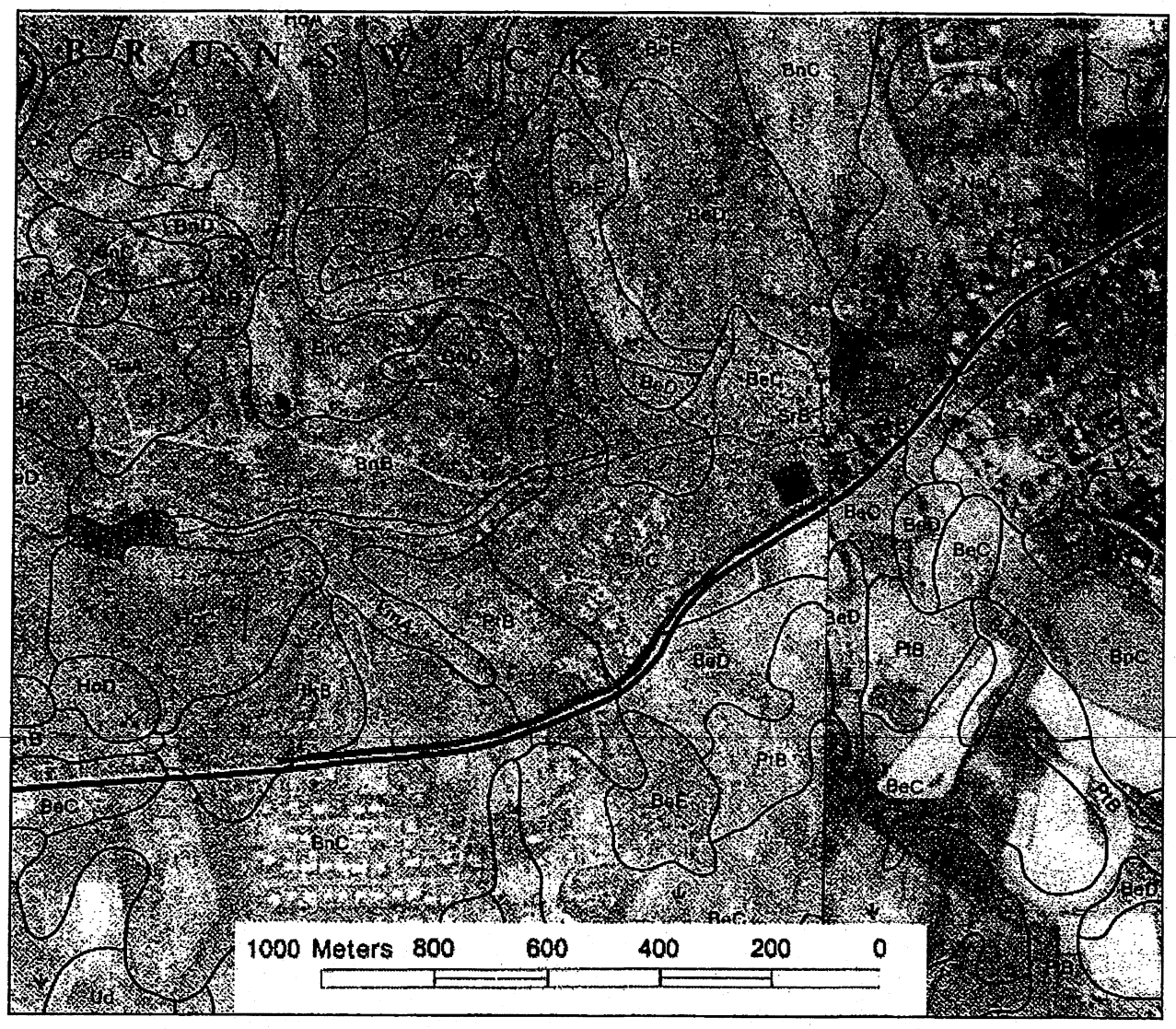
B.1 Location of the project area within New York State and Rensselaer County (project location highlighted in red).



B.2:1995 USGS Troy, 7.5' New York Quadrangle (project location highlighted in red).



B.3: Soil map showing project location (highlighted in red). KEY: RkB=Riverhead fine sandy loam; PtB=Pittstown gravelly silt loam; BeC=Bernardston gravelly silt loam, 8 - 15% slopes; BeD=Bernardston gravelly silt loam, 15 - 25% slopes; BnC=Bernardston-Nassau complex, rolling.



Attachment C: Site File checks

CONFIDENTIAL; Not for Public Release
NYS OFFICE OF PARKS, RECREATION AND HISTORIC PRESERVATION
Field Service Bureau Files Search

DATE: May 23, 2005
CONDUCTED BY: B Ross
Project: Carriage Hill Estates, CR 140: Pinewoods Avenue: intersection of Pawling Avenue east to east Troy South Quadrangle line
Minor Civil Division (MCD): City of Troy (08340) and Town of New Brunswick (08302)
County: Rensselaer
USGS Quadrangle: Troy South

1. Archaeological Sites (within 3.2 km / 2 mi radius):

   Refer to attached table.

2. Surveys and Reports within immediate or adjacent MCDs: (all, with possible exception of Stage IA):

OPR Report unnumbered, 99PR2896. *Stage IA Archaeological Assessment for Mt. Ida Dam Pond Sediments, Postenkill Gorge Historic District, City of Troy, Rensselaer County, New York*, Hartgen Archeological Associates, 9/99 for SEQRA.

OPR Report unnumbered, 96PR1825. *Architectural Survey for PIN 1306.53.101, NY 7, Troy City Line to NY 142, Town of Brunswick, Rensselaer County, New York*, NYS Museum, 6/96 for DOT.

OPR Report unnumbered, 02PR4745. *Stage IA Literature Review for Mt. Ida Trails, Postenkill Gorge Historic District and Prospect Park, City of Troy, Rensselaer County, NY*, Hartgen Archeological Associates, 9/02 for EPF.

OPR Report #6. *Stage IA/B Cultural Resource Survey for PIN 1054.00.111, I-787 Hoosick Street Bridge Connector, City of Troy, Rensselaer County, New York*, University Albany, 1975 for DOT. Two historic sites; A08340.000064-65 (Item 1, Sites 23-24).

OPR Report #7. *Stage IA Cultural Resource Survey for PIN 1162.00, NY 7, Towns of Pittstown, Hoosick and Brunswick, Rensselaer County, NY*, University Albany, 11/77 for DOT. AND Stage IB; Spicer Road to Hoosick River, NYSM, 12/80, 60 historic and 3 prehistoric sites; all beyond 3.2 km.

OPR Report #10. *Stage IA/B Cultural Resource Survey for PIN 1751.02, 8th Street, City of Troy, Rensselaer County, NY*, NYS Museum, 9/80 for DOT. No sites.

OPR Report #15 (Albany Co). *Stage I, Village of Green Island Interceptor and Trunk Sewers, Albany County, New York*, University Albany, 1976. One possible Historic Native American site; A00144.0000018 (Item 1, Site 24).

OPR Report #22. *Stage IA/B Cultural Resource Survey for BIN 2024660, Pawling Avenue over Postenkill, City of Troy, Rensselaer County, NY*, NYS Museum, 3/84 for DOT. NOTE: closest survey to proposed project area but not adjacent and no sites identified.

OPR Report #36. *Stage IB Cultural Resource Survey for Wynantskill Hydroelectric Power Project, City of Troy, Rensselaer County, NY*, Hartgen Archeological Associates, 8/85 for FERC. No sites within 3.2 acres.

OPR Report #37. *Stage IA Cultural Resource Survey for PIN 1751.65 Bridge Rehabilitation, Second and Fourth Streets over Postenkill, City of Troy, Rensselaer County, NY*, Ryan-Biggs Associates for DOT.

OPR Report #57. *Stage IB Cultural Resource Survey for Oakwood Business Park, City of Troy, Rensselaer County, NY*, Collamer and Associates, 6/90 for HUD. Two historic sites; A08340.001071-1072 (Troy North; beyond 3.2 km) within 40.8 acres surveyed.

Page 2. NYSOPRHP Site File/Structure Inventory/NR Search for Carriage Hill Estates Project, City of Troy, Town of Brunswick, Rensselaer County.

OPR Report #68. *Stage IB Cultural Resource Survey for Brunswick Landfill Borrow Area, Town of Brunswick, Rensselaer County, NY,* Heritage America, 5/92 for DEC. No sites within 15 acres.

OPR Report #71, 93PR0090. *Stage IA/B Cultural Resource Survey for PIN 1089.48.109, Route 4 over Vandenburgh Avenue and Morrison Avenue, City of Troy and Town of North Greenbush, Rensselaer County, NY,* NYS Museum, 7/92 for DOT. No sites within 28.9 acres.

OPR Report #76, 93PR2242. *Archaeological Field Reconnaissance for Group Residence, Havermans Avenue, City of Troy, Rensselaer County, NY,* Hartgen Archeological Associates, 7/94 for HUD. No sites within one acre.

OPR Report #78, 93PR1092. *Cultural Resource Reconnaissance Survey for PIN 1001.24.108, Route 2, Hamlet of Cropseyville, Towns of Brunswick and Grafton, Rensselaer County, NY,* NYS Museum, 12/93 for DOT. One historic site, A08302.000032 (Averill Park Quad; beyond 3.2 km).

OPR Report #94, 98PR0780. *Stage IA/B Reconnaissance for Proposed PCS Tower 3R#A0712-Phibbs, Moonlawn Road, Town of Brunswick, Rensselaer County, NY,* Hartgen Archeological Associates, 4/98 for FCC. No sites within 0.1 acres.

OPR Report #106. *Stage IA Report of Archaeological Potential Super Shop'N Save, Congress and Ferry Streets, City of Troy, Rensselaer County, NY,* Hartgen Archeological Associates, 7/89. AND Stage II Investigations for Samuel 'Uncle Sam Wilson' House, 10/90.

OPR Report #113, 99PR1694. *Stage IA/B Archaeological Investigations for Troy Bike Path, City of Troy, Rensselaer County, NY,* Hartgen Archeological Associates, 1/00 for SEQRA. No sites within 0.5 acres.

OPR Report #131, 00PR4250. *Stage IB Cultural Resource Investigations for Turnpike Elementary School Expansion, Lansingburgh Central School District, City of Troy, Rensselaer County, NY,* Dean and Barbour, 8/01 for SED. No sites within 5.5 acres.

OPR Report #142, 01PR2595. *Stage IB Archaeological Survey for Rensselaer Polytechnic Institute Biotechnology/Interdisciplinary Studies Building and Related South Campus Improvements, City of Troy, Rensselaer County, NY,* Hartgen Archeological Associates, 3/02 for SEQRA. One historic site, A08340.001693 (Troy South; beyond 3.2 km) within 22.5 acres.

OPR Report #143, 01PR1832. *Stage IA/B Archaeological Survey for Diamond Rock Terrace II Senior Housing, City of Troy, Rensselaer County, NY,* Edward Curtin, 3/02 for DHCR. No sites within 2.8 acres.

OPR Report #156, 02PR01398. *Stage IA/B Cultural Resource Survey for Gurley Avenue Development, City of Troy, Rensselaer County, NY,* Landmark Archaeology, 6/02. No sites within 8.5 acres.

OPR Report #167, 02PR0497. *Stage IB Letter Report for Area 2, Congress Street Reconstruction: 11th Street to Pawling Avenue (PIN 1753.39) Proposed Overlook Structure, City of Troy, Rensselaer County, NY,* Hartgen Archeological Associates, 3/03 for FHWA. No sites within 0.1 acres.

OPR Report #170, 02PR0497. *Stage IA/B Archaeological Field Reconnaissance for Three Parking Areas, Congress Street Rehabilitation project: 11th Street to Pawling Avenue, City of Troy, Rensselaer County, NY,* Hartgen Archeological Associates, 9/03 for FHWA. No sites within 0.5 acres.

OPR Report #174, 03PR4467. *Stage IA/B Archaeological Reconnaissance for Ingalls Avenue Fishing Access and Boat Launch, City of Troy, Rensselaer County, NY,* Hartgen Archeological Associates, 1/2004 for DEC. No sites within two acres surveyed.

Page 3. NYSOPRHP Site File/Structure Inventory/NR Search for Carriage Hill Estates Project, City of Troy, Town of Brunswick, Rensselaer County.

OPR Report #175, 02PR4886. *Cultural Resource Reconnaissance Survey for PIN 1001.28.121, BIN 1000202, NY 2 over Postenkill, Hamlet of Eagle Mills, Town of Brunswick, Rensselaer County, NY,* NYS Museum, 9/02 for FHWA. One historic site, A08302.000280 (Item 1, Site 29) within 3.15 acres.

OPR Report #179, 02PR3805. *Stage IB Cultural Resource Survey for Proposed South Troy Riverfront Pedestrian and Bicycle Trail Improvements. City of Troy, Rensselaer County, NY,* Hartgen Archeological Associates, 4/04 for EPF/PKS. No sites within 4.3 acres.

OPR Report #182, 04PR0220. *Stage IA/B Cultural Resource Survey for Hudson Iron Works Museum Restoration Project, Hudson Mohawk Industrial Gateway, One Industrial Parkway, City of Troy, Rensselaer County, NY,* 2004.

OPR Report #187, 01PR5874. *Stage IB Cultural Resource Survey for Proposed South Troy Industrial Park Road, City of Troy, Rensselaer County, NY,* Hartgen Archeological Associates, 10/04 for FHWA. One historic Site, A08340.001704 (Item 1, Site 8) within six acres.

OPR Report #194, 00PR2026 (Albany Co), *Archaeological Assessment of an Aboriginal Chert Blade Found near Building 19, Watervliet Arsenal, Town of Colonie, Albany County, NY,* Hartgen Archeological Associates, 5/00. One prehistoric site, A00142.000155 (Item 1, Site 12).

OPR Report #264, 99PR3617 (Albany Co). *Archaeological Investigations for Schuyler Flatts Cultural Park, Town of Colonie, Albany County, New York,* Hartgen Archeological Associates, 2002. One prehistoric site, A00104.000002 (Item 1, Site 16).

3. National Register eligible and listed properties within, adjacent or within view shed of project area:

   NRL – Brunswick – none near
   NRL – Troy: 90NR0992 Emma Willard School, 97NR1159 Henry Koon House (Walsh Residence/Stydenroth)
   NRL – Troy sites within 3.2 km: 90NR0980 Upper Burden Iron Works, Schuyler Flatts, 90NR0979 Postenkill Gorge Historic District

4. Inventoried structures within, adjacent or within view shed of project area:

   Brunswick – none near

   ~~08340.001580, Pawling Avenue, Upper Mill Dam (No form available)~~
   08340.001581, Pawling Avenue, Mt. Ida Dam, Falls, etc. – (No form available) – a portion of this falls within the NRL Postenkill Gorge Historic District, however outside proposed project limits
   08340.000139, Pawling Avenue; south intersection Pinewood Ave, Stapleton House (No form available)
   08340.000140, 171 Pawling Avenue, Henry Koon House (NRL – nomination attached and inventory form attached)

   08340.000087 D07, Pawling Avenue, Emma Willard School (NRL – nomination attached). Each building has its own USN and inventory form.
   Those closest to the proposed project area are attached:
   08340.000085 (Building 27, 174 Elmgrove Ave – corner of Pinewoods Ave) is NRL
   08340.000086 D07 (Potwine House, Building 28, 162 Pinewoods Ave) is NRL
   08340.000082 D07 (Tangeman Apartments; Building 22, 285 Pawling Ave) is non-contributing building within the district.

5. National Register staff comments and concerns:

   Not available for comments at this time.

CONFIDENTIAL (not for public release)

Item 1. Archaeological Site Table. Carriage Hill Estates Project, City of Troy (08340) and Town of Brunswick (08302), Rensselaer County. Troy South Quadrangle. Page 1 of 2.

Site Number	Site Name	Distance from project area / distance from water	Elevation (amsl) Slope	Cultural Affiliation / Site Type	Testing / Artifacts	Report
1) A08302.000210	Carriage Hill 2	183 m (600 ft) N / 61 m (200 ft) N of creek	Approx 122 m (400 ft); gentle	No form		
2) A08302.000211	Carriage Hill 3	0.8 km (0.5 mi) N / 366 m (1200 ft) N of creek	" flat	No form		
3) A08302.000214	Carriage Hill 6	107 m (350 ft) N / 30 m (100 ft) S of creek	" gentle	No form		
4) NYSM 8357		General area 0.6 km (0.4 mi) N / near creek	" moderate	No information	Noted as an 'x' on museum site map	None
5) historic A08340.000089 D07	Poestenkill Gorge Historic District	0.6 km (0.4 mi) NW / adj Poestenkill	Approx 107 m (350 ft); flat-moderate	Hydraulic industrial and worker housing remains **NR Listed (90NR0979)**	Surface and units (RPI)	None
6) prehistoric NYSM 4567	ACP RENS-19	Lg general area 0.5 km (0.3 mi) + W-SW / 305 m (1000 ft) + S of Postenkill	107-137 m (350-450 ft); flat-moderate	Unidentified prehistoric Village	Extensive in size	Documented by Parker
7) prehistoric NYSM 7372	ACP RENS	Lg general area 1.6 mi (1 mi) SW / east side Hudson River	"	Unidentified prehistoric Camp	No information	"
8) historic A08340.001704	Rensselaer Iron Works	1.9 km (1.2 mi) W / 152 m (500 ft) E of Hudson River	Approx 122 m (400 ft); gentle	19th century iron works	Backhoe trench: 2 features of hand molded brick: one circular base and another footing to a structure	OPR Report #187; 01PR5874
9) A08340.001073		1.3 km (0.8 mi) NW / 640 ft (2100 ft) N of Poestenkill	" flat	No form; not in SPHINX	Site or error?	
10) historic A08340.000007		1.9 km (1.2 mi) NW / 335 m (1100 ft) E of Hudson River	" gentle	Extant 1835 building; first commercial laundry (Independence & Sparks) in US	None	None
11) historic A08340.000008		2.3 km (1.4 mi) NW / 76 m (250 ft) E of Hudson River	Approx 107 m (350 ft); gentle	Extant building c. 1825-35; first detachable collar manufacturer and beginning of Troy shirt industry	None	None
12) prehistoric A00142.000155	Watervliet Arsenal Area SE of Building 19	2.6 km (1.6 mi) W / 152 m (500 ft) W of Hudson River	15 m (50 ft); flat	Unidentified prehistoric; likely Early Woodland Stray find within NRL property	18 cm (7.5 in) long chert blade found by employee planting bush. Archaeologist sifted through disturbed soils-no other finds	OPR Report #194; 00PR2026
13) prehistoric A08340.000063		2.3 km (1.4 mi) SW / N side Wynantskill at confluence Hudson	61 m (200 ft); gentle	Unidentified prehistoric Village	No information	Documented by Parker
14) historic A08340.000024	Upper Burden Iron Works	2.3 km (1.4 mi) SW / 152 m (500 ft) S of Wynantskill	"	1851-52 iron foundry ruins and giant water wheel. **NR Listed**	No information	None
15) prehistoric NYSM 4571	ACP RENS-23	Lg general area 0.8 km (0.5 mi) S / both sides Wynantskill	98-107 m (320-350 ft); flat-moderate	Unidentified prehistoric Village and unidentified	Abundant stone articles	Documented by Parker

Parker, Arthur C "History of the Archaeology of New York State," NYS Museum Bulletins 238-239; 1920-22.

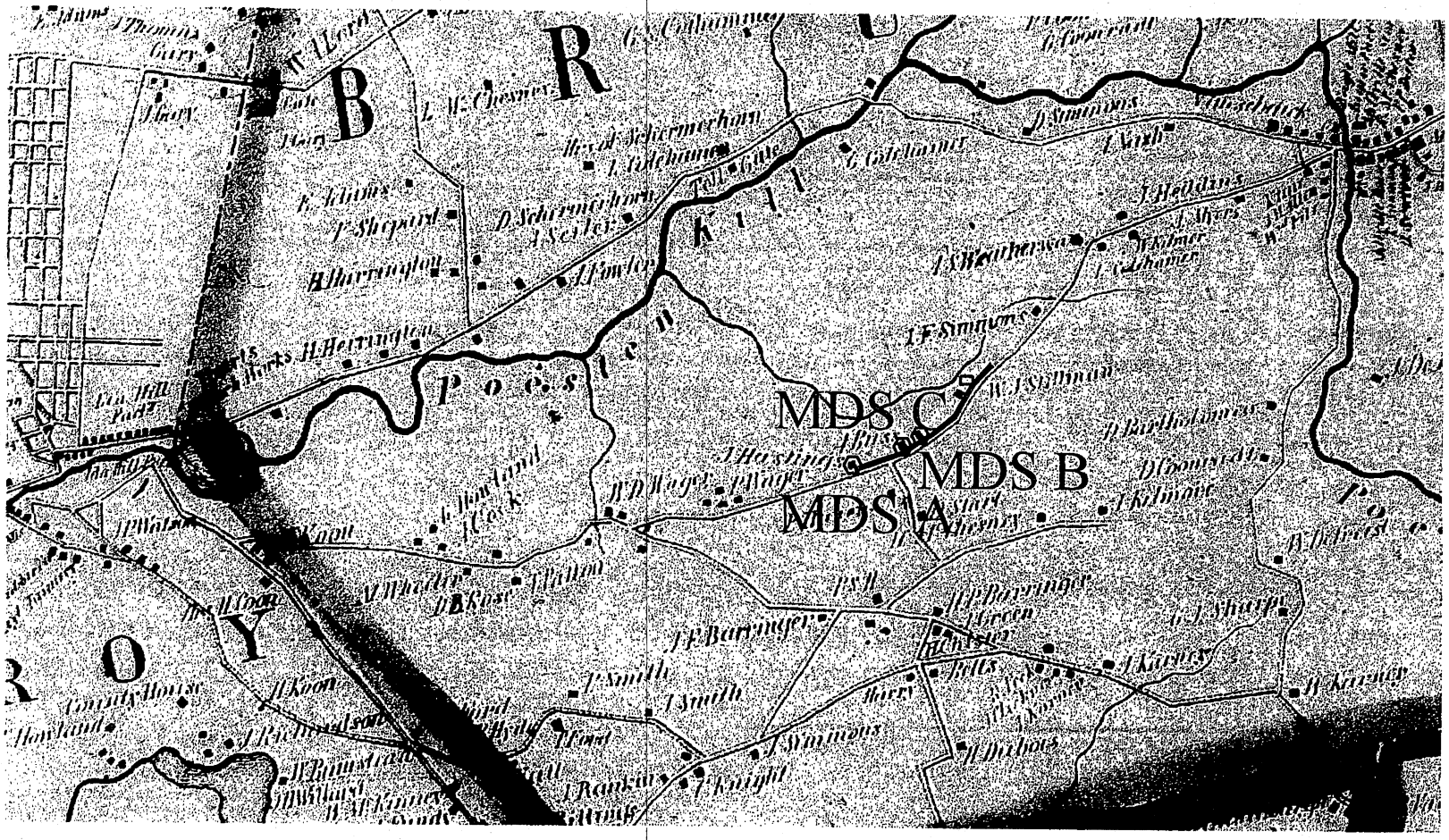
Item 1. . . .aeological Site Table. Carriage Hill Estates Project, City of Troy (08340) and Town of Brunswick (08302), .ensselaer County. Troy South Quadrangle. Page 2 of 2.

Site Number	Site Name	Distance from project area / distance from water	Elevation (amsl) Slope	Cultural Affiliation / Site Type	Testing / Artifacts	Report
16) prehistoric & historic A00104.000002 NYSM 1631	Schuyler Flatts Site; TRY 1-1	3.2 km (2 mi) SW / approximately 61 m (200 ft) W of Hudson River	Approx 61 m (200 ft); flat	Transitional and Late Woodland (Owasco) and 17th century euroamerican Camp, burials and houses **NR Listed (90NR2789)**	Ruins of 1643 Arent Van Curler house; sold to Philip Schuyler 1672 and in that family for 200 years. Euroamerican domestic & building materials, Native American materials include pottery & projectile points, refuse pits with bone (mostly fish) and shell (including fresh water clam)	OPR Report # 2 6 4 ; 99PR3617
17) A08302.000212	Carriage Hill #4	1.1 km (0.7 mi) N / 274 m (1400 ft) SE of Poestenkill	Approx 91 m (300 ft); gentle	No form		
18) A08302.000213	Carriage Hill #5	1.1 km N / 335 m (1100 ft) S of Poestenkill	"	No form		
19) A08302.000209	Carriage Hill #1	1.1 km N / 305 m (1000 ft) S of Poestenkill	"	No form		
20) historic A08307.000011		2.9 km (1.8 mi) S / 61 m (200 ft) W of Wynantskill	91 m (300 ft); flat	Late 18th century ruins of a farm complex	No information	Wynantskill Sewer 1976
21) NYSM 8358		1.9 km (1.2 mi) N / 1067 m (3500 ft) E of Hudson River	Approx 107 m (350 ft); flat	No information	Marked as an 'x' on NYSM site map	
22) historic A08340.000064	ALB-43; B&M RR Site	2.4 km (1.5 mi) N-NW / 335 m (1100 ft) E of Hudson River	61 m (200 ft); flat	19th century railroad remains include rubble of stone bridge	Stps	OPR Report #6
23) historic A08340.000065	A L B - 4 4 ; Vanderheyden	2.4 km N-NW / 15 m (50 ft) E of Hudson River	"	No visible evidence of building plotted on 1791 map	No testing – area paved	OPR Report #6
24) HNA? A00144.000018	Green Island Bridge Site	2.7 km (1.7 mi) NW / 61 m (200 ft) W Hudson River	"	Native American (historic or prehistoric – no information) skeletons reported found in 1835 when bridge constructed	None	Documente d in OPR Report #15
25) prehistoric NYSM 2795	ACP ALBY-12	Lg general area 2.7 km (1.7 mi)+ NW / W bank Hudson River	Approx 61 m (200 ft); gentle	Unidentified prehistoric 'early' camp	Crude fishing and hunting implements	Documente d by Parker
26) prehistoric NYSM 9023		Very lg general area 2.7 km NW – extends N along both sides of Hudson River	"	Late Archaic and Transitional Stray finds	Collector reported Genesee projectile point	None
27) prehistoric NYSM 2796	ACP ALBY-13	2.6 km (1.6 mi) W / 457 m (1500 ft) W Hudson River	Approx 61 m (200 ft); flat	Possible Early Woodland Large camp	Artifacts include spears, scrapers, projectile points and a few polished slate stones	None
Averill Park Quad						
28) NYSM 7496		General area 1.6 km (1 mi) E / adj both sides Poestenkill	Approx 149 m (490 ft); flat	No information	Marked as an 'x' on NYSM site map	None
28) historic A08302.000208		1.9 km (1.1 mi) NE / adj W of Poestenkill	Approx 146 m (480 ft); flat	19th century Eagle Four Mill/Planter's Hoe Company site	No information	OPR Report # 1 7 5 ; 02PR4886

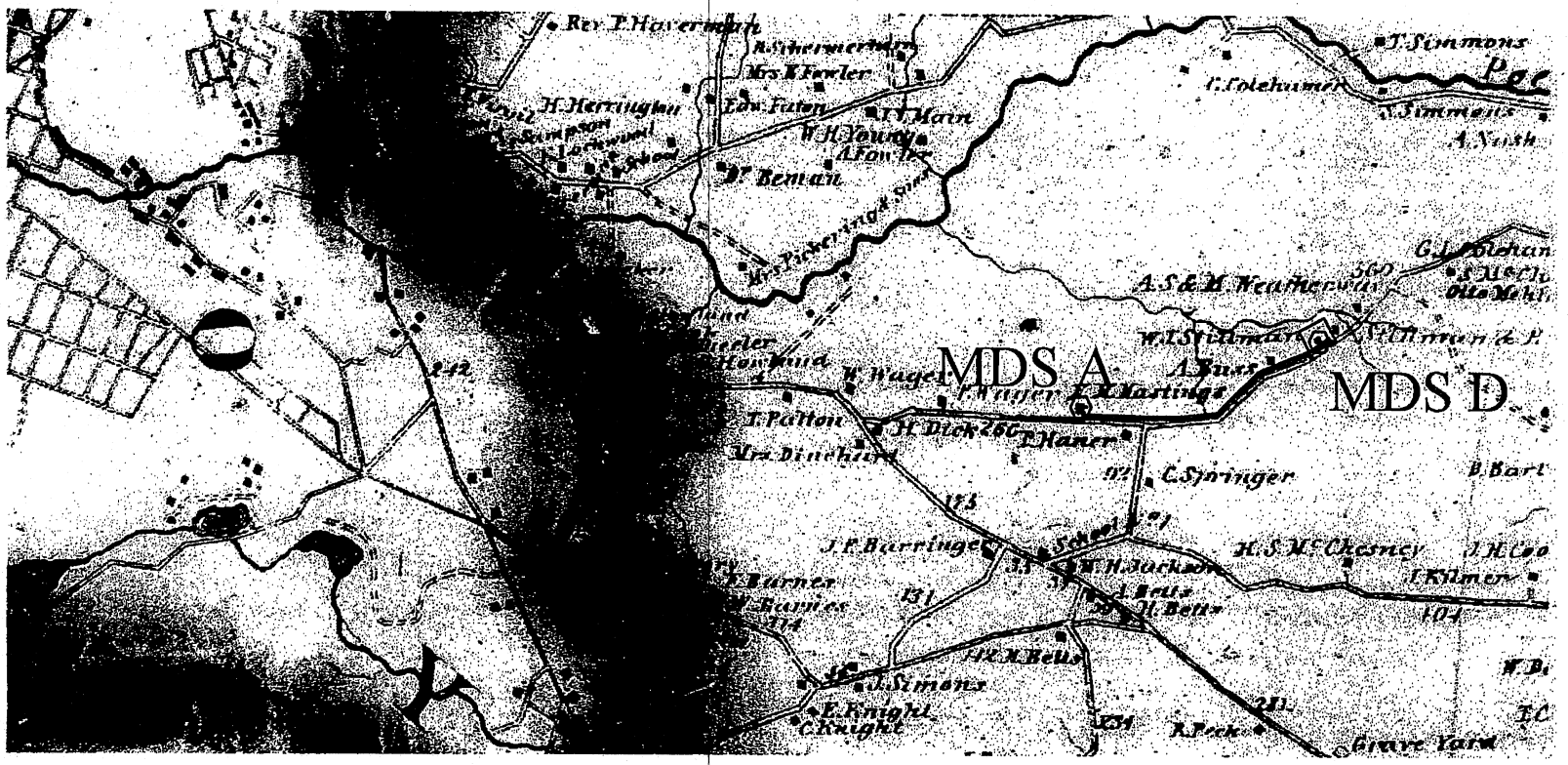
Parker, Arthur C "History of the Archaeology of New York State," NYS Museum Bulletins 283-239: 1920-22.

Attachment D: Historic Maps

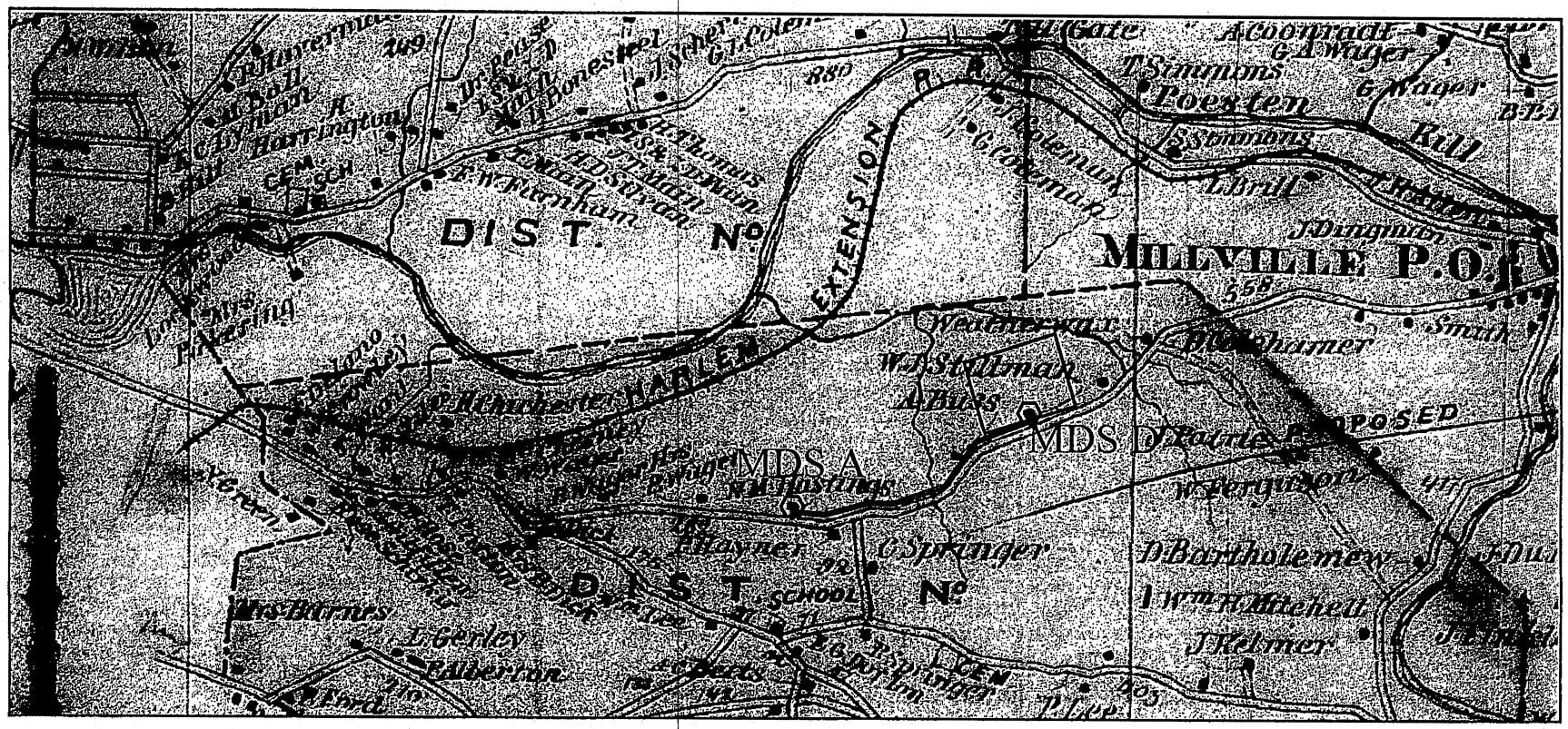
D.1. 1854 Rogerson Map of Rensselaer County (project location highlighted in red)



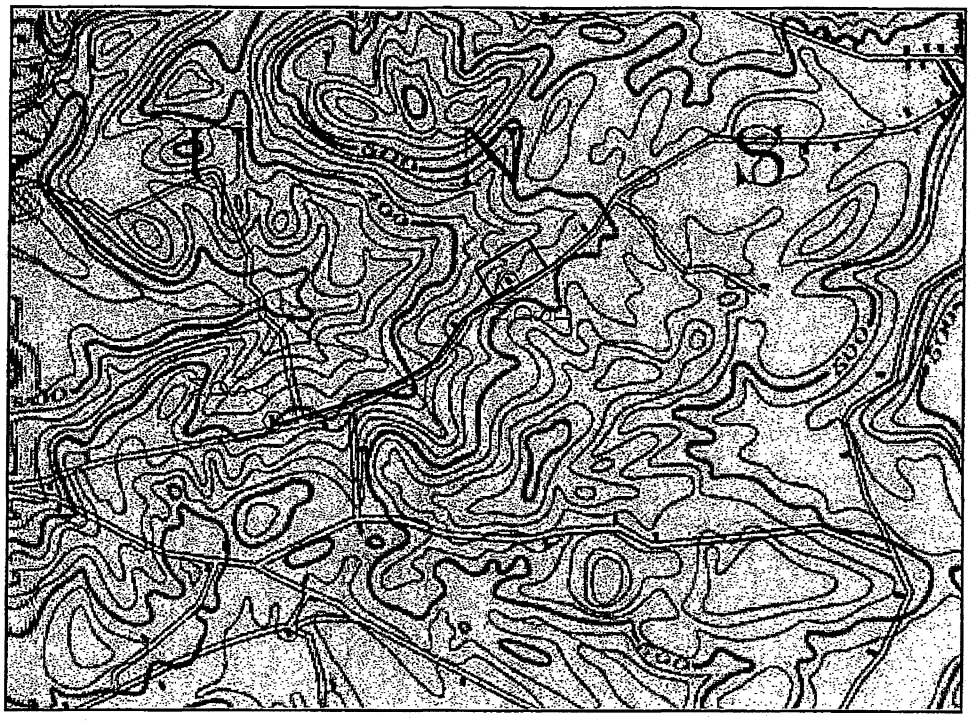
D.2. 1861 Lake and Beers Map of Rensselaer County (project location highlighted in red).



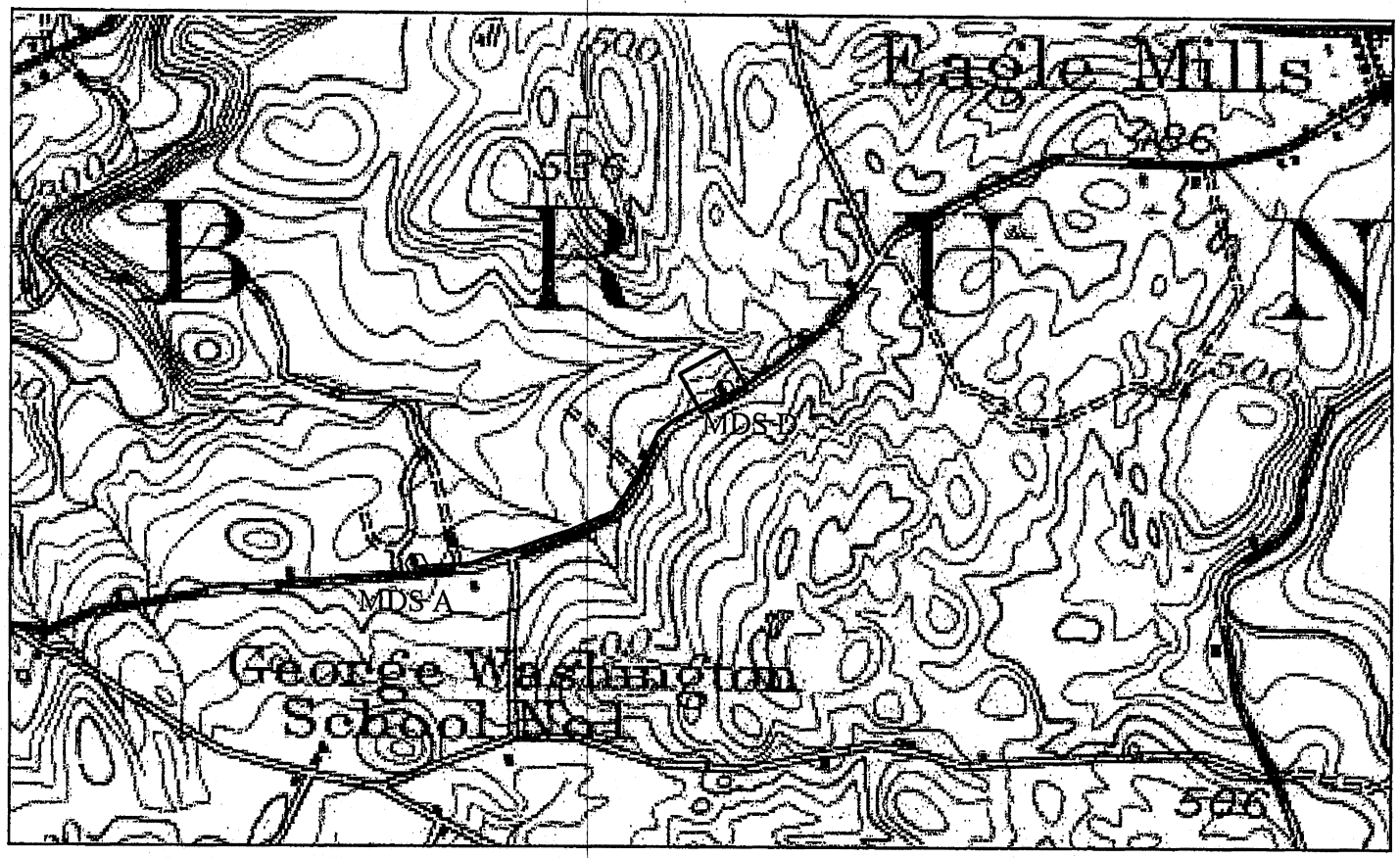
D.3. 1876 Beers Map of Rensselaer County (project location highlighted in red).



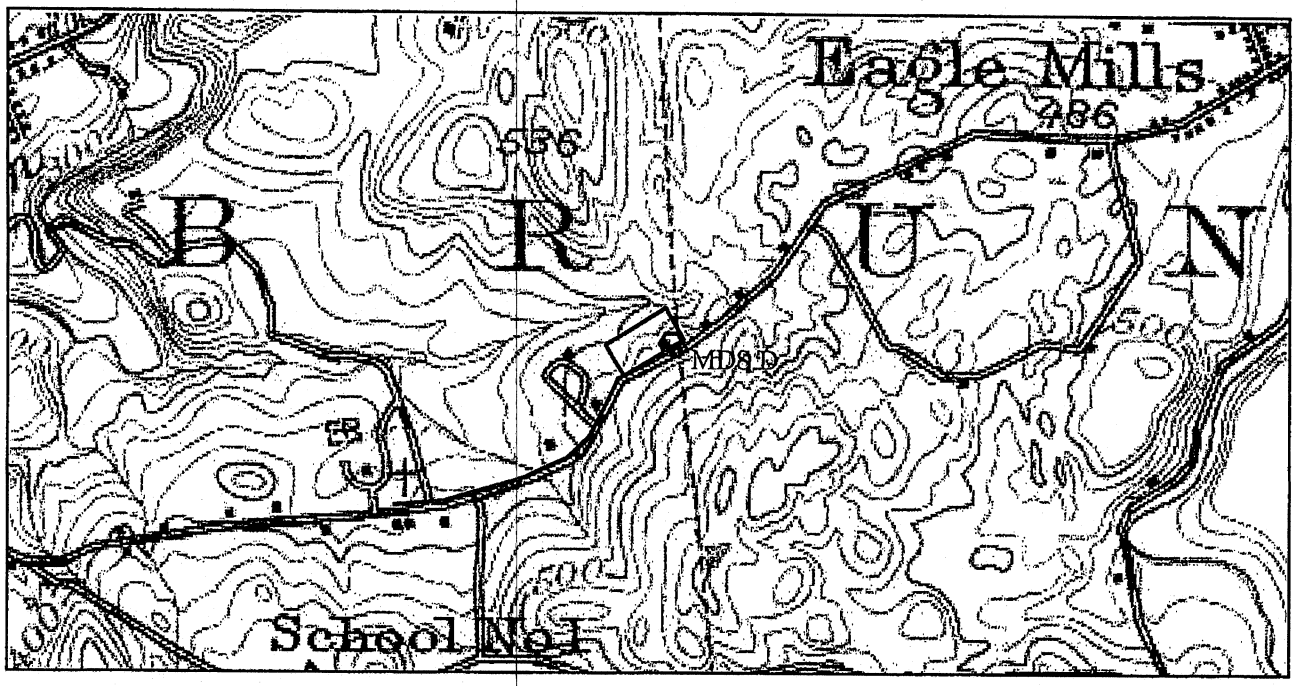
D.4: 1893 USGS Troy, 15' quadrangle (project location highlighted in red).



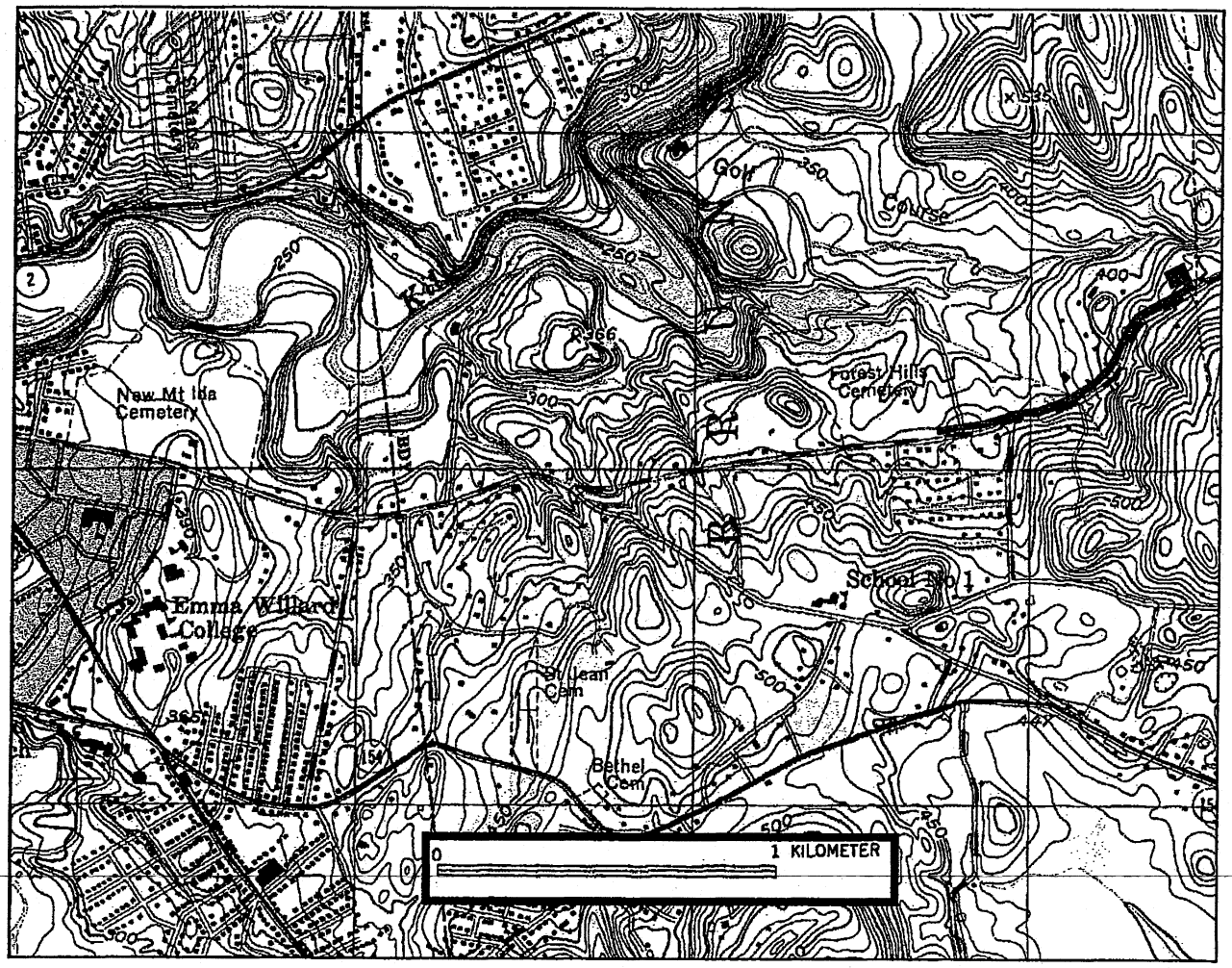
D.5: 1928 USGS Troy, 15' quadrangle (project location highlighted in red).

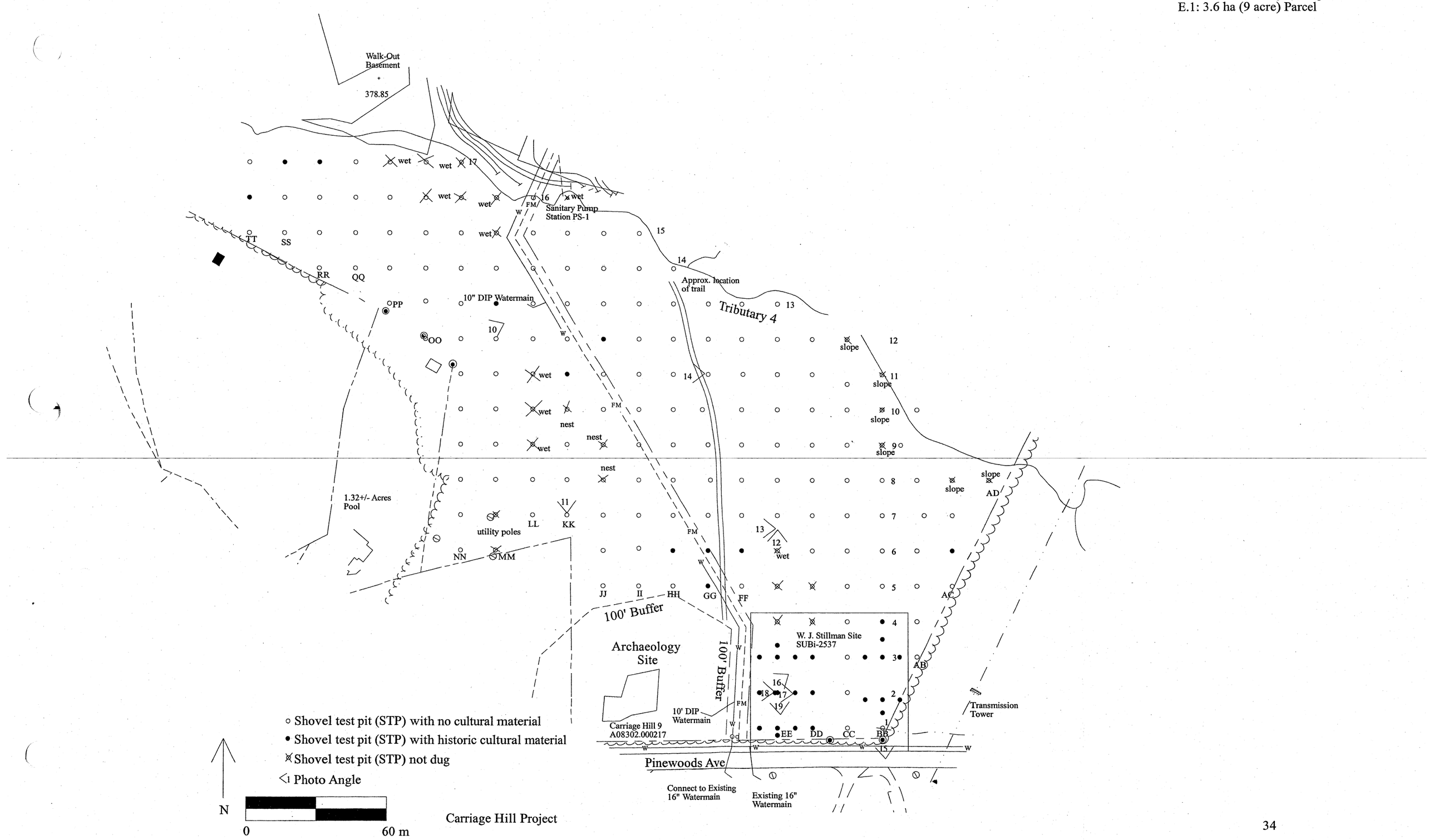


D.6: 1950 USGS Troy, 15' quadrangle (project location highlighted in red).



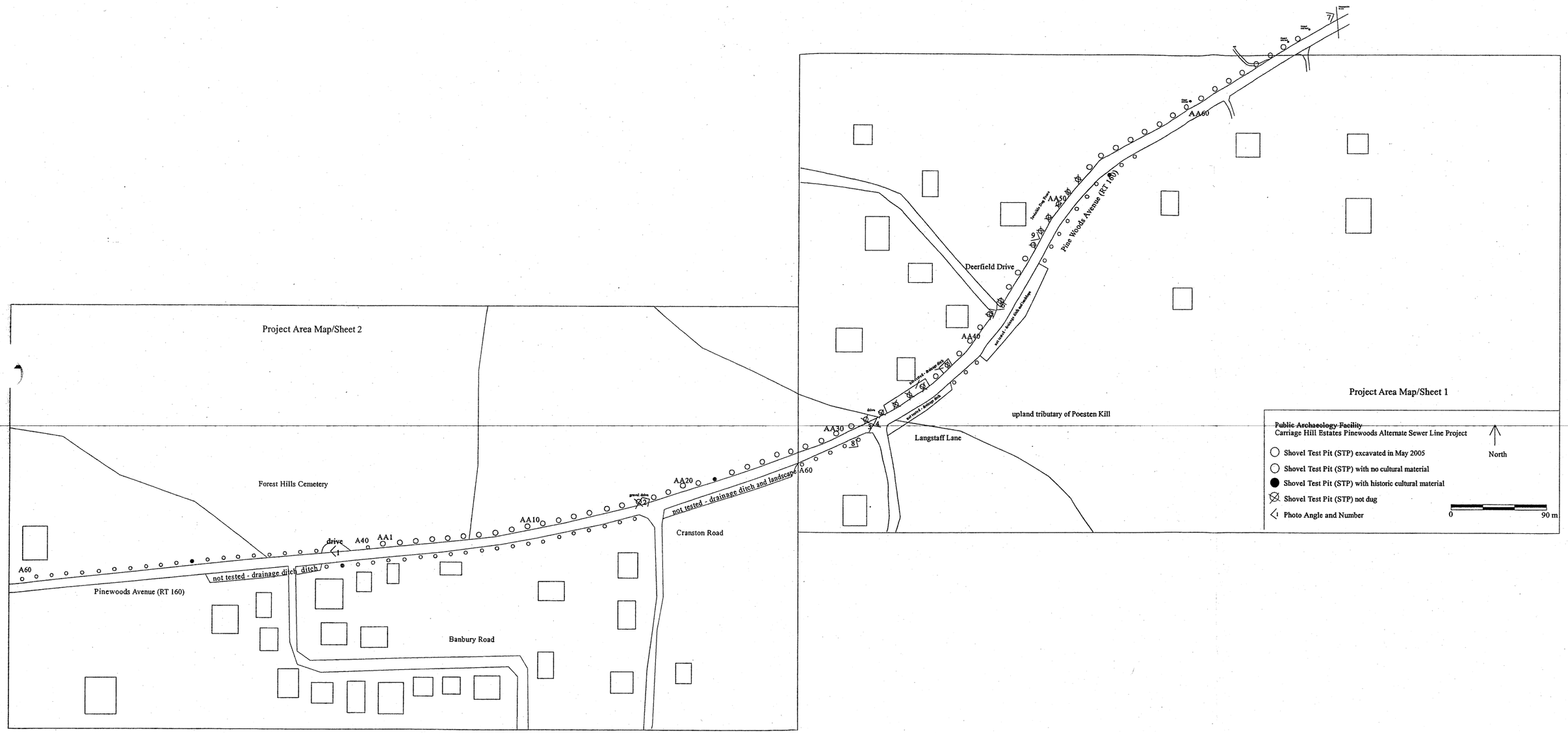
D.7: USGS 1953 Troy South, New York, New York 7.5 Minute Topographic Map (Photorevised 1980) (project location highlighted in red).





Carriage Hill Project

E.2: Proposed Sewer Line along Pinewoods Avenue.



Attachment F: STP Soil Record

PA=PALE LT=LIGHT MD=MEDIUM DK=DARK
BL=BLUE BR=BROWN GR=GRAY YL=YELLOW OL=OLIVE TN=TAN RD=RED BK=BLACK WH=WHITE
SI=SILT SA=SAND CL=CLAY LO=LOAM GVL=GRAVEL
P=PREHISTORIC H=HISTORIC N=NO CULTURAL MATERIAL
DISC.=DISCARDED

STP	LTR	4-RND	LEVEL	DEPTH (CM)	SOIL DESCRIPTION	CM	CREW	DATE
AA1			1	0-11	GR BR SA SI LO; ROAD FILL; PLASTIC, ASPHALT - DISC.	N	GD/MB	08/11/2005
AA1			2	11-27	YL BR SA SI LO; ROAD FILL	N	GD/MB	08/11/2005
AA2			1	0-18	GR BR COMPACT ROAD FILL; PLASTIC - DISC.	N	GD/MB	08/11/2005
AA2			2	18-23	RD BR COMPACT SA SI W/ROCKS & GVL; STOPPED BY ROCKS	N	GD/MB	08/11/2005
AA3			1	0-20	GR BR SA SI W/GVL; FILL; PLASTIC, ASPHALT - DISC.	N	MJ/VL	08/11/2005
AA3			2	20-35	YL BR SA SI; FILL	N	MJ/VL	08/11/2005
AA4			1	0-30	MD BR SA SI W/ROCKS & ROOTS; ASPHALT - DISC.; STOPPED BY ROCKS	N	LM/JM	08/11/2005
AA5			1	0-26	DK BR SI LO W/ROCKS; STOPPED BY ROCKS	N	GD/MB	08/11/2005
AA6			1	0-22	GR BR SA SI W/GVL; FILL	N	MJ/VL	08/11/2005
AA6			2	22-34	YL BR SA SI W/ROCKS; STOPPED BY ROCKS	N	MJ/VL	08/11/2005
AA7			1	0-10	MD BR SI LO W/GVL; STOPPED BY UTILITIES	N	GD/MB	08/11/2005
AA8			1	0-20	GR BR SA SI LO; ROAD FILL; STOPPED BY ROCKS	N	GD/MB	08/11/2005
AA9			1	0-25	GR BR COMPACT SA SI; ASPHALT - DISC.; STOPPED BY ROCK	N	LM/JM	08/11/2005
AA10			1	0-18	MD GR BR COMPACT SA SI W/GVL; FILL	N	MJ/VL	08/11/2005
AA10			2	18-37	YL BR COMPACT SA SI W/GVL; FILL	N	MJ/VL	08/11/2005
AA11			1	0-22	MD BR SA SI W/ROCKS, ROOTS, & PEBBLES; PLASTIC - DISC.	N	GD/MB	08/11/2005
AA11			2	22-25	YL BR COMPACT SA SI W/PEBBLES	N	GD/MB	08/11/2005
AA12			1	0-10	LT BR SA SI; ASPHALT - DISC.; STOPPED BY WIRE	N	LM/JM	08/11/2005
AA13			1	0-25	GR ROCKY ROAD FILL; STOPPED BY ROCKS	N	GD/MB	08/11/2005
AA14			1	0-27	LT GR BR SA SI W/GVL & ROCKS; FILL; PLASTIC, SODA BOTTLE - DISC.; STOPPED BY ROCKS	N	MJ/VL	08/11/2005
AA15			1	0-15	MD BR SI LO W/GVL & ROCKS	N	GD/MB	08/11/2005
AA15			2	15-26	YL BR SI LO W/ROCKS	N	GD/MB	08/11/2005
AA16			1	0-30	LT GR BR SA SI W/GVL; FILL	N	MJ/VL	08/11/2005
AA18			1	0-24	GR BR SI SA; ASPHALT - DISC.; STOPPED BY ROCK	N	LM/JM	08/11/2005
AA19			1	0-13	GR BR SA CL LO; ROAD FILL; STOPPED BY ASPHALT	N	GD/MB	08/11/2005
AA20	A		1	0-14	GR BR SA SI LO W/GVL; ASPHALT - DISC.; STOPPED BY ASPHALT	N	GD/MB	08/11/2005
AA20	B		1	0-11	MD GR BR SI LO W/ROOTS; STP MOVED 1mN; STOPPED BY VERY LG.ROOT	N	GD/MB	08/11/2005
AA21			1	0-15	GR BR SI SA W/ROCKS; CLEAR BOTTLE GLASS, PLASTIC - DISC.	N	LM/JM	08/11/2005
AA21			2	15-33	SLIGHTLY DARKER GR BR WET SI SA W/ROCKS	N	LM/JM	08/11/2005
AA22			1	0-24	MD GR BR SA SI W/GVL; FILL	H	MJ/VL	08/11/2005
AA22			2	24-40	DK YL BR SI LO	N	MJ/VL	08/11/2005
AA23			1	0-30	GR BR SA CL LO; STOPPED BY ROCKS	N	GD/MB	08/11/2005
AA24			1	0-30	MD GR BR SA SI W/GVL; FILL	N	MJ/VL	08/11/2005

STP	LTR	4-RND	LEVEL	DEPTH (CM)	SOIL DESCRIPTION	CM	CREW	DATE
AA24			2	30-50	MD BR SA SI W/GVL; FILL	N	MJ/VL	08/11/2005
AA25			1	0-23	GR BR SA SI; ASPHALT, BEER BOTTLE GLASS - DISC.	N	LM/JM	08/11/2005
AA25			2	23-50	BR SA	N	LM/JM	08/11/2005
AA25			3	50-65	BR SA	N	LM/JM	08/11/2005
AA26			1	0-25	MD GR BR SI LO W/GVL; STP MOVED 1mN; PLASTIC, RUBBER - DISC.	N	GD/MB	08/11/2005
AA26			2	25-36	MD GR BR SI LO W/GVL; PLASTIC - DISC.	N	GD/MB	08/11/2005
AA26			3	36-59	DK GR BR SI LO W/ROCKS; PLASTIC - DISC.	N	GD/MB	08/11/2005
AA27			1	0-19	GR BR SI LO; ROAD FILL; PLASTIC, ASPHALT, ALUMINUM - DISC.	N	GD/MB	08/11/2005
AA27			2	19-30	DK BR SI CL LO; ROAD FILL	N	GD/MB	08/11/2005
AA28			1	0-25	MD GR BR SA SI W/GVL & ROCKS; FILL; ASPHALT, STYROFOAM - DISC.	N	MJ/VL	08/11/2005
AA28			2	25-33	MD GR BR SA SI W/GVL & ROCKS; FILL; STOPPED BY ROCK	N	MJ/VL	08/11/2005
AA29			1	0-17	GR BR SI LO W/ROAD FILL; BEER BOTTLE GLASS, PLASTIC - DISC.	N	GD/MB	08/11/2005
AA29			2	17-27	YL GR BR SI LO W/ROAD FILL & LG.ROCKS; PLASTIC - DISC.; STOPPED BY ROCK	N	GD/MB	08/11/2005
AA30			1	0-31	LT GR BR SA SI W/MANY ROCKS; ASPHALT - DISC.; STOPPED BY ROCKS	N	LM/JM	08/11/2005
AA31			1	0-25	MD GR BR SA SI W/GVL; FILL; PLASTIC - DISC.	N	MJ/VL	08/11/2005
AA31			2	25-50	MD GR BR SA SI W/GVL; FILL	N	MJ/VL	08/11/2005
AA37			1	0-25	GR BR SI LO; ROAD FILL	N	GD/MB	08/11/2005
AA37			2	25-37	DK BR SI CL LO	N	GD/MB	08/11/2005
AA39			1	0-40	GR BR SI LO; STOPPED BY ROCKS	N	GD/MB	08/10/2005
AA40			1	0-22	GR RD LOOSE FILL	N	GD/MB	08/10/2005
AA40			2	22-46	GR BR COMPACT SI LO W/ROCKS	N	GD/MB	08/10/2005
AA41			1	0-21	GR BR SI LO; STOPPED BY ROCKS	N	GD/MB	08/10/2005
AA44			1	0-19	GR BR SI LO W/FILL GVL; FOIL - DISC.	N	GD/MB	08/10/2005
AA44			2	19-24	YL GR BR COMPACT SI LO W/ROCKS; STOPPED BY ROCKS	N	GD/MB	08/10/2005
AA45			1	0-11	GR BR SI LO W/ASPHALT/FILL	N	GD/MB	08/10/2005
AA45			2	11-27	YL BR GR VERY COMPACT SI LO W/ROCK	N	GD/MB	08/10/2005
AA46			1	0-20	BR SI LO W/FILL & ASPHALT; STOPPED BY ASPHALT	N	GD/MB	08/10/2005
AA47					NOT DUG - DUE TO INVISIBLE DOG FENCE		GD/MB	08/10/2005
AA48					NOT DUG - DUE TO INVISIBLE DOG FENCE		GD/MB	08/10/2005
AA49					NOT DUG - DUE TO INVISIBLE DOG FENCE		GD/MB	08/10/2005
AA50					NOT DUG - DUE TO INVISIBLE DOG FENCE		GD/MB	08/10/2005
AA51					NOT DUG - DUE TO INVISIBLE DOG FENCE		GD/MB	08/10/2005
AA52					NOT DUG - DUE TO INVISIBLE DOG FENCE		GD/MB	08/10/2005
AA53					NOT DUG - DUE TO ASPHALT FILL		GD/MB	08/10/2005
AA54			1	0-6	VERY DK GR BR SI LO W/FILL; PLASTIC - DISC.	N	GD/MB	08/10/2005
AA54			2	6-20	GR LOOSE SI LO W/ROCKS; ASPHALT, PLASTIC - DISC.	N	GD/MB	08/10/2005
AA54			3	20-24	MD BR COMPACT SA SI W/PEBBLES; STOPPED BY ROCKS	N	GD/MB	08/10/2005

STP	LTR	4-RND	LEVEL	DEPTH (CM)	SOIL DESCRIPTION	CM	CREW	DATE
AA55			1	0-25	GR BR SI LO; ASPHALT, BRICK - DISC.; STOPPED BY ROCKS	N	GD/MB	08/10/2005
AA56			1	0-16	GR BR SI LO W/GVL	N	GD/MB	08/10/2005
AA56			2	16-23	YL BR COMPACT SI LO W/ROCKS	N	GD/MB	08/10/2005
AA57			1	0-17	GR BR COMPACT SI LO W/GVL	N	GD/MB	08/10/2005
AA57			2	17-26	YL BR COMPACT SI LO W/ROCKS & GVL	N	GD/MB	08/10/2005
AA58			1	0-23	OL BR SI LO W/ROAD FILL; ALUMINUM, ASPHALT - DISC.	N	GD/MB	08/10/2005
AA59			1	0-24	OL BR SI LO W/ROAD FILL; ASPHALT - DISC.; STOPPED BY ASPHALT	N	GD/MB	08/10/2005
AA60			1	0-13	GR BR COMPACT SI LO W/GVL; PLASTIC, ASPHALT, STYROFOAM - DISC.	N	GD/MB	08/10/2005
AA60			2	13-23	YL BR COMPACT SI LO W/ROCKS	N	GD/MB	08/10/2005
AA61			1	0-22	GR BR SI LO W/ROAD FILL; ASPHALT - DISC.; STOPPED BY ASPHALT	N	GD/MB	08/10/2005
AA62			1	0-12	GR BR COMPACT SI LO W/GVL	N	GD/MB	08/10/2005
AA62			2	12-23	YL BR COMPACT SI LO W/ROCKS	N	GD/MB	08/10/2005
AA63			1	0-12	GR BR COMPACT SI LO W/GVL	N	GD/MB	08/10/2005
AA63			2	12-21	YL BR COMPACT SI LO W/ROCKS	N	GD/MB	08/10/2005
AA64			1	0-24	GR BR SI LO W/ROAD FILL; PLASTIC, RUBBER, BEER BOTTLE GLASS, BARBED WIRE - DISC.; STOPPED BY ROCKS	N	GD/MB	08/10/2005
AA65			1	0-25	GR SI LO W/ROAD FILL; PLASTIC, BEER BOTTLE GLASS, STYROFOAM, FOIL, ASPHALT - DISC.	N	GD/MB	08/10/2005
AA65			2	25-36	YL BR SI LO W/ROCKS; STOPPED BY ROCKS	N	GD/MB	08/10/2005
AA66			1	0-20	GR BR SI LO W/ROAD FILL; STOPPED BY ROCKS	N	GD/MB	08/10/2005
AA67			1	0-23	GR SI LO W/GVL; PLASTIC, ALUMINUM CAN - DISC.	N	GD/MB	08/10/2005
AA67			2	23-32	YL GR SI LO W/ROCKS; STOPPED BY ROCKS	N	GD/MB	08/10/2005
AA68			1	0-28	GR SI LO W/ROAD FILL; PLASTIC, MODERN GLASS - DISC.; STOPPED BY ROCKS	N	GD/MB	08/10/2005
AB3			1	0-23	MD YL GR BR SI LO W/ROCKS; STOPPED BY ROCKS	N	GD/MB	08/08/2005
AB4			1	0-20	GR BR HUMIC SI LO; STOPPED BY ROCKS	N	GD/MB	08/08/2005
AB5			1	0-25	YL GR BR SI LO W/FEW PEBBLES	N	GD/MB	08/08/2005
AB5			2	25-33	YL GR BR SI LO W/FEW PEBBLES; STOPPED BY ROOTS	N	GD/MB	08/08/2005
AB6			1	0-16	MD GR BR SI LO	N	GD/MB	08/09/2005
AB6			2	16-26	YL BR SI LO	N	GD/MB	08/09/2005
AB7			1	0-8	MD GR BR SI LO	N	GD/MB	08/09/2005
AB7			2	8-26	YL BR SI LO	N	GD/MB	08/09/2005
AB8			1	0-9	DK GR BR SI LO W/ROOTS	N	GD/MB	08/08/2005
AB8			2	9-30	YL BR SI LO W/ROOTS	N	GD/MB	08/08/2005
AB9			1	0-30	OL BR SI LO; STOPPED BY ROCK	N	GD/MB	08/08/2005
AB10			1	0-9	MD GR BR SI LO	N	GD/MB	08/08/2005
AB10			2	9-29	YL BR SI LO W/ROCKS	N	GD/MB	08/08/2005
AB10			3	29-49	YL BR SI LO W/ROCKS	N	GD/MB	08/08/2005
AB10			4	49-58	YL BR SI LO W/ROCKS; STOPPED BY ROCKS	N	GD/MB	08/08/2005
AC5			1	0-31	GR BR SI LO; STOPPED BY ROOTS	N	GD/MB	08/08/2005

STP	LTR	4-RND	LEVEL	DEPTH (CM)	SOIL DESCRIPTION	CM	CREW	DATE
AC6			1	0-13	MD GR BR SI LO W/ROOTS	H	GD/MB	08/08/2005
AC6			2	13-30	YL GR BR SI LO W/ROOTS	N	GD/MB	08/08/2005
AC7			1	0-22	GR BR SI LO	N	GD/MB	08/08/2005
AC7			2	22-37	OL BR SI LO	N	GD/MB	08/08/2005
BB1			1	0-23	MD GR BR SI SA W/ROCKS & ROOTS; BRICK - DISC.	N	MB/GD	08/08/2005
BB1			2	23-32	MD GR YL SI W/ROCKS & ROOTS; STOPPED BY ROOTS	N	MB/GD	08/08/2005
BB2			1	0-27	MD GR BR SI LO; 4 WHOLE BRICKS (NEAR POSSIBLE BURIED FOUNDATION W/MORTAR & CEMENT) - DISC.	H	MB/GD	08/08/2005
BB2			2	27-40	LT OL BR SI LO; BRICK - DISC.; STOPPED BY ROCKS	H	MB/GD	08/08/2005
BB2		6.5mS	1	0-40	MD GR BR SI LO; BRICK, CHARCOAL - DISC.	H	MB/GD	08/08/2005
BB2		7.5mE	1	0-30	MD OL BR SI LO; BRICK - DISC.; STOPPED BY ROCKS	H	GD/MB	08/08/2005
BB2		7.5mW	1	0-19	VERY DK GR BR SI LO W/ROCKS; BRICK, COAL, SLAG, CHARCOAL - DISC.	H	MB/GD	08/08/2005
BB2		7.5mW	2	19-47	MD OL BR SI LO	N	MB/GD	08/08/2005
BB3			1	0-22	MD GR BR SI SA LO W/ROOTS & ROCKS; STOPPED BY ROOTS	H	MB/GD	08/08/2005
BB3		7.5mE	1	0-12	MD GR BR SI LO W/ROCKS	H	GD/MB	08/10/2005
BB3		7.5mE	2	12-32	YL BR SI LO W/ROOTS & ROCKS	N	GD/MB	08/10/2005
BB3		7.5mN	1	0-17	GR BR SI LO; PLASTIC, FOIL - DISC.; STOPPED BY ROOTS	H	GD/MB	08/10/2005
BB3		7.5mW	1	0-25	MD GR BR YL SI LO W/ROCKS & ROOTS	H	GD/MB	08/10/2005
BB3		7.5mW	2	25-38	MD GR BR YL SI LO W/ROCKS & ROOTS; BRICK - DISC.; STOPPED BY ROCKS & ROOTS	H	GD/MB	08/10/2005
BB4			1	0-37	OL BR SI LO; STOPPED BY ROOTS	H	GD/MB	08/09/2005
BB5			1	0-20	MD GR BR SI LO W/ROOTS	N	GD/MB	08/09/2005
BB5			2	20-36	MD YL BR SI LO W/ROOTS & ROCKS	N	GD/MB	08/09/2005
BB6			1	0-15	MD GR BR SI LO	N	GD/MB	08/09/2005
BB6			2	15-32	YL BR SI LO	N	GD/MB	08/09/2005
BB7			1	0-16	MD BR GR SI LO W/ROOTS & ROCKS	N	GD/MB	08/09/2005
BB7			2	16-33	YL BR SI LO W/ROOTS & ROCKS	N	GD/MB	08/09/2005
BB8			1	0-9	MD GR YL BR SI LO W/ROOTS	N	GD/MB	08/08/2005
BB8			2	9-29	YL BR SI SA LO W/ROOTS	N	GD/MB	08/08/2005
BB8			3	29-49	YL BR SI SA LO W/ROOTS	N	GD/MB	08/08/2005
CC1			1	0-19	MD BR SI LO W/ROCKS; MODERN BEER BOTTLE GLASS - DISC.	N	VL/MJ	08/08/2005
CC1			2	19-40	YL BR SI LO W/ROCKS; STOPPED BY ROCK	N	VL/MJ	08/08/2005
CC2			1	0-18	MD BR SI LO W/ROCKS; BRICK - DISC.	N	VL/MJ	08/08/2005
CC2			2	18-34	YL BR SA SI W/ROCKS	N	VL/MJ	08/08/2005
CC3	A		1	0-10	MD BR SI LO W/ROCKS	N	VL/MJ	08/08/2005
CC3	A		2	10-30	YL BR SA SI W/ROCKS	N	VL/MJ	08/08/2005
CC3	B		1	0-20	BR SI LO W/ROOTS & ROCKS; STOPPED BY ROOT	N	VL/MJ	08/08/2005
CC4			1	0-10	VERY DK GR BR SI LO	N	VL/MJ	08/08/2005
CC4			2	10-40	DK GR BR WET SI LO; STOPPED BY STANDING WATER	N	VL/MJ	08/08/2005
CC5			1	0-20	BLUISH GR SI LO	N	VL/MJ	08/08/2005

STP	LTR	4-RND	LEVEL	DEPTH (CM)	SOIL DESCRIPTION	CM	CREW	DATE
CC5			2	20-30	DK YL BR WET SI LO; STOPPED BY STANDING WATER	N	VL/MJ	08/08/2005
CC6			1	0-30	MD YL BR SI LO	N	VL/MJ	08/08/2005
CC6			2	30-45	LT YL BR SI LO	N	VL/MJ	08/08/2005
CC7			1	0-21	LT BR SI LO W/ROOTS & ROCKS	N	VL/MJ	08/08/2005
CC7			2	21-33	YL BR SI W/ROOTS & ROCKS; STOPPED BY ROOTS	N	VL/MJ	08/08/2005
CC8			1	0-7	LT BR SI LO W/ROCKS	N	VL/MJ	08/08/2005
CC8			2	7-20	YL BR SI LO W/ROCKS; STOPPED BY ROCK	N	VL/MJ	08/08/2005
CC9			1	0-13	LT BR SI LO W/ROOTS & ROCKS	N	VL/MJ	08/08/2005
CC9			2	13-24	YL BR SI W/ROOTS & ROCKS	N	VL/MJ	08/08/2005
CC10			1	0-5	LT BR SI LO W/ROCKS	N	VL/MJ	08/08/2005
CC10			2	5-20	YL BR SI LO W/ROCKS	N	VL/MJ	08/08/2005
CC11			1	0-11	LT BR SI LO W/ROOTS & ROCKS	N	VL/MJ	08/08/2005
CC11			2	11-29	YL BR SA SI W/ROOTS & ROCKS; STOPPED BY ROOTS	N	VL/MJ	08/08/2005
DD1			1	0-20	LT BR SI LO W/ROCKS & ROOTS	H	MJ/VL	08/08/2005
DD1			2	20-36	YL BR SI LO W/ROCKS & ROOTS	N	MJ/VL	08/08/2005
DD2			1	0-18	DK BR SI LO W/ROCKS & ROOTS	H	MJ/VL	08/08/2005
DD2			2	18-28	LT GR BR SI LO W/ROCKS & ROOTS; STOPPED BY ROOT	N	MJ/VL	08/08/2005
DD3			1	0-22	LT BR SI LO	H	MJ/VL	08/08/2005
DD3			2	22-38	YL BR SI LO	N	MJ/VL	08/08/2005
DD4					NOT DUG - DUE TO STANDING WATER		MJ/VL	08/08/2005
DD5					NOT DUG - DUE TO STANDING WATER		MJ/VL	08/08/2005
DD6			1	0-26	VERY DK GR BR SI LO	N	MJ/VL	08/08/2005
~~DD6~~			~~2~~	~~26-42~~	~~YL BR WET SI LO~~	~~N~~	~~MJ/VL~~	~~08/08/2005~~
DD7			1	0-14	LT BR SI LO	N	MJ/VL	08/08/2005
DD7			2	14-31	YL BR SI LO	N	MJ/VL	08/08/2005
DD8			1	0-11	LT BR SI LO W/ROCKS & ROOTS	N	MJ/VL	08/08/2005
DD8			2	11-25	YL BR SI LO W/ROCKS & ROOTS; STOPPED BY ROOT	N	MJ/VL	08/08/2005
DD9			1	0-15	LT BR SI LO W/ROCKS & ROOTS	N	MJ/VL	08/08/2005
DD9			2	15-34	YL BR SI LO W/ROCKS & ROOTS	N	MJ/VL	08/08/2005
DD10			1	0-10	LT BR SI LO W/ROCKS & ROOTS	N	MJ/VL	08/08/2005
DD10			2	10-28	YL BR SI LO W/ROCKS & ROOTS	N	MJ/VL	08/08/2005
DD11			1	0-13	LT BR SI LO W/ROOTS & ROCKS	N	MJ/VL	08/08/2005
DD11			2	13-30	YL BR SI LO W/ROOTS & ROCKS	N	MJ/VL	08/08/2005
DD12			1	0-10	LT BR SI LO W/ROCKS & ROOTS	N	MJ/VL	08/08/2005
DD12			2	10-50	YL BR SI LO W/ROCKS & ROOTS; STOPPED BY ROCK	N	MJ/VL	08/08/2005
EE1			1	0-25	DK BR SI LO W/MANY LG.ROCKS; CHARCOAL, RUBBER, COAL, SLAG - DISC.	H	MJ/VL	08/09/2005
EE1			2	25-31	DK BR SI LO W/MANY LG.ROCKS; CHARCOAL, RUBBER, COAL, SLAG - DISC.; STOPPED BY ROCKS	H	MJ/VL	08/09/2005
EE1		3mS	1	0-12	LT BR SI W/ROCKS	H	JM/LM	08/10/2005
EE1		3mS	2	12-30	YL BR SI W/ROCKS	N	JM/LM	08/10/2005

STP	LTR	4-RND	LEVEL	DEPTH (CM)	SOIL DESCRIPTION	CM	CREW	DATE
EE1		7.5mE	1	0-14	GR BR COMPACT SI LO W/GVL	H	GD/MB	08/10/2005
EE1		7.5mE	2	14-32	YL BR COMPACT SI LO W/ROCKS	N	GD/MB	08/10/2005
EE1		7.5mW	1	0-20	GR BR SI LO W/SOME ROCKS; BRICK - DISC.	H	MJ/VL	08/10/2005
EE1		7.5mW	2	20-36	YL BR SI LO W/LG.ROCKS	N	MJ/VL	08/10/2005
EE2			1	0-14	MD GR BR SI LO	H	MJ/VL	08/09/2005
EE2			2	14-45	YL BR SI LO	N	MJ/VL	08/09/2005
EE2			3	45-50	LT YL BR SI LO W/ROCKS	N	MJ/VL	08/09/2005
EE2		1mW	1	0-25	GR BR SI LO W/ROCKS; BRICK - DISC.	H	MJ/VL	08/10/2005
EE2		1mW	2	25-40	YL BR SI LO W/ROCKS	N	MJ/VL	08/10/2005
EE2		7.5mE	1	0-15	DK BR SI LO	H	MJ/VL	08/10/2005
EE2		7.5mE	2	15-30	MD GR BR SI LO	N	MJ/VL	08/10/2005
EE2		7.5mW	1	0-13	DK GR BR SI LO; PULL TAB - DISC.	H	MJ/VL	08/10/2005
EE2		7.5mW	2	13-30	LT GR BR SI LO; STP APPEARS TO CUT INTO STONE WALL	N	MJ/VL	08/10/2005
EE3			1	0-25	LT BR SI LO W/ROOTS & ROCKS	H	MJ/VL	08/09/2005
EE3			2	25-33	LT BR SI LO W/ROOTS & ROCKS	H	MJ/VL	08/09/2005
EE3			3	33-48	YL BR SI LO	N	MJ/VL	08/09/2005
EE3		5mN	1	0-20	DK GR BR SI LO	H	MJ/VL	08/10/2005
EE3		5mN	2	20-35	YL BR WET SI LO	N	MJ/VL	08/10/2005
EE3		7.5mE	1	0-25	GR BR SI LO W/ROOTS	H	MJ/VL	08/10/2005
EE3		7.5mE	2	25-32	YL BR SI LO W/ROOTS; STOPPED BY ROOTS	N	MJ/VL	08/10/2005
EE3		7.5mW	1	0-24	GR BR SI LO W/SOME ROCKS	H	MJ/VL	08/10/2005
EE3		7.5mW	2	24-41	YL BR SI LO W/SOME ROCKS	N	MJ/VL	08/10/2005
EE4				0-10	NOT DUG - DUE TO STANDING WATER		MJ/VL	08/10/2005
EE5				10-26	NOT DUG - DUE TO STANDING WATER		MJ/VL	08/10/2005
EE6				0-25	NOT DUG - DUE TO STANDING WATER		MJ/VL	08/10/2005
EE7			1	25-35	MD BR SI LO W/ROCKS	N	MJ/VL	08/09/2005
EE7			2	0-7	YL BR SI LO W/ROCKS	N	MJ/VL	08/09/2005
EE8			1	7-25	DK BR SI LO W/ROCKS	N	MJ/VL	08/09/2005
EE8			2	0-10	DK BR SI LO W/ROCKS; STOPPED BY ROCK	N	MJ/VL	08/09/2005
EE9			1	10-28	MD BR SI LO W/ROCKS	N	MJ/VL	08/09/2005
EE9			2	0-12	YL BR SI LO W/ROCKS	N	MJ/VL	08/09/2005
EE10			1	12-27	LT BR SI LO W/ROCKS	N	MJ/VL	08/09/2005
EE10			2	0-13	YL BR SI LO W/ROCKS	N	MJ/VL	08/09/2005
EE11			1	13-31	LT BR SI LO W/ROCKS	N	MJ/VL	08/09/2005
EE11			2	0-12	YL BR SI LO W/ROCKS	N	MJ/VL	08/09/2005
EE12			1	12-27	LT BR SI LO W/ROCKS	N	MJ/VL	08/09/2005
EE12			2	0-4	YL BR SI LO W/ROCKS	N	MJ/VL	08/09/2005
EE13			1	4-22	MD BR SI LO W/ROOTS	N	MJ/VL	08/09/2005
EE13			2	0-10	YL BR SI LO W/ROOTS; STOPPED BY ROOTS	N	MJ/VL	08/09/2005
FF5			1	10-27	GR BR SI LO W/ROOTS & ROCKS	N	GD/MB	08/09/2005

STP	LTR	4-RND	LEVEL	DEPTH (CM)	SOIL DESCRIPTION	CM	CREW	DATE
FF5			2	0-15	YL BR SI LO W/ROOTS & ROCKS	N	GD/MB	08/09/2005
FF6			1	0-7	GR YL BR SI LO W/ROCKS/ROOTS; RUBBER - DISC.	H	GD/MB	08/09/2005
FF6			2	7-22	YL BR SI LO W/ROOTS & ROCKS	N	GD/MB	08/09/2005
FF7			1		GR BR SI LO W/ROCKS; STOPPED BY ROCK	N	GD/MB	08/09/2005
FF8			1		MD GR BR SI LO W/ROOTS & ROCKS	N	GD/MB	08/09/2005
FF8			2		YL BR SI LO W/ROOTS & ROCKS	N	GD/MB	08/09/2005
FF9			1	0-15	GR BR SI LO; STOPPED BY ROOTS	N	GD/MB	08/09/2005
FF10			1	0-12	YL GR BR SI LO W/ROOTS & ROCKS; STOPPED BY ROOTS	N	GD/MB	08/09/2005
FF11			1	0-22	MD GR BR DAMP SI LO; STP MOVED .5mE	N	GD/MB	08/09/2005
FF11			2	22-47	MD YL BR SI LO W/ROOTS & ROCKS	N	GD/MB	08/09/2005
FF12			1	0-12	GR BR SI LO	N	GD/MB	08/09/2005
FF12			2	12-27	YL BR SI LO	N	GD/MB	08/09/2005
FF13			1	0-23	STRONG BR DAMP SI LO W/ROCKS & ROOTS; STOPPED BY ROCKS	N	GD/MB	08/09/2005
GG5			1	0-12	LT BR SI LO W/ROCKS	H	MJ/VL	08/09/2005
GG5			2	12-30	YL BR SI LO W/ROCKS	N	MJ/VL	08/09/2005
GG6			1	0-10	MD BR SI LO	H	MJ/VL	08/09/2005
GG6			2	10-25	YL BR SI LO	N	MJ/VL	08/09/2005
GG7			1	0-13	LT BR SI LO	N	MJ/VL	08/09/2005
GG7			2	13-29	YL BR SI LO	N	MJ/VL	08/09/2005
GG8			1	0-12	MD BR SI LO; STP MOVED 1mE DUE TO BEES	N	MJ/VL	08/09/2005
GG8			2	12-30	YL BR SI LO	N	MJ/VL	08/09/2005
GG9			1	0-10	YL BR SI LO	N	MJ/VL	08/09/2005
GG9			2	10-30	BRIGHT YL SA SI	N	MJ/VL	08/09/2005
GG10			1	0-12	YL BR SI LO	N	MJ/VL	08/09/2005
GG10			2	12-28	LT YL BR SI LO	N	MJ/VL	08/09/2005
GG11			1	0-10	LT BR SI LO	N	MJ/VL	08/09/2005
GG11			2	10-25	YL BR SI LO	N	MJ/VL	08/09/2005
GG11			3	25-35	BRIGHT YL SA SI	N	MJ/VL	08/09/2005
GG12			1	0-15	YL BR SI LO	N	MJ/VL	08/09/2005
GG12			2	15-40	LT YL BR SI LO	N	MJ/VL	08/09/2005
GG13			1	0-13	LT BR SI LO W/ROOTS	N	MJ/VL	08/09/2005
GG13			2	13-31	YL BR SI LO W/ROOTS	N	MJ/VL	08/09/2005
HH5			1	0-5	GR BR SI LO	N	GD/MB	08/09/2005
HH5			2	5-29	YL BR SI LO W/ROOTS & ROCKS	N	GD/MB	08/09/2005
HH6			1	0-31	GR BR SI LO; STOPPED BY ROOTS	H	GD/MB	08/09/2005
HH7			1	0-30	BR SI LO	N	GD/MB	08/09/2005
HH7			2	30-43	STRONG BR SI LO	N	GD/MB	08/09/2005
HH8			1	0-13	GR BR SI LO	N	GD/MB	08/09/2005
HH8			2	13-23	YL BR SI LO; STOPPED BY VERY LG.ROCK	N	GD/MB	08/09/2005
HH9			1	0-12	GR BR SI LO	N	GD/MB	08/09/2005

STP	LTR	4-RND	LEVEL	DEPTH (CM)	SOIL DESCRIPTION	CM	CREW	DATE
HH9			2	12-24	YL BR SI LO	N	GD/MB	08/09/2005
HH10			1	0-27	OL BR SI LO; STOPPED BY ROCKS	N	GD/MB	08/09/2005
HH11			1	0-12	MD GR BR SI LO W/ROCKS & ROOTS	N	GD/MB	08/09/2005
HH11			2	12-36	YL BR SI LO W/ROOTS & ROCKS	N	GD/MB	08/09/2005
HH12			1	0-20	BR SI LO; STOPPED BY ROOTS	N	GD/MB	08/09/2005
HH13			1	0-21	GR BR SI LO W/ROCKS & ROOTS	N	GD/MB	08/09/2005
HH13			2	21-33	YL BR SI LO W/ROCKS & ROOTS; STOPPED BY ROCKS & ROOTS	N	GD/MB	08/09/2005
HH14			1	0-25	BR SI LO; STOPPED BY ROCKS	N	GD/MB	08/09/2005
II5			1	0-10	MD BR SI LO	N	MJ/VL	08/09/2005
II5			2	10-20	YL BR SI LO	N	MJ/VL	08/09/2005
II5			3	20-35	LT YL BR SI LO	N	MJ/VL	08/09/2005
II6			1	0-16	LT BR SI LO W/SOME ROCKS	N	MJ/VL	08/09/2005
II6			2	16-33	YL BR SI LO W/SOME ROCKS	N	MJ/VL	08/09/2005
II7			1	0-7	MD BR SI LO	N	VL/MJ	08/09/2005
II7			2	7-27	YL BR SI LO	N	VL/MJ	08/09/2005
II8			1	0-11	MD BR SI LO	N	VL/MJ	08/09/2005
II8			2	11-30	YL BR SI LO	N	VL/MJ	08/09/2005
II9			1	0-17	MD BR SI LO	N	VL/MJ	08/09/2005
II9			2	17-40	YL BR SI LO	N	VL/MJ	08/09/2005
II10			1	0-13	MD BR SI LO	N	VL/MJ	08/09/2005
II10			2	13-30	YL BR SI LO	N	VL/MJ	08/09/2005
II11			1	0-7	MD BR SI LO	N	VL/MJ	08/09/2005
II11			2	7-27	YL BR SI LO	N	VL/MJ	08/09/2005
II12			1	0-11	MD BR SI LO W/ROOTS	N	VL/MJ	08/09/2005
II12			2	11-30	YL BR SI LO W/ROOTS	N	VL/MJ	08/09/2005
II13			1	0-25	MD BR SI LO	N	VL/MJ	08/09/2005
II13			2	25-50	MD BR SI LO	N	VL/MJ	08/09/2005
II13			3	50-66	YL BR SI LO	N	VL/MJ	08/09/2005
II14			1	0-18	MD BR SI LO	N	VL/MJ	08/09/2005
II14			2	18-34	YL BR SI LO	N	VL/MJ	08/09/2005
II15			1	0-45	DK BR SI LO W/ROOTS; STOPPED BY ROOTS	N	VL/MJ	08/09/2005
JJ5			1	0-12	GR BR SI LO W/ROCKS	N	GD/MB	08/09/2005
JJ5			2	12-32	YL BR SI LO W/ROCKS	N	GD/MB	08/09/2005
JJ6			1	0-31	STRONG BR SI LO; STOPPED BY ROCK	N	GD/MB	08/09/2005
JJ7			1	0-12	GR BR SI LO W/ROCKS & ROOTS	N	GD/MB	08/09/2005
JJ7			2	12-32	YL BR SI LO W/ROCKS & ROOTS	N	GD/MB	08/09/2005
JJ8				0-30	NOT DUG - DUE TO BEES		GD/MB	08/09/2005
JJ9				0-13	NOT DUG - DUE TO BEES		GD/MB	08/09/2005
JJ10			1		MD GR BR SI LO; STOPPED BY ROOTS	N	GD/MB	08/09/2005
JJ11			1		MD GR BR SI LO W/ROCKS & ROOTS	N	GD/MB	08/09/2005

STP	LTR	4-RND	LEVEL	DEPTH (CM)	SOIL DESCRIPTION	CM	CREW	DATE
JJ11			2	13-26	YL BR SI LO W/ROCKS & ROOTS	N	GD/MB	08/09/2005
JJ11			3	26-43	RD YL BR SI LO W/ROCKS & ROOTS	N	GD/MB	08/09/2005
JJ12			1	0-15	BR SI LO	H	GD/MB	08/09/2005
JJ12			2	15-30	STRONG BR SI LO	N	GD/MB	08/09/2005
JJ13			1	0-23	GR BR SI LO W/ROOTS & ROCKS	N	GD/MB	08/09/2005
JJ13			2	23-41	YL BR SI SA LO W/ROOTS & ROCKS	N	GD/MB	08/09/2005
JJ14			1	0-10	GR BR SI LO	N	GD/MB	08/09/2005
JJ14			2	10-30	YL BR SI LO	N	GD/MB	08/09/2005
JJ15			1	0-18	MD GR BR SI LO W/ROCKS & ROOTS	N	GD/MB	08/09/2005
JJ15			2	18-42	YL BR SI LO W/ROCKS	N	GD/MB	08/09/2005
KK7			1	0-7	MD BR SI LO W/ROOTS & ROCKS	N	MJ/VL	08/09/2005
KK7			2	7-25	YL BR SI LO W/ROOTS & ROCKS	N	MJ/VL	08/09/2005
KK8			1	0-14	MD BR SI LO W/ROOTS & ROCKS	N	MJ/VL	08/09/2005
KK8			2	14-33	YL BR SI LO W/ROOTS & ROCKS	N	MJ/VL	08/09/2005
KK9			1	0-20	MD BR SI LO	N	MJ/VL	08/09/2005
KK9			2	20-40	YL BR SI LO	N	MJ/VL	08/09/2005
KK10				0-14	NOT DUG - DUE TO BEE'S NEST		MJ/VL	08/09/2005
KK11			1	14-30	MD BR SI LO W/ROCKS	H	MJ/VL	08/09/2005
KK11			2	0-13	YL BR SI LO W/ROCKS	N	MJ/VL	08/09/2005
KK12			1	13-35	MD BR SI LO W/ROOTS	N	MJ/VL	08/09/2005
KK12			2	0-20	YL BR SI LO W/ROOTS	N	MJ/VL	08/09/2005
KK13			1	0-10	MD BR SI LO W/ROOTS; STOPPED BY ROOTS	N	VL/MJ	08/09/2005
KK14			1	10-26	MD BR SI LO W/ROCKS & ROOTS	N	VL/MJ	08/09/2005
KK14			2	0-23	YL BR SI LO W/ROCKS & ROOTS	N	VL/MJ	08/09/2005
KK15			1	0-13	MD BR SI LO W/ROOTS; STOPPED BY ROOTS	N	VL/MJ	08/09/2005
LL7			1	13-31	MD BR SI LO W/ROCKS	N	MJ/VL	08/09/2005
LL7			2	0-9	YL BR SI LO W/ROCKS	N	MJ/VL	08/09/2005
LL8			1	9-30	MD BR SI LO	N	MJ/VL	08/09/2005
LL8			2	0-15	YL BR SI LO	N	MJ/VL	08/09/2005
LL9				0-27	NOT DUG - DUE TO STANDING WATER		MJ/VL	08/09/2005
LL10				27-43	NOT DUG - DUE TO STANDING WATER		MJ/VL	08/09/2005
LL11				0-16	NOT DUG - DUE TO STANDING WATER		MJ/VL	08/09/2005
LL12			1	16-37	MD BR SI LO W/ROOTS; STOPPED BY ROOT	N	MJ/VL	08/09/2005
LL13			1	0-13	MD BR SI LO W/ROOTS	N	MJ/VL	08/09/2005
LL13			2		YL BR SI LO W/ROOTS	N	MJ/VL	08/09/2005
LL14			1		MD BR SI LO W/SOME ROCKS	N	MJ/VL	08/09/2005
LL14			2		YL BR SI LO W/SOME ROCKS	N	MJ/VL	08/09/2005
LL15			1		MD BR SI LO	N	MJ/VL	08/09/2005
LL15			2	13-30	YL BR SI LO	N	MJ/VL	08/09/2005
LL16			1	0-24	BR VERY WET SI LO	N	MJ/VL	08/09/2005

STP	LTR	4-RND	LEVEL	DEPTH (CM)	SOIL DESCRIPTION	CM	CREW	DATE
LL16			2	24-40	BLUISH GR VERY WET SI; STOPPED BY STANDING WATER	N	MJ/VL	08/09/2005
MM6				0-8	NOT DUG - DUE TO UTILITY POLE		GD/MB	08/09/2005
MM7				8-32	NOT DUG - DUE TO UTILITY POLE		GD/MB	08/09/2005
MM8			1	0-27	GR BR SI LO W/ROOTS & ROCKS	N	GD/MB	08/09/2005
MM8			2	27-41	YL BR SI LO W/ROOTS & ROCKS	N	GD/MB	08/09/2005
MM9			1	0-13	MD GR BR SI LO	N	GD/MB	08/09/2005
MM9			2	13-34	YL BR SI LO	N	GD/MB	08/09/2005
MM10			1	0-17	MD BR SI W/ROCKS & ROOT	N	LM/JM	08/10/2005
MM10			2	17-40	YL BR SI W/ROCKS; STOPPED BY ROCK	N	LM/JM	08/10/2005
MM11			1	0-25	MD BR SI W/ROOTS	N	LM/JM	08/10/2005
MM11			2	25-47	YL BR SI W/ROCKS	N	LM/JM	08/10/2005
MM12			1	0-25	MD BR CL SI W/SOME ROCKS	N	LM/JM	08/10/2005
MM12			2	25-34	YL BR CL SI W/SOME ROCKS	N	LM/JM	08/10/2005
MM13			1	34-55	MD BR SI LO	H	LM/JM	08/10/2005
MM13			2	0-45	MD BR SI LO	N	LM/JM	08/10/2005
MM13			3	45-47	YL BR SI LO	N	LM/JM	08/10/2005
MM14			1	0-12	MD BR SI W/ROCKS & ROOTS	N	LM/JM	08/10/2005
MM14			2	12-29	YL BR SI W/ROCKS & ROOTS; STOPPED BY ROCKS	N	LM/JM	08/10/2005
NN6			1	0-10	LT BR SI LO W/ROOTS & ROCKS	N	MJ/VL	08/10/2005
NN6			2	10-30	YL BR SI LO W/ROOTS & ROCKS	N	MJ/VL	08/10/2005
NN7			1	0-9	LT BR SI LO	N	MJ/VL	08/10/2005
NN7			2	9-28	YL BR SI LO	N	MJ/VL	08/10/2005
NN8			1	0-10	LT BR SI LO	N	MJ/VL	08/10/2005
NN8			2	10-26	YL BR SI LO	N	MJ/VL	08/10/2005
NN9			1	0-12	LT BR SI LO W/ROCKS	N	MJ/VL	08/10/2005
NN9			2	12-30	YL BR SI LO W/ROCKS	N	MJ/VL	08/10/2005
NN10			1	0-12	LT BR SI LO W/ROOTS & ROCKS	N	MJ/VL	08/10/2005
NN10			2	12-55	YL BR SI LO W/ROOTS & ROCKS	N	MJ/VL	08/10/2005
NN11			1	55-75	MD BR SI LO	N	MJ/VL	08/10/2005
NN11			2	0-18	DK YL BR SI LO	N	MJ/VL	08/10/2005
NN11			3	18-35	LT YL BR SI LO	N	MJ/VL	08/10/2005
NN12			1	0-10	LT BR SI LO W/SOME ROCKS	N	MJ/VL	08/10/2005
NN12			2	10-35	YL BR SI LO W/SOME ROCKS	N	MJ/VL	08/10/2005
NN13			1		LT BR SI LO	N	MJ/VL	08/10/2005
NN13			2		YL BR SI LO	N	MJ/VL	08/10/2005
NN14			1	0-25	LT BR SI LO W/ROCKS	N	MJ/VL	08/10/2005
NN14			2	25-33	YL BR SI LO W/ROCKS; STOPPED BY ROCKS	N	MJ/VL	08/10/2005
NN15			1	0-30	LT BR SI LO W/ROCKS	N	MJ/VL	08/10/2005
NN15			2	30-46	YL BR SI LO W/ROCKS	N	MJ/VL	08/10/2005
OO12			1	0-12	LT BR SI LO	N	MJ/VL	08/10/2005

STP	LTR	4-RND	LEVEL	DEPTH (CM)	SOIL DESCRIPTION	CM	CREW	DATE
OO12			2	12-37	YL BR SI LO	N	MJ/VL	08/10/2005
OO13			1	0-24	LT BR SI LO	N	MJ/VL	08/10/2005
OO13			2	24-43	YL BR SI LO	N	MJ/VL	08/10/2005
OO14			1	0-13	LT BR SI LO	N	MJ/VL	08/10/2005
OO14			2	13-40	YL BR SI LO	N	MJ/VL	08/10/2005
OO15			1	0-12	LT BR SI LO W/ROCKS	N	MJ/VL	08/10/2005
OO15			2	12-30	YL BR SI LO W/ROCKS	N	MJ/VL	08/10/2005
PP13			1	0-16	MD BR SI W/ROOTS	N	LM/JM	08/10/2005
PP13			2	16-38	YL BR SI W/ROCKS	N	LM/JM	08/10/2005
PP14			1	0-52	YL BR SI W/ROCKS & ROOTS	N	LM/JM	08/10/2005
PP15			1	0-13	DK GR BR SI	N	LM/JM	08/10/2005
PP15			2	13-23	MD BR SI	N	LM/JM	08/10/2005
PP15			3	23-45	YL BR SI	N	LM/JM	08/10/2005
PP16			1	0-10	LT BR SI W/ROCKS & ROOTS	N	LM/JM	08/10/2005
PP16			2	10-26	YL BR SI W/ROCKS & ROOTS; STOPPED BY ROCKS	N	LM/JM	08/10/2005
QQ14			1	0-14	LT BR SI LO W/ROOTS	N	MJ/VL	08/10/2005
QQ14			2	14-31	YL BR SI LO W/ROOTS	N	MJ/VL	08/10/2005
QQ15			1	0-7	LT BR SI LO W/ROCKS	N	MJ/VL	08/10/2005
QQ15			2	7-23	YL BR SI LO W/ROCKS; STOPPED BY ROCK	N	MJ/VL	08/10/2005
QQ16			1	0-5	LT BR SI LO W/ROCKS	N	MJ/VL	08/10/2005
QQ16			2	5-30	YL BR SI LO W/ROCKS	N	MJ/VL	08/10/2005
QQ17			1	0-10	LT BR SI LO W/ROCKS	N	MJ/VL	08/10/2005
QQ17			2	10-60	YL BR SI LO W/ROCKS; STOPPED BY ROCK	N	MJ/VL	08/10/2005
RR14			1	0-20	LT GR BR SI W/ROCKS & ROOTS; PLASTIC - DISC.	N	LM/JM	08/10/2005
RR14			2	20-40	YL BR SI W/ROCKS	N	LM/JM	08/10/2005
RR15			1	0-15	GR BR SI W/ROOTS	N	LM/JM	08/10/2005
RR15			2	15-43	YL BR SI W/ROOTS	N	LM/JM	08/10/2005
RR16			1	0-22	LT BR SI W/ROCKS & ROOTS	N	LM/JM	08/10/2005
RR16			2	22-40	YL BR SI W/ROCKS	N	LM/JM	08/10/2005
RR17			1	0-25	LT BR SI	H	LM/JM	08/10/2005
RR17			2	25-31	LT BR SI	N	LM/JM	08/10/2005
RR17			3	31-46	YL BR SI	N	LM/JM	08/10/2005
SS15			1	0-10	LT BR SI LO W/ROCKS	N	MJ/VL	08/10/2005
SS15			2	10-35	YL BR SI LO W/ROCKS	N	MJ/VL	08/10/2005
SS16			1	0-8	LT BR SI LO W/ROCKS	N	MJ/VL	08/10/2005
SS16			2	8-37	YL BR SI LO W/ROCKS	N	MJ/VL	08/10/2005
SS17			1	0-15	LT BR SI LO W/ROCKS	H	MJ/VL	08/10/2005
SS17			2	15-38	YL BR SI LO W/ROCKS; STOPPED BY ROCKS	N	MJ/VL	08/10/2005
TT15			1	0-25	YL BR SI LO	N	MJ/VL	08/10/2005
TT15			2	25-40	YL BR SI LO	N	MJ/VL	08/10/2005

STP	LTR	4-RND	LEVEL	DEPTH (CM)	SOIL DESCRIPTION	CM	CREW	DATE
TT16			1	0-12	LT BR SI LO W/ROOTS	H	MJ/VL	08/10/2005
TT16			2	12-24	YL BR SI LO W/ROOTS; STOPPED BY ROOTS	N	MJ/VL	08/10/2005
TT17			1	0-7	LT BR SI LO W/ROOTS & ROCKS	N	MJ/VL	08/10/2005
TT17			2	7-45	YL BR SI LO W/ROOTS & ROCKS	N	MJ/VL	08/10/2005

Attachment G: Artifact Catalog

STP	4-RND	LEVEL	DEPTH (CM)	DESCRIPTION	COMMENTS	CT	WT(g)	BEGIN DATE	END DATE	CREW	DATE
AA22		1	0-24	PORCELAIN GLAZED BLACK ELECTRIC INSULATOR		1	2.9			MJ/VL	08/11/2005
AC6		1	0-13	IRONSTONE SCALLOPED EDGE TABLEWARE	PLATE OR SOUP PLATE; RIM; 2 MENDS	4	8.	1850	1870	GD/MB	08/08/2005
BB2		1	0-27	FERROUS METAL CUT NAIL FRAG		1	6.			MB/GD	08/08/2005
BB2		1	0-27	FERROUS METAL WIRE NAIL		2	12.8			MB/GD	08/08/2005
BB2		1	0-27	FERROUS METAL UNDIAG. NAIL FRAG.		1	2.5			MB/GD	08/08/2005
BB2		1	0-27	PORCELAIN BANDED/EDGED PINK FOOD SERVICE	INSTITUTIONAL WARE; CA.1900+	1	0.9			MB/GD	08/08/2005
BB2		1	0-27	GLASS CLEAR UNDIFFERENTIATED	POSS. LAMP CHIMNEY OR LIGHT BULB GLASS	1	0.3			MB/GD	08/08/2005
BB2		2	27-40	FERROUS METAL SCISSORS	HANDLE FRAG.	1	11.6			MB/GD	08/08/2005
BB2		2	27-40	FERROUS METAL CUT NAIL FRAG		2	16.			MB/GD	08/08/2005
BB2		2	27-40	PORCELAIN TEAWARE TEA CUP	BASE	1	1.8			MB/GD	08/08/2005
BB2		2	27-40	REDWARE MANGANESE GLAZE TABLEWARE/TEAWARE		1	0.6	1750	1900	MB/GD	08/08/2005
BB2		2	27-40	GLASS WINDOW		1	1.3			MB/GD	08/08/2005
BB2	6.5mS	1	0-40	BONE INDETERMINATE		4	1.7			MB/GD	08/08/2005
BB2	6.5mS	1	0-40	SHELL CLAM		2	2.2			MB/GD	08/08/2005
BB2	6.5mS	1	0-40	FERROUS METAL CUT NAIL		3	18.8			MB/GD	08/08/2005
BB2	6.5mS	1	0-40	FERROUS METAL WIRE NAIL FRAG		2	1.1			MB/GD	08/08/2005
BB2	6.5mS	1	0-40	FERROUS METAL UNDIAG. NAIL FRAG.		1	1.8			MB/GD	08/08/2005
BB2	6.5mS	1	0-40	WHITEWARE TRANSFER RED TABLEWARE/TEAWARE		1	0.3	1830	1850	MB/GD	08/08/2005
BB2	6.5mS	1	0-40	GLASS WINDOW		2	1.8			MB/GD	08/08/2005
BB2	6.5mS	1	0-40	GLASS CLEAR CONTAINER BOTTLE-UNID.		1	0.2			MB/GD	08/08/2005
BB2	6.5mS	1	0-40	GLASS LT GREEN CONTAINER BOTTLE-UNID.		1	0.1			MB/GD	08/08/2005
BB2	7.5mE	1	0-30	FERROUS METAL UNDIFFERENTIATED		1	129.9			GD/MB	08/08/2005
BB2	7.5mE	1	0-30	FERROUS METAL UNDIFFERENTIATED	POSS. UNDIAG. NAIL FRAG.	1	10.7			GD/MB	08/08/2005

STP	[illegible]	LEVEL	DEPTH (CM)	DESCRIPTION	CO[illegible]TS	CT	WT(g)	BEGIN DATE	END DATE	CREW	DATE
BB2	7.5mE	1	0-30	PORCELAIN BANDED/EDGED PINK FOOD SERVICE	CA.1900+	1	3.5			GD/MB	08/08/2005
BB2	7.5mE	1	0-30	PORCELAIN BANDED/EDGED FOOD SERVICE	CA. 1900+; PINK & GREEN; POSS. PART OF ABOVE	1	0.6			GD/MB	08/08/2005
BB2	7.5mE	1	0-30	IRONSTONE TABLEWARE/TEAWARE PLATE OR SAUCER	RIM	1	1.6	1850	2005	GD/MB	08/08/2005
BB2	7.5mE	1	0-30	GLASS CLEAR CONTAINER BOTTLE-UNID.		7	6.5			GD/MB	08/08/2005
BB2	7.5mW	1	0-19	SHELL CLAM		3	11.4			MB/GD	08/08/2005
BB2	7.5mW	1	0-19	SHELL OYSTER		13	41.7			MB/GD	08/08/2005
BB2	7.5mW	1	0-19	BONE INDETERMINATE		2	0.7			MB/GD	08/08/2005
BB2	7.5mW	1	0-19	GLASS CLEAR CONTAINER BOTTLE-UNID.	1 BASE	2	25.8			MB/GD	08/08/2005
BB2	7.5mW	1	0-19	GLASS AQUA CONTAINER BOTTLE-UNID.		1	3.5			MB/GD	08/08/2005
BB2	7.5mW	1	0-19	GLASS WINDOW		2	2.6			MB/GD	08/08/2005
BB2	7.5mW	1	0-19	GLASS CLEAR LAMP CHIMNEY		1	0.5			MB/GD	08/08/2005
BB2	7.5mW	1	0-19	IRONSTONE UNDIFFERENTIATED		1	1.7	1850	2005	MB/GD	08/08/2005
BB3		1	0-22	IRONSTONE GLAZED GREEN TEAWARE TEA CUP	BASE; MEND	4	6.9	1930	1960	MB/GD	08/08/2005
BB3		1	0-22	GLASS CLEAR CONTAINER BOTTLE-UNID.		2	12.1			MB/GD	08/08/2005
BB3		1	0-22	GLASS CLEAR UNDIFFERENTIATED		1	0.3			MB/GD	08/08/2005
BB3		1	0-22	GLASS WINDOW		1	2.5			MB/GD	08/08/2005
BB3		1	0-22	BONE INDETERMINATE	CALCINED	1	1.1			MB/GD	08/08/2005
BB3		1	0-22	SHELL CLAM		3	2.1			MB/GD	08/08/2005
BB3	7.5mE	1	0-12	SHELL CLAM		1	1.8			GD/MB	08/10/2005
BB3	7.5mE	1	0-12	GLASS CLEAR CONTAINER BOTTLE-UNID.	BASE	1	9.8			GD/MB	08/10/2005
BB3	7.5mN	1	0-17	FERROUS METAL SCREW		1	4.7			GD/MB	08/10/2005
BB3	7.5mN	1	0-17	GLASS CLEAR CONTAINER BOTTLE-UNID.		2	10.8			GD/MB	08/10/2005
BB3	7.5mN	1	0-17	GLASS WINDOW		1	0.4			GD/MB	08/10/2005
BB3	7.5mN	1	0-17	IRONSTONE UNDIFFERENTIATED		1	0.4	1850	2005	GD/MB	08/10/2005
BB3	7.5mW	1	0-25	FERROUS METAL CUT NAIL FRAG		1	1.			GD/MB	08/10/2005
BB3	7.5mW	1	0-25	GLASS CLEAR CONTAINER BOTTLE-UNID.		12	24.9			GD/MB	08/10/2005

STP		LEVEL	DEPTH (CM)	DESCRIPTION	CO[illegible]TS	CT	WT(g)	BEGIN DATE	END DATE	CREW	[illegible]ATE
BB3	7.5mW	1	0-25	GLASS SUN PURPLED CONTAINER BOTTLE-UNID.		1	2.1	1880	1918	GD/MB	08/10/2005
BB3	7.5mW	1	0-25	GLASS AQUA CONTAINER BOTTLE-UNID.		2	6.2			GD/MB	08/10/2005
BB3	7.5mW	1	0-25	GLASS AQUA UNDIFFERENTIATED		1	0.4			GD/MB	08/10/2005
BB3	7.5mW	1	0-25	GLASS EMBOSSED AMBER CONTAINER BOTTLE-UNID.	BASE: "..OFF.."; ANCHOR HOCKING LOGO	1	15.2	1938	2005	GD/MB	08/10/2005
BB3	7.5mW	1	0-25	GLASS AMBER CONTAINER BOTTLE-UNID.		2	1.6			GD/MB	08/10/2005
BB3	7.5mW	1	0-25	GLASS WINDOW		7	11.4			GD/MB	08/10/2005
BB3	7.5mW	1	0-25	GLASS CLEAR LAMP CHIMNEY		5	2.			GD/MB	08/10/2005
BB3	7.5mW	1	0-25	PORCELAIN BANDED/EDGED FOOD SERVICE SAUCER	RIM; PINK & GREEN	1	2.4	1900	2005	GD/MB	08/10/2005
BB3	7.5mW	1	0-25	PORCELAIN TABLEWARE BOWL	RIM; POSS. FOOD SERVICE	1	8.2			GD/MB	08/10/2005
BB3	7.5mW	1	0-25	IRONSTONE GLAZED GREEN TABLEWARE/TEAWARE	MEND	4	1.6	1930	1960	GD/MB	08/10/2005
BB3	7.5mW	1	0-25	IRONSTONE DECAL TABLEWARE/TEAWARE PLATE OR SAUCER	MOLDED EDGE; PINK & YELLOW	1	2.3	1890	2005	GD/MB	08/10/2005
BB3	7.5mW	1	0-25	IRONSTONE TABLEWARE/TEAWARE PLATE OR SAUCER	RIM	1	1.4	1850	2005	GD/MB	08/10/2005
BB3	7.5mW	1	0-25	IRONSTONE TABLEWARE/TEAWARE	RIM	1	0.8	1850	2005	GD/MB	08/10/2005
BB3	7.5mW	2	25-38	IRONSTONE GLAZED GREEN TABLEWARE/TEAWARE		2	14.9	1930	1960	GD/MB	08/10/2005
BB3	7.5mW	2	25-38	IRONSTONE GLAZED TABLEWARE/TEAWARE	GREEN & YELLOW GLAZE; ORANGE PTD. DECO.; POSS. PART OF ABOVE	1	2.9	1930	1960	GD/MB	08/10/2005
BB3	7.5mW	2	25-38	IRONSTONE UNDIFFERENTIATED		3	12.5	1850	2005	GD/MB	08/10/2005
BB3	7.5mW	2	25-38	GLASS CLEAR CONTAINER BOTTLE-UNID.		3	6.			GD/MB	08/10/2005
BB3	7.5mW	2	25-38	GLASS AQUA CONTAINER BOTTLE-UNID.		2	6.2			GD/MB	08/10/2005
BB3	7.5mW	2	25-38	GLASS EMBOSSED AQUA UNDIFFERENTIATED	BASE; POSS.BOTTLE OR CANNING JAR "6"	1	35.5			GD/MB	08/10/2005
BB3	7.5mW	2	25-38	GLASS WINDOW		3	5.9			GD/MB	08/10/2005
BB3	7.5mW	2	25-38	GLASS EMBOSSED LT GREEN FURNISHING/DECORATIVE	DEPRESSION GLASS	1	15.	1920	1960	GD/MB	08/10/2005
BB3	7.5mW	2	25-38	CUPROUS METAL UNDIFFERENTIATED	POSS. RIVET	1	3.9			GD/MB	08/10/2005

STP		LEVEL	DEPTH (CM)	DESCRIPTION	C NTS	CT	WT(g)	BEGIN DATE	END DATE	CREW	DATE
BB3	7.5mW	2	25-38	SHELL OYSTER		1	0.2			GD/MB	08/10/2005
BB3	7.5mW		0-37	BONE INDETERMINATE		1	200.4				
BB3	7.5mW		0-20	GLASS CLEAR DROPPER	W/RUBBER BULB FRAG.	1	2.6				
BB3	7.5mW		0-18	GLASS EMBOSSED COBALT CONTAINER BOTTLE-MEDICINAL	CA.1931; "VICKS" "VA-TRO-NOL"; UNKNOWN MAKER'S MARK ON BASE	1	91.1				
BB3	7.5mW		0-18	GLASS EMBOSSED COBALT CONTAINER BOTTLE-MEDICINAL	CA.1931; "VICKS" "VA-TRO-NOL"; UNKNOWN MAKER'S MARK ON BASE; VA-TRO-NOL INTRODUCED IN 1931 - NO END DATE AVAILABLE	1	36.6				
BB4		1	0-18	IRONSTONE TABLEWARE/TEAWARE	RIM; CUP, MUG, OR BOWL	1	5.5	1850	2005	GD/MB	08/09/2005
DD1		1	0-22	FERROUS METAL WIRE NAIL		1	2.5			MJ/VL	08/08/2005
DD2		1	0-22	MILK GLASS BUTTON		1	1.3			MJ/VL	08/08/2005
DD2		1	0-31	IRONSTONE UNDIFFERENTIATED		3	2.3	1850	2005	MJ/VL	08/08/2005
DD2		1	0-31	PORCELAIN MOLDED UNDIFFERENTIATED		1	0.6			MJ/VL	08/08/2005
DD3		1	0-31	STONEWARE SALT GLAZE UNDIFFERENTIATED		1	0.8	1800	1900	MJ/VL	08/08/2005
DD3		1	0-31	GLASS MOLDED CLEAR UNDIFFERENTIATED		1	1.1			MJ/VL	08/08/2005
EE1		1	0-31	RUBBER/SOFT JAR RUBBER	W/THUMB TAB; PATENTED 1864	1	2.4	1864	2005	MJ/VL	08/09/2005
EE1		1	0-31	LEATHER SHOE FRAG		4	6.5			MJ/VL	08/09/2005
EE1		1	0-31	IRONSTONE TRANSFER BLUE TABLEWARE PLATE	"..ALKER.."; "GIFT OF THE ALUMNI OF THE MASSA.." "DEDICATED TO THE MEMO.."; MEND; WALKER MEMORIAL BLDG.IS ON CAMPUS OF MIT	5	12.8	1850	1870	MJ/VL	08/09/2005
EE1		1	0-31	IRONSTONE TRANSFER BLUE TABLEWARE PLATE	RIM; MEND; PART OF ABOVE	5	23.8	1850	1870	MJ/VL	08/09/2005
EE1		1	0-31	IRONSTONE TRANSFER BLUE TABLEWARE PLATE	PART OF ABOVE	4	8.9	1850	1870	MJ/VL	08/09/2005
EE1		1	0-31	IRONSTONE TRANSFER BLUE TABLEWARE/TEAWARE	"..NOLOGY.."; POSS. BACK STAMP; POSS. PART OF ABOVE	1	0.5	1850	1870	MJ/VL	08/09/2005
EE1		1	0-31	STONEWARE GLAZED FURNISHING/DECORATIVE	ART POTTERY; SIGNED: "..MEW.."	9	17.			MJ/VL	08/09/2005

STP		LEVEL	DEPTH (CM)	DESCRIPTION	C ITS	CT	WT(g)	BEGIN DATE	END DATE	CREW	DATE
EE1		1	0-31	PORCELAIN HAND PAINTED FURNISHING/DECORATIVE FLOWER POT	GREEN & YELLOW; CHINESE WRITING ON BASE	10	27.3			MJ/VL	08/09/2005
EE1		1	0-31	IRONSTONE TABLEWARE/TEAWARE PLATE OR SAUCER	RIM	1	3.2	1850	2005	MJ/VL	08/09/2005
EE1		1	0-31	IRONSTONE UNDIFFERENTIATED		8	3.5	1850	2005	MJ/VL	08/09/2005
EE1		1	0-31	FERROUS METAL CUT NAIL		2	13.7			MJ/VL	08/09/2005
EE1		1	0-31	FERROUS METAL CUT NAIL FRAG		4	10.3			MJ/VL	08/09/2005
EE1		1	0-31	FERROUS METAL WIRE NAIL		11	31.7			MJ/VL	08/09/2005
EE1		1	0-31	FERROUS METAL WIRE NAIL FRAG		7	16.1			MJ/VL	08/09/2005
EE1		1	0-31	FERROUS METAL STAPLE		1	5.4			MJ/VL	08/09/2005
EE1		1	0-31	FERROUS METAL RING		1	3.1			MJ/VL	08/09/2005
EE1		1	0-31	FERROUS METAL WIRE		4	16.7			MJ/VL	08/09/2005
EE1		1		FERROUS METAL BARBED WIRE		1	6.4	1875	2005	MJ/VL	08/09/2005
EE1		1		FERROUS METAL TIN CAN FRAGS	SEAMS	9	16.3			MJ/VL	08/09/2005
EE1		1		FERROUS METAL SHEET METAL	POSS. TIN CAN FRAGS.	18	29.1			MJ/VL	08/09/2005
EE1		1		FERROUS METAL CAN KEY		1	4.4			MJ/VL	08/09/2005
EE1		1	0-31	FERROUS METAL UNDIFFERENTIATED		12	26.6			MJ/VL	08/09/2005
EE1		1	0-31	FERROUS METAL UNDIFFERENTIATED	METAL RING W/HANDLE	1	66.4			MJ/VL	08/09/2005
EE1		1	0-31	GLASS EMBOSSED CLEAR CONTAINER BOTTLE-UNID.	BASE; OWENS ILLINOIS LOGO	1	29.1	1929	1954	MJ/VL	08/09/2005
EE1		1	0-31	GLASS CLEAR CONTAINER BOTTLE NECK	THREADED TOP	1	30.1			MJ/VL	08/09/2005
EE1		1	0-31	GLASS CLEAR CONTAINER BOTTLE-UNID.		99	327.4			MJ/VL	08/09/2005
EE1		1	0-31	GLASS EMBOSSED CLEAR CONTAINER BOTTLE-UNID.	"SEALED"	1	2.9			MJ/VL	08/09/2005
EE1		1	0-31	GLASS FROSTED CLEAR UNDIFFERENTIATED		1	3.8			MJ/VL	08/09/2005
EE1		1	0-31	GLASS AMBER CONTAINER BOTTLE-UNID.		3	2.6			MJ/VL	08/09/2005
EE1		1	0-31	GLASS COBALT CONTAINER BOTTLE-UNID.	BASE	1	1.7			MJ/VL	08/09/2005
EE1		1	0-31	GLASS LT. BLUE LAMP CHIMNEY		1	0.5			MJ/VL	08/09/2005
EE1		1	0-31	GLASS WINDOW		29	44.9			MJ/VL	08/09/2005

STP		LEVEL	DEPTH (CM)	DESCRIPTION	CO[illegible]TS	CT	WT(g)	BEGIN DATE	END DATE	CREW	DATE
EE1		1	0-31	GLASS CLEAR JAR	TOP; MEND	5	48.6			MJ/VL	08/09/2005
EE1	3mS	1	0-12	GLASS AQUA FOOD PREP/STORAGE LIGHTNING SEAL LID		1	7.4	1882	1910	JM/LM	08/10/2005
EE1	7.5mE	1	0-14	GLASS CLEAR CONTAINER BOTTLE-UNID.		27	130.1			GD/MB	08/10/2005
EE1	7.5mW	1	0-20	BONE INDETERMINATE	WT.>0.1g; CALCINED	1	0.1			MJ/VL	08/10/2005
EE1	7.5mW	1	0-20	GLASS MOLDED CLEAR TABLE/DRINKING GLASS		6	36.			MJ/VL	08/10/2005
EE1	7.5mW	1	0-20	GLASS CLEAR CONTAINER BOTTLE NECK	MEND; THREADED TOP	2	4.5			MJ/VL	08/10/2005
EE1	7.5mW	1	0-20	GLASS CLEAR CONTAINER BOTTLE-UNID.		35	56.1			MJ/VL	08/10/2005
EE1	7.5mW	1	0-20	GLASS EMBOSSED AMBER CONTAINER BOTTLE-UNID.	"..DS.."	1	3.1			MJ/VL	08/10/2005
EE1	7.5mW	1	0-20	GLASS AMBER CONTAINER BOTTLE-UNID.	PART OF ABOVE	5	8.5			MJ/VL	08/10/2005
EE1	7.5mW	1	0-20	GLASS WINDOW		6	9.4			MJ/VL	08/10/2005
EE2		1	0-14	WHITEWARE TRANSFER RED TABLEWARE/TEAWARE	MEND; UNUSUAL TRANSFER - LOOKS LIKE STENCIL; POSS.20TH CENTURY?	3	1.2	1830	1850	MJ/VL	08/09/2005
EE2		1	0-14	IRONSTONE UNDIFFERENTIATED		1	10.3	1850	2005	MJ/VL	08/09/2005
EE2		1	0-14	STONEWARE SALT GLAZE UNDIFFERENTIATED		1	5.1	1800	1900	MJ/VL	08/09/2005
EE2		1	0-14	GLASS MELTED AQUA CONTAINER BOTTLE-UNID.		1	1.9			MJ/VL	08/09/2005
EE2		1	0-14	GLASS OLIVE CONTAINER BOTTLE-UNID.		1	4.6			MJ/VL	08/09/2005
EE2		1	0-14	GLASS WINDOW		2	3.7			MJ/VL	08/09/2005
EE2		1	0-14	GLASS ETCHED CLEAR LAMP CHIMNEY		1	0.6			MJ/VL	08/09/2005
EE2	1mW	1	0-25	FERROUS METAL CUT NAIL		1	7.9			MJ/VL	08/10/2005
EE2	7.5mE	1	0-15	BONE INDETERMINATE		2	3.			MJ/VL	08/10/2005
EE2	7.5mE	1	0-15	SHELL CLAM		2	8.8			MJ/VL	08/10/2005
EE2	7.5mE	1	0-15	FERROUS METAL CUT NAIL		8	48.1			MJ/VL	08/10/2005
EE2	7.5mE	1	0-15	FERROUS METAL CUT NAIL FRAG		3	4.1			MJ/VL	08/10/2005
EE2	7.5mE	1	0-15	FERROUS METAL WIRE NAIL		2	3.6			MJ/VL	08/10/2005
EE2	7.5mE	1	0-15	CUPROUS METAL GUN CARTRIDGE	"WESTERN" "X PERT"; 12 GAUGE	1	4.9			MJ/VL	08/10/2005

STP		LEVEL	DEPTH (CM)	DESCRIPTION	C... ...NTS	CT	WT(g)	BEGIN DATE	END DATE	CREW	DATE
EE2	7.5mE	1	0-15	GLASS MOLDED CLEAR CONTAINER BOTTLE-CONDIMENT	TOP; THREADED & GROUND LIP	1	14.5			MJ/VL	08/10/2005
EE2	7.5mE	1	0-15	GLASS AQUA CONTAINER BOTTLE-UNID.	BASE	1	7.1			MJ/VL	08/10/2005
EE2	7.5mE	1	0-15	GLASS CLEAR CONTAINER BOTTLE-UNID.		3	3.1			MJ/VL	08/10/2005
EE2	7.5mE	1	0-15	GLASS AQUA CONTAINER BOTTLE-UNID.		3	6.5			MJ/VL	08/10/2005
EE2	7.5mE	1	0-15	GLASS WINDOW		3	3.7			MJ/VL	08/10/2005
EE2	7.5mE	1	0-15	GLASS CLEAR LAMP CHIMNEY		3	1.3			MJ/VL	08/10/2005
EE2	7.5mE	1	0-15	IRONSTONE TABLEWARE/TEAWARE	RIM; CUP OR MUG	1	36.	1850	2005	MJ/VL	08/10/2005
EE2	7.5mE	1	0-15	IRONSTONE TABLEWARE/TEAWARE PLATE OR SAUCER	MEND; 1 BURNT	5	28.9	1850	2005	MJ/VL	08/10/2005
EE2	7.5mE	1	0-15	WHITEWARE TRANSFER BLUE TABLEWARE/TEAWARE		2	2.1	1830	1870	MJ/VL	08/10/2005
EE2	7.5mE	1	0-15	WHITEWARE UNDIFFERENTIATED		1	0.3	1830	2005	MJ/VL	08/10/2005
EE2	7.5mE	1	0-15	STONEWARE SALT GLAZE/ALB. SLIP FOOD PREP/STORAGE CROCK	RIM	1	49.5	1800	1900	MJ/VL	08/10/2005
EE2	7.5mW	1	0-13	FERROUS METAL CUT NAIL		9	25.3			MJ/VL	08/10/2005
EE2	7.5mW	1	0-13	GLASS AQUA UNDIFFERENTIATED	BASE; POSS. CANNING JAR	1	88.			MJ/VL	08/10/2005
EE2	7.5mW	1	0-13	GLASS AQUA UNDIFFERENTIATED	POSS. PART OF ABOVE	1	0.2			MJ/VL	08/10/2005
EE2	7.5mW	1	0-13	GLASS CLEAR CONTAINER BOTTLE-UNID.		7	63.5			MJ/VL	08/10/2005
EE2	7.5mW	1	0-13	GLASS AMBER CONTAINER BOTTLE-UNID.	POSS. MODERN BEVERAGE BOTTLE	2	3.8			MJ/VL	08/10/2005
EE2	7.5mW	1	0-13	MILK GLASS EMBOSSED UNDIFFERENTIATED	"..LI.."; POSS. BOTTLE OR JAR; BASE	1	3.			MJ/VL	08/10/2005
EE2	7.5mW	1	0-13	GLASS WINDOW		1	0.7			MJ/VL	08/10/2005
EE2	7.5mW	1	0-13	WHITEWARE ANNULAR BANDED FOOD PREP/SERVICE BOWL	RIM; DK BLUE, LT BLUE, WHITE, & BROWN	1	3.9	1830	1900	MJ/VL	08/10/2005
EE3		1	0-25	SHELL OYSTER		1	8.3			MJ/VL	08/09/2005
EE3		1	0-25	SHELL CLAM		3	0.8			MJ/VL	08/09/2005
EE3		1	0-25	GLASS AQUA CONTAINER BOTTLE-UNID.		1	5.4			MJ/VL	08/09/2005
EE3		1	0-25	GLASS MOLDED SUN PURPLED UNDIFFERENTIATED	POSS. TABLE/DRINKING GLASS	1	4.7	1880	1918	MJ/VL	08/09/2005
EE3		1	0-25	STONEWARE ALBANY SLIP FOOD PREP/STORAGE MIXING BOWL		1	9.3	1900	1940	MJ/VL	08/09/2005

STP	[illegible]	LEVEL	DEPTH (CM)	DESCRIPTION	CO[illegible]TS	CT	WT(g)	BEGIN DATE	END DATE	CREW	[illegible]DATE
EE3		1	0-25	PORCELAIN UNDIFFERENTIATED		1	0.5			MJ/VL	08/09/2005
EE3		1	0-25	IRONSTONE UNDIFFERENTIATED	SLIGHTLY CREAM COLORED	2	0.5	1850	2005	MJ/VL	08/09/2005
EE3		1	0-25	IRONSTONE TABLEWARE/TEAWARE PLATE OR SAUCER	1 RIM & 1 FOOT RIM	3	6.1	1850	2005	MJ/VL	08/09/2005
EE3		1	0-25	IRONSTONE UNDIFFERENTIATED	NOT PART OF ABOVE	1	1.6	1850	2005	MJ/VL	08/09/2005
EE3		1	0-25	WHITEWARE TRANSFER RED TABLEWARE/TEAWARE		1	0.1	1830	1850	MJ/VL	08/09/2005
EE3		1	0-25	WHITEWARE UNDIFFERENTIATED		2	2.2	1830	2005	MJ/VL	08/09/2005
EE3		2	25-33	SHELL CLAM		2	1.7			MJ/VL	08/09/2005
EE3		2	25-33	GLASS SUN PURPLED CONTAINER BOTTLE-UNID.		1	0.4	1880	1918	MJ/VL	08/09/2005
EE3		2	25-33	GLASS WINDOW		2	0.4			MJ/VL	08/09/2005
EE3		2	25-33	WHITEWARE UNDIFFERENTIATED		2	1.7	1830	2005	MJ/VL	08/09/2005
EE3		2	25-33	IRONSTONE UNDIFFERENTIATED		2	4.5	1850	2005	MJ/VL	08/09/2005
EE3	5mN	1	0-20	GLASS CLEAR CONTAINER BOTTLE-UNID.		1	4.3			MJ/VL	08/10/2005
EE3	7.5mE	1	0-25	SHELL CLAM		3	9.8			MJ/VL	08/10/2005
EE3	7.5mE	1	0-25	FERROUS METAL CUT NAIL FRAG		1	6.5			MJ/VL	08/10/2005
EE3	7.5mE	1	0-25	CUPROUS METAL SHOE EYE		1	0.2			MJ/VL	08/10/2005
EE3	7.5mE	1	0-25	GLASS CLEAR CONTAINER BOTTLE-UNID.		4	2.6			MJ/VL	08/10/2005
EE3	7.5mE	1	0-25	GLASS MOLDED AQUA CONTAINER BOTTLE-UNID.	POSS. CONDIMENT BOTTLE	1	11.7			MJ/VL	08/10/2005
EE3	7.5mE	1	0-25	GLASS AQUA CONTAINER BOTTLE-UNID.		1	5.2			MJ/VL	08/10/2005
EE3	7.5mE	1	0-25	GLASS SUN PURPLED CONTAINER BOTTLE-UNID.		1	2.6	1880	1918	MJ/VL	08/10/2005
EE3	7.5mE	1	0-25	MILK GLASS PRESSED UNDIFFERENTIATED	RIM; BOWL-LIKE VESSEL	1	4.7			MJ/VL	08/10/2005
EE3	7.5mE	1	0-25	GLASS WINDOW		8	9.			MJ/VL	08/10/2005
EE3	7.5mE	1	0-25	REDWARE LEAD GLAZED FOOD PREP/SERVICE		1	1.		1900	MJ/VL	08/10/2005
EE3	7.5mE	1	0-25	YELLOWWARE UNDIFFERENTIATED	RIM	1	1.1	1830	1900	MJ/VL	08/10/2005
EE3	7.5mE	1	0-25	WHITEWARE TRANSFER RED TABLEWARE/TEAWARE	BASE; POSS. TEA CUP	1	0.7	1830	1850	MJ/VL	08/10/2005

STP		LEVEL	DEPTH (CM)	DESCRIPTION	CO[illegible]TS	CT	WT(g)	BEGIN DATE	END DATE	CREW	DATE
EE3	7.5mE	1	0-25	WHITEWARE UNDIFFERENTIATED		13	8.5	1830	2005	MJ/VL	08/10/2005
EE3	7.5mE	1	0-25	IRONSTONE UNDIFFERENTIATED	RIM; POSS. CUP, MUG, OR BOWL	1	0.4	1850	2005	MJ/VL	08/10/2005
EE3	7.5mE	1	0-25	WHITEWARE ANNULAR BANDED TABLEWARE/TEAWARE	BLUE EXTERIOR, WHITE INTERIOR	1	1.8	1830	1900	MJ/VL	08/10/2005
EE3	7.5mE	1	0-25	PORCELAIN HAND PAINTED RED UNDIFFERENTIATED		1	2.2			MJ/VL	08/10/2005
EE3	7.5mE	1	0-25	GLASS CLEAR LAMP CHIMNEY		3	0.4			MJ/VL	08/10/2005
EE3	7.5mW	1	0-24	FERROUS METAL CUT NAIL		1	6.8			MJ/VL	08/10/2005
EE3	7.5mW	1	0-24	GLASS CLEAR CONTAINER BOTTLE NECK	THREADED	1	1.1			MJ/VL	08/10/2005
EE3	7.5mW	1	0-24	GLASS CLEAR CONTAINER BOTTLE-UNID.	1 BASE FRAG.	2	14.7			MJ/VL	08/10/2005
EE3	7.5mW	1	0-24	GLASS AMBER CONTAINER BOTTLE-UNID.		1	7.5			MJ/VL	08/10/2005
EE3	7.5mW	1	0-24	IRONSTONE TEAWARE TEA CUP	MEND	3	23.1	1850	2005	MJ/VL	08/10/2005
EE3	7.5mW	1	0-24	WHITEWARE UNDIFFERENTIATED		1	0.5	1830	2005	MJ/VL	08/10/2005
EE3	7.5mW	1	0-24	IRONSTONE MOLDED TABLEWARE/TEAWARE SAUCER	RIM; FAINTLY MOLDED	1	0.4	1850	1870	MJ/VL	08/10/2005
EE3	7.5mW	1	0-24	IRONSTONE MOLDED TABLEWARE/TEAWARE		1	2.1	1850	1870	MJ/VL	08/10/2005
EE3	7.5mW	1	0-24	WHITEWARE MOLDED EDGE BLUE TABLEWARE/TEAWARE		1	0.1	1830	1860	MJ/VL	08/10/2005
FF6		1	0-10	SHELL CLAM		1	5.			GD/MB	08/09/2005
FF6		1	0-10	SHELL OYSTER		1	1.1			GD/MB	08/09/2005
FF6		1	0-10	IRONSTONE UNDIFFERENTIATED	MEND	1	1.9	1850	2005	GD/MB	08/09/2005
FF6		1	0-10	GLASS AQUA CONTAINER BOTTLE-UNID.		1	0.7			GD/MB	08/09/2005
GG5		1	0-12	SHELL OYSTER		1	9.7			MJ/VL	08/09/2005
GG5		1	0-12	GLASS AQUA CONTAINER BOTTLE-UNID.	POSS. ALL SAME VESSEL; POSS. MODERN SODA BOTTLE	15	12.9			MJ/VL	08/09/2005
GG6		1	0-10	SHELL CLAM		1	0.1			MJ/VL	08/09/2005
GG6		1	0-10	GLASS CLEAR CONTAINER BOTTLE-UNID.		1	3.6			MJ/VL	08/09/2005
GG6		1	0-10	GLASS CLEAR LAMP CHIMNEY		1	0.1			MJ/VL	08/09/2005
HH6		1	0-31	SHELL OYSTER		1	17.6			GD/MB	08/09/2005

STP	[illegible]	LEVEL	DEPTH (CM)	DESCRIPTION	CO[illegible]TS	CT	WT(g)	BEGIN DATE	END DATE	CREW	[illegible]DATE
HH6		1	0-31	IRONSTONE TEAWARE TEA CUP	RIM	1	8.2	1850	2005	GD/MB	08/09/2005
HH6		1	0-31	IRONSTONE MOLDED TABLEWARE/TEAWARE		1	1.7	1850	1870	GD/MB	08/09/2005
HH6		1	0-31	GLASS ETCHED CLEAR UNDIFFERENTIATED		1	1.4			GD/MB	08/09/2005
HH6		1	0-31	GLASS CLEAR LAMP CHIMNEY		1	0.2			GD/MB	08/09/2005
JJ12		1	0-15	PORCELAIN DECAL TABLEWARE/TEAWARE	RED, YELLOW, & OLIVE	1	1.9	1890	2005	GD/MB	08/09/2005
KK11		1	0-14	IRONSTONE TEAWARE TEA CUP	MEND	4	58.1	1850	2005	MJ/VL	08/09/2005
MM13		1	0-25	GLASS WINDOW		1	1.2			LM/JM	08/10/2005
RR17		1	0-25	FERROUS METAL UNDIAG. NAIL FRAG.	POSS. CUT NAIL FRAG.	1	2.6			LM/JM	08/10/2005
SS17		1	0-15	STONEWARE SALT GLAZE/ALB. SLIP UNDIFFERENTIATED		1	9.2	1800	1900	MJ/VL	08/10/2005
TT16		1	0-12	FERROUS METAL CUT NAIL		1	6.9			MJ/VL	08/10/2005

Attachment H: Project Area Photographs

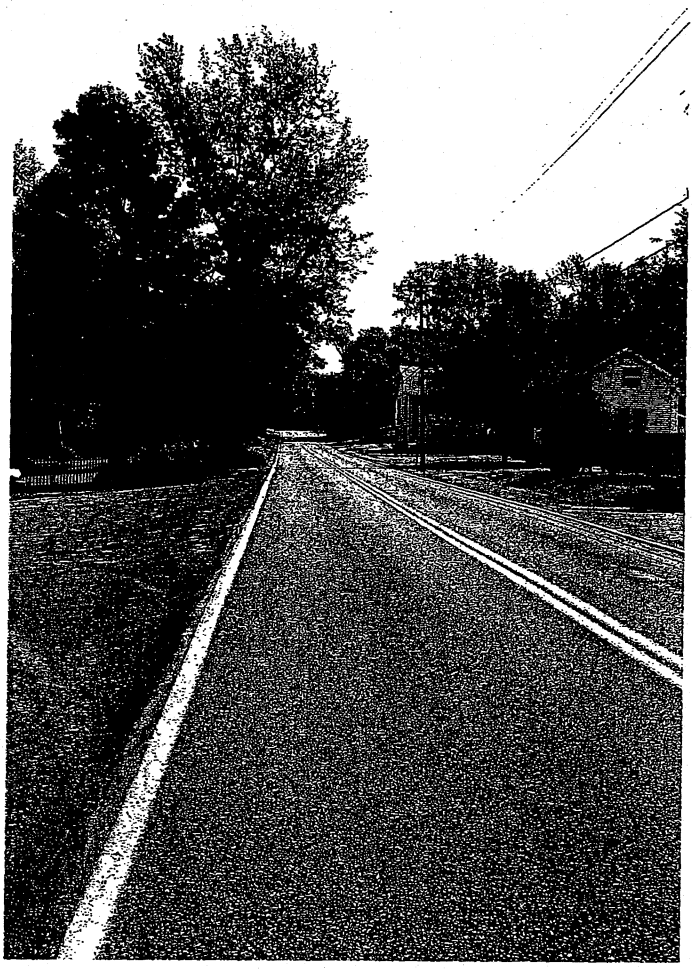


Photo 1: Proposed sewer line along Pinewoods Avenue, facing east from Forest Hills Cemetery.

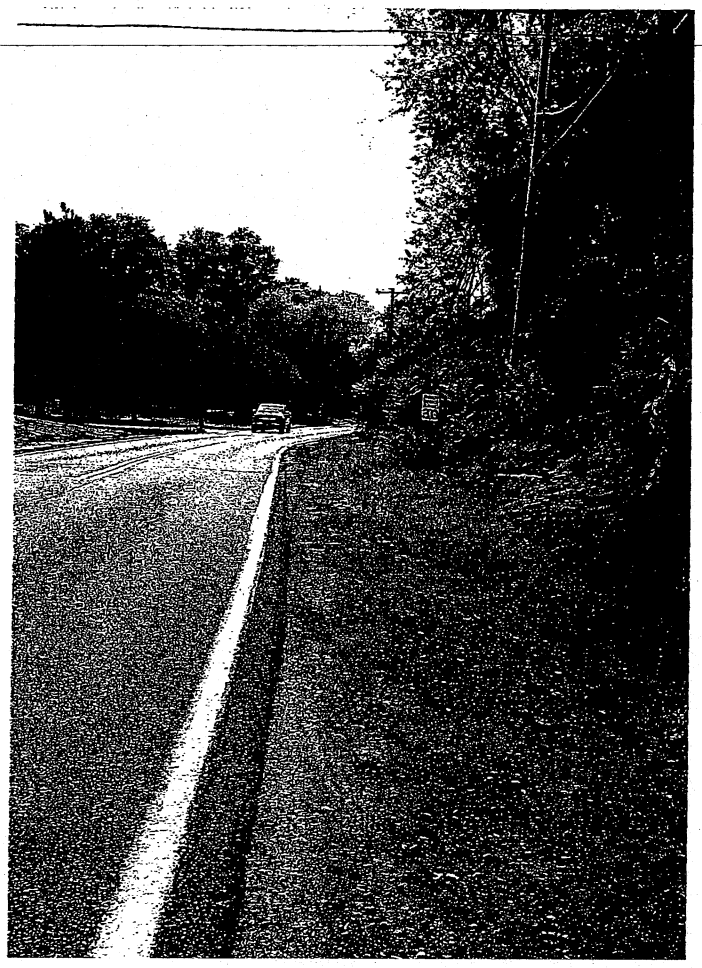


Photo 2: Proposed sewer line along Pinewoods Avenue, facing west from Cranston Road.

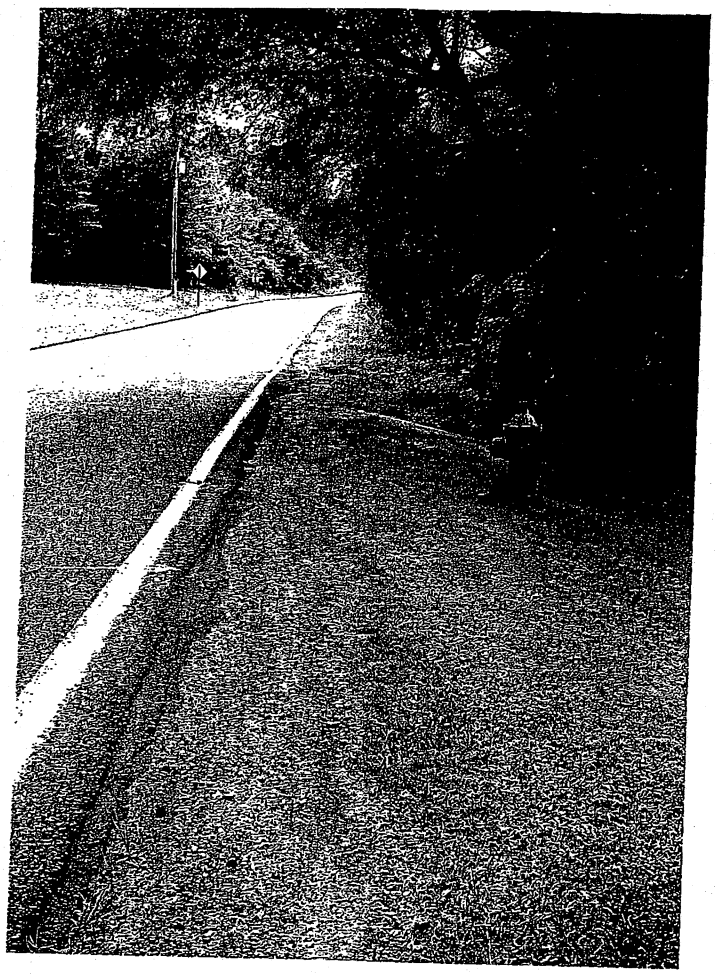


Photo 3: Proposed sewer line along Pinewoods Avenue, facing west from Langstaff Lane.

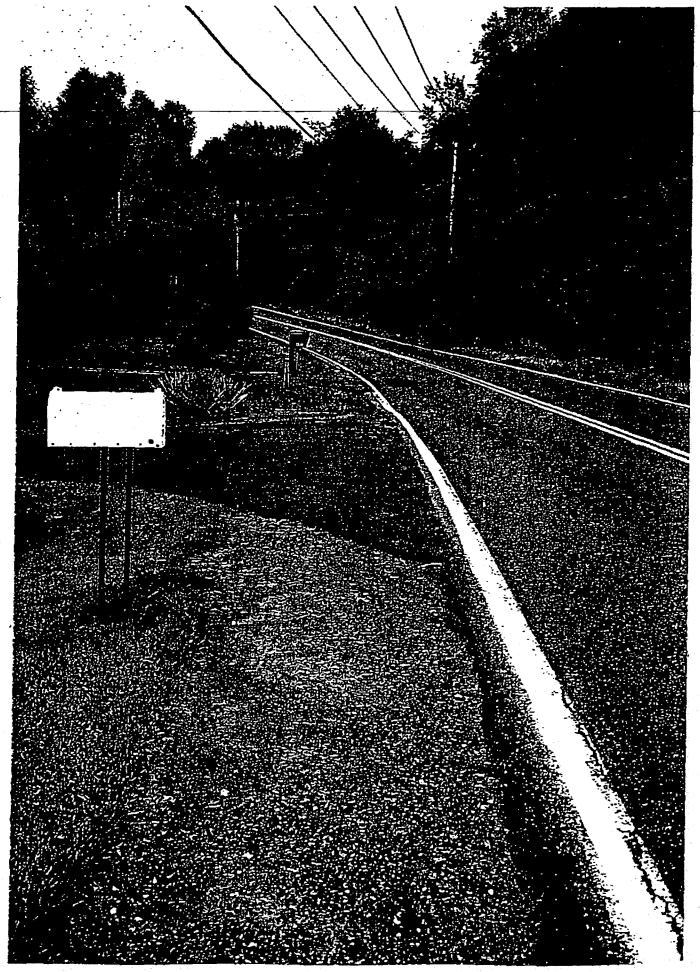


Photo 4: Proposed sewer line along Pinewoods Avenue, facing east from Langstaff Lane.

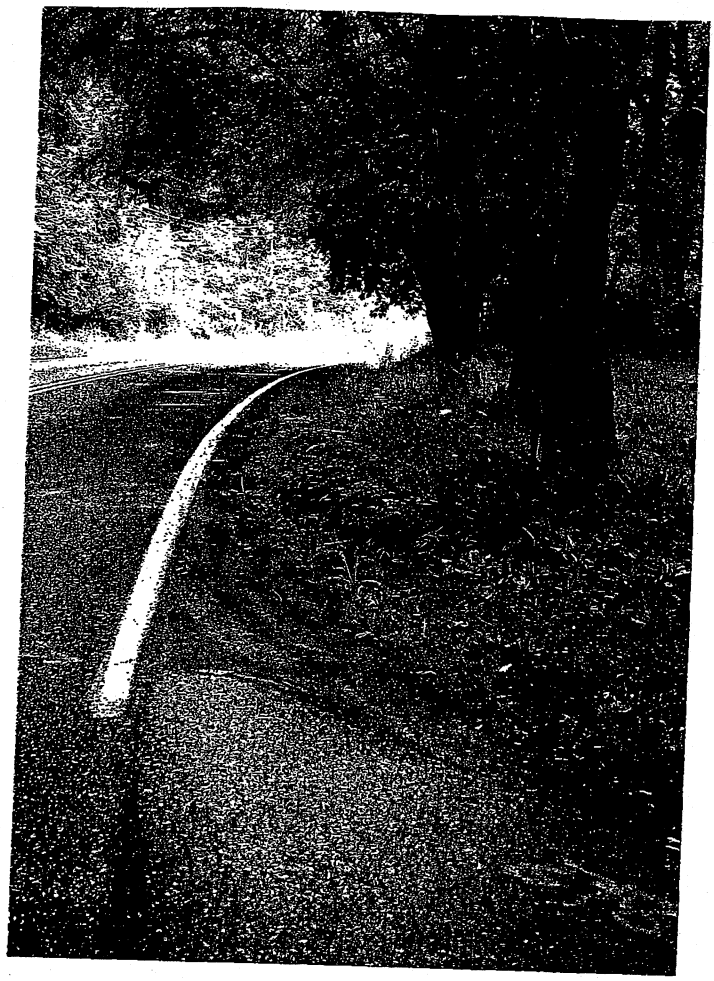


Photo 5: Proposed sewer line along Pinewoods Avenue, facing west from Deerfield Drive.

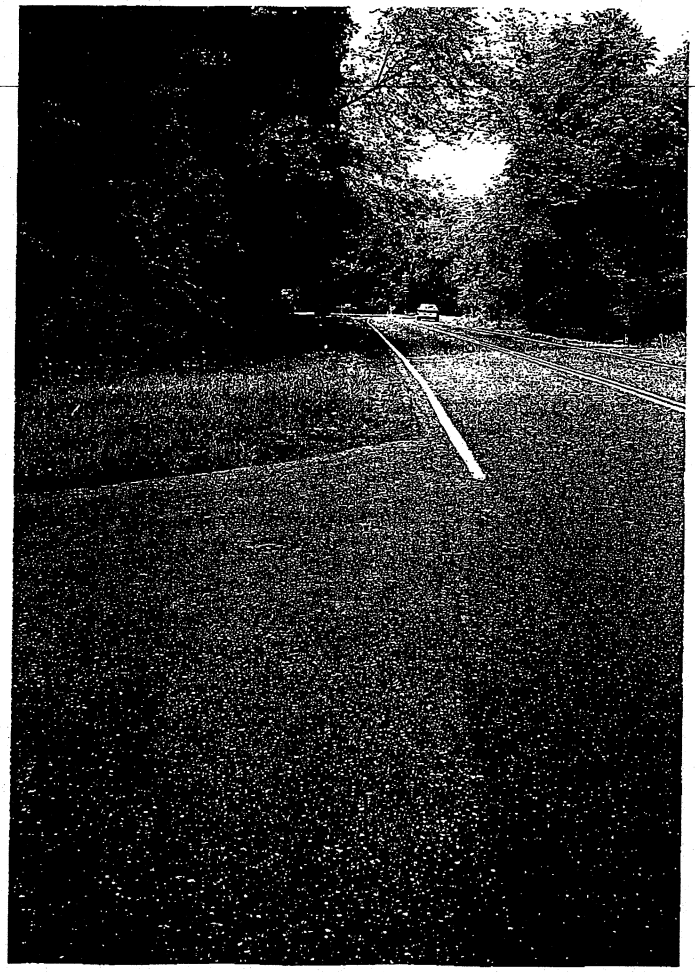


Photo 6: Proposed sewer line along Pinewoods Avenue, facing east from Deerfield Drive.

Photo 7: Proposed sewer line along Pinewoods Avenue, facing west from eastern boundary.

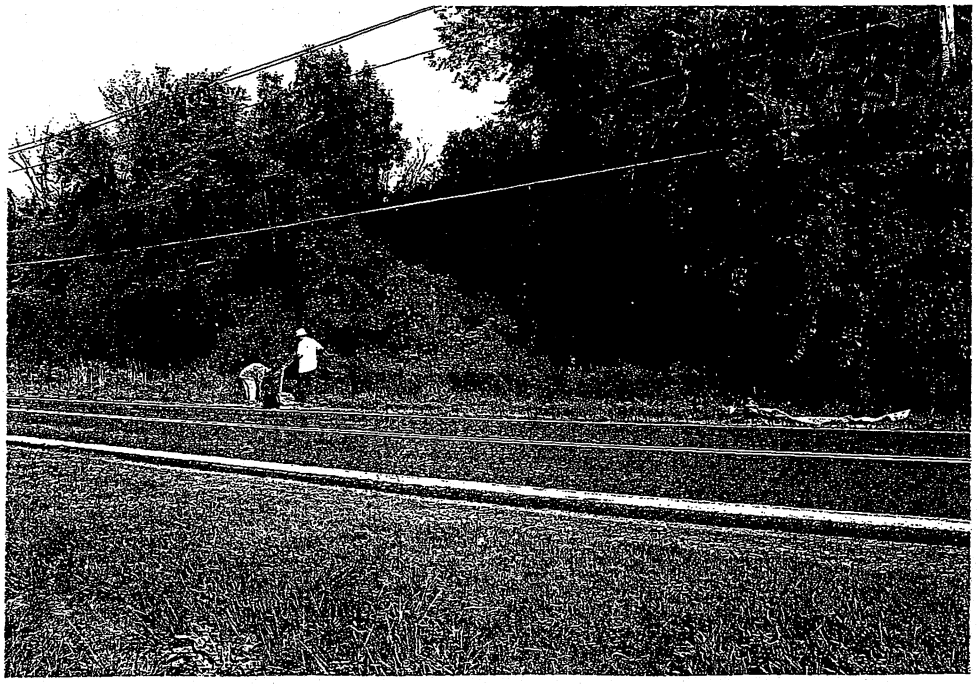


Photo 8: Proposed sewer line along Pinewoods Avenue, facing northwest toward STP AA 30.

Photo 9: Proposed sewer line along Pinewoods Avenue, facing north. Historic standing structure. Untestable area due to invisible dog fence.

Photo 10: 3.6 ha (9-acre) parcel, facing southwest from STP MM12 toward block building near southwestern boundary.

Photo 11: 3.6 ha (9-acre) parcel, facing north from STP KK7.

Photo 12: 3.6 ha (9-acre) parcel, facing south from STPDD6. Untestable area due to standing water/wetlands.

Photo 13: 3.6 ha (9-acre) parcel, facing west from STPDD6. Untestable area due to standing water/wetlands.

Photo 14: 3.6 ha (9-acre) parcel, facing west from STPGG11.

Photo 15: W. J. Stillman site (SUBi-2537). Facing north along the BB line site.

Photo 16: W. J. Stillman site (SUBi-2537). Facing southwest from STP EE2.

Photo 17: W. J. Stillman site (SUBi-2537). Facing west toward STP EE2.

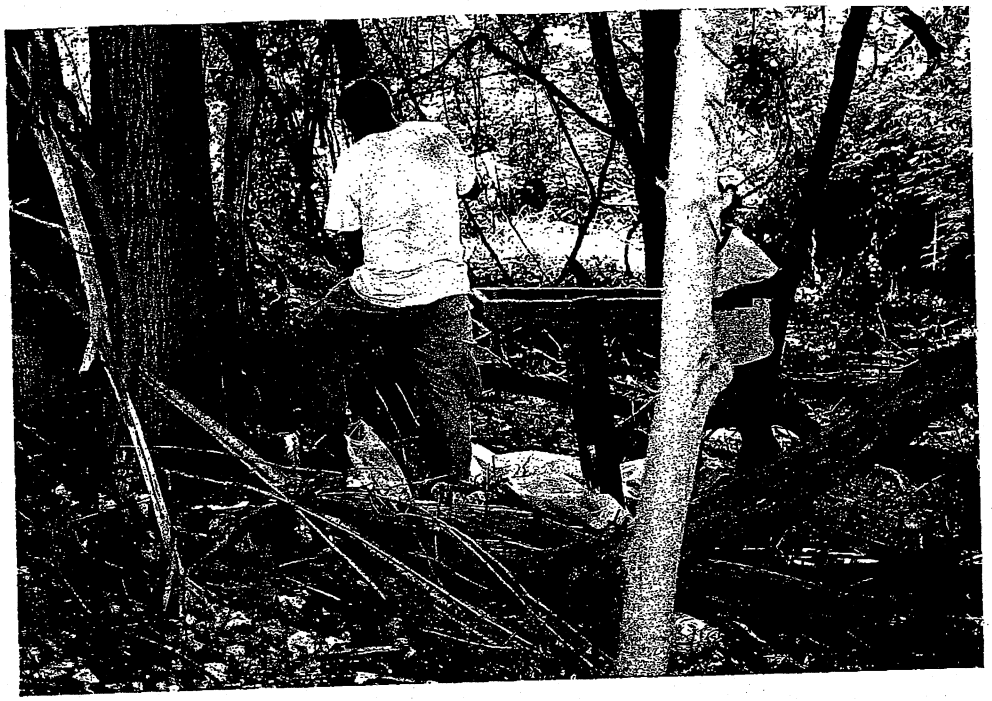


Photo 18: W. J. Stillman site (SUBi-2537). Facing west toward STP EE2/7.5mW.

Photo 19: W. J. Stillman site (SUBi-2537). Facing west toward STP EE3.

Attachment I: OPR&HP Historic Site Form

CONFIDENTIAL

NEW YORK STATE HISTORIC ARCHAEOLOGICAL SITE INVENTORY FORM

For Office Use Only--Site Identifier

Project Identifier:
Date: **August 18, 2005**

Your Name: **Laurie E. Miroff**
Phone: **(607)777-4786**
Address: **Public Archaeology Facility**
Binghamton University, Binghamton NY 13902-6000

Organization (if any): **Public Archaeology Facility, Binghamton University**

1. Site Identifier(s): **W. J. Stillman Site (SUBi-2537)**

2. County: **Rensselaer** one of following:
City:
Town: **Brunswick**
Incorporated Village:
Unincorporated Village or Hamlet:

3. Present Owner:
Address:

4. Site Description (check all appropriate categories):
Structure/site
Superstructure: complete partial collapsed X not evident
Foundation: above X below (ground level) not evident
Structural subdivisions apparent: Only surface traces visible Buried traces detected

List construction materials (specific as possible):
Grounds
Under cultivation Sustaining erosion X Woodland Upland
X Never cultivated Previously cultivated Flood plain Pastureland
Soil Drainage: X excellent good fair poor
Slope: flat gentle X moderate steep

Distance to nearest water from structure: **155 m (508.5 ft) south of a tributary of Poesten Kill.**

Elevation: **137 m (450 ft) asl**

5. Site Investigation (append additional sheets, if necessary):
Surface finds date(s):
Site Map (Submit with form*)
collection
Subsurface--date(s): **08/08/05 - 08/10/05**
Testing: shovel X coring other ; unit size: **40 cm in diameter**
no. of STPs: **29**
Excavation: unit size: ; no. of units:
(Submit plan of units with form*)
*Submission should be 81/2"x ll", if feasible

Investigator: **Laurie E. Miroff, Public Archaeology Facility**

Manuscript or published report(s) (reference fully):
Miroff, Laurie
2005 ***Report of Field Reconnaissance, Phase 1B Cultural Resource Survey, Carriage Hill Estates 9-acre Parcel and Pinewoods Alternate Sewer Line Project, Town of Brunswick, Rensselaer County, New York, MCD 08302.*** **Public Archaeology Facility, Binghamton University. Binghamton, New York.**

Present repository of materials: **Public Archaeology Facility, Binghamton University**

6. Site inventory:
   a. date constructed or occupation period: **mid to late 19th century**
   b. previous owners, if known:
   c. modifications, if known:
   (append additional sheets, if necessary)

7. Site documentation (append additional sheets, if necessary):
   a. Historic map references:

1) Name	**W. J. Stillman**	Date **1861**	Source **Lake and Beers**
2) Name	**W. J. Stillman**	Date **1876**	Source **Beers**
3) Name		Date **1893**	Source **Topographic Map**
4) Name		Date **1928**	Source **Topographic Map**
5) Name		Date **1950**	Source **Topographic Map**
6) Name		Date **1953**	Source **Topographic Map**
7) Name		Date **1995**	Source **Topographic Map**

   b. Representation in existing photography
      1) Photo Date Where located
      2) Photo Date Where located

   c. Primary and secondary source documentation (reference fully)

   d. Persons with memory of site:
      1) Name Address
      2) Name Address

8. List of material remains other than those used in construction (be specific as possible in identifying object and material):
68 window glass sherds, 24 cut nails, 16 wire nails, 12 cut nail fragments, 9 wire nail fragments, 2 undiagnostic nail fragments, 1 barbed wire, 1 jar rubber, 1 food preparation/storage glass lightning seal lid, 1 molded glass condiment bottle sherd, 6 molded table/drinking glass sherd, 25 ironstone tableware/teaware sherds, 7 ironstone teaware sherds, 14 ironstone tableware sherds, 4 porcelain food service sherds, 1 porcelain teaware sherd, 1 porcelain tableware sherd, 1 redware food preparation/service sherd, 1 redware tableware/teaware sherd, 2 stoneware food preparation/storage sherds, 1 whiteware food preparation/service sherd, 10 whiteware tableware/teaware sherds, 11 unidentifiable bone, 19 clam shells, 15 oyster shells, 1 light green embossed glass, 10 hand painted porcelain flower pot sherds, 9 glazed stoneware sherds, 12 clear lamp chimney glass sherds, 1 light blue lamp chimney glass sherd, 1 etched clear lamp chimney glass sherd, 4 leather shoe fragments, 1 milk glass button, 1 metal shoe eye, 2 cobalt embossed glass container medicinal bottle sherds, 1 clear glass dropper, 1 gun cartridge, 1 scissors, 248 bottle glass fragments (212 clear, 13 amber, 11 aqua, 3 sun-purpled, 2 embossed amber, 2 embossed clear, 1 melted aqua, 1 molded aqua, 1 cobalt, 1 light green, and 1 olive). 48 unaffiliated ceramics (23 ironstone, 19 whiteware, 3 porcelain, 2 stoneware, and 1 yellowware), 16 unidentifiable metal, 1 can key, 1 ring, 1 screw, 18 sheet metal, 1 staple, 9 tin can fragments, 4 wire, 5 clear glass sherds, 11 unidentifiable glass (3 aqua, 2 clear, 1 molded clear, 1 molded sun-purpled, 1 embossed milk glass, 1 press milk glass, 1 frosted clear, 1 embossed aqua).

If prehistoric materials are evident, check here and fill out prehistoric site form

9. Map References: Map or maps showing exact location and extent of site must accompany this form and must be identified by source and date. Keep this submission to 8.5"x 11", if feasible.

USGS 7.5 Minute Series Quad. Name: ***1995, Troy, NY quadrangle.***

For Office Use Only--UMT Coordinates:

10. Photography (optional for environmental impact survey): Please submit a 5"x 7" black and white print(s) showing the current state of the site. Provide a label for the print(s) on a separate sheet.

Phase I Archaeological Investigations of Carriage Hill Estates and Phase II Site Evaluations of Archaeological Sites A08302.000209, A08302.000210, A08302.000211, A08302.000212, A08302.000215 and A08302.000216 Town of Brunswick Rensselaer County, New York

OPRHP# 04PR02662

Prepared for:
United Development Group
400 Jordon Road
Troy, New York 12180

Prepared by:
Landmark Archaeology, Inc.
6242 Hawes Road
Altamont, New York 12009-4606

Derrick J. Marcucci, Principal Investigator

LA# 104, 106 and 117
September 2005

Phase I Archaeological Investigations of Carriage Hill Estates and Phase II Site Evaluations of Archaeological Sites A08302.000209, A08302.000210, A08302.000211, A08302.000212, A08302.000215 and A08302.000216 Town of Brunswick Rensselaer County, New York

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LA# 104, 106 and 117
September 2005

MANAGEMENT SUMMARY

SHPO Project Review Number: 04PR02662

Federal Agencies:
State Agencies:

Phase of Study: Phase I and II

Location:
Minor Civil Division: Town of Brunswick
County: Rensselaer County

USGS 7.5' Quadrangle Map: Troy South (1980) & Averill Park (1980)

Survey Area
Length: max.-1,322.52 m (4,339 feet)
Width: max-1,064.6 m (3,493 feet)
Depth:
Size

Total Acres Surveyed: 185 acres (74.9 hectares)
Total Square Meters Excavated (Phase 1 & II): Phase I=170.43sqm, Phase II=68.26sqm
Total Square Feet Excavated (Phase I & II): Phase I=1,834.55 sqf, Phase II=734.76sqf

Site Percentage (Phase I and II):

Site	Percent
A08302.000209*	4.38%
A08302.000210*	4.3%
A08302.000211*	2.15%
A08302.000212*	1.68%
A08302.000213	0.24%
A08302.000214	0.02%
A08302.000215*	1.41%
A08302.000216*	1.4%
A08302.000217**	N/A

* Phase II conducted **No testing, outside APE

Archaeological Survey Overview
Total and Interval of Shovel Tests: Phase I-15-m interval: 1,311 STPs
Phase II-1-5-m interval: 402
Total and Size of Units: 16 1x1-meter
Width of Plowed Strips: n/a
Surface Survey Transect Interval: n/a

Results of Archaeological Survey
Number and name of prehistoric sites identified: A08302000209, 210, 211,215,216
Number and name of historic sites identified: A08302000212 and A08302.000214
Sites Recommended for Phase II/Avoidance: A08302.000213 and A08302.000217

Report Author(s): Derrick J. Marcucci
Landmark Archaeology, Inc.

Date of Report: September, 2005

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I. INTRODUCTION

This report presents the results of an intensive level Phase I archaeological survey and six Phase II archaeological site evaluations conducted for the proposed Carriage Hills Estates Residential Subdivision (OPRHP# 04PR02662) located in the town of Brunswick, Rensselaer County, New York (Figure 1). The investigation was conducted by Landmark Archaeology, Inc., who was retained as a consultant by the United Development Group (UDG) of Albany, New York. The project consists of a residential housing development situated within a 217-acre parcel near Troy, New York.

The Phase I study was conducted to: (a) inspect the project area and precisely define the spatial boundaries of any archaeological resources in relation to the limits of the project area, (b) assess the potential of the project area for deeply buried cultural deposits, (c) conduct surface and limited subsurface investigations of the resources which are either partially or completely in the area of the proposed construction, and (d) provide recommendations for those archaeological resources which may be impacted by proposed development activities. Phase II site evaluations were conducted to determine whether or not historic properties within the area of potential effect (APE) are eligible to the National Register of Historic Places (NRHP). These tasks were conducted to provide federal and state reviewing agencies with the appropriate documentation to evaluate the effect of the proposed project on historic and/or prehistoric cultural resources.

The Phase I study was conducted in two stages: a Phase IA literature review and a Phase IB intensive-level identification survey. The purpose of the Phase IA investigation was to assess the potential for NRHP properties to exist within the project area. Research tasks associated with the Phase IA study consisted of a literature review and records search at the New York Office of Parks, Recreation and Historic Preservation (OPRHP). The Phase IB study included an intensive level identification survey consisting of a pedestrian survey and shovel test excavations within the project parcel's APE. Nine archaeological sites were identified by the Phase IB study: Sites A08302.000209, A08302.000210, A08302.000211, A08302.000212, A08302.000213, A08302.000214, A08302.000215, A08302.000216, and A08302.000217. Five sites yielded prehistoric materials, A08302.000209, A08302.000210, A08302.000211, A08302.000215 and A08302.000216, and the remaining sites, A08302.000212, A08302.000213, A08302.000214 and A08302.000217, are historic sites.

Phase II investigations were designed to gather data with which to evaluate the NRHP eligibility status of six of the nine archaeological sites: A08302.000209, A08302.000210, A08302.000211, A08302.000212, A08302.000215 and A08302.000216. Site eligibility is based on NRHP criteria of significance (36CFR60.6, Federal Register 1976). Phase II field efforts consisted of shovel test and test unit excavations. All Phase I and II field and analytical methods were conducted in accordance with guidelines established in *Standards for Cultural Resource Investigations and the Curation of Archaeological Collections in New York* by the New York Archaeological Council (NYAC 1994) and adopted by the OPRHP.

The following technical report presents the results of the Phase I survey and Phase II site evaluations conducted in the months of November and December 2004 and April and May 2005. Derrick Marcucci served as the Principal Investigator for the project and he supervised all aspects of the investigation. Background research for the investigation was compiled by Croshier Archaeological Research and analyzed by Mr. Marcucci. Fieldwork was conducted by Mr. Marcucci, field supervisors Jessica Schreyer and Scott Padeni, and field technicians Rachel Braco, Justin Danish, Jessica Dayton, Josh Dubuque, Sarah Laundry, Crystal McDermott, Brian Mogul, Steven Moragne, Sarah Schreyer, and Stephanie Sprout. This report is written by Mr. Marcucci.

Graphics were completed by Derrick Marcucci, Jessica Schreyer and Scott Padeni. All field notes, photographs, and records associated with the project are on file at Landmark Archaeology, Inc., 6242 Hawes Road, Altamont, New York. Artifacts are temporarily curated at Landmark Archaeology, Inc., 6242 Hawes Road, Altamont, New York.

II. PROJECT DESCRIPTION

The proposed project is a residential subdivision located on a 217-acre parcel in the town of Brunswick, Rensselaer County (Figure 2). The parcel, located approximately two miles east of the City of Troy, is situated south of the Poesten Kill, north of Pinewoods Avenue, and immediately east of the Troy Country Club and Shippey Lane. All of the proposed development will occur south of Route 2 and north of Pinewoods Avenue. Niagara Mohawk Power Corporation (NMPC), a National Grid Company, owns a corridor that is 170 +/- feet wide. This corridor traverses the eastern part of the project area in a north-south direction. The NMPC corridor contains an overhead electric transmission line and an underground natural gas pipeline.

Based on information provided to Landmark Archaeology, Inc. in May of 2005, the project consists of the construction of 100 homes and a senior complex (Figure 3). Eighty-two houses will be constructed on lot sizes ranging from 0.25 to 0.5 acres, referred to as Carriage Hill Landing, and 18 houses, named Carriage Hill Estates, will be built on lots ranging from three to over six acres in size. Carriage Hill Landing will be built east and west of the Niagara Mohawk right-of-way. Carriage Hill Estates lots are located in central portion of the site. Orchard Village at Carriage Hill, the senior complex, is situated on a steep 43-acre hillslope parcel in the northern part of the project area facing the Poesten Kill. The proposed Orchard Village at Carriage Hill includes nine, three-story apartment buildings and eight, two-story attached rental units.

A road system is proposed for the project. It will include a main north-south trending road which connects Highway 2 and Pinewoods, and a loop around Carriage Hill Landing East and several cul-de-sacs are also proposed. Additionally, a 10,250-foot (3124-m) sewer pipeline will be constructed along Pinewoods Avenue which will require the construction of a new sewer line. The sewer line corridor is not part of the current study and Phase I investigations of the corridor were completed Binghamton University (Kudrle 2005).

The APE, comprising the Phase IB archaeological survey area, was defined to encompass all ground disturbances/earthmoving activities associated with the development (Figure 3). The APE was defined by the UDG in early November 2004 with minor revisions provided to Landmark Archaeology, Inc. in May 2005. The 2005 APE revisions included a sewer corridor in the southwest section of the parcel, a water line that crosses the NMPC corridor in the north section of the survey area, and some additional acreage within the Carriage Hill Landing East area. The APE encompasses all building lots as well as adjacent land where roads, utilities, retention ponds, utilities and landscaping will occur. Areas not subjected to a Phase I survey within the parcel included those, as of May 2005, which were not proposed for development including areas north of Highway 2, a parcel west of Shippey Lane, most of the area north of Pinewoods Avenue west of the NMPC corridor and south of an unnamed low order stream, selected areas under the NMPC corridor, and setback areas along certain sections along the perimeter of the property. The APE, as defined by the UDG and presented to Landmark Archaeology, Inc. in November 2004 and revised in May 2005, encompasses of approximately 185 acres within the 217-acre parcel.

There are no standing structures within the project area. A number of residences are positioned adjacent to the project area along the north side of Pinewoods Avenue, on the north side of Highway 2, and along the west side of Shippey Lane. The location of structures that are, or may be, 50 years of age or older and color photographs of them are presented in Appendix A (Photographs 1-9). The street addresses of these structures and assigned photograph numbers are presented in Table 1.

Table 1
Street Addresses of Structures
50 Years of Age or Older Adjacent to Project Area

Field Number	Street Address	50 Years Old	Photograph # Appendix A
1	473 Pinewoods Ave Extension	Yes	1
2	517 Pinewoods Ave Extension	?	2
3	519 Pinewoods Ave Extension	?	3
4	529 Pinewoods Ave Extension	Yes	4
5	545 Pinewoods Ave Extension	Yes	5 (residence) 6 (barn)
6	295 Highway 2	Yes	7
7	14 Shippey Lane	?	8
8	36 Shippey Lane	No	9

III. DESCRIPTION OF PROJECT AREA

The project area is located in eastern New York, in west-central Rensselaer County. This part of New York is in the physiographic region known as the Hudson-Mohawk Lowlands (Isachsen et al. 2000). This region is characterized by relatively low-lying terrain with broad and gently rolling valleys. The region's topography is related to Glacial Lake Albany which covered the region 20,000 to 13,000 years ago. Bedrock in the lowlands are Ordovician in age and consist of soft sedimentary rocks (Isachsen et al. 2000:54) with Canajoharie shale mapped in the project area (Silverman 2004). Mountains surround the region on all sides and include the Adirondacks to the north, the Catskill and Shawangunks to the west, and the Taconic Mountains to the east.

The project area is located on uplands approximately three miles east of the Hudson River and two miles east of Troy, New York. The Poesten Kill, a fast flowing stream and tributary of the Hudson River, forms the northern boundary of the project parcel. The sinuosity of the Poesten Kill's channel is the result of the area's Cambrian and Ordovician bedrock controlled physiographic features. This stream drains a significant portion of the Rensselaer Plateau, a gently rolling upland zone that occupies most of the central part of the county. The Poesten Kill merges with the Hudson in southern Troy about four miles southeast of the project area. An unnamed tributary of the Poesten Kill flows westward through the southern portion of the project area, and empties into the Poesten kill south of the Troy Country Club. This ephemeral stream is narrow (<2 m/6.5 ft) and shallow, and it defines much of the southern APE limits west of the NMPC corridor.

The project area is characterized by glacial upland terrain comprised of several north/south aligned "cigar shaped" drumlin features. Drumlins are elliptical hills that have their long axis parallel to ice flow and are composed predominately of glacial till. The topography of the drumlins includes steep sideslopes and small areas of level to gently sloping summits. Small footslopes occur on at the base of some of the drumlins. Bernardston gravelly silt loam, derived from shale, slate and sandstone, is the dominant soil type formed on the drumlins within the project parcel. Water tables can become perched on these soils during times of high precipitation and create isolate pockets of poorly drained upland wetland areas. Most of the defined wetland areas within the parcel occur at the base of the drumlins and they are flanked by steep sideslopes.

Surface vegetation is dominated by about 157 acres of forest cover comprised of broadleaf and isolated conifer stands that tend to cluster on the drumlin summits. About 47 acres of open meadow land is found on the property, much of it concentrated in the southeast section of the parcel. Surface visibility was poor throughout the parcel, typically ranging from 5 to 10 percent.

Most of the parcel is comprised of undisturbed forest land that, due to the steep relief and poor soils found on the drumlin landforms, has never been cultivated. Several areas of disturbances are evident within the parcel. The NMPC corridor and gas line traverses the property north-south in the eastern section of the parcel and a buried gas pipeline is situated within the right-of-way of the corridor (Appendix A, Photograph 10). Deep vehicle ruts have formed in selected areas within this right-of-way where 4-wheel drive trucks are driven. Other areas of disturbance include several two-track roads, each five- to six-feet wide (1.5- to1.2-m), which wind through the property. The principal ATV roads are depicted in Figure 3. These roads, used mostly by 4-wheel drive trucks, ATVs and motorcycles, have cut deep ruts into the subsoils and created erosional conditions on the numerous steep hillslopes in the parcel (Appendix A, Photographs 11 and 12). Another area of disturbance includes an estimated 20-acre area in the southeast section of the parcel. According to Ms. T. Patton, a local long-term resident who lives adjacent to the project area at 529 Pinewoods, this area marks a car junk yard which was in operation circa 1950-

60s. The junk yard is depicted on a New York Department of Transportation USGS map (Figure 4). Though this map is dated 1991, the map appears to depict cultural features present 30 to 40 years ago. Scattered vehicle parts dating to the 1950-60s era are evident on many areas on the surface in this area (Appendix A, Photographs 13 and 14).

Six soils, all formed in glacial till, are mapped in the project area (Figure 5). These soils include Bernardston gravelly silt loam, Bernardston-Nassau complex, rolling, Hoosic gravelly sandy loam, Pittstown gravelly silt loam, Nassau-Manlius Complex, rolling, and Scriba silt loam (Work 1988). Bernardston gravelly silt loam (3-35% slope) is the predominant soil in the project area south of Route 2 and west of the Niagara Mohawk corridor. This soil is derived from shale, slate and sandstone and it has a dense fragipan in the substratum (Work 1988:85). In the early spring, a seasonal high water table is perched above the soils fragipan. The small parcel north of the Niagara Mohawk corridor contains Bernardston-Nassau complex soils, rolling, and the portion east of the Niagara Mohawk corridor contains primarily Bernardston-Nassau complex soils, rolling and Nassau-Manlius Complex soils, rolling. Scriba and Pittstown soils occur in small areas in the lower evaluations along the edges of the project areas two ephemeral streams. Table 2 provides summary information on soils mapped in the project area.

Table 2
Summary Soil Information

Soil Name	Symbol	Slope	Parent Material	Landform	Drainage Class
Bernardston gravelly silt loam	BeB BeC BeD BeE	3-8% 8-15% 15-25% 25-35%	Glacial till	Hillsides, hillcrests, hilltops, elongated hills, and sides of drainageways in glaciated uplands	Well drained
Bernardston-Nassau complex, rolling	BnC	8-15%	Glacial till	Hillsides of glacially modified and/or bedrock controlled uplands	Well drained
Hoosic gravelly sandy loam	HoA HoB HoE	0-3% 3-8% 25-50%	Glacial till	Terraces, kames and outwash plains	Well drained to excessively drained
Pittstown gravelly silt loam	PtC	8-15%	Glacial till	Hillsides and valley sides on glaciated uplands	Moderately well drained
Nassau-Manlius Complex, rolling	NaC	5-16%	Glacial till	Ridge sideslopes underlain by shale or slate bedrock	Well to excessively drained
Scriba silt loam	SrB	3-8%	Glacial till	Lower parts of hillsides and along drainageways in glaciated uplands	Poorly drained

Source: Work (1988)

IV. PHASE IA INVESTIGATIONS

A. RESEARCH OBJECTIVES

The goal of the Phase IA study is to assess the potential for the presence of significant archaeological resources within the project area. The study is designed to gather data regarding archaeological potential through archival research and a preliminary field inspection. All pertinent archaeological and historical literature and state records applicable to the project area are reviewed during the Phase IA investigation.

Site assessments are based on NRHP criteria of significance (36CFR60.6, *Federal Register* 1976). The criteria are:

> The quality of significance in American history, architecture, archaeology, and culture is present in districts, sites, buildings, structures, and objects of state and local importance that possess integrity of location, design, setting, materials, workmanship, feeling, and

a. that are associated with events that have made a significant contribution to the broad patterns of our history; or

b. that are associated with the lives of persons significant in our past; or

c. that embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic value, or that represent a significant and distinguishable entity whose components may lack individual distinction, or

d. that has yielded, or may be likely to yield, information important in prehistory or history.

Typically, Criterion d is the most applicable criterion for evaluation of archaeological resources.

B. BACKGROUND RESEARCH

Background research was conducted for the purpose of compiling baseline information related to the prehistory, history, geomorphology, environment and land use history of the project area. These sources provided information regarding NRHP eligible sites in the area and data with which to evaluate the project's archaeological potential.

Background research consisted of consulting official site records and cultural resource management reports at the OPRHP, the New York State Museum (NYSM) site files at the OPRHP, and historic maps at the New York State Library. Historic maps were used to identify land use history and potential for historic resources within the project area. A *GIS* database search also was conducted at OPRHP to determine the presence of NRHP properties within or near the project area.

C. RESULTS OF PHASE IA INVESTIGATIONS

Background Research

Based on the records examined at OPRHP, there are no NRHP properties within or adjacent to the project area. Site files maintained at the OPRHP revealed that there are no archaeological sites recorded within the project limits, but there are three sites within a one mile radius. One of the sites is historic, and the other two sites have no information listed on site sheets regarding the cultural association of the occupation. The sites are summarized below in Table 3.

Table 3
Previously Recorded Archaeological Sites within One Mile of the Project Area

OPRHP #	NYSM #	Distance from Ape	Reporter	Site Identifier/ Description	Time Period
	7496	1 mile east	No info	No info	
	8357	0.5 mile west	No info	No info	
	11249	1 mile east	Beth Horton	Millville House Site*	Historic- 19th to early 20th century

*** NRHP eligible**

Historic maps drafted in the mid- to late-nineteenth century (Balch 1854, Figure 6; Gallop and Co. 1861, Figure 7; 1893 USGS Troy Quadrangle, Figure 8) and early to mid-twentieth century (1928 and 1950 USGS Troy Quadrangles, Figures 9 and 10, respectively) were reviewed during the Phase IA study. In total, three structures are shown within the project area, but they are outside of the APE. These three structures are shown adjacent to the project area on the above mentioned maps. Map documented structures within or adjacent to the APE are listed in Table 4.

The historic maps also show New York State Route 2 and Pinewoods Avenue along the same alignment as they follow today. Shippey Lane is depicted as an unimproved road.

Table 4
Map Documented Structures Within or Adjacent to the Proposed APE

Address	Relationship to Project Area	Balch 1853	Gallop and Co. 1861	USGS 1893	USGS 1928	USGS 1950
Shippey Road	adjacent	G. Colehamer	G Colehamer	Y	Y	Y
Shippey Road	plotted incorrectly	--	Unnamed structure	N	N	N
Pinewoods Avenue	adjacent	A. Buss	A. Buss	Y	Y	Y
Pinewoods Avenue	within	W.J. Stillman	W.J. Stillman	Y	Y	Y
Pinewoods Avenue	adjacent	J.F. Simmons	Stillman and Rayner	Y	Y	Y
Pinewoods Avenue	adjacent	A.S. Weatherway	A.S. & M. Weatherway	N	Y	Y

Two structures appearing on Shippey Road during the mid-nineteenth century are located adjacent to, but are not within the APE. One of the structures is associated with the name G. Colehamer on the 1854 and 1861 maps, and the other structure has no associated name (see Figures 6 and 7). The unnamed structure, shown on the east side of Shippey Road in the 1861, likely was plotted in error, since no other maps preceding or following this map show a structure in this location. The setting of its location is a steep gully and no archaeological features or deposits were found in this area which would support an occupation during the mid-nineteenth century. On the west side of Shippey Road however, foundation and chimney remains were observed that support a mid-nineteenth century occupation. These ruins are outside of the project area.

A structure on the north side of Pinewoods Avenue appears to be located within the project parcel, but is not within the APE. This structure is associated with the name W.J. Stillman on the 1854 and 1861 maps (see Figures 6 and 7). This structure also is shown on USGS maps 1893-1950. On the 1950 map, the structure is shown immediately west of the Niagara Mohawk corridor. This location is not within the APE, and no surficial evidence of this residence was found.

D. ARCHAEOLOGICAL POTENTIAL

An understanding of the geological, cultural and natural history of an area is important for evaluation archaeological potential and sensitivity of a survey area. Consideration of archaeological potential must include not only the likelihood of certain site types to exit within a given area based on previous archaeological studies, but also natural and geological features and land-use patterns which may have effected the project area. Geological process such as deposition and erosion create the lay of the land. Landform settings and soil conditions strongly influence the distribution of plant and animal resources that were exploited by humans. The interaction between these two dynamics (culture and geology) produces the archaeological record. Additionally, because archaeological deposits are incorporated within landforms by natural site formation processes, they are subject to the same erosional and depositional forces as geologic deposits. The archaeological potential of the project area was considered to be highly variable, ranging from low to high based on landform characteristics, known settlement patterns of prehistoric and historic people who settled the upper Hudson Valley, and land use patterns.

The principal geologic features of the project area were formed by glaciers and have remained essentially unchanged since the early Holocene period. The modern project landscape is dominated by drumlins that are characterized by steep sideslopes and small areas of less steep summits, shoulderslopes and backslopes. The drumlins features are quite large (>20-50 acres), and a large percentage of the project area is comprised of hillslopes too steep for human occupation. Steep hillslopes comprise an estimated 75 percent of the total APE and they were considered to have little to no archaeological potential. Additionally, there are no significant Holocene-age depositional (alluvial) environments within the parcel which would have buried archaeological materials below the present ground surface. Furthermore, soils across the parcel are primarily rocky silt loams and no landforms of deep sandy deposits are present. Thus, archaeological materials, when present, were expected to occur in the A or A/B soil horizon interface. Reasonably level and dry landforms, usually the preferred locations for human habitations, are limited within the project area and they are represented mostly by hill summits and backslopes that generally are one to three acres in size. Wetland areas occur throughout the project area, usually positioned along areas at the base of drumlins. Moderately sloped and elevated landforms adjacent to these wetlands were considered to have high potential for the presence of prehistoric sites.

The nearby Poesten Kill would have been an important resource for prehistoric hunter-gatherers whose livelihood depended upon harvesting plant and animal resources. Therefore, the northern portion of the project area was considered to have potential for the presence of prehistoric sites since this area is in closest proximity to the Poesten Kill drainage system. This assessment must be tempered however, since the northern portion of the APE is comprised of moderately to severely sloped north-facing hillslopes with little, if any, land that would have been suitable for habitation or even short duration resource procurement/processing sites.

An estimated 20-acre area within the APE was used as a vehicle junkyard in the 1950s and 1960s (see Figure 4). Though no vehicles remain, car parts are scattered in varying degrees of frequency throughout the area. Soils are thin in this section of the APE and numerous bedrock exposures occur. Operating and subsequent cleaning the junkyard has disturbed a significant amount of subsurface soils. Due to the shallowness of the soils, the likelihood of intact archaeological deposits within most of the junkyard area was considered low.

While no structures are shown within APE on maps reviewed during this investigation, structures appear within and adjacent to the project area as early as 1854. Also, these maps show Route 2 and Pinewoods Avenue along the same route in 1854 as they follow today. Thus, potential for historic archaeological resources in the project area near these modern highways was considered high.

V. PHASE IB AND PHASE II METHODS

A. PHASE IB FIELD METHODS

The primary goal of the Phase IB survey is to determine the presence/absence of NRHP sites within the APE. The purpose of this discussion is to identify what methods were used to accomplish the project goals. The Phase IB field investigations were conducted during the months of November and December, 2004 and April and May, 2005. Prior to initiating fieldwork, the Principal Investigator met with UDG project personnel to confirm project limits and the APE.

For the present study, a functional site typology was utilized to organize prehistoric settlement pattern data. Specifically, sites were categorized by three forms of settlements types: (a) resource procurement stations, (b) bivouacs, and (c) base camps. A resource procurement station is defined as where one or more resources was obtained and/or processed and usually transported elsewhere for use or consumption. Archaeological correlates would include limited number of tools geared toward task-specific use (e.g., projectile points, scrapers, knives), and evidence of the tool maintenance or manufacture (e.g., tool resharpening, debitage).

A bivouac would contain the same artifact types as resource procurement station, with the additional presence of fire-cracked rocks (FCR) indicating a more sustained use (overnight or one/two days) and probably resource consumption. The presence of features such as fire hearths or storage facilities also is a good archaeological correlate of this settlement type. Like resource procurement stations, bivouacs are likely to be located near preferred resources. However, they also are more likely to be selected on the basis of other factors including proximity to water and the directional aspect of the location.

Base camps represent the most permanent settlement type. Archaeological correlates of this settlement type indicate habitation for weeks and even months by bands who likely return to the same site for years (generations). Artifacts recovered from base camps typical reflect a full range of procurement, processing and consumption activities including tools to make tools. Features including middens, storage facilities, hearths and dwellings are common occurrences on base camps.

Due to the vegetation across the project area, Phase IB efforts concentrated on the excavation of shovel tests (STP). The STP locations, various environmental features and the limits of disturbed areas were recorded using high precision 12 channel *Trimble* GPS receivers. The georeferenced data were differentially corrected for an estimated horizontal error of less than one meter. The diameter of shovel tests pits ranged from 30 to 50 centimeters. Soils were removed in 20-centimeter levels within soil horizons. All tests were excavated minimally ten centimeters into culturally sterile B soils, and the excavated soil was screened through ¼-inch mesh hardware cloth. Soil characteristics including texture and color (Munsell) and any disturbances or other noteworthy features of the tests were recorded on standardized Landmark Archaeology, Inc. forms. All shovel tests were backfilled after completion. Soil descriptions for each shovel test are given in Appendix B.

Shovel tests were positioned along linear transects, and transects and tests were spaced at 15 meter intervals. In some instances, spacing was decreased to accommodate specific landform surfaces. Distinct transect numbers were assigned in groups of 100s as the survey work moved through the parcel. Shovel testing was conducted in all areas within the APE where slopes did not exceed 12 percent or environmental features precluded excavations (i.e., exposed bedrock,

standing water, etc.). All tests were provenienced according to transect and test number. Radial tests, spaced at one to three meters, were excavated around shovel tests yielding artifacts.

B. PHASE II FIELD METHODS

Throughout the course of the Phase IB survey, Landmark Archaeology, Inc. provided summary information and location maps for all identified archaeological sites to the UDC. Based on this information and recommendations, the client approved Landmark Archaeology, Inc. to initiate Phase II archaeological fieldwork on sites that could not be avoided by project activities. The Phase II study was designed to gather data with which to evaluate the NRHP eligibility. Site evaluation is based on NRHP criteria of significance (36CFR60.6, Federal Register 1976). Typically, archaeological sites are considered eligible if they have yielded or are likely to yield information important to prehistory or history (Criterion d).

Phase II fieldwork was conducted on six sites: A08302.000209, A08302.000210, A08302.000211, A08302.000212, A08302.000215 and A08302.000216. Phase II work was completed for site A08302.000209 in December, 2004 and at the five remaining sites, in April and May 2005. Field investigations consisted of the excavation of shovel tests at 2.5-, 3-, 5-, and 15-meter intervals and the excavation of 1x1-meter test units. Shovel tests were excavated to refine the vertical and horizontal boundaries of each site. Shovel test intervals were determined by the Principal Investigator with consideration given to site type under investigation and landform. The test units were placed according to shovel test results and landform considerations, and they were placed in areas with the greatest potential to yield significant information about each site. Test units were hand-excavated through shovel skimming and trowel excavation and soils were removed in 10-centimeter arbitrary levels within natural soil horizons. All tests were excavated at least ten centimeters into culturally sterile soils.

Excavated soil was screened through ¼-inch hardware cloth. Soil characteristics and other noteworthy aspects of the excavations were recorded for each level on standardized Landmark Archaeology, Inc. forms. A soil profile was compiled for at least one wall of each 1x1-meter test unit and supplemented by color photographs. All Phase II excavations were recorded using a *Trimble GEO XT* GPS receiver. All excavations were backfilled after completion. All field notes associated with the project are on file at Landmark Archaeology, Inc., 6242 Hawes Road, Altamont, New York.

C. ANALYSIS METHODS

Artifacts were transported to laboratory facilities at Landmark Archaeology, Inc. and were washed. Artifacts were sorted into appropriate categories (e.g. glass, metal, lithics, debitage, tools, etc.) and subcategories for analysis. The prehistoric chipped stone debitage was sorted by four categories reflecting stages in the lithic reduction sequence (Callahan 1979). The four categories of chert debitage included decortification (DF), early reduction (ER), late reduction (LR) and retouch (RT). Attributes of each of these flake types include the presence of cortex on DF flakes, a pronounced bulb of percussion on ER flakes, a diffuse bulb of percussion on LR flakes, and RF flakes are very small (<1 cm) and have diffuse bulbs of percussion indicating pressure flaking. Sources used for projectile point identification and cultural affiliation and age included Funk (1976), Justice (1987) and Ritchie (1971). Historic artifacts were sorted into appropriate categories (e.g. glass, ceramic, metal, etc.) and subcategories for analysis. Artifacts were tabulated by class, with temporally diagnostic attributes noted whenever possible. The artifact analysis data, including provenience and category frequencies are presented in Appendix C.

Artifacts are temporarily curated at Landmark Archaeology, Inc., 6242 Hawes Road, Altamont, New York. For each archaeological site identified in the project area, a New York State Archaeological Site Inventory Form was completed and submitted to the OPRHP. These site forms are included in Appendix D.

VI. RESULTS OF ARCHAEOLOGICAL INVESTIGATIONS

Phase I investigations entailed the excavation of 1,311 shovel tests (Figure 11) and identified a total of nine archaeological sites, Sites A0830209-217 (Figure 12). Phase II site evaluations were conducted for six sites A08302.000209-212, 215 and 216. Table 5, shown below, provides selected summary information about these sites including site type, landform position, potential impacts, level of investigation, and recommendations regarding NRHP eligibility.

As noted above, 1,311 shovel tests were excavated within the project area during the course of the Phase IB investigations. An additional 402 shovel tests were excavated within site areas, either as supplemental Phase I testing to define sites limits, or during Phase II site evaluations. Sixteen 1x1-meter test units were excavated during Phase II fieldwork. All excavations encountered glacially derived soils throughout the project area. Testing on and adjacent to glacial drumlin features which dominate the project area typically encountered dark brown (10YR 3/3) or brown (10YR 4/3) gravelly silt loam 20 to 30 centimeters in thickness. The B soils usually were brown (10YR 5/3) or yellowish brown (10YR 5/4) gravelly silt loam. The A/B interface was marked by a clear, sharp boundary.

Shallower soils, mapped at Nassau Series (see Figure 5), were encountered in a large part of the eastern portion of the project area where the uplands are bedrock controlled (see Figure 11, Transects 319-333). Nassau soils have a very shaly silt loam A horizon overlying a very shaly loam B soil. These soils are derived mainly from shale and slate. Bedrock was encountered in these tests typically at depths between 35 and 43 centimeters below the surface.

No depositional alluvial soils were encountered within the project area. No evidence of plowing was seen in any of the shovel test or test unit excavations. The parcel setting of highly dissected terrain and shallow rocky soils are not, and were not, conducive to cultivation.

Nine archaeological sites were identified during the Phase IB fieldwork. The following section provides site descriptions detailing the Phase IB effort at each site and the Phase II investigations which were conducted at six of the nine archaeological sites.

Table 5
Carriage Hill Archaeological Site Summary Information

OPRHP# A08302.000	Site Type	Landform	Site Size (meters)	Sq. meters Dug (Site %)	Impacts	Phase II	# STPs	# Test Units	Total # Artifacts	Eligibility Recommendations
209	Prehistoric	Sideslope	12x12 (144 sqm)	3.04 (4.38%)	100%	Yes	47	3	7	Not Eligible
210	Prehistoric	Noseslope	10x12.5 (125 sqm)	5.38 (4.3%)	100%	Yes	47	2	4	Not Eligible
211	Prehistoric	Sideslope	10x12.5 (125 sqm)	2.69 (2.15%)	100%	Yes	19	1	2	Not Eligible
212	Historic	Upland Ravine	15x20 (300sqm)	5.03 (1.68%)	100%	Yes	37	2	18	Not Eligible
213	Historic	Summit	60x65.5 (3936 sqm)	9.45 (.24%)	0	No	127	0	329	Not Evaluated/ Avoidance
214	Mid-20th Century to Modern	Low Terrace	87.5x43 (37,626 sqm)	9.1 (.02%)	50-75%	No	70	0	35 Modern	Not Eligible
215	Prehistoric	Toeslope	25x20 (500 sqm)	7.03 (1.41%)	100%	Yes	39	4	3	Not Eligible
216	Prehistoric	Toeslope	20x15 (250 sqm)	4.6 (1.84%)	100%	Yes	50	4	2	Not Eligible
217	Historic	Shoulderslope	34x37 1,258	N/A	0	No	0	0	0	Not Evaluated/ Avoidance

Site A08302.000209

Site Type: Prehistoric
Component: Unknown
Location: Northern portion, Orchard Village
Approximate Size: 12x12 meters (39x39 ft)
Landform: Upland sideslope
Soil Type: Bernardston gravelly silt loam
Elevation: 470 ft amsl
Vegetation: Mature forest
Subsurface Tests:
Phase IB: 5 stps
Phase II: 42 stps
3 1x1-m Units
Artifacts: 7 flakes
Site Function: Resource procurement station
NRHP Eligibility: Not eligible
Recommendation: No further work warranted

Site Description and Phase IB Collection Results

Site A08302.000209 is a small prehistoric site situated on a moderately to steeply sloping north-facing sideslope facing the Poesten Kill drainage (see Figure 12; Figure 13; Appendix A, Photograph 15). The Poesten Kill flows approximately 300 meters (1000 feet north) and 43 meters (140 feet) downslope from the site. The site was discovered during the 2004 Phase IB fieldwork in a lightly wooded area.

The Phase IB shovel testing recovered four chert flakes in the A horizon. Two flakes were recovered from Transect 205, STP 5. Radial shovel tests were excavated two meters from this positive shovel test in each cardinal direction. One flake was recovered from Transect 205, STP 5B, located two meters east of the original positive test and one flake was found in Transect 205, STP 5D, two meters west. All four flakes were found within 23 centimeters of the ground surface. No additional flakes were found in nearby shovel tests excavated on the primary Phase IB transects.

Shovel testing documented an intact landscape with an A/B glacial till soil sequence. The A horizon typically consisted of dark yellowish brown (10YR 4/3-4/4) gravelly silt loam. The A soil was separated from the B horizon by a clear sharp boundary. The B soils, typically encountered between 19 and 27 centimeters below the ground surface, were a yellowish brown (10YR 5/6) gravelly loam.

Phase II investigations were recommended to refine the horizontal and vertical site boundaries and to evaluate the site in terms of NRHP significance.

Phase II Results

A Phase II site evaluation was conducted at the site in early December, 2004. In total, 42 shovel tests were excavated during the Phase II investigation (see Figure 13). These tests were positioned across the site at 3- and 5-meter intervals. Three 1x1-meter test units also were excavated. The Phase II excavations generated three chert flakes; all recovered in the upper A horizon of a test unit. No features were documented.

Phase II shovel testing consisted of the excavation of 42 tests on five transects. Shovel Tests 1 to 9 on Transect 1 and all shovel tests on Transects 2-5 were positioned on a three-meter interval grid superimposed over the original Phase IB 15-meter transects. Shovel Tests 10 to 14 on Transect 1, which extended onto a narrow upland sideslope, were placed at a five-meter interval. No additional cultural materials or deposits were encountered during the Phase II shovel testing effort.

Three 1x1-meter test units were excavated at the site. Unit 1 was placed adjacent to Transect 205, STP 5, and Units 2 and 3 were placed south and north of Unit 1, respectively. Three flakes were found within the A horizon of Unit 1. No cultural material was recovered from Units 2 and 3.

Soils encountered in all of the test units were similar in color and texture to those recorded in the Phase IB shovel tests. The A horizon, about 20 to 24 centimeters in thickness, consisted of a dark yellowish brown (10YR 4/3-4/4) gravelly silt loam. The A/B interface was marked by a clear sharp boundary. The B soils were a yellowish brown (10YR 5/6) gravelly loam. Figure 14 shows the northern soil profile of Unit 1.

Site Interpretation

Site A08302.000209 is a small prehistoric site of unknown cultural affiliation. It is positioned on a moderately to steeply sloped north facing sideslope. Artifacts recovered from the site originated from an area limited to 12x12 meters (39x39 ft). The entire artifact assemblage consists of seven flakes. No archaeological features were encountered and no fire-cracked rock or formal tools were found at the site. The small artifact assemblage prohibits site interpretation beyond resource procurement station of unknown temporal cultural association. The site's artifacts likely represent a single event related to tool sharpening, possibly related to hunting/skinning activities. The low artifact frequency and lack of features or FCR, suggest a single episode of use at the site.

NRHP Eligibility

Site A08302.000209 does not appear eligible to the NRHP. The site yielded undiagnostic materials and it is limited to a well defined locus. Additional research likely would not yield information beyond what has been collected by the current study. Therefore, it is believed that the data potential of this site has been realized. Based on the Phase IB and II results, any additional excavations at this small site would produce limited information.

Recommendations

Based on the May 2005 plans provided to Landmark Archaeology, Inc., Site A08302.000209 will be impacted by proposed project activities. Assuming OPRHP concurrence that the site is not NRHP eligible, no additional work is recommended for Site A08302.000209.

Site A08302.000210

Site Type: Prehistoric
Component: Late Archaic/Early Woodland
Location: Southeastern portion, Carriage Hill East
Approximate Size: 10x12.5 meters (32.8x41 ft)
Landform: Noseslope
Soil Type: Bernardston gravelly silt loam

Elevation: 465 ft amsl
Vegetation: Grass and dense brush

Subsurface Tests:
Phase IB: 5 stps
Phase II: 42 stps
2 1x1-m test units
Artifacts: 1 broken biface, 3 chert flakes, modern car debris, 1 1964 penny
Site Function: Resource procurement station
NRHP Eligibility: Not eligible
Recommendation: No further work warranted

Site Description and Phase IB Collection Results

Site A08302.000210 (see Figure 12, Figure 15) is a small prehistoric site situated in the southeastern part of the project area (Appendix A, Photograph 16). The site is positioned on the backslope of a gently sloping, well defined noseslope east of the NMPC transmission line and immediately south of a heavily used ATV/truck path. The site sits in an area of tall grass and brush. The site has experienced considerable disturbances in modern times. An ATV path has truncated the northern limits of this site. Additionally, an abandoned road cut that traverses the noseslope in an east/west direction is about five meters (16 ft) south of the site. Finally, based on information provided by a nearby resident, Ms. T. Patton, and examination of a New York Department of Transportation topographic map (see Figure 4), the site sits within an area where a vehicle junkyard once operated in the 1950s and 1960s.

This site was first identified during Phase IB testing in 2004. One flake was recovered from Transect 313, STP 7 in the upper A horizon. Radial shovel tests were excavated one meter north and two meters east, south and west from STP 7. Two flakes were recovered in the upper A horizon from Transect 313, STP 7A, located one meter north of STP 7. The three flakes in STPs 7 and 7A 313 were all found in the upper A horizon between 0 and 23 centimeters below ground surface.

The Phase IB shovel test documented an A/B soil profile comprised of very rocky, glacial till soils. The A horizon soils, usually 23 to 29 centimeters in thickness, consisted of a dark yellowish brown (10YR 3/4) gravelly silt loam. The A/B interface was marked by a clear sharp boundary. The B soils was a yellowish brown (10YR 5/6) gravelly loam. No additional artifacts were found in nearby shovel tests excavated during the Phase IB survey.

Based on the recovery of three chert flakes, Phase II investigations were recommended to refine the horizontal and vertical site boundaries and to evaluate the site in terms of NRHP significance.

Phase II Results

Phase II field efforts were conducted in April, 2005 and they included 42 additional shovel tests and the excavation of two 1x1-meter test units. Placement of additional shovel tests and the single test unit are shown in Figure 15. The Phase II shovel tests were aligned to five transects (1-5), positioned on a five-meter interval grid superimposed over the original 15-meter transects. No prehistoric artifacts or features were encountered during the Phase II shovel testing effort. Rather, 12 shovel tests encountered modern debris associated with the vehicle junk yard (Figure 15).

Two 1x1 meter test units were excavated at the site. Unit 1 was placed adjacent to Transect 13, STP 7. The test unit encountered an approximate 23-centimeter thick gravelly silt loam A horizon overlying a yellowish brown (10YR 5/6) gravelly loam (Figure 16). Five specimens related to modern car debris and a 1964 penny were recovered in the A horizon of Unit 1. The car debris, noted and discarded, included windshield glass, chrome, and plastic.

One broken projectile point was recovered in soils immediately below the A/B transition at a depth of approximately 23 to 33 centimeters below the present ground surface (Appendix A, Photograph 17). The point fragment, broken along the midsection, is comprised of the proximal section of the small biface. A snap fracture is apparent near the midsection. The point has morphological characteristics consistent with Perkiomen Broad type, a Late Archaic/Early Woodland transitional form (Ritchie 1961:42-43, Justice 1987, 169-170). The blade has a flattened cross section and large percussion flake scars appear on both faces. The haft element has a constricted neck with a flared stem and it is made from Normanskill chert. No other artifacts were recovered from this excavation unit.

Unit 2 was positioned approximately two meters (6.5 ft) southeast of Unit 1. Similar to Unit 1, modern car debris was found in the A horizon. The debris included four pieces of plastic, a small piece of chrome, windshield glass, and a piece of aluminum. These modern items were noted and discarded. The B soils were encountered in Unit 2 at 27 centimeters below the ground surface.

Shovel testing and test unit excavations encountered glacial till soils across the tested landscape. The A horizon typically extended to depths of 23 to 29 centimeters below ground surface and consisted of a dark yellowish brown (10YR 3/4) gravelly silt loam. The B soils were a yellowish brown (10YR 5/6) gravelly loam.

Site Interpretation

Site A08302.000210 is a small prehistoric site that, based on the recovery of a single biface fragment that resembles a Perkiomen Broad form, dates to the Late Archaic/Early Woodland transitional period. The site is positioned on the back of well defined noseslope perched above a small unnamed tributary of the Poesten Kill. This small site sits between an active ATV trial and abandoned road; it is within an area that contained a vehicle junk yard in the 1950s and 1960s. The site's deposits have been disturbed, as evidenced by the recovery of modern car debris in the A horizon from the shovel tests and test units. The recovery of a 1964 penny in the A horizon of Unit 1 is consistent with the period the junk yard operated in the parcel.

Forty-seven shovel tests and two 1x1-meter test units yielded four prehistoric artifacts which include three chert flakes and a broken biface. The biface, a proximal portion of a Perkiomen Broad Point, was found in a test unit just below the A/B interface. Three Normanskill chert flakes were found in the upper A horizon of two nearby shovel tests.

Based on the artifact assemblage, the site is interpreted as a resource procurement station. The site's artifacts relate to hunting activates. The site may be the location of a kill and with tool maintenance/repair activities.

NRHP Eligibility

Site A08302.000210 does not appear to be NRHP eligible. The site has limited research potential and no further archaeological investigation of the site is recommended. The site is limited to a small area in a highly disturbed setting. The site's upper A soils have been severely

compromised in modern times by an ATV trail, a road, and activities related to the operation of a junk yard. A large part of the site's A horizon has been disturbed, mixing the horizontal and vertical spatial relationships of artifacts. Artifact frequencies are low when consideration is given to the number of the shovel tests (n=47) and test units (n=2) excavated along the site's landform setting. It is unlikely that additional archaeological investigations would yield data beyond what the current study has gathered.

Recommendations

Based on the May 2005 plans provided to Landmark Archaeology, Inc., Site A08302.000211 will be impacted by proposed project activities. Assuming OPRHP concurrence that the site is not NRHP eligible, no additional work is recommended for Site A08302.000210.

Site A08302.000211

Site Type: Prehistoric
Component: Unknown
Location: Western portion, Carriage Hill Estates
Approximate Size: 10x12.5 meters (32.8x41 ft)
Landform: Upland summit
Soil Type: Bernardston gravelly silt loam
Elevation: 530 ft amsl
Vegetation: Mature forest
Subsurface Tests:
Phase IB: 5 Shovel Tests
Phase II: 14 Shovel Tests
1 1x1m test unit
Artifacts: 1 chert flake, 1 cobble tool
Site Function: Resource procurement station
NRHP Eligibility: Not eligible
Recommendation: No further work

Site Description and Phase IB Collection Results

Site A08302.000211 (see Figure 12, Figure 17), identified in November 2004, is a small prehistoric site situated in the western portion of the project area downslope from the summit of prominent upland hill (Appendix A, Photograph 18). The Troy Country Club property line is approximately 100 meters (300 feet) west of the site. A sparse stand of mature evergreens is found growing around the site. This site was identified when an early-stage reduction flake was recovered from Transect 502, STP 7 in the A soil horizon (Figure 17). Four radial shovel tests were excavated three meters from the positive STP in each cardinal direction. A tabular shaped piece of pink quartzite with a flake scar on one terminal edge was recovered from one of the radial tests (STP 7C). The specimen is approximately 11 centimeters long and weighs 174.7 grams. It was recovered in the A horizon. No additional flakes were found in nearby shovel tests excavated during the Phase IB survey.

Based on the recovery of two lithic items, Phase II investigations were recommended to refine the horizontal and vertical site boundaries and to evaluate the site in terms of NRHP significance.

Phase II Results

Phase II field efforts were conducted in April 2005. The site evaluation was accomplished by excavating 14 shovel tests at five-meter intervals. The five-meter grid was superimposed over and aligned with the Phase IB shovel testing grid and site area. Additionally, one 1x1-meter test unit was excavated. The 1x1-meter test unit was positioned adjacent to the southwest corner of Transect 502, STP 7, Phase II field excavations are illustrated in Figure 17.

No artifacts were recovered in any of the Phase II shovel tests. Testing documented an intact A/B soil profile comprised of rocky glacial till soils. The A soil ranged in thickness from 22 to 24 centimeters and it was comprised of dark brown (10YR 3/3) gravelly silt loam. The B soils, a strong brown 7.5YR 4/6 gravelly loam were found directly below the A-horizon soils. A sharp clear line separates the A/B soils.

No artifacts were recovered in Unit 1. The south wall profile of Unit 1 is depicted in Figure 18. This figure shows the gravelly silt loam A horizon extending about 20 to 25 centimeters below the present ground surface.

Site Interpretation

Site A08302.000211 is a prehistoric site of unknown cultural affiliation. The artifact assemblage consists of a flake and a utilized quartzite fragment. The quartzite tool may have served as an expedient chopping tool. No archaeological features were encountered and no formal tools or fire-cracked rock was found. The site's small artifact assemblage prohibits site interpretation beyond resource procurement station, most likely related to hunting. The flake indicates edge maintenance/sharpening and the quantize specimen may indicate chopping activated related to butchering or woodworking tasks. Based on the low artifact frequency, lack of features and FCR, the site is probably a single use site.

NRHP Eligibility

Site A08302.000211 does not appear eligible to the NRHP. The site yielded only two undiagnostic artifacts. Additional research would not likely yield information beyond what has already been collected and it is believed that the data potential of this site has been realized. Based on the Phase IB and II results, any additional excavations at this small site would produce limited information.

Recommendations

Based on the May 2005 plans provided to Landmark Archaeology, Inc., Site A08302.000211 will be impacted by proposed project activities. Assuming OPRHP concurrence that the site is not NRHP eligible, no further work is recommended.

Site A08302.000212

Site Type: Field Road
Component: Unknown
Location: Western portion, Carriage Hill Estates
Approximate Size: 15x20 meters (49x65.6 ft)
Landform: Upland swale
Soil Type: Pittstown gravelly silt loam, 8 to 15 percent slopes

Elevation: 450 ft amsl
Vegetation: Trees and dense brush
Subsurface Tests:
Phase IB: 10 stps
Phase II: 27 stps
2 1x1m test units
Artifacts: 3 ceramics, 4 glass, 11 metal
Site Function: Field road
NRHP Eligibility: Not eligible
Recommendation: No further work

Site Description and Phase IB Collection Results

Site A08302.000212 (see Figure 12, Figure 19) is linear earthen feature sitting approximately 0.5 meters above poorly-drained soils straddling a low lying area in the western portion of the project area (Appendix A, Photograph 19). This site was first identified as a surficial anomaly during the Phase IB investigations in 2004. An abandoned two-track road/ATV path and collapsed fieldstone wall is located immediately west of the site. Due to extremely dense vegetation, only a small portion of this feature could be seen in the fall of 2004.

Two fragments of clear curved glass were recovered from the upper 20 centimeters in Transect 804, STP 1. This test was positioned near the south central section of the feature. Four radial tests positioned at the four cardinal directions were excavated three meters from the positive test. Historic artifacts were recovered in Level 1 of STP 1A (n=2), and STP 1B (n=3). All of the radial tests documented stratified fill extending to depths of approximately 35 to 45 centimeters below the surface. Five additional tests (Transect 804, STPs 3-7), were positioned at five-meter intervals within or near the feature during the Phase IB survey investigations. No artifacts were recovered in any of these tests.

A review of the available historic maps did not indicate any structures at this site's location. Based on the presence of artifacts and fill sequences, Phase II investigations were recommended to refine the horizontal and vertical site boundaries and to evaluate the site in terms of NRHP significance.

Phase II Results

Phase II investigations were conducted at Site A08302.000212 in late April of 2005. They included 27 additional shovel test excavations and the excavation of two 1x1-meter test units. Vegetation had not yet "leafed out" and surface features of the site were more visible than when the site was discovered in the fall of 2004. With the significantly improved surface visibility, it was apparent that the feature identified in the fall of 2004 was a makeshift road that served to span a 15- to 20-meter (49- to 65.5-ft) wide, swale. At the time of the spring Phase II fieldwork, the swale was dry. The road is constructed of fill that ranges, at it's maximize depth, between 35 and 47 centimeters thick. The eastern boundary of the road fill is distinct. The western edge is more amorphous as are the northern and southern approaches that merge with intact landform surfaces. Excavations were positioned on and adjacent to the suspected road feature to document the roads vertical and horizontal boundary, and also to confirm the presence/absence of other historic features that may have been positioned along the road.

Placement of additional shovel tests and test units is shown in Figure 19. Shovel testing included the excavation of 27 shovel tests on five transects. The shovel tests were configured on a five-

meter grid superimposed over the original 15-meter transects. No artifacts were recovered in the 27 Phase II shovel tests.

Two 1x1 meter test units were excavated at the site. Unit 1 was excavated near the center of the road feature near Transect 804, STP 7 and Unit 2 was excavated approximate eight meters (26 ft) to the northeast. Unit 2 was positioned a few meters outside of the suspected road feature to provide stratigraphic information for comparative data with soils observed in Unit 1.

Unit 1 encountered loose dark fill soils that extended to a depth of approximately 47 centimeters below the present ground surface. The fill sequence was comprised of four distinct (dumping) episodes; it is depicted in Figure 20.

Eleven artifacts were recovered from Unit 1. Levels S1-S4 in the unit were all fill soils. Artifacts recovered in the fill consist primarily of metal objects including barbed wire, wire and machine cut nails, and unidentified rusted metal objects (Table 6). Two fragments of undecorated whiteware also were found in the fill. Also listed in Table 6 are all Phase I and II artifacts recovered from the site, their provenience, description and beginning and end manufacturing dates. In total, 18 artifacts were collected from the site.

Table 6
Site A08302.000212: Phase I and II Artifact Assemblage

Transect	STP/TU	Level/ Strata	Depth (cm.)	Description	Total	BMD	EMD
804	STP 1	L 1	0-23	Clear Curved Glass	2		
804	STP 1A	L 1	0-20	Aqua Curved Glass	2		
804	STP 1B	L 1	0-19	Rusted Metal Object	1		
804	STP 1B	L 1	0-19	Unidentified Nail	1		
804	STP 1B	L 1	0-19	Whiteware, Undecorated	1	1820	Present
	TU 1	S 1	0-10	Unidentified Nail	1		
	TU 1	S 1	0-10	Barbed wire	1		
	TU 1	S 2	10-25	Machine Cut Nail	1	1790	1900
	TU 1	S 2	10-25	Unidentified Nail	1		
	TU 1	S 2	10-25	Whiteware, Undecorated	1	1820	Present
	TU 1	S 2	10-25	Wire Nail	1	1870	Present
	TU 1	S 3	25-40	Machine Cut Nail	1	1790	1900
	TU 1	S 3	25-40	Rusted Metal Object	1		
	TU 1	S 4	40-47	Rusted Metal Object	1		
	TU 1	S 4	40-47	Unidentified Metal	1		
	TU 1	S 4	40-47	Whiteware, Undecorated	1	1820	Present

Unit 2 did not yield any artifacts and the excavation documented a normal A/B soil sequence (Figure 21). The soils are consistent with those observed in shovel tests excavated on the unmodified landform that surrounds the makeshift road. The profile shows a 25-centimeter thick

A horizon comprised of dark yellowish brown (10YR 3/4) gravelly silt loam. The B horizon is a yellowish brown (10YR 5/6) gravelly loam. The A/B interface is marked by a clear sharp boundary.

Site Interpretation

Site A08302.000212 is a short (20 m/65.5 ft) earthen feature that serves as a makeshift road covering a low lying poorly drained area. Some artifacts found in the fill of this feature have beginning manufacturing dates in the ninetieth century. However, the construction date of the road cannot be ascertained by the artifact assemblage since the artifacts exist in fill and their original location is unknown. Thus, the road may have been built during the twentieth century. The road appears to have functioned as a field road that provided access to the interior of the parcel.

NRHP Eligibility

Site A08302.000212 does not appear to posses characteristics that would satisfy eligibility criteria of the NRHP. Artifacts recovered from the fill are in secondary context and their origin is unknown. Therefore, the site has limited research potential.

Recommendations

Based on the May 2005 plans, Site A08302.000211 will be destroyed by proposed project activities. Assuming OPRHP concurrence that the site is not NRHP eligible, no additional work is recommended.

Site A08302.000213

Site Type: Historic
Component: Nineteenth to twentieth century
Location: Northwest portion, Carriage Hill Estates
Approximate Size: 60x65.5 meters (197x215 ft)
Landform: Sideslope
Soil Type: Bernardston gravelly silt loam, 15 to 25 percent slopes
Elevation: 470 ft amsl
Vegetation: Second growth forest/brush
Subsurface Tests:
Phase IB: 27 stps
Extended IB: 100 stps
Artifacts: 147 metal, 94 glass, 34 ceramic, 34 brick, 11 faunal, 9 other
Site Function: Residential
NRHP Eligibility: Not evaluated
Recommendation: Avoidance

Site Description and Phase IB Collection Results

Site A08302.000213 (see Figure 12, Figure 22) is a historic residential site located in the northwest part of the project area. The site lies immediately south of the UDG property line and a modern residence. The parcel's property line forms the northern and western limits of the site. A steep gully sits immediately east of the site and a poorly drained upland swale is located south of the site. This site was identified during the Phase IB investigation in the fall of 2004.

The site is comprised of a partitioned, dry-laid stone cellar foundation (Appendix A, Photograph 20), a cistern, footings, and foundation remnants of two outbuildings (Appendix A, Photographs 21 and 22). Piles of modern debris such as building installation and lumber have been tossed into the foundation and cistern. This site does not appear on any historic map examined for the project including the years, 1854, 1861, 1893, 1928 and 1950 (see Figures 6-10).

The dry-laid foundation sits on the southern edge of a hill summit. The foundation is comprised of three sections that, in total, cover an area of approximately 7.6x18.3 meters (25x60 ft) (Figure 23). The center section, approximately 4.7x7 meters (15.5x23 ft) in size, likely supported the main house structure and it is approximately one meter (3.28 feet) deep. The northern section is built at grade with the existing ground surface and appears to be a porch and entranceway. The southern section, about 4x6 meters (13x20 ft) in size, is constructed about one meter below grade. An entrance in the southwest corner of the southern section indicates that this structural component probably functioned as walk-in root cellar. A five-meter (16.4-feet) long, one-meter (3.28-feet) wide rectangular concrete feature, interpreted as a sidewalk, sits on the east side of the southern foundation section.

A subterranean circular cistern is positioned on the west side of the foundation and it is located about two meters (6.5 feet) from the west foundation wall. The cistern, approximately 2.5 meters (8.2 ft) in diameter, is constructed of concrete and rough rock. The depth of the cistern is not known as it has been filled with modern building debris.

Two outbuilding ruins exist at the site. The first is small rectangular earthen feature (Appendix A, Photograph 21) that sits about 20 meters (65.5 ft) east and downslope of the house foundation on the east side of an ATV/two-track road. The feature is approximately 5x8 meters (16.5x26 ft) in size with its long axis aligned to the ATV trail. The feature is comprised of earthen fill retained by loose cobbles and field rock along its east wall. A small section of a tin roof sits near the foundation and it was probably once part of the structure. Based on the size and location of the ruin, the structure may have served as an open sided garage or shed in the twentieth century.

A second structural ruin lies about 30 meters (100 ft) south of the house foundation. This feature is rectangular depression about 10x16 meters (32.8x52.5 ft) in size. The feature appears to be a collapsed footing or foundation. A concrete footing, approximately 0.6 meters (2 ft) in height, forms the feature's northern wall. The inside of the collapsed foundation is comprised of a jumble of large stones and dark fill soils (Appendix A, Photograph 22).

Initial Phase IB investigations focused on creating a field map of the site and excavating shovel tests within the northern (residential) portion of the site. Fourteen shovel tests positioned at 3-meter intervals were placed along two transects (Transects 1 and 2) on each side of the foundation running parallel to the long axis of the stone cellar (Figure 23). Transect 3 was consisted of five shovel tests at five meter intervals excavated about 15 meters (49 ft) south and down slope of the foundation near the center of the site (see Figure 22). Transect 4, comprised of eight shovel tests spaced at five meter intervals, was positioned within and around the footing/foundation feature located east of the stone cellar foundation, and a two-track/ATV road. A total of 27 shovel tests were excavated at the site along Transects 1-4. Twenty-two of these shovel tests yielded 219 historic artifacts (Appendix C).

At the time of the Phase IB discovery of Site A08302.000213 in the fall of 2004, UDG communicated with Landmark Archaeology, Inc. their intent to avoid the site. Potential impacts to the site include a proposed access road that will be located about 60 meters (197 feet) east of

the site's house foundation along an upland gully and construction within a building lot (Lot #1/Carriage Hill Estates) south of the site.

Extended Phase IB fieldwork was conducted at this site. The additional fieldwork was designed to refine the site boundaries, and thus, establish the site area in relation to the proposed development near the site. The extended Phase IB fieldwork included the excavation of another 100 shovel tests (see Figure 22). These tests were positioned along 16 transects (Tr. 5-20) and spaced at five meters. The tests focused on the southern site area since the north and west site boundaries are defined by the project limits; the eastern site boundary is defined by a steep sideslope of a stream gully. Seven of the 127 shovel tests yielded artifacts, and in total, 110 artifacts were found.

Artifact Analysis

Phase I shovel testing recovered 329 artifacts from the site (Table 7). The assemblage is dominated by metal items (n=147), with nails (n=98) comprising 29.79 percent of the entire assemblage. Glass (n=94) was found in frequencies similar to nail, comprising 28.57 percent of artifacts found. Brick fragments (n=34) and ceramics (n=34) were found in equal numbers with each class comprising 10.33 percent of artifacts recovered. Small amounts of faunal specimens (n=11) also were recovered from the site.

Table 7
Site A08302.000213: Phase I Artifact Frequencies

Class	Count	Percent
Metal (nails)	147 (98)	44.68 (29.79)
Glass	94	28.57
Ceramics	34	10.33
Brick Fragments	34	10.33
Faunal	11	3.34
Other	9	2.74
Total	**329**	**100**

Ceramic type frequencies are presented in Table 8. Over 67 percent of the ceramics found on the site are whiteware (n=23). The second most frequent ceramic type is undecorated redware (n=5), which accounts for 14.71 percent of the ceramic assemblage. There were single sherds of both beige salt glazed stoneware (n=1) and ironstone (n=1) in the assemblage. The miscellaneous category includes modern and unidentified materials: four terra cotta flowerpot fragments, and a single piece of an undecorated porcelain rim.

For the most part, the glass assemblage is comprised of undiagnostic fragments (Table 9). The most numerous type is aqua-tinted flat glass (n=36) comprising 38.3 percent of the glass recovered. Curved aqua glass (n=7) and burned aqua glass (n=10) accounts for 7.45 and 10.64 percent of the assemblage respectively. The second most numerous glass types include clear flat glass (n=27) and clear curved glass which together represent 36.17 percent of the assemblage. Lesser amounts of glass include green curved glass (n=1), brown curved glass (n=2), amethyst curved glass (n=2) and milk glass (n=1).

Table 8
Site A08302.000213: Ceramic Type Frequencies

Ceramic Type	Beginning Man. Date	Count	Percent
Whiteware	1820	23	67.65
Redware, undecorated	1860	5	14.71
Stoneware, beige salt-glazed	1820	1	2.94
Ironstone	1830	1	2.94
Miscellaneous		4	11.76
Total		**34**	**100**

Table 9
Site A08302.000213: Glass Frequencies

Class	Count	Percent
Clear flat glass	27	28.72
Clear curved	7	7.45
Green curved	1	1.06
Brown curved	2	2.13
Aqua curved	7	7.45
Aqua-tinted flat glass	36	38.3
Aqua burned	10	10.64
Milk glass	1	1.06
Amethyst glass	2	2.13
Other	1	1.06
Total	**94**	**100**

Nail frequencies are presented in Table 10. Nearly 46 percent of the nails within the assemblage are machine cut nails (n=45). The remainder of the nails are wire nails (n=23), unidentified square nails (n=15), and unidentified nails (n=15).

Table 10
Site A08302.000213: Nail Frequencies

Class	Count	Percent
Wire nails	23	23.47
Machine cut nails	45	45.92
Unidentified nails	15	15.31
Unidentified square nails	15	15.31
Total	**98**	**100**

The faunal assemblage includes animal bone, a large animal vertebral bone, and several quahog shell fragments.

Site Interpretation

Site A08302.000213 is a historic residential site. It includes three architectural features which have been interpreted as a house foundation, a garage/shed foundation, and a rectangular depression of unknown use. Based on the Phase IB and Extended IB fieldwork, the site area covers a 60x65.5-meter (197x215-ft) area. No structure is shown at this location on the historic maps of the project area dating from the mid nineteenth to the mid twentieth century.

Artifacts recovered from the site are typical of late nineteenth into mid twentieth century house sites. The majority of the ceramics in the assemblage have beginning manufacturing dates of the second quarter of the nineteenth century with many wares produced into modern time. The recovery of machine cut nails suggests a mid nineteenth century date for construction with subsequent additions/modifications sometime later as wire nails were found in many tests at the site.

NRHP Eligibility

Site A08302.000213 may be eligible for inclusion in the NRHP; the NRHP status of the site was not determined by the current study. If the site cannot be avoided by a no-build approach or project redesign, Phase II site evaluations should be conducted at Site A08302.000213 to determine if the site is eligible to the NRHP.

Recommendations

Based on information relayed to Landmark Archaeology, Inc., UDG will avoid and preserve this site. It is recommended that a temporary fence be installed 15 to 23 meters (50 to 75 ft) out from the Phase IB defined site area to protect the site from encroachment from heavy machinery. As noted, if avoidance is not possible, Phase II investigations of the site are recommended. Phase II investigations should include archival research to establish ownership history and fieldwork consisting of shovel and test unit excavations.

Site A08302.000214

Site Type: Mid-twentieth century outbuildings complex
Component: Unknown
Location: Southeastern portion, Carriage Hill Landing East
Approximate Size: 87.5x43 meters (287x141 ft)
Landform: Low terrace
Soil Type: Scriba silt loam, 3 to 8 percent slopes
Elevation: 440 ft amsl
Vegetation: Weeds
Subsurface Tests: 70 stps
Artifacts: Modern debris observed in field; not collected
Site Function: Storage
NRHP Eligibility: Not eligible
Recommendation: No additional work warranted

Site Description and Phase IB Collection Results

Site A08302.000214 (see Figure 12, Figure 24) is a mid-twentieth century outbuilding complex comprised of four collapsed outbuildings in varying stages of ruins/collapse and the remnants of

two cement footings (Appendix A, Photographs 23 and 24). The site is located on the north side of a small unnamed drainage in the southern part of the project area approximately 91 meters (300 ft) north of Pinewoods Avenue. This site was identified during the Phase IB investigation. According to Ms. T. Patton who lives near the property on Pinewoods Avenue, the buildings were in use about 25 to 30 years ago and served as storage buildings by a local farmer. No house is associated with the site and no historic structures are associated with this location on any of the historic maps examined for this study. Modern debris dating from the last 10 to 30 years is dispersed in several areas around the site's surface.

Seventy shovel tests were excavated at the site. These tests were positioned along seven east/west aligned transects which were spaced five meters apart. The shovel tests along transects were positioned at a 7.5-meter interval (Figure 24). No artifacts over 50 years old were found in the shovel tests. Ten shovel tests yielded modern debris in the upper soils extending to a maximum depth of 25 centimeters below ground surface. The debris included windshield glass, plastic, rubber, galvanized wire nails, and cinders (Appendix C).

Shovel testing documented an A soil horizon comprised of a very dark grayish brown (10YR 3/2) gravelly silt loam approximately 20 to 25 centimeters in thickness. The underlying B soils were a brown (10YR 5/3) gravelly loam. The A/B interface was marked by a clear sharp boundary.

Site Interpretation

Site A08302.000214 is a mid-twentieth century outbuilding complex in a poor state of preservation. Based on a local informant, the buildings functioned as equipment storage for a farmer. There is no residential component to the site.

NRHP Eligibility

Based on the modernity of the buildings and artifacts, this site is recommended as not eligible to the NRHP.

Recommendation

Based on the May, 2005 plans, Site A08302.000214 will be partially destroyed by proposed project activities. Assuming OPRHP concurrence that the site is not NRHP eligible, no additional work is recommended.

Site A08302.000215

Site Type: Prehistoric
Component: Unknown
Location: Northeastern portion, Carriage Hill Landing East
Approximate Size: 25x20 meters (82x65.5 ft)
Landform: Toeslope
Soil Type: Bernardston-Nassau complex, rolling
Elevation: 435 ft amsl
Vegetation: Second growth forest
Subsurface Tests:
Phase IB: 5 Shovel Tests
Phase II: 34 Shovel Tests
4 1x1m test unit

Artifacts: 3 chert flakes
Site Function: Resource procurement station
NRHP Eligibility: Not eligible
Recommendation: No further work

Site Description and Phase IB Collection Results

Site A08302.000215 (see Figure 12, Figure 25) is a small prehistoric site situated in the northeastern portion of the project area on an upland toeslope (Appendix A, Photograph 25). The site was identified in the spring of 2005 with the recovery of a single chert flake in Transect 602, STP 6 from Level 1. Radial shovel tests were excavated three meters in cardinal directions from STP 6. A single flake was found STP 6D, three meters west of STP 6. No additional artifacts were found in nearby shovel tests excavated during the Phase IB survey.

The two flakes recovered from the site were found in an intact A horizon. The A soils extended to depths between 23 and 30 centimeters below ground surface. The A horizon typically consisted of dark brown (10YR 3/3) to dark yellowish brown (10YR 3/4) gravelly silt loam. B-horizon soils comprised of dark yellowish brown (10YR 5/6) gravelly silt loam were encountered directly below the A horizon.

Phase II investigations were recommended to refine the horizontal and vertical site boundaries and to evaluate the site in terms of NRHP significance.

Phase II Results

A Phase II site evaluation was conducted in early May, 2005. The Phase II excavations included the excavation of 34 shovel tests and four 1x1-meter test units (see Figure 25). The Phase II grid was superimposed over the Phase IB shovel test transects. Shovel tests were spaced at five-meter intervals across the toeslope. Unit 1 was positioned immediately southeast of the positive shovel test, STP 6. Unit 2 was positioned five meters (16 ft) south of Transect 602, STP 6. Units 3 and 4 were located north of Transect 602, STP 6, on the central and northern edges of the toeslope.

No additional artifacts were recovered in any of the 34 Phase II shovel tests at Site A08302.000215. The shovel tests documented an intact A/B soil sequence comprised of gravelly silt loam across the site area.

Unit 1 yielded one flake in Level 2, just below the A/B interface, at an approximate depth of 30 to 35 centimeters below ground surface. The south wall profile of Unit 1 is depicted in Figure 26. The profile shows a 25-centimeter thick gravelly silt loam A soil horizon. The A horizon in Unit 1consisted of dark brown (10YR 3/3) gravelly silt loam overlying a B soil horizon comprised of dark yellowish brown (10YR 5/6) gravelly silt loam. The A/B interface is marked by a clear sharp boundary. Units 2 through 4, excavated north and south of Unit 1, exhibited similar profiles and glacially derived soil. No artifacts were found in these other units.

Site Interpretation

Site A08302.000215 is a prehistoric site of unknown cultural affiliation. The site yielded three chert flakes in a relatively small area (25x20 m/82x65.5 ft). The site is interpreted as resource procurement station. The recovery of a small number of flakes indicates tool maintenance, perhaps related to hunting activities. The small number of artifacts and the lack of features or FCR, suggest a single episode of use for the site.

NRHP Eligibility

Despite the excavation of 39 shovel tests and four test units, only three flakes were found at the site. Given this small artifact inventory, the site has limited research potential, and thus, Site A08302.000215 does not appear to be eligible to the NRHP.

Recommendation

Site A08302.000215 is within the area of potential affect and could be destroyed by project activities. Assuming OPRHP concurrence that the site is not NRHP eligible, no additional work is recommended.

Site A08302.000216

Site Type: Prehistoric
Component: Unknown
Location: Northeastern portion, Carriage Hill Landing East
Approximate Size: 20x15 meters (65.5x49 ft)
Landform: Toeslope
Soil Type: Bernardston-Nassau complex, rolling
Elevation: 435 ft amsl
Vegetation: Second growth forest
Subsurface Tests:
Phase IB: 5 Shovel Tests
Phase II: 45 Shovel Tests
4 1x1m test unit
Artifacts: 2 chert flakes
Site Function: Resource procurement station
NRHP Eligibility: Not eligible
Recommendation: No further work

Site Description and Phase IB Collection Results

Site A08302.000216 (see Figure 12, Figure 27) is a small prehistoric site situated in the northeastern portion of the project area (Appendix A, Photograph 26). The site was identified in the spring of 2005. The site sits along the southern margins of the same toeslope that Site A08302.000215 occupies. A shallow poorly drained swale separates the two sites and a small wetland with standing water is situated about 25 meters (82 ft) south of the site.

The site was identified by the recovery of a single flake from the A horizon in Transect 601, STP 2. Radial shovel tests were excavated at a three meters distance in cardinal directions from STP 2. A chert flake was found STP 2B, three meters east of STP 2. No additional artifacts were found in nearby shovel tests excavated during the Phase IB survey.

The two flakes recovered from the site originated from an intact A horizon which extended in depth from 21 to 34 centimeters below ground surface. The A horizon typically consisted of dark brown (10YR 3/3) to dark yellowish brown (10YR 3/4) gravelly silt loam. The underlying B horizon included dark yellowish brown (10YR 5/6) gravelly silt loam.

Phase II investigations were recommended to refine the horizontal and vertical site boundaries and to evaluate the site in terms of NRHP significance.

Phase II Results

A Phase II site evaluation was conducted in early May, 2005. The Phase II excavations included the excavation of an additional 45 shovel tests and four 1x1-meter test units (see Figure 27). The Phase II grid was superimposed over the Phase IB shovel test transects. Shovel tests were excavated at five-meter intervals across the toeslope. Unit 1 was positioned immediately southeast of the positive shovel test, Transect 601, STP 2. Units 2 and 3 were placed north of Transect 601, STP 2 and Unit 4 was positioned about 20 meters southwest of Transect 601, STP 2.

No artifacts were recovered from the Phase II shovel tests or from the 1x1-meter test units. Excavations documented intact gravelly soils across the toeslope. Figure 28, which depicts the south wall of Unit 1, shows an approximate 23-centimeter thick A horizon overlying the B horizon. The A soils are dark yellowish brown (10YR 3/4) gravelly silt loam. The A/B interface is clear and sharp. The B soils also are gravelly silt loam. Soil color of the B soils was consistently yellowish brown (10YR 5/6).

Site Interpretation

Site A08302.000216 is a small prehistoric site of unknown cultural affiliation. Two artifacts were found at the site in the A soil horizon. The recovered artifact assemblage, limited to chert debitage, indicates the site functioned as a resource procurement station related to hunting.

Based on the site's small size and limited artifact inventory, the research potential of this site has been realized at the Phase I and II level of investigations. Additional work at the site would likely yield limited information.

NRHP Eligibility

Similar to Site A08302.000215, Site A08302.000216 is a small site with few artifacts. In total, 50 shovel tests and four test units were excavated and only two artifacts were found at the site. Given this small artifact inventory, the site has limited research potential, and thus, Site A08302.000216 does not appear to be eligible to the NRHP.

Recommendations

Site A08302.000216 is within the area of potential affect and could be destroyed by project activates. Assuming OPRHP concurrence that the site is not NRHP eligible, no additional work is recommended.

Site A08302.000217

Site Type: Historic foundation
Component: Mid to late-nineteenth century
Location: Southwest corner
Approximate Size: 34x37 meters (111.5x121.4 ft)
Landform: Upland summit
Soil Type: Scriba silt loam, 3 to 8 percent slopes
Elevation: 450 ft amsl
Vegetation: Second growth forest
Subsurface Tests: none
Artifacts: none

Site Function: Industrial/commercial
NRHP Eligibility: Not evaluated
Recommendation: Avoidance

Site Description and Phase IB Collection Results

Site A08302.000217 (see Figure 12, Figure 29) is a small historic site located approximately ten meters (32.8 ft) north of Pinewoods Avenue in the southern portion of the project area (Appendix A, Photograph 27). The site was identified in the May of 2005 while walking a potential sewer corridor route. The corridor route was subsequently shifted east to avoid the site (see Figure 29).

The site consists of a foundation situated on the backslope of a steep incline (>15 percent) at the base of which runs an unnamed tributary of the Poesten Kill. The foundation includes several rectangular, dry-laid stone footings, the largest of which measures approximately 10x15 meters (33x50 ft) (Figure 30). Three smaller stone footings, measuring approximately 5x2.5 meters (16.5x8 ft) each, lay adjacent and to the west. A small cellar hole, measuring approximately 3x5 meters (10x16.5 ft), exists in the northeast corner of the largest footing.

No subsurface testing was conducted at this site since it is outside of the APE. However, debris and artifacts on the ground surface are apparent and include unmarked articulated bricks, concrete fragments, embossed vessel glass, and whiteware ceramics. Metal artifacts include riveted iron boiler fragments, iron wagon-wheel rims, and other heavy gauge iron implements. No artifacts were collected from the site.

Based on artifacts visible on the ground surface as well as landform considerations, site limits were established for Site A08302.000217 (see Figure 29). As a caveat, no subsurface testing was conducted at this site and the limits should be considered provisional and subject to revision. Based on these tentative limits, the site is thought to be about 34x37 meters (111.5x121.4 feet) in size.

No subsurface testing was conducted at this site. Testing along Transect 1000 within the proposed sewer corridor route located approximately 30 meters (100 ft) east of the foundation (see Figure 11 and 29) did not encounter any artifacts.

Site Interpretation

The historic background of Site A08302.000217 is yet undetermined, and the site does not appear on known historic maps. However, structural features at the site and observed surface artifactual remains, offer several possible clues as to past use and activity at the site. The size, number, and close arrangement of the structural footings and cellar-hole observed at the site suggest an industrial or commercial usage, rather than domestic or agricultural. The industrial or commercial use of this site is further supported artifacts such as riveted iron boiler parts and heavy gauge iron implements which were noted on the site's surface. Based on artifacts observed at the site such as whiteware ceramics (1820-present), embossed vessel glass, and boiler components, the site appears to date to the mid to late nineteenth century.

NRHP Eligibility

Site A08302.000217 has not been evaluated for NRHP eligibility since it lies outside of the APE as defined by UDG in November 2004 and May 2005. If project plans change and the site cannot be avoided, a Phase II site evaluation is recommended to determine if the site is eligible to the NRHP.

Recommendations

Based on information relayed to Landmark Archaeology, Inc., UDG will avoid and preserve Site A08302.000217. It is recommended that a temporary fence be installed 15 to 23 meters (50 to 75 ft) out from the Phase IB defined site area to protect the site from encroachment from heavy machinery. As noted, if avoidance is not possible, Phase II investigations of the site are recommended. Phase II investigations should include archival research to establish ownership history and fieldwork consisting of shovel and test unit excavations.

VII. SUMMARY AND RECOMMENDATIONS

The proposed Carriage Hills Estates Residential Subdivision (OPRHP# 04PR02662) is located in the town of Brunswick, Rensselaer County, New York. The project consists of a residential housing development within a 217-acre parcel near Troy, New York. The area of potential effect includes 185 acres within the parcel. A Phase IA/IB archaeological survey was conducted within the 185-acre survey area in the fall of 2004 and spring 2005. Nine archaeological sites were identified, Sites A08302.000209-217. Phase II site evaluations were conducted on one site (A08302.000209) in the fall of 2004 and on five sites (A08302.000210, A08302.000211, A08302.000212, A08302.000215 and A08302.000216) in the spring 2005. The investigations were conducted by Landmark Archaeology, Inc., who was retained as a consulted by the United Development Group, of Troy, New York.

Based on landform characteristics, known settlement patterns of prehistoric and historic people who settled the upper Hudson Valley, and land use patterns, the archaeological potential of the project area was considered to be highly variable, ranging from low to high. The parcel occupies highly dissected glacial (drumlin) features. Soils are thin and rocky, mostly comprised of gravelly silt. There are no significant depositional environments within the parcel that would create buried alluvial Holocene-age sediments. Rather, much of the parcel encompasses erosional surfaces consisting of moderately to severely steep rocky hillslopes that exceed 12 percent grades.

Areas within the parcel considered to have moderate to high potential were hill summits and backslopes, footslopes and toeslopes, and less steep settings adjacent to wetlands. The northern part of the survey area which comprised the locations closest to the Poesten Kill, were thought to have more potential for the presence of prehistoric site than the southern section.

No previously recorded archaeological sites are plotted within or near the survey area, based on a review of site files at OPRHP. The closest site, NYSM 8357 is located about one-half mile west of the project area. No information is available for this site.

Historic maps dating from 1854 to 1950 were reviewed for the project area. These maps show no structures within the APE but several structures are illustrated adjacent to the parcel and one structure is shown within the project boundaries. Potential for historic resources was considered high given the close proximity of these structures to the APE.

The Phase IB fieldwork excavated 1,311 shovel tests in the parcel. A total of nine sites were identified, Sites A08302.000209-217. The sites included five small prehistoric sites in upland settings, and four historic sites (A08302.000212, A08302.000213, A08302.000214 and A08302.000217. Phase II site evaluations were conducted for six sites (A08302.000209-212, 215, 216), which include all five prehistoric sites and one historic site (Site A08302.000212). Site A08302.000217 was not subjected to Phase IB shovel testing since it lies outside of the APE.

All five of the prehistoric sites are located on upland settings in shallow rocky soils. None of the sites yielded more than seven artifacts when combining the Phase I and II work efforts. Only one diagnostic tool was found on the sites; Site A08302.000210 yielded a broken Perkiomen Broad biface which provides a Late Archaic/Early Woodland transitional period date for the site. All five sites have been interpreted as resource procurement stations likely representing a single use episode. None of the five prehistoric sites, (A08302.000209, 210, 211, 215 and 216) appear to be eligible to the NRHP. Given the number of tests excavated during the Phase I and II investigation at each site and the low artifact counts yielded from these excavations, research

potential of the prehistoric sites has been realized at the Phase II level. Assuming OPRHP concurrence that these five sites are not NRHP eligible, no additional work is recommended for the sites.

Phase II investigations at Site A08302.000212 determined the site is a short (20 meters/65 feet) earthen feature that serves as a makeshift road traversing an upland swale. The construction date of the road cannot be ascertained by the artifact assemblage since the artifacts found at the site exist in fill and their original location is unknown. The road appears to have functioned as a field road that provided access to the interior of the parcel. Site A08302.000212 does not appear to posses characteristics that would satisfy eligibility criteria of the NRHP. No further archaeological investigations are recommended for this site.

The remaining three sites, A08302.000213, 214, and 217, are historic sites. Site A08302.000214 is a mid-twentieth century outbuilding complex in a poor state of preservation. There is no residential component to the site. Shovel testing yielded only modern materials. Based on its modern character, Site A08302.000214, does not appear to be eligible to the NRHP. Assuming OPRHP concurrence that the site is not NRHP eligible, no additional work is recommended.

Sites A08302.000213 and A08302.000217 will not be impacted by project development according to UDG. The NRHP eligibility status of these sites was not determined by the current study. Therefore, if site avoidance is not possible for these two sites, Phase II archival and archaeological investigations are recommended.

Upon OPRHP concurrence, the APE does not encompass any significant cultural resources and project clearance from an archaeological perspective is recommended. However, if the APE changes so that development or grading will impact areas not investigated during this study, OPRHP must be contacted in order to assess the need for archaeological work in the new areas of development. It should be noted that no field technique is completely adequate to define all cultural resources in a particular location. Therefore, should historic or prehistoric resources be detected during the course of the development, the OPRHP must be notified immediately so that the significance of the discovery can be determined.

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1893 *Troy, NY.* 15′ Series Quadrangle.
1928 *Troy, NY.* 15′ Series Quadrangle.
1950 *Troy, NY.* 15′ Series Quadrangle.

Figures

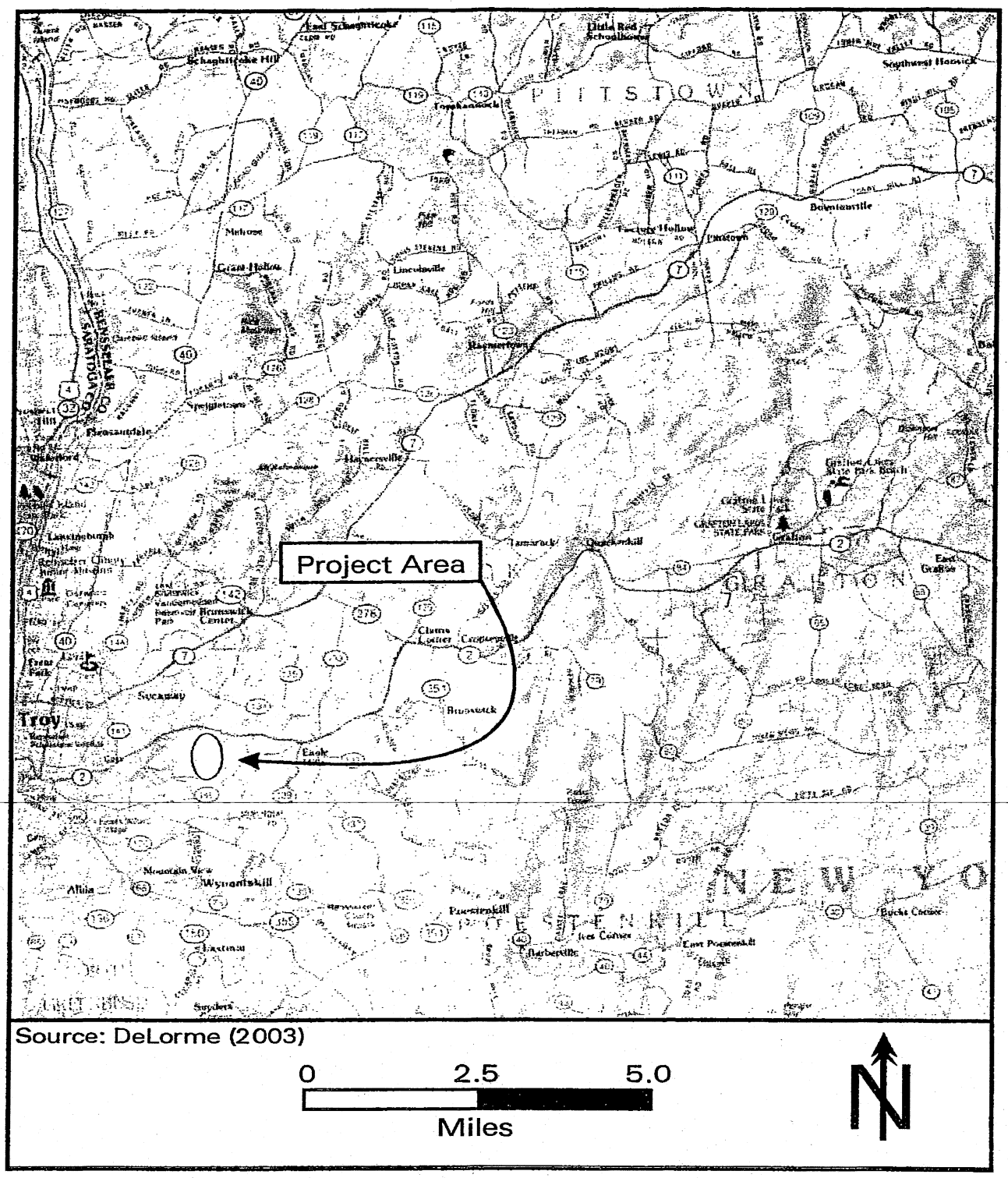


Figure 1: Project Area Location

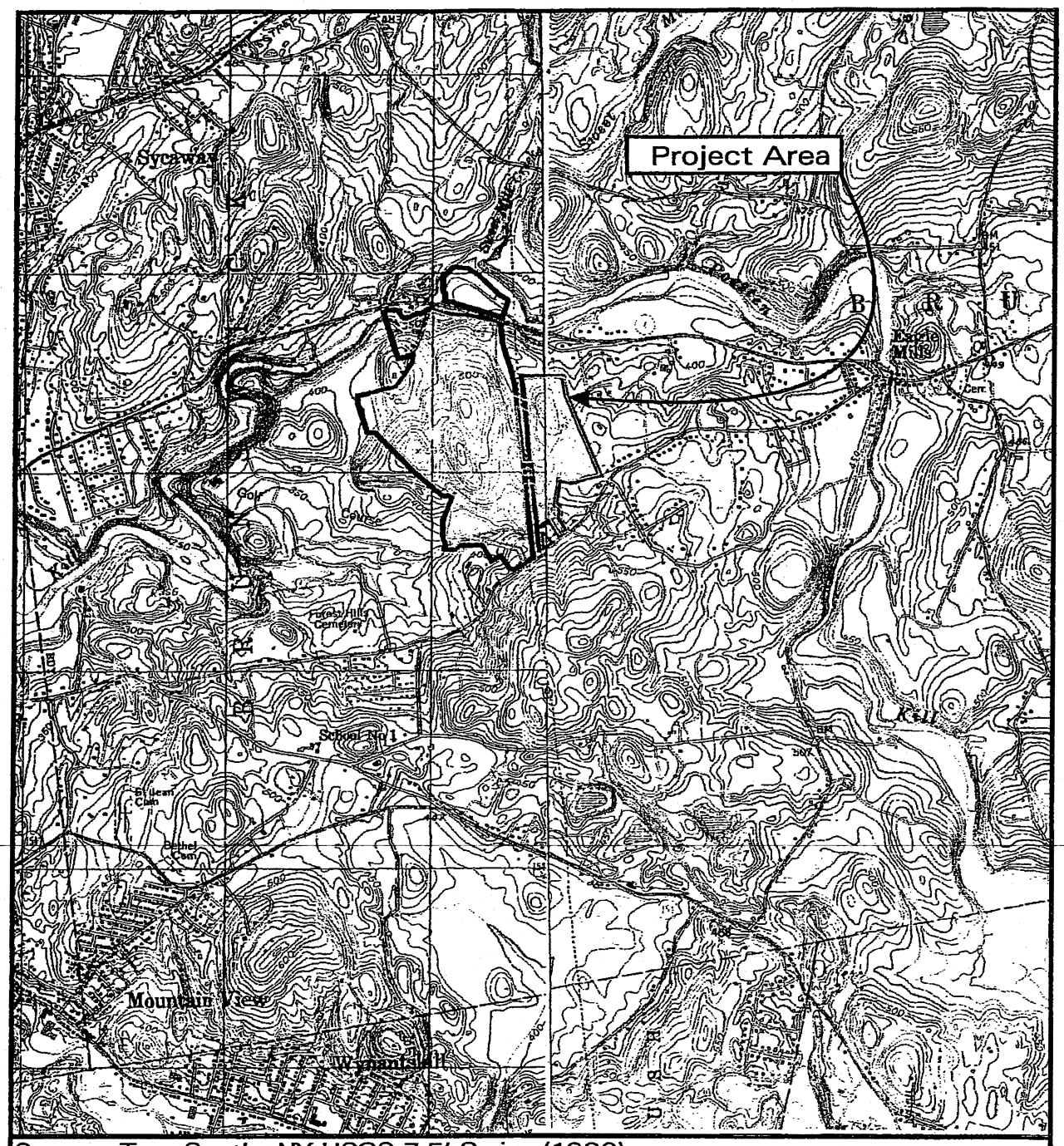


Figure 2: Project Area and Topographic Details

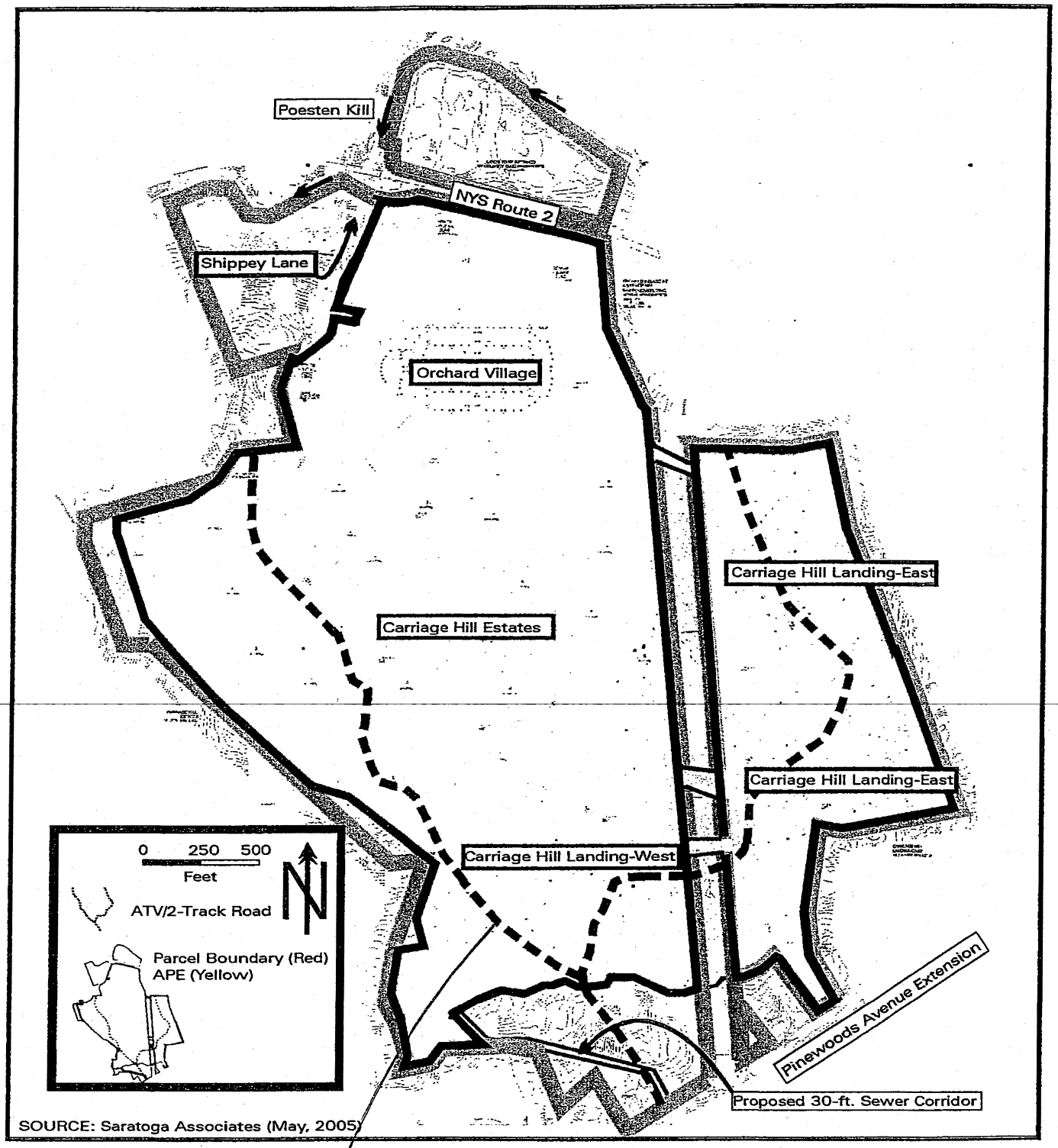


Figure 3: Area of Potential Effect and Project Details

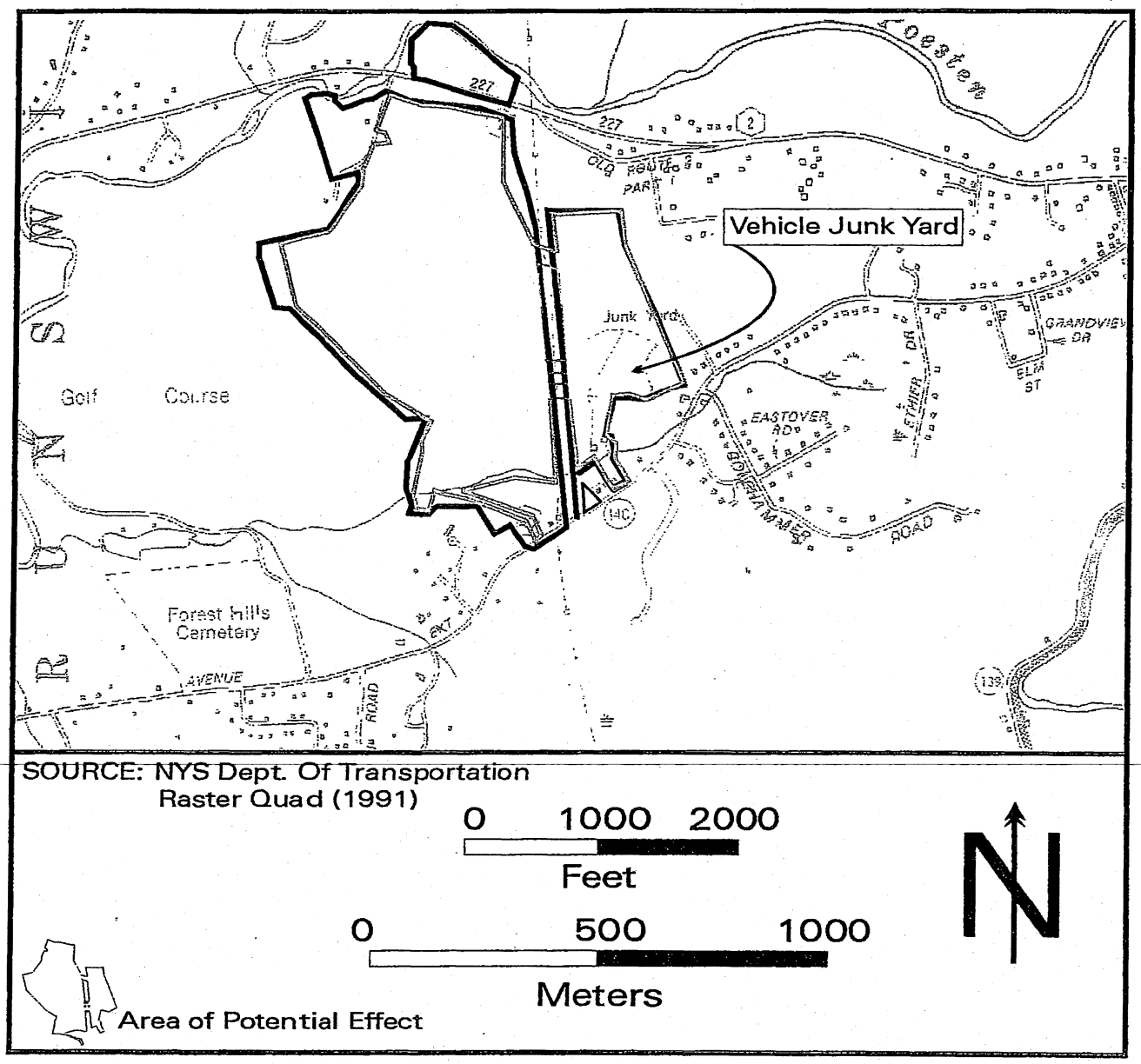


Figure 4: 1991 NYS DOT Map Depicting Junk Yard

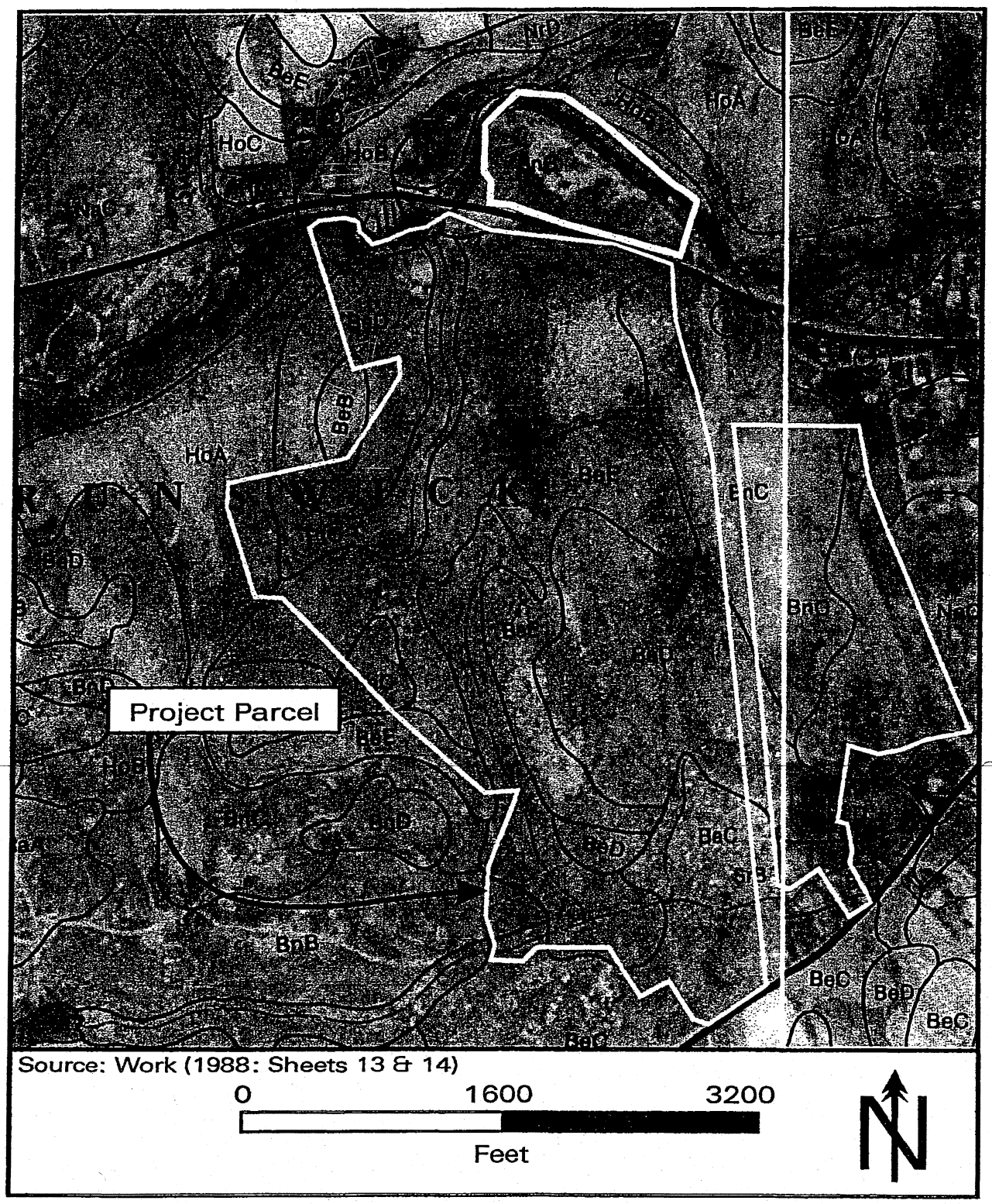


Figure 5: Mapped Soils

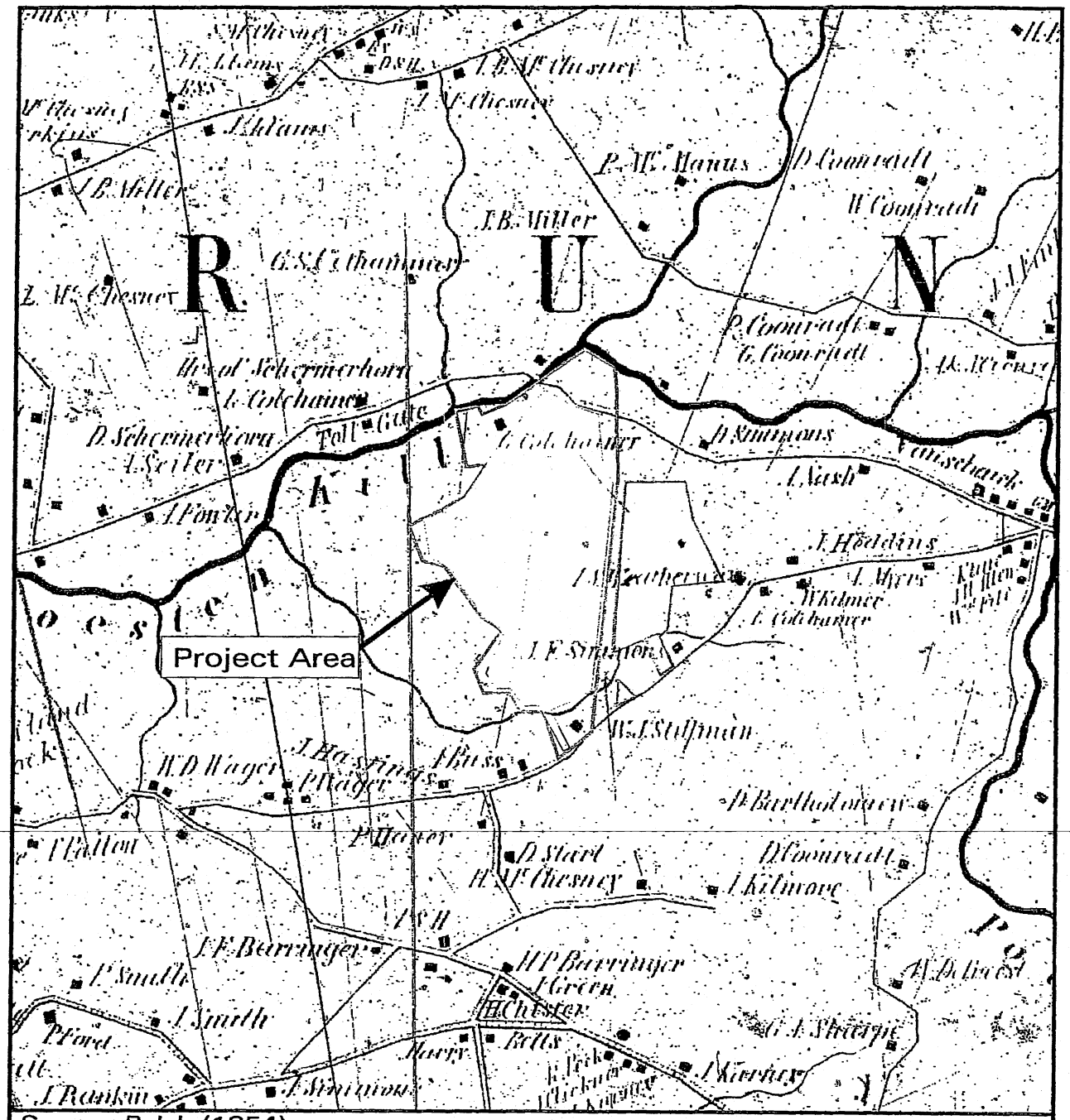


Figure 6: Project Area, 1854

Source: Gallop and Company (1861)

0 0.5 1.0

Miles

Area of Potential Effect

N

Figure 7: Project Area, 1861

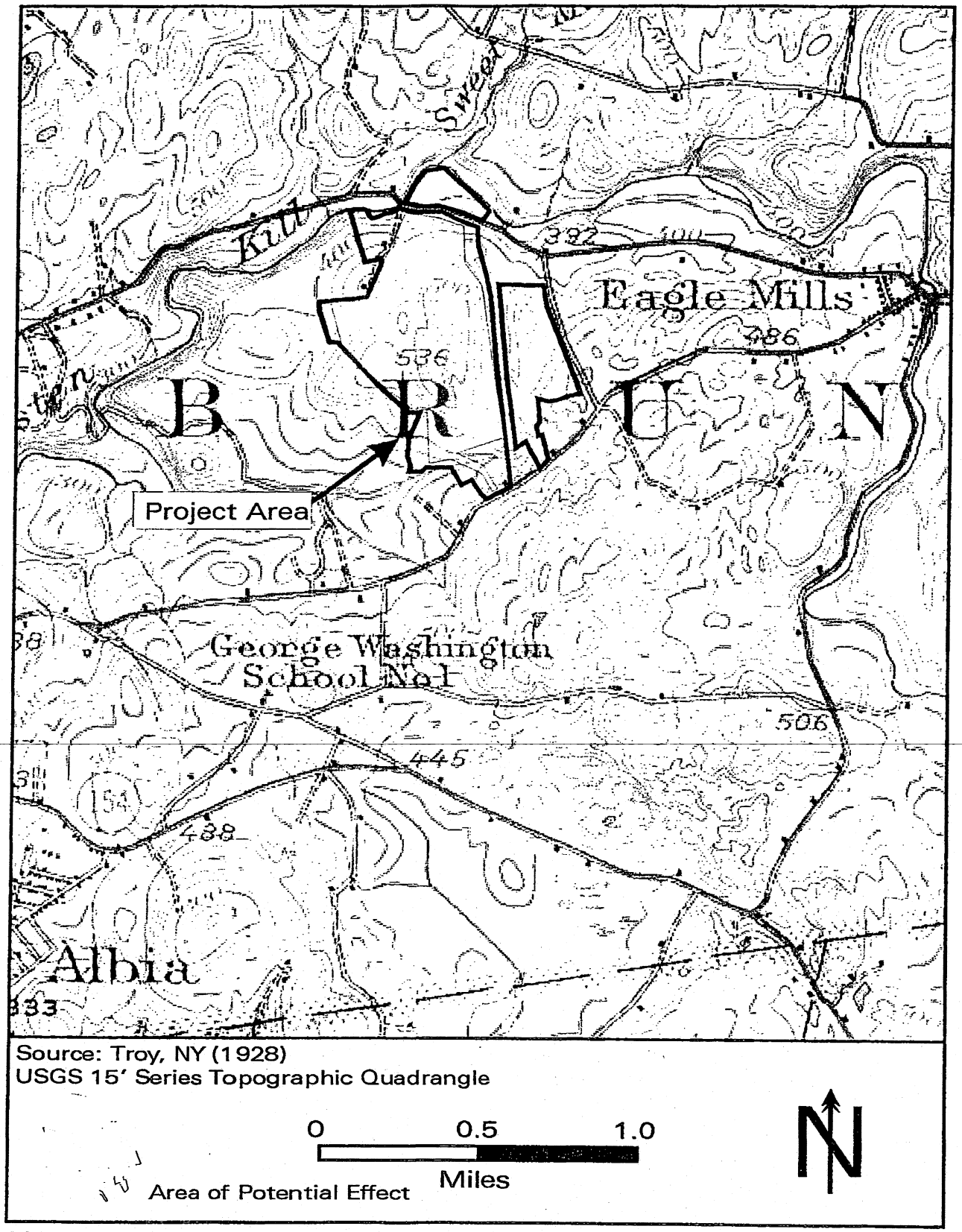
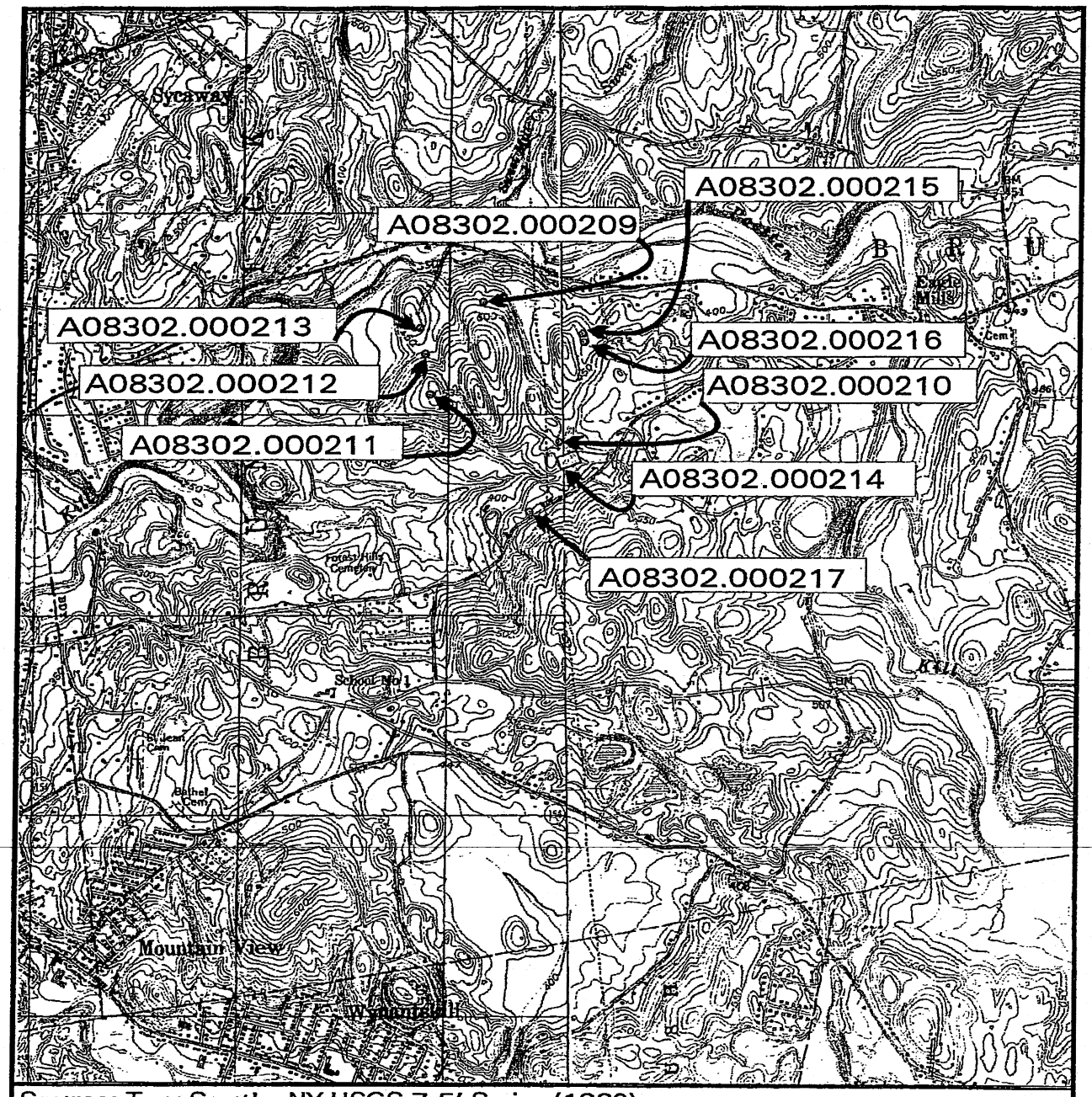


Figure 9: Project Area, 1928



Source: Troy South, NY USGS 7.5' Series (1980)
Averill Park, NY USGS 7.5' Series (1980)

0 0.5 1.0
Miles

N

Figure 12: Location of Carriage Hill Archaeological Sites

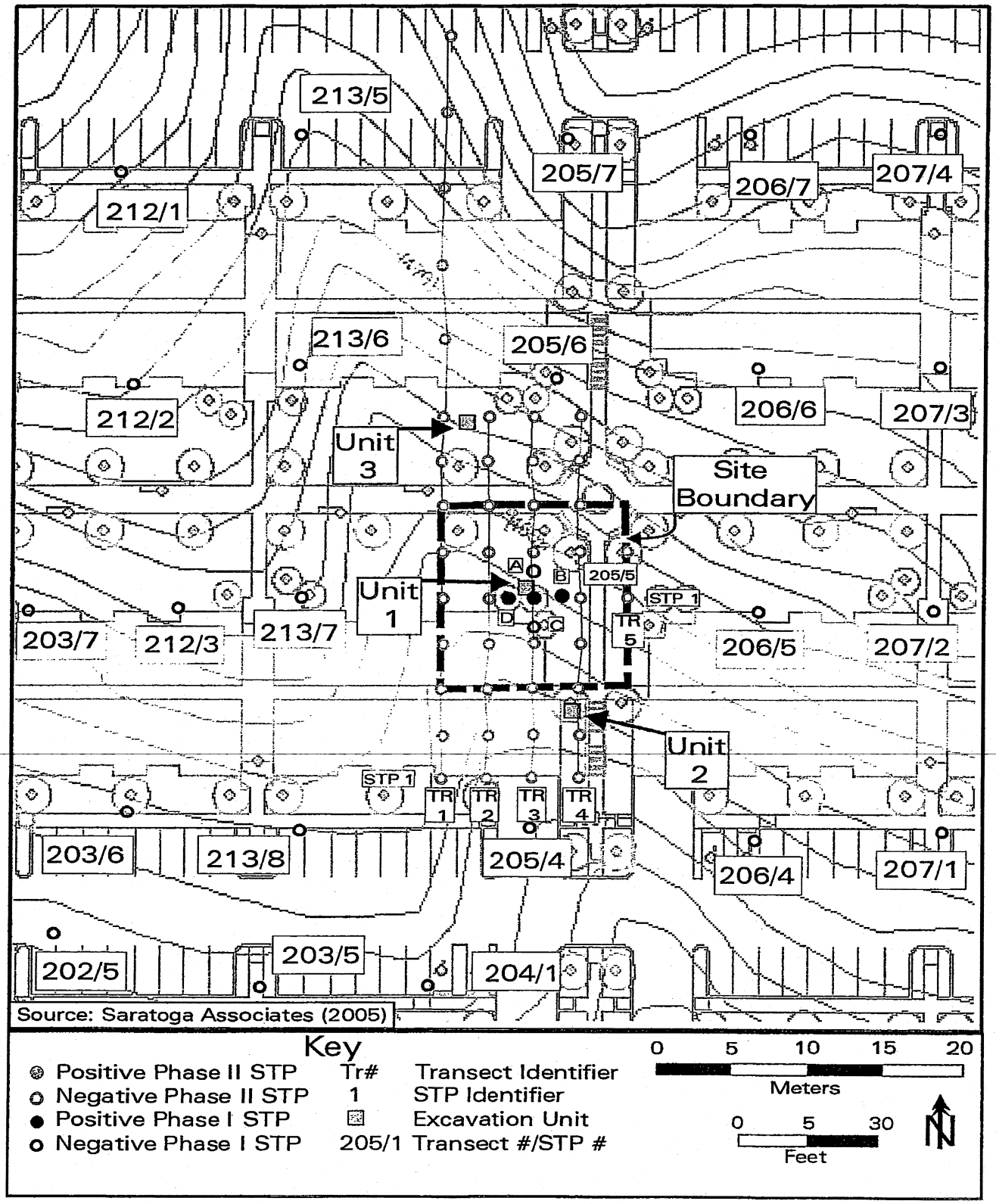


Figure 13: Site A08302.000209, Field Map

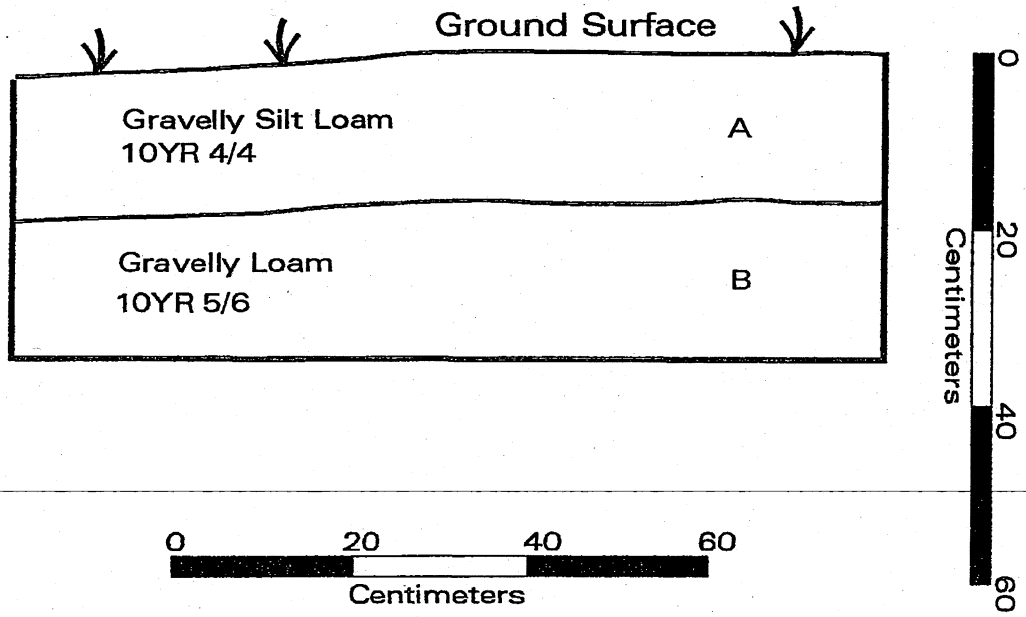


Figure 14: Site A08302.000209, Unit 1 Soil Profile

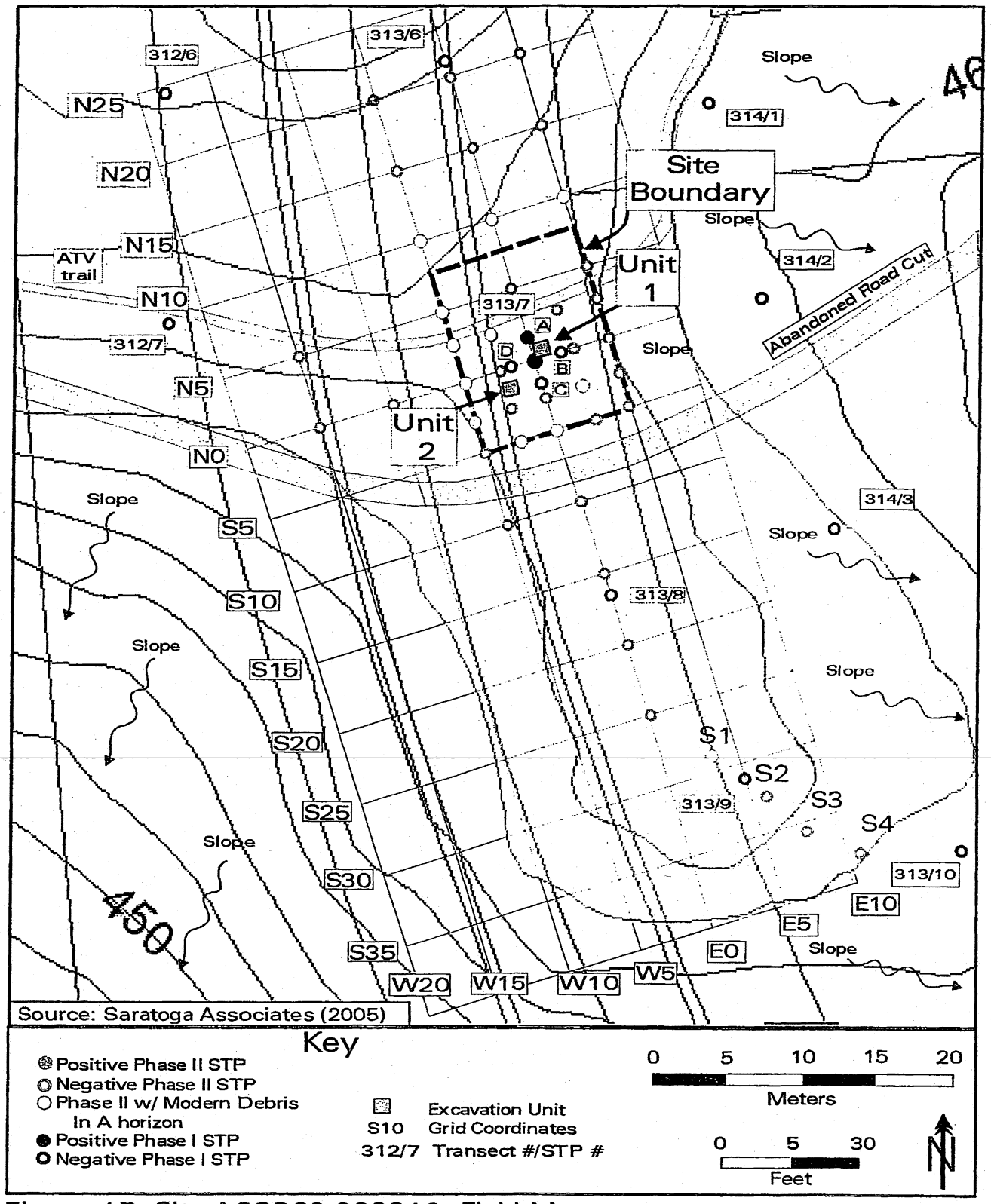


Figure 15: Site A08302.000210, Field Map

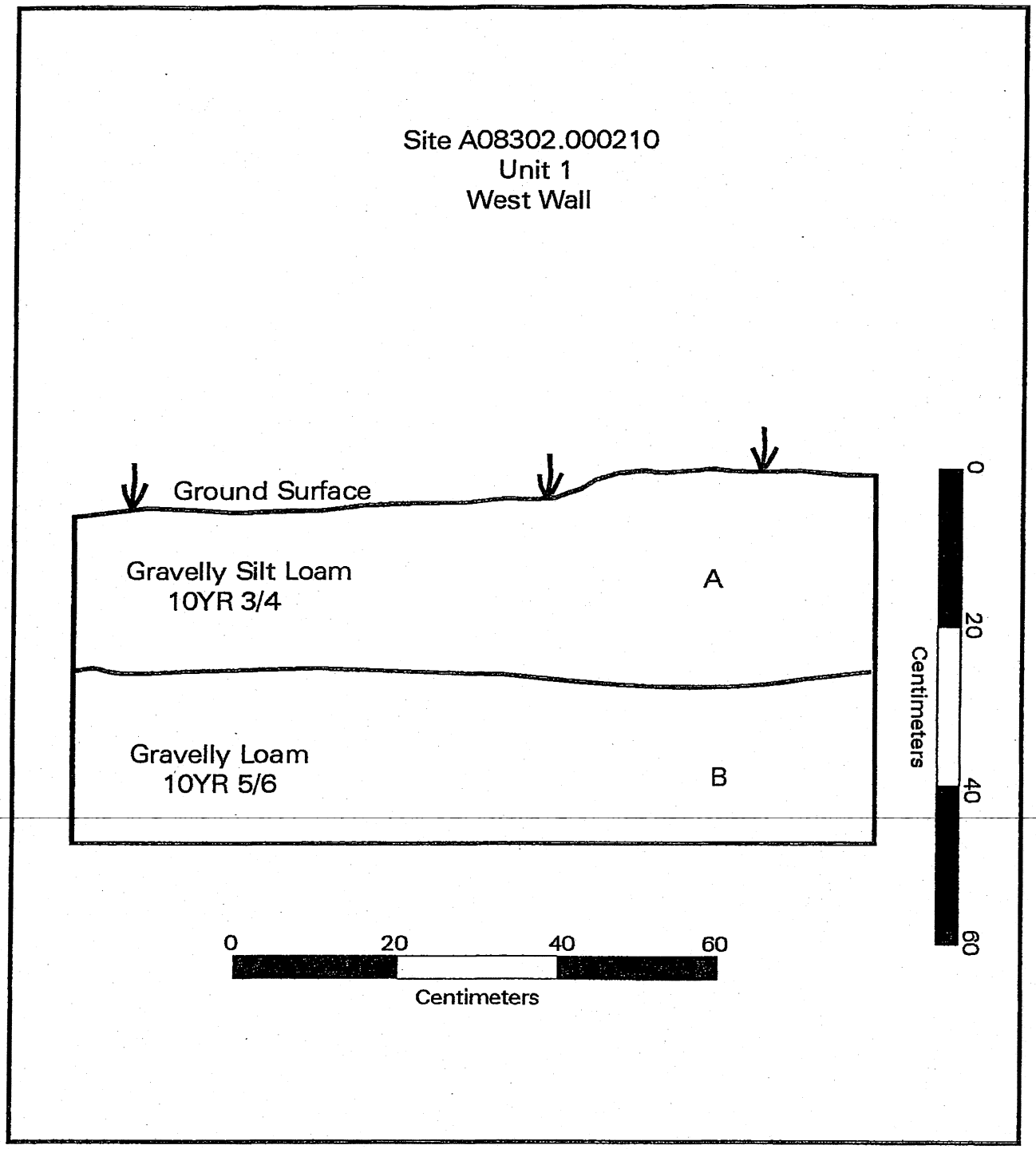


Figure 16: Site A08302.000210, Unit 1 Soil Profile

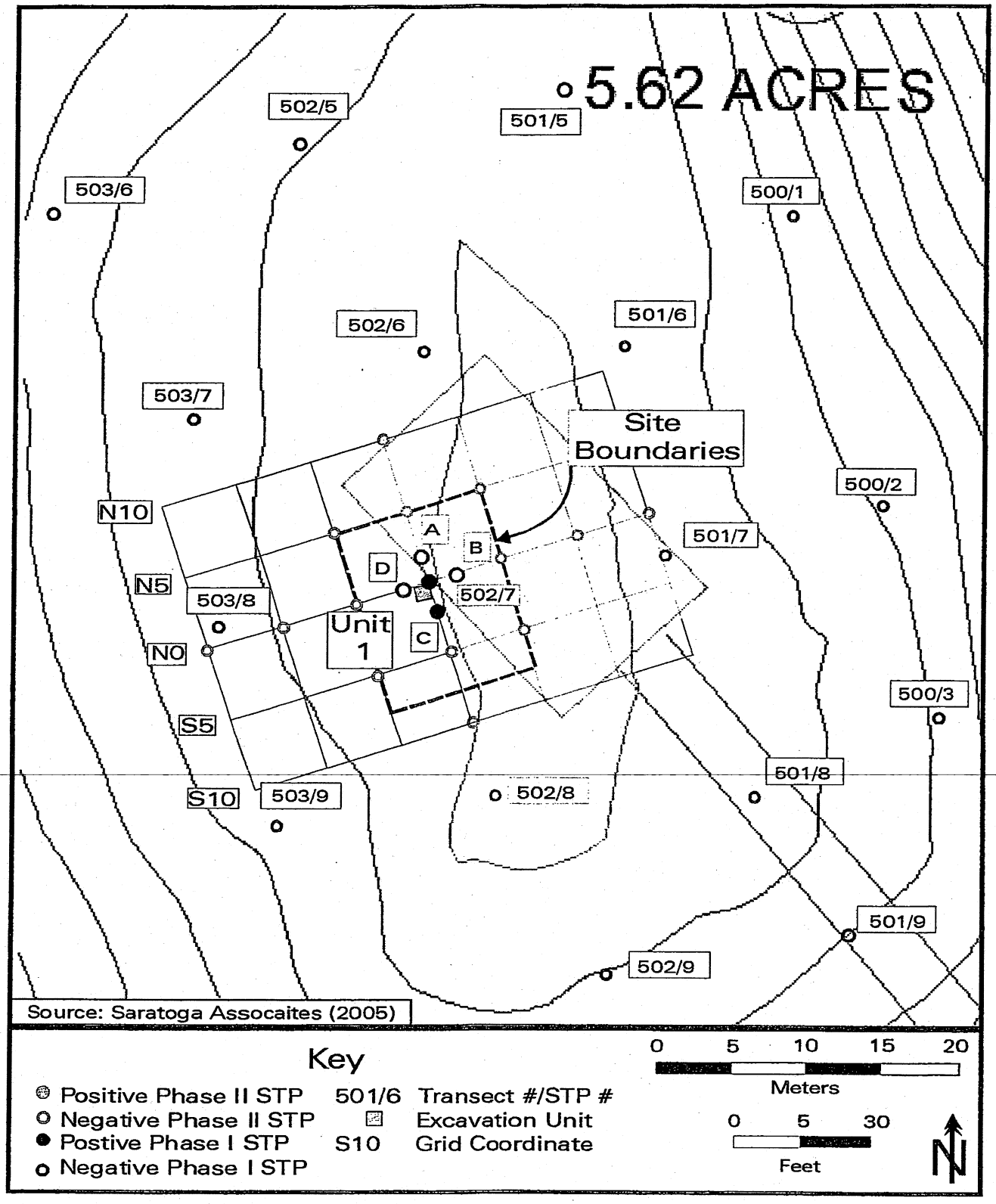


Figure 17: Site A08302.000211, Field Map

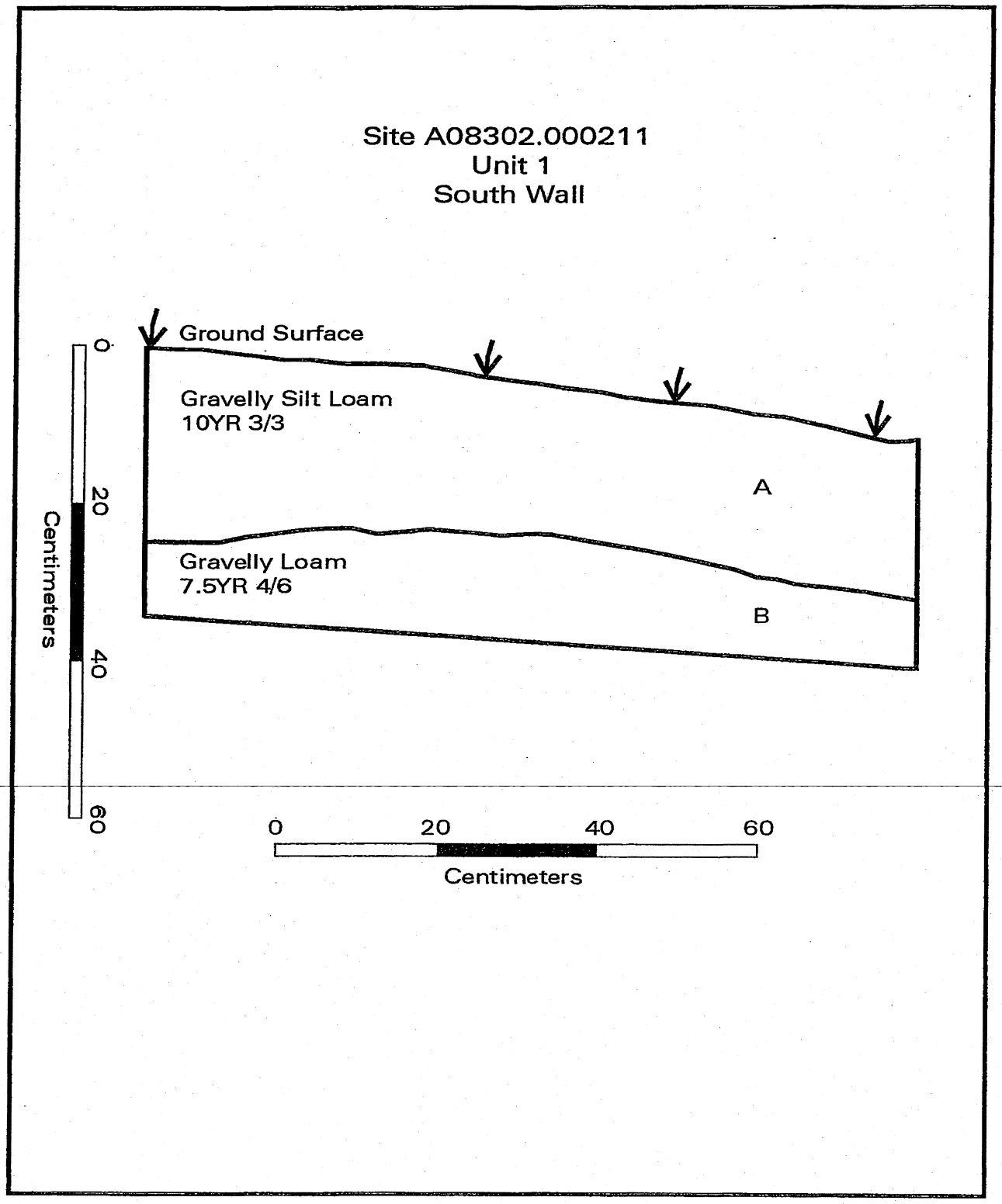


Figure 18: Site A08302.000211, Unit 1 Soil Profile

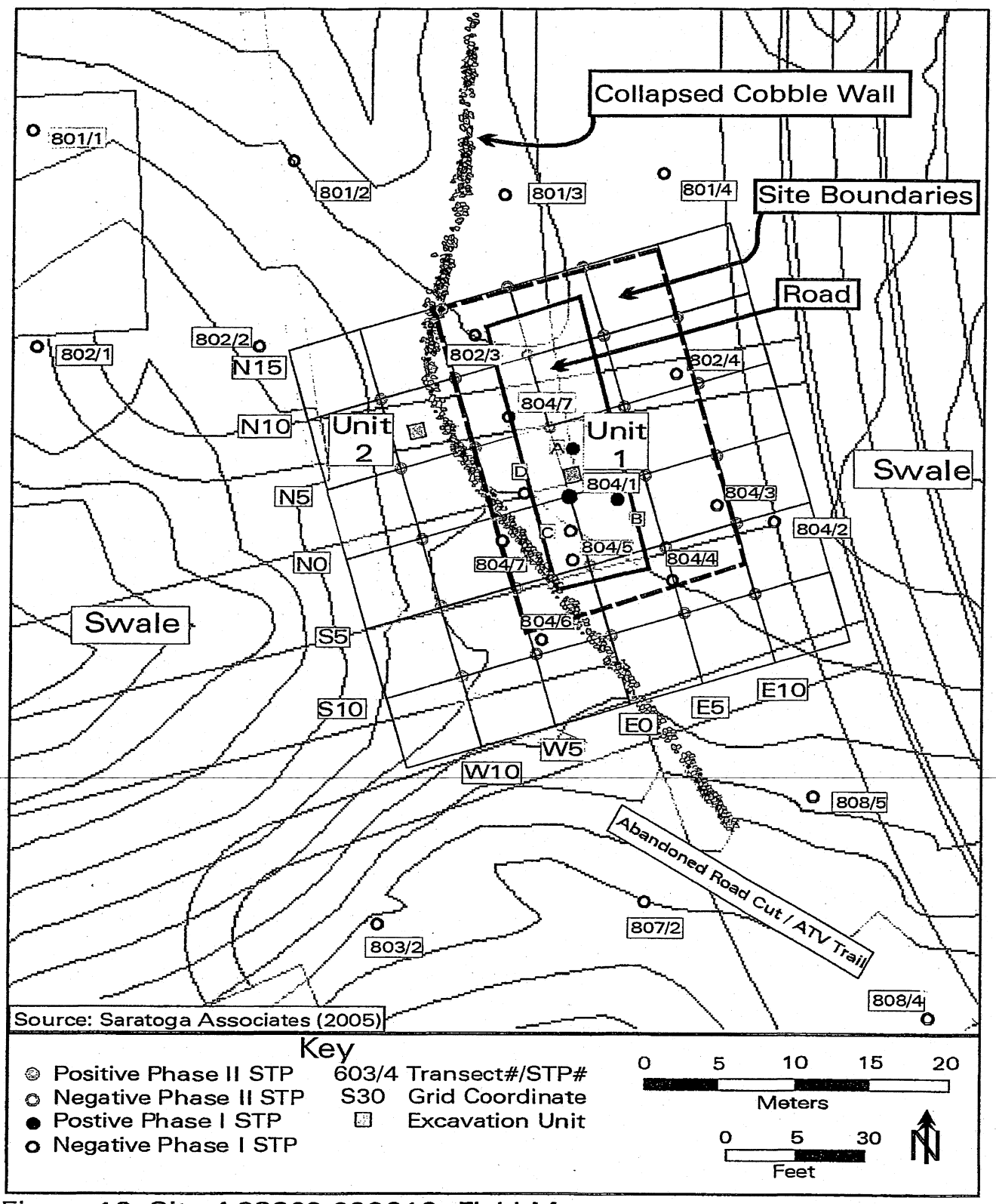


Figure 19: Site A08302.000212, Field Map

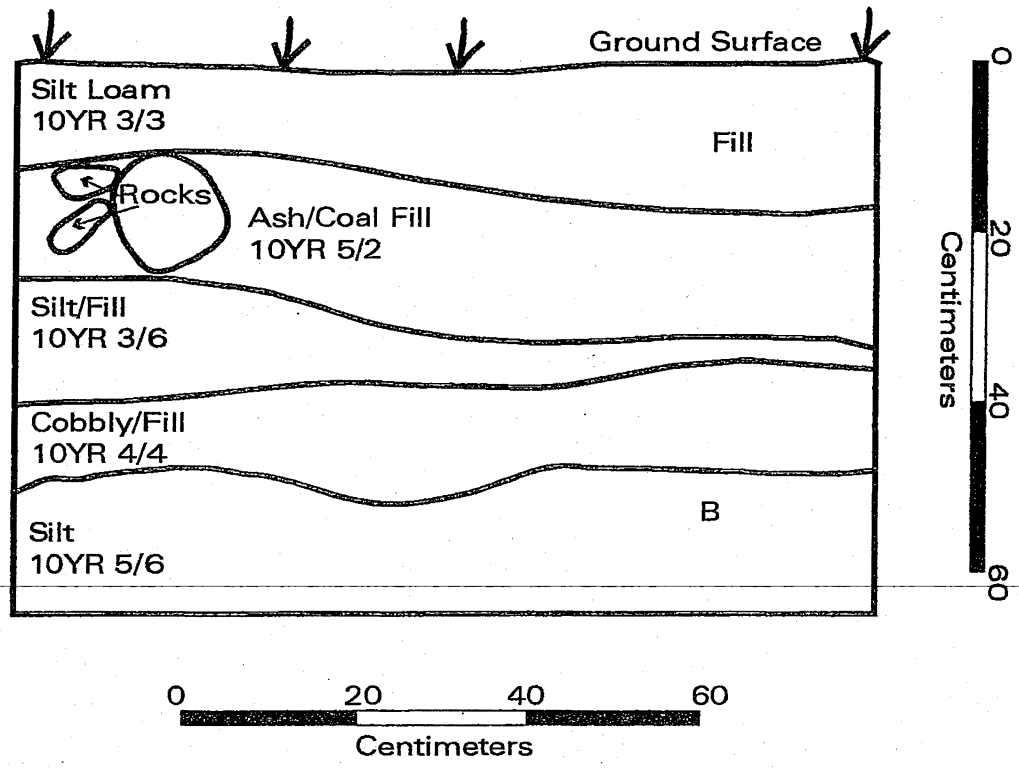


Figure 20: Site A08302.000212, Unit 1 Soil Profile

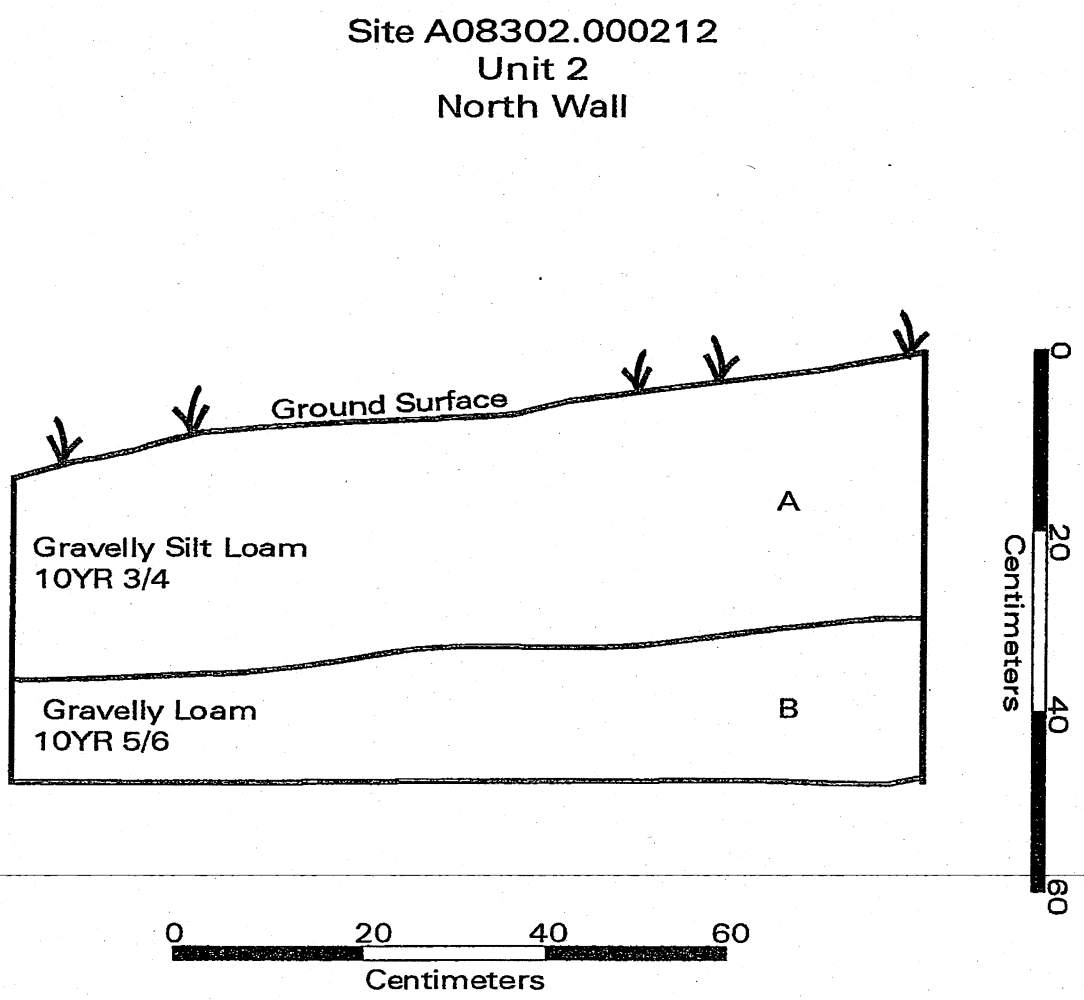


Figure 21: Site A08302.000212, Unit 2 Soil Profile

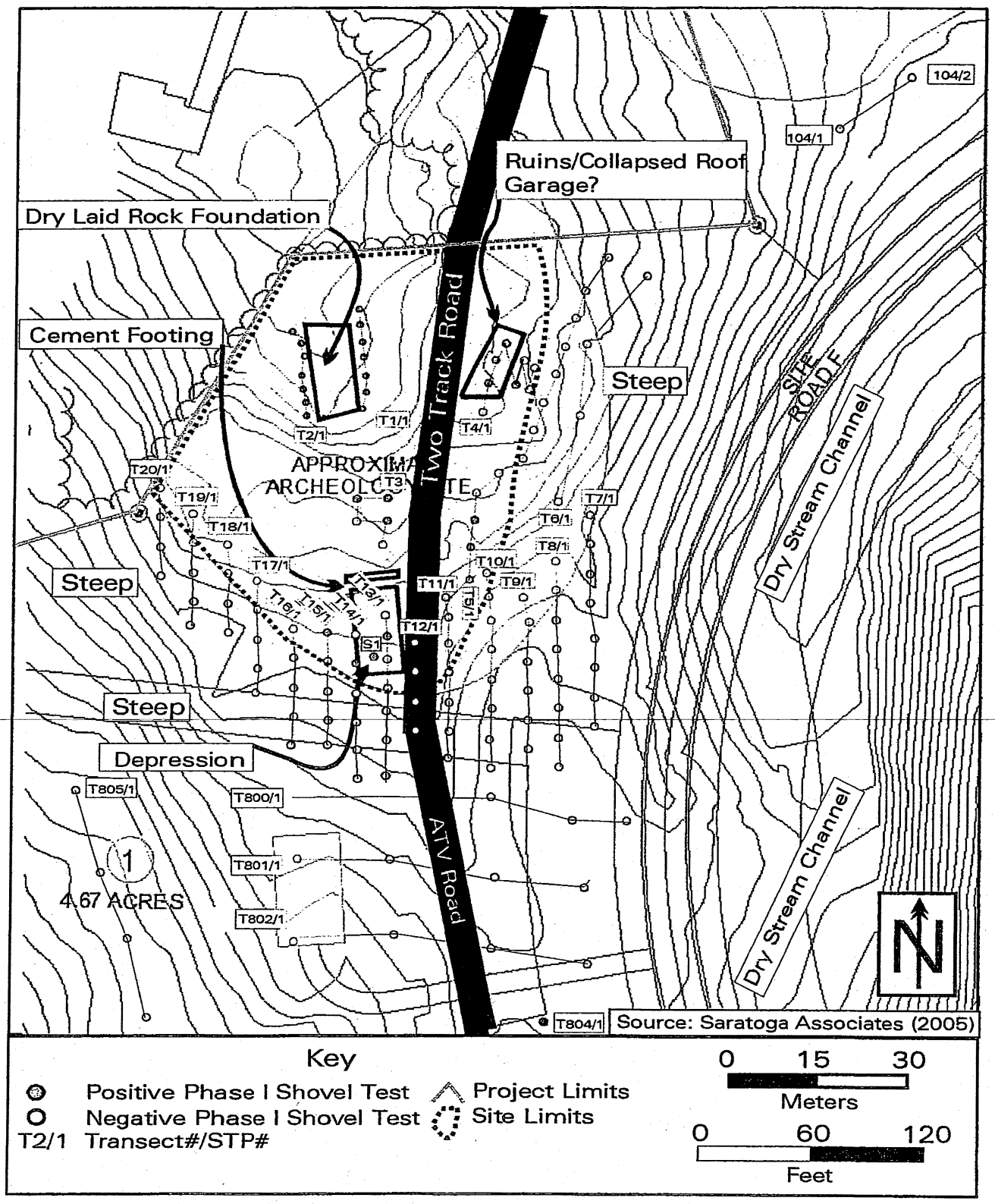


Figure 22: Site A08302.000213, Field Map

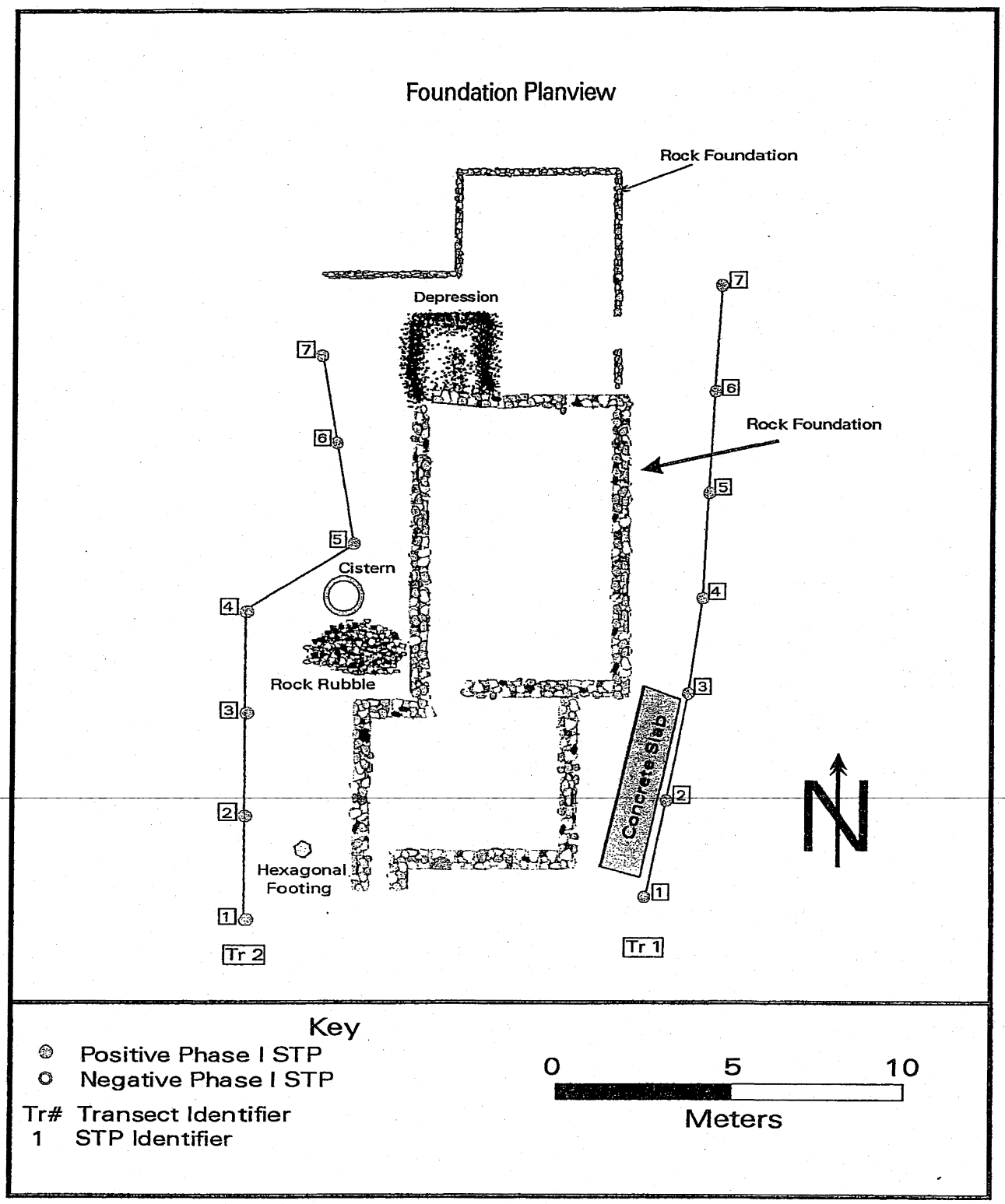


Figure 23: Site A08302.000213, House Foundation

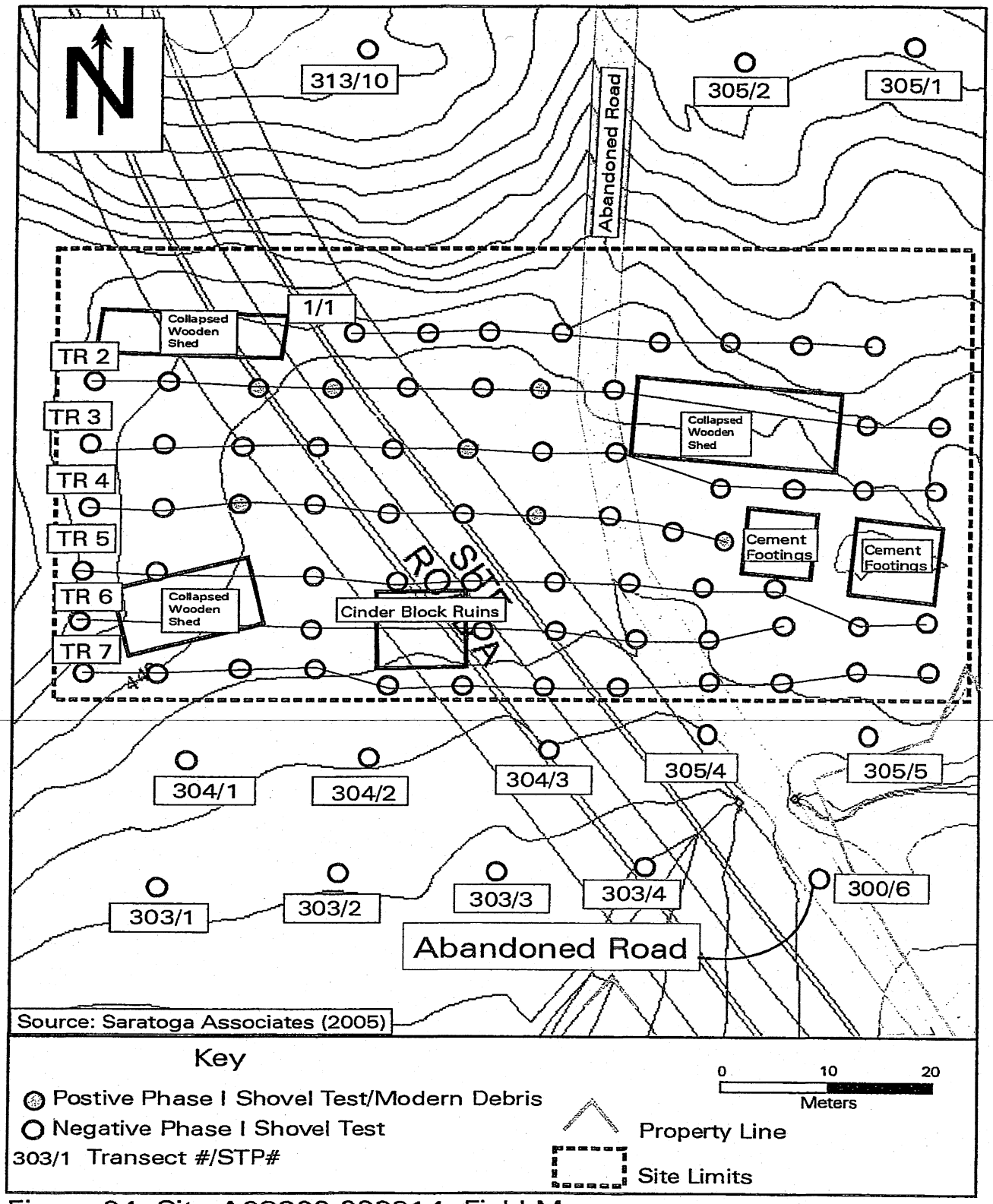
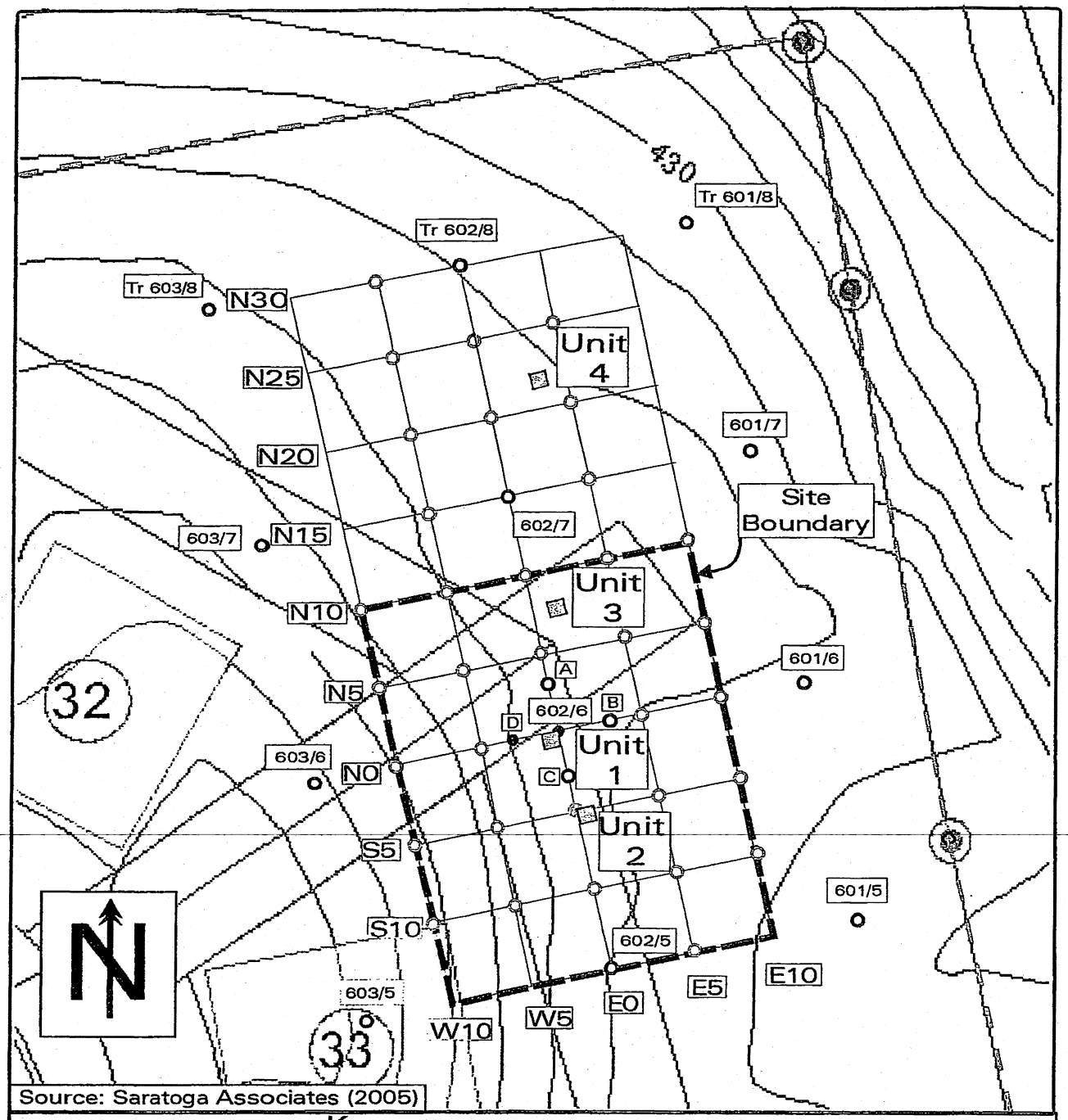


Figure 24: Site A08302.000214, Field Map



Source: Saratoga Associates (2005)

Key

- Positive Phase II STP
- Negative Phase II STP
- Postive Phase I STP
- Negative Phase I STP

603/8 Transect #/STP#
W10 Grid Coordinate
Excavation Unit
Project Area Boundaries

0 5 10 15 20 Meters

0 5 30 Feet

Figure 25: Site A08302.000215, Field Map

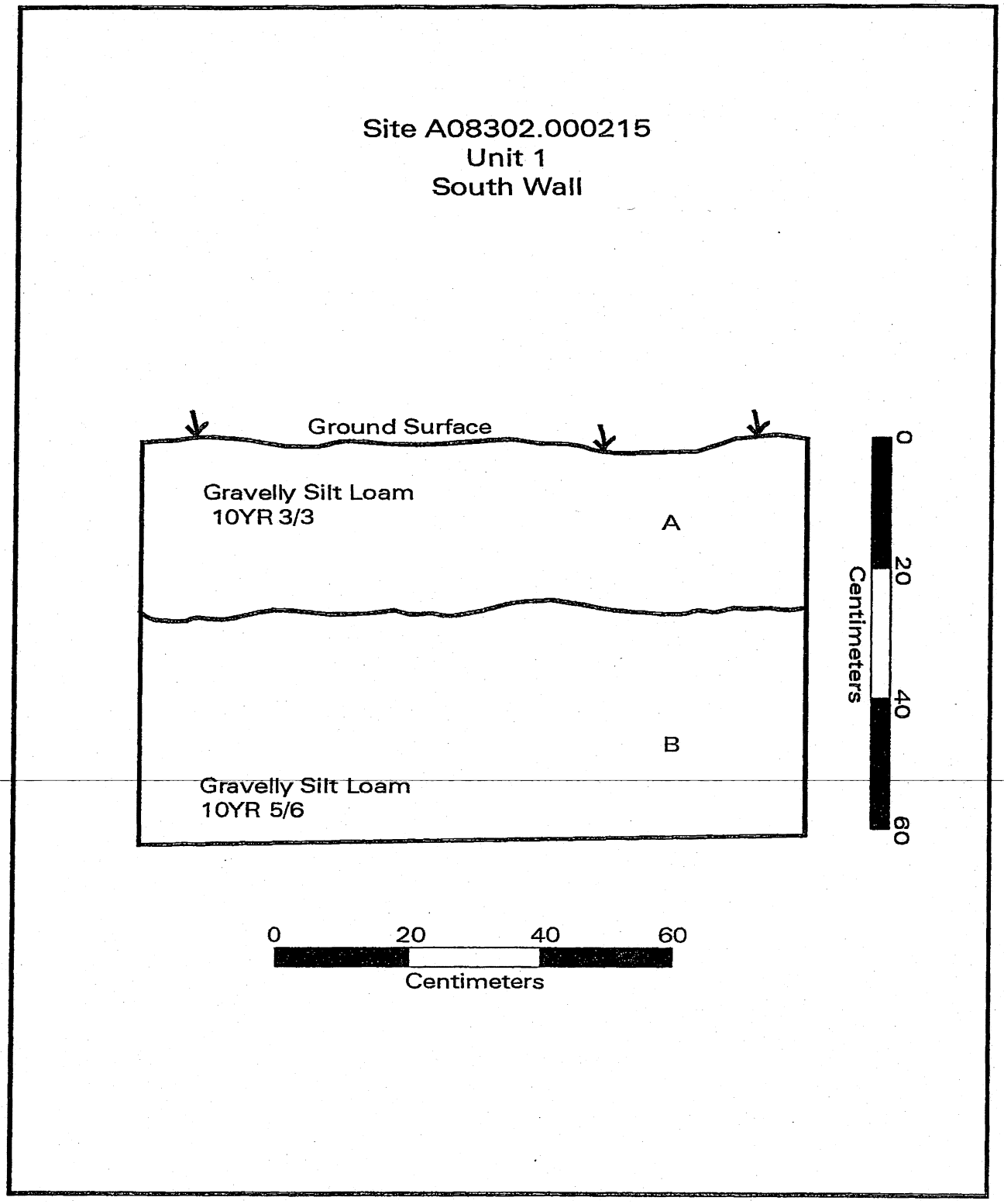


Figure 26: Site A08302.000215, Unit 1 Soil Profile

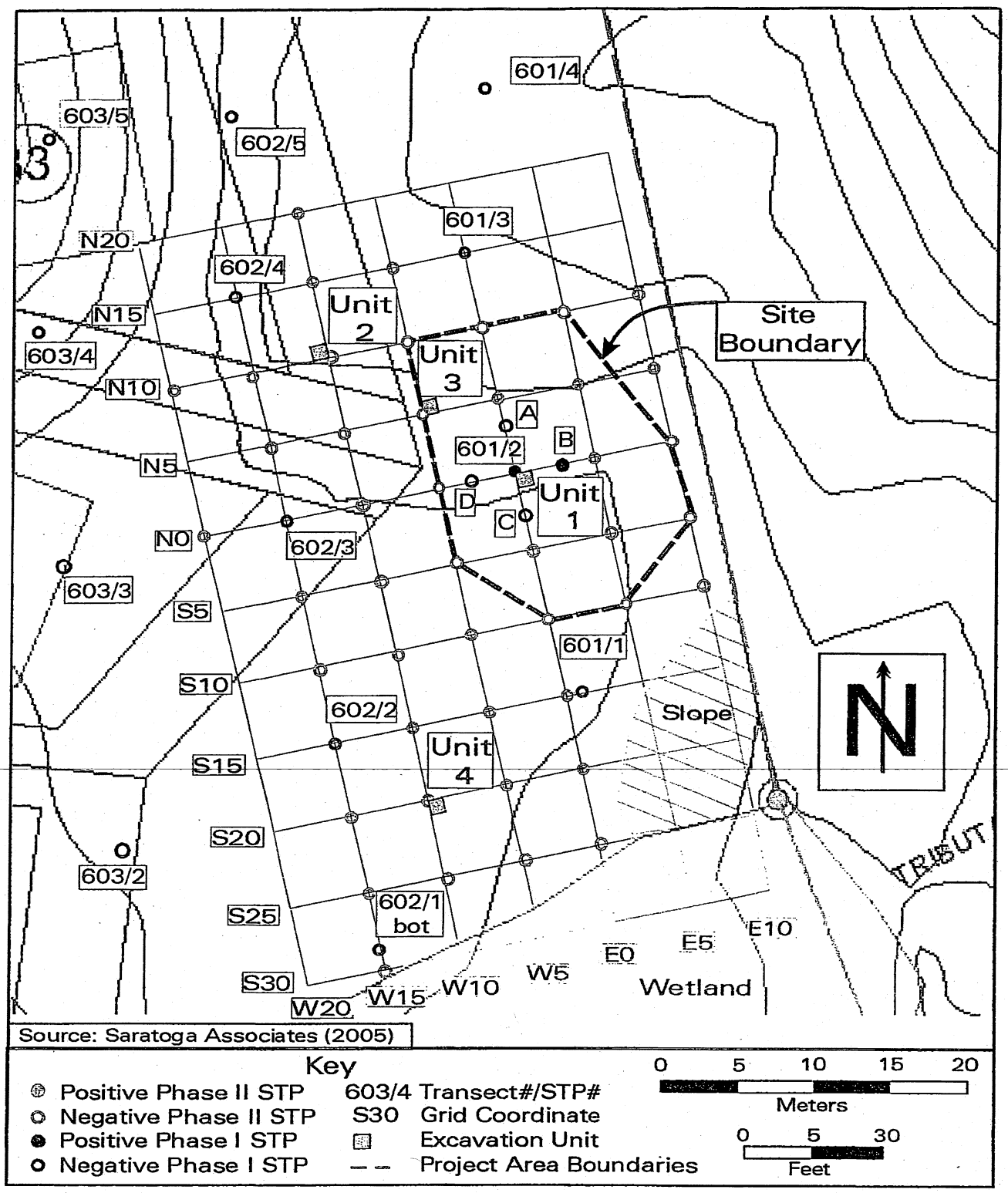


Figure 27: Site A08302.000216, Field Map

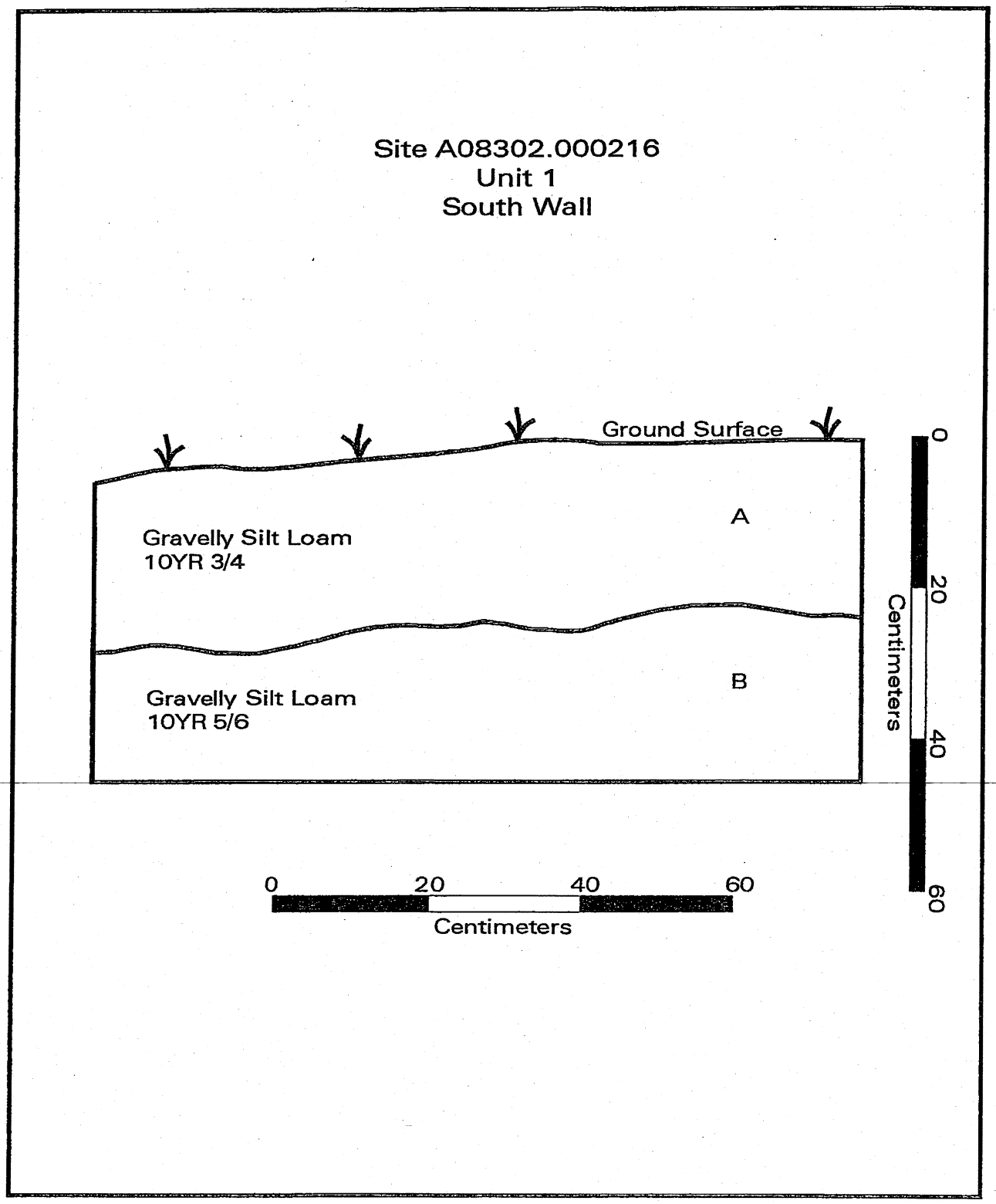


Figure 28: Site A08302.000216, Unit 1 Soil Profile

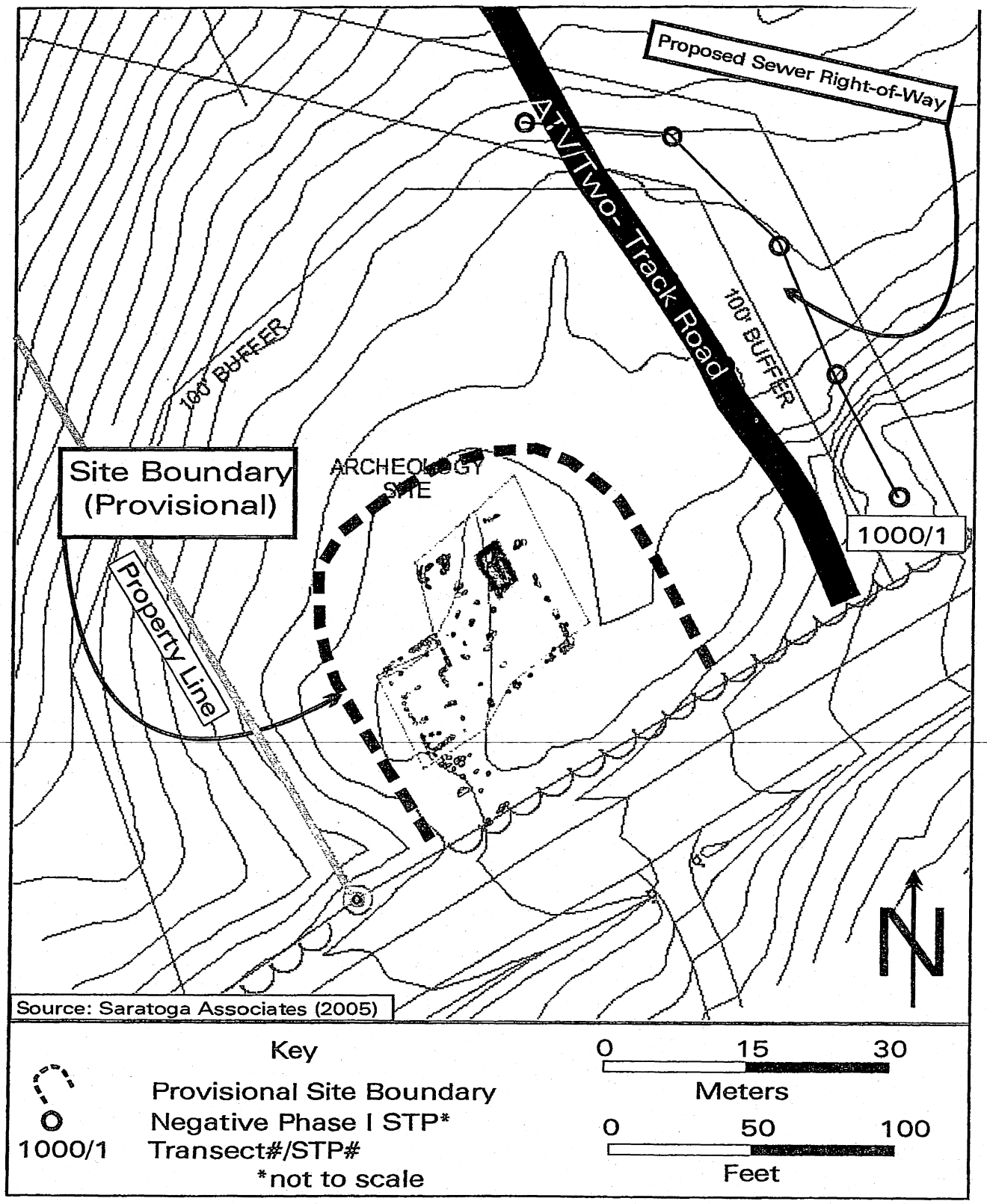


Figure 29: Site A08302.000217, Field Map

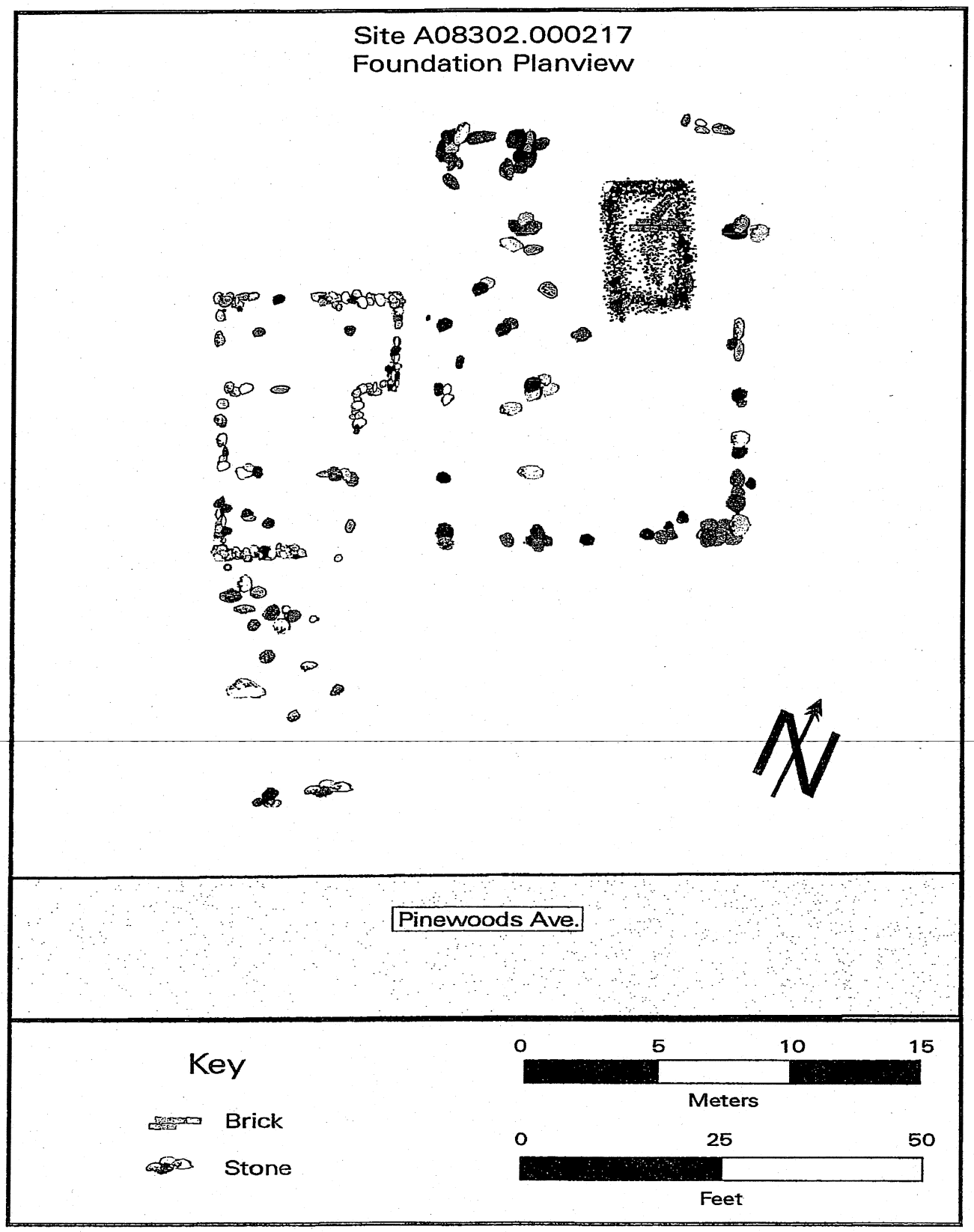


Figure 30: Site A08302.000217, Foundation

APPENDIX A

Photographs

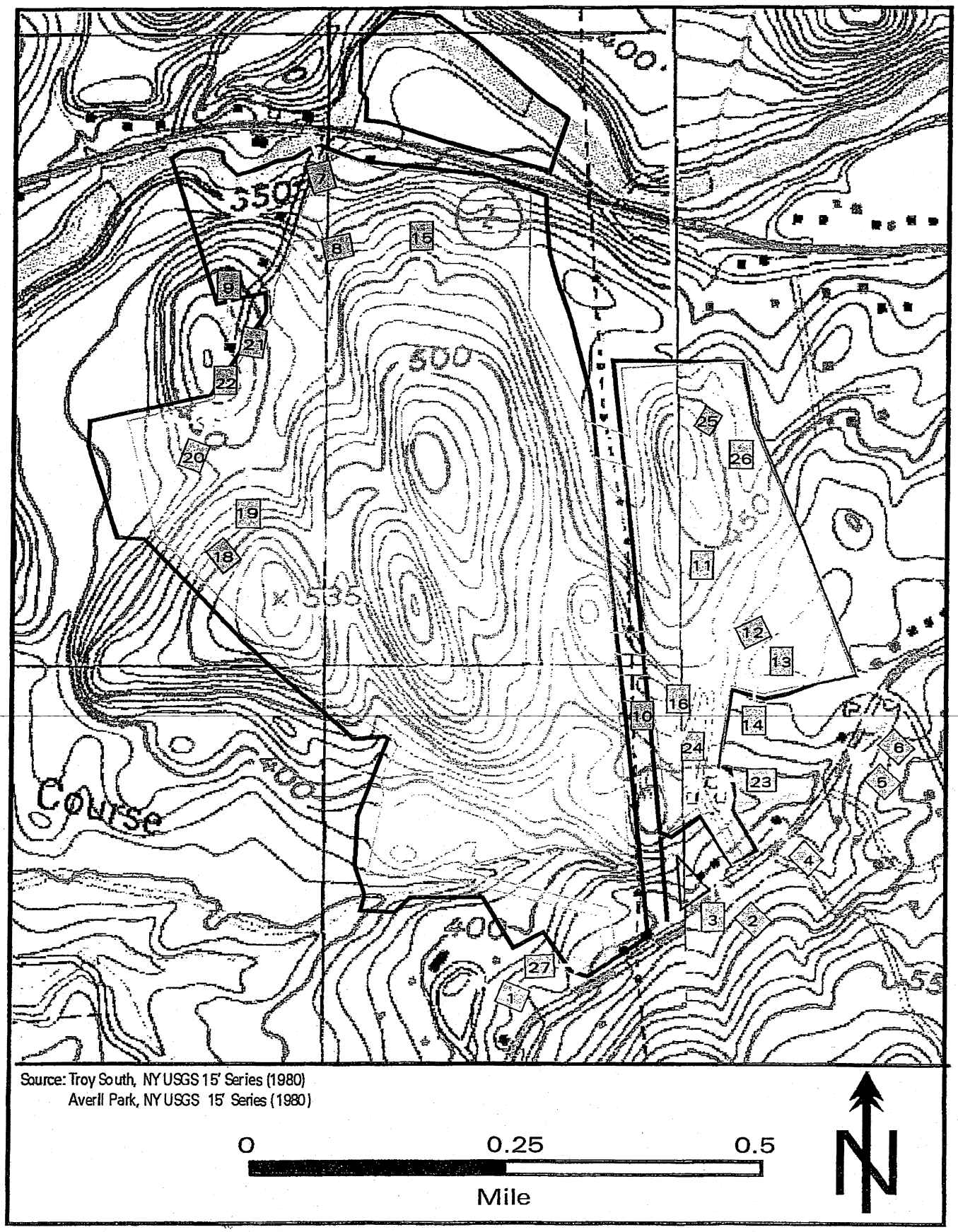


FIGURE 1: Photo Key

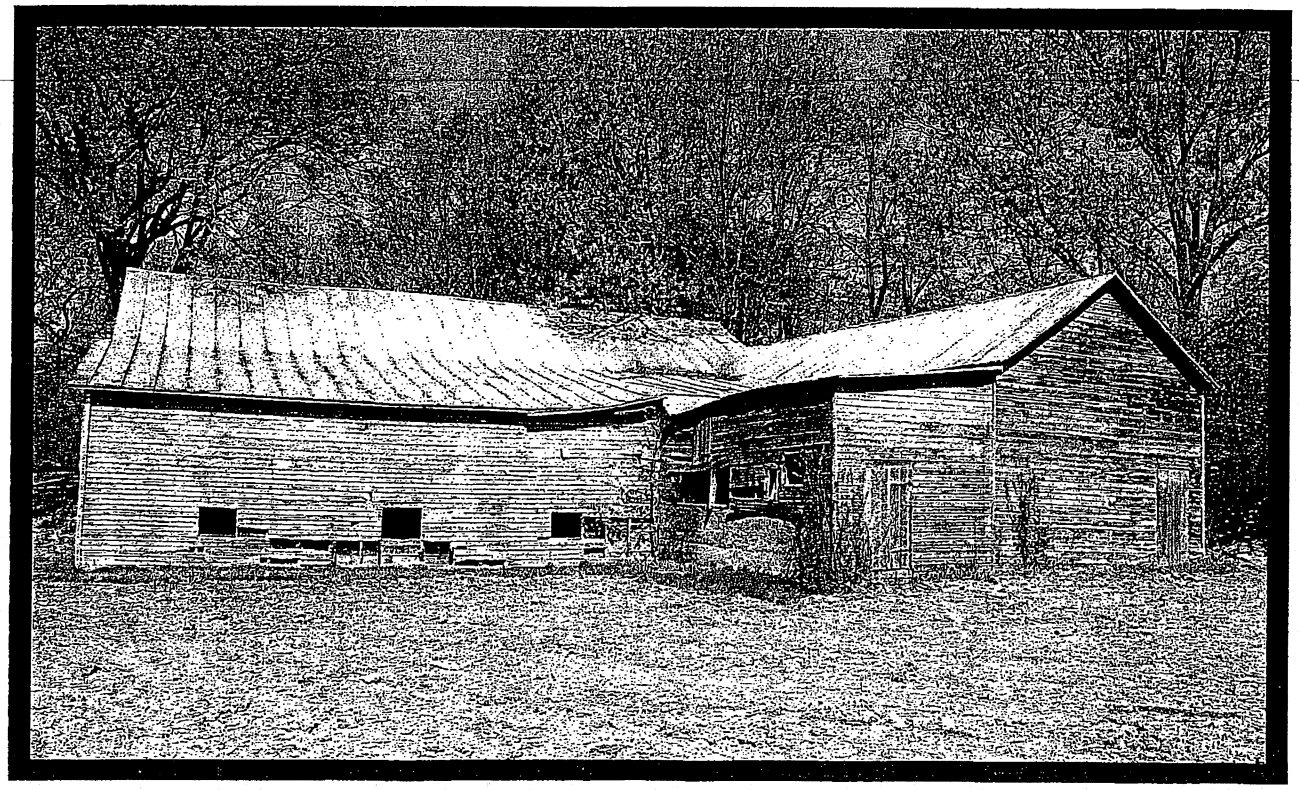
Photograph 1: 437 Pinewoods Avenue Extension, View to Northwest

Photograph 2: 517 Pinewoods Avenue Extension, View to Northwest

Photograph 3: 519 Pinewoods Avenue Extension, View to North

Photograph 4: 529 Pinewoods Avenue Extension, View to Northwest

Photograph 5: 545 Pinewoods Avenue Extension, View to Northwest



Photograph 6: Barn, 545 Pinewoods Avenue Extension, View to Northwest

Photograph 7: 295 Highway 2, View to Northwest

Photograph 8: 14 Shippey Lane, View to West

Photograph 9: 36 Shippey Lane, View to South

Photograph 10: Shovel Testing Adjacent to NYMO Corridor, View to South

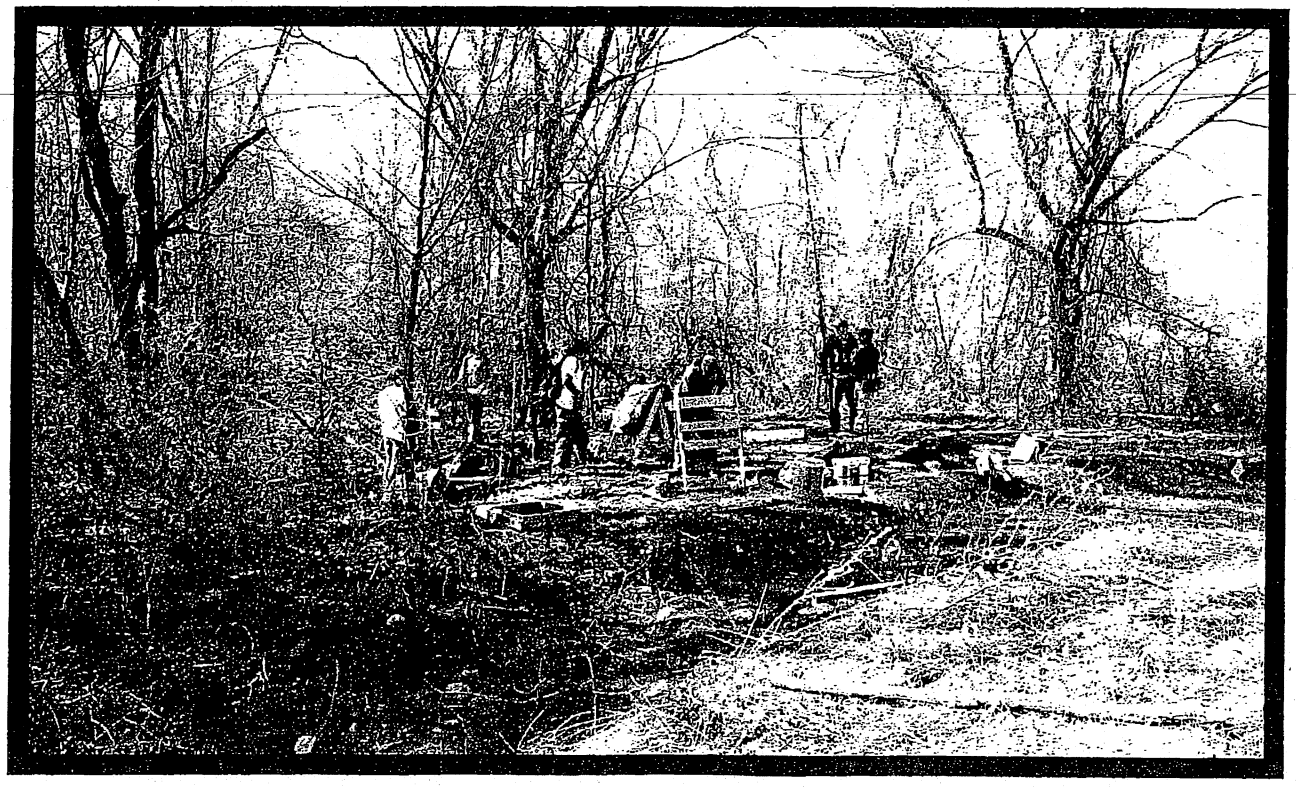
Photograph 11: ATV/Truck Road, View to North

Photograph 12: ATV/Truck Road and Exposed Bedrock, View to Southwest

Photograph 13: Steering Wheel and Column, View to North

Photograph 14: Drivers Side Door , View to North

Photograph 15: Site A08302.000209, View to South



Photograph 16: Site A08302.000210, View to South

Photograph 17: Biface, Site A08302.000210, Test Unit 1

Photograph 18: Site A08302.000211, View to Southeast

Photograph 19: Site A08302.000212, View to North

Photograph 20: Site A08302.000213, View to Northeast

Photograph 21: Site A08302.000213, Outbuilding, View to Southwest

Photograph 22: Site A08302.000213, Outbuilding, View to South

Photograph 25: Site A08302.000215, View to Northeast

Photograph 26: Site A08302.000216, View to North

Photograph 27: Site A08302.000217, View to East

APPENDIX B

Shovel Test Descriptions

Carriage Hill Estates, Rensselaer County, New York LA#106/117
Landmark Archaeology, Inc.

Munsell		10YR 4/3	10 Y5/3-5/4	10YR 6/4	10YR 3/2	10YR 5/4	10YR 5/6		
Soil Description Key		1	2	3	1	2			
STRAT		A	B	C	A	B	C	Artifacts/Comments	Modern Debris/Discarded
Phase I	STP#								
Transect 100	1	0-16	16-28+						
	2	0-18	18-41+						
	3	0-15	15-46+						
	4	0-10	10-26+						
	5	0-13	13-29+						
	6	0-21	21-36+						
	7	0-17	17-33+						
	8	0-15	15-45+						
	9	0-19	19-39+						
	10	0-25	25-47+						
	11	0-29	29-50+						
	12	0-20	20-44+						
	13	0-16	16-44+						
	14	0-18	18-42+						
	15	0-19	19-42+						
	16	0-23	23-48+						
	17	0-22	22-48+						
	18	0-23	23-46+						
Transect 101	1				0-17	17-36+			
	2				0-15	15-42+			
	3				0-20	20-41+			
	4				0-21	21-46+			
	5				0-23	23-49+			
Transect 102	1				0-22	22-45+			
	2				0-20	20-43+			
	3				0-21	21-48+			
	4				0-23	23-46+			
	5				0-23	23-49+			
Transect 103	1				0-19	19-45+			
	2				0-15	15-41+			
Transect 104	1				0-22	22-44+			
	2				0-16	16-40+			
	3				0-17	17-41+			
	4				0-20	20-39+			
	5				0-21	21-41+			
	6				0-24	24-43+			
Transect 105	1				0-16	16-39+			
	2				0-18	18-41+			
	3				0-19	19-43+			
Transect 106	1				0-15	15-40+			
	2				0-15	15-41+			
	3				0-18	18-43+			
	4				0-19	19-46+			
	5				0-20	20-43+			

Soil Description
1 Gravelly Silt Loam
2 Gravelly Loam
3 Very Shaley Silt Loam
4 Very Shaley Loam
5 Bedded Shale
6 Silt Loam

Carriage Hill Estates, Rensselaer County, New York LA#105/117
Landmark Archaeology, Inc.

Transect 107	1	0-20	20-49+	
	2	0-21	21-51+	
	3	0-20	20-39+	water at 20
	4	0-23	23-46+	
	5	0-23	23-49+	
Transect 108	1	0-22	22-41+	
	2	0-15	16-40+	
	3	0-18	18-39+	
	4	0-20	20-39+	
	5	0-21	21-40+	water at 21
Transect 109	1	0-20	20-40+	
	2	0-21	21-41+	
	3	0-24	24-45+	
	4			
Transect 110	1	0-17	17-46+	
	2	0-18	18-45+	
	3	0-20	20-41+	
	4	0-20	20-43+	
	5	0-15+		water at 15
Transect 111	1	0-21	21-41+	
	2	0-24	24-43+	
	3	0-16	16-40+	
	4	0-18	18-39+	
	5	0-17	17-41+	water at 18
	6	0-20	20-39+	water at 20
	7	0-21	21-41+	water at 24
	8	0-16	16-39+	water at 20
Transect 112	1	0-16	16-43+	
	2	0-19	19-46+	
	3	0-21	21-48+	
	4	0-23	23-42+	
	5	0-21	21-51+	
	6	0-20	20-39+	water at 17
	7	0-21	21-42+	water at 18
Transect 113	1	0-25	25-47+	
	2	0-29	29-38+	
	3	0-20	20-30+	
	4	0-16	16-44+	
	5	0-19	19-42+	water at 16
Transect 114	1	0-18	18-42+	
	2	0-19	19-42+	
	3	0-23	23-40+	
	4	0-22	22-48+	
	5	0-18	18-46+	water at 20
Transect 115	1	0-20	20-39+	
	2	0-21	21-41+	
	3	0-16	16-39+	
	4	0-18	18-38+	

Carriage Hill Estates, Rensselaer County, New York LA#106/117
Landmark Archaeology, Inc.

Transect 116	1	0-29	29-38+			
	2	0-20	20-30+			
	3	0-16	16-44+			
Transect 117	1	0-16	16-43+			
	2	0-19	19-46+		water at 23	
	3	0-21	21-48+		water at 22	
	4	0-23	23-42+		water at 20	
	5	0-22	22-48+		water at 21	
Transect 200a		10YR 3/4	10YR 5/6			
		1	2			
		A	B	C	Artifacts/Comments	Modern Debris/Discarded
Transect 200a	1	0-24	24-34+			
	2	0-23	23-36+			
	3	0-24	24-38+			
	4	0-26	26-39+			
	5	0-22	22-44+			
	6	0-20	20-43+			
	7					
Transect 200	1	0-22	22-41+			
	2	0-16	16-40+			
	3	0-18	18-40+			
	4	0-20	20-39+			
	5	0-20	20-43+			
	6	0-19	19-46+			
	7	0-21	21-45+			
	8	0-23	23-42+			
	9	0-22	22-47+			
	10	0-23	23-46+			
Transect 201	1	0-17	17-38+			
	2	0-19	19-39+			
	3	0-16	16-40+			
	4	0-16	16-42+			
	5	0-18	18-44+			
	6	0-25	25-41+			
	7	0-24	24-44+			
	8	0-26	26-45+			
	9	0-20	20-39+			
	10	0-25	25-46+			
	11	0-26	26-49+			
Transect 202	1	0-22	22-45+			
	2	0-23	23-46+			
	3	0-23	23-40+			
	4	0-22	22-48+			
	5	0-18	18-46+			
	6	0-21	21-43+			
	7	0-23	23-42+			
	8	0-21	21-42+			
	9	0-20	20-39+			
Transect 203	1	0-16			rock impasse	
	2	0-20	20-39+			
	3	0-20	20-43+			
Transect 203	4	0-19	19-46+			
	5	0-15			rock impasse	
	6	0-23	23-40+			
	7	0-21	21-48+			
	8	0-23	23-42+			
	9	0-21	21-51+			
Transect 204	1	0-22	22-46+			
	2	0-23	23-41+			
	3	0-23	23-38+			
	4	0-22	22-48+			
Transect 205	1	0-26	26-43+			
	2	0-25	25-41+			
	3	0-24	24-44+			
	4	0-25	25-45+			

Soil Description
1 Gravelly Silt Loam
2 Gravelly Loam
3 Very Shaley Silt Loam
4 Very Shaley Loam
5 Bedded Shale
6 Silt Loam

Carriage Hill Estates, Rensselaer County, New York LAJH06/117
Landmark Archaeology, Inc.

Site A08302.000209	5	0-23	23-47+	flake in A
	5a	0-20	20-40+	flake in A
Site A08302.000209	5b	0-23	23-38+	
	5c	0-24	24-35+	
Site A08302.000209	5d	0-24	24-38+	flake in A
	6	0-20	20-41+	
	7	0-25	25-43+	
	8	0-24	24-44+	
	9	0-27	27-42+	
	10	0-26	26-42+	
	11	0-24	24-39+	
	12	0-26	26-40+	
Transect 206	1	0-17	17-41+	
	2	0-20	20-39+	
	3	0-14		rock impasse
	4	0-16	16-33+	
	5	0-23	23-38+	
	6	0-20		rock impasse
	7	0-17	17-39+	
Transect 207	1	0-20	20-35+	
	2	0-25	25-42+	
	3	0-25	25-49+	
	4	0-19	19-40+	
Transect 208	1	0-21	21-41+	
	2	0-23	23-42+	
	3	0-21	21-51+	
	4	0-20	20-39+	
	5	0-17		rock impasse
	6	0-22	22-48+	
	7	0-19	19-46+	
	8	0-21	21-43+	
	9	0-23	23-38+	
	10	0-21	21-42+	
	11	0-21	21-48+	
	12	0-23	23-42+	
	13	0-21	21-46+	

Carriage Hill Estates, Rensselaer County, New York LA#108/117
Landmark Archaeology, Inc.

Transect 209	1	0-25	25-35+	
	2	0-24	24-39+	
	3	0-25	25-45+	
	4	0-23	23-41+	
	5	0-24	24-44+	
	6	0-25	25-45+	
	7	0-24	24-40+	
	8	0-25	25-42+	
Transect 210	1	0-23	23-35+	
	2	0-23	23-38+	
	3	0-20	20-38+	
	4	0-21	21-42+	
	5	0-23	23-38+	
Transect 211	1	0-23	23-35+	
	2	0-21	21-36+	
	3	0-18	18-48+	
	4	0-23	23-43+	
	5	0-20	20-41+	
Transect 212	1	0-22	22-42+	
	2	0-23	23-37+	
	3	0-23	23-35+	
Transect 213	1	0-24	24-42+	
	2	0-25	25-41+	
	3	0-20	20-33+	
	4	0-25	25-42+	
	5	0-26	26-49+	
	6	0-23	23-40+	
	7	0-21	21-42+	
	8	0-22	22-48+	
	9	0-23	23-41+	
	10	0-24	24-44+	
	11	0-25	25-45+	
	12	0-24	24-41+	
	13	0-23	23-38+	
Transect 214	1	0-16	16-29	rock impasse
	2	0-18	18-34+	
	3	0-16	16-38+	
Transect 215	1	0-19	19-42+	
	2	0-17	17-39+	
Transect 216	1	0-17	17-35+	
	2	0-13	13-32+	
	3	0-11	11-35+	
	4			
Transect 217	1	0-23	23-39+	
	2	0-21	21-44+	
	3	0-22	22-42+	
	4	0-19	19-43+	
	5	0-21	21-40+	
	6	0-23	23-42+	
Transect 218	1	0-18	18-32+	
	2	0-15	15-38+	

Carriage Hill Estates, Rensselaer County, New York LA#106/117
Landmark Archaeology, Inc.

Transect 219	1	0-17	17-34+			
	2	0-15	15-31+			
	3	0-15	15-26		rock impasse	

		10YR 4/4	10YR 5/4			
Transect 220		1	5			
		A	B	C	Artifacts/Comments	Modern Debris/Discarded
Transect 220	1	0-18	18-38+			
	2	0-19	19-39+			
	3	0-17	17-36+			
	4	0-15	15-35+			
	5	0-16	16-36+			
	6	0-17	17-38+			
	7	0-18	18-40+			
	8	0-17	17-35+			
	9	0-17	17-38+			
	10	0-15	15-30+			
	11	0-16	16-40+			
	12	0-16	16-42+			
	13	0-15	15-41+			
	14	0-14	14-39+			
	15	0-16	16-42+			
	16	0-14	14-35+			
Transect 221	1	0-21	21-44+			
	2	0-22	22-42+			
	3	0-19	19-43+			
	4	0-19	19-40+			
	5	0-17	17-38+			
Transect 222	1	0-25	25-42+			
	2	0-26	26-49+			
	3	0-23	23-40+			
	4	0-21	21-42+			
	5	0-22	22-46+			
	6	0-23	23-41+			
	7	0-24	24-44+			
	8	0-25	25-45+			
Transect 223	1	0-23	23-42+			
	2	0-21	21-42+			
	3	0-20	20-40+			
	4	0-21	21-42+			
	5	0-22	22-40+			
	6	0-19	19-45+			
	7	0-21	21-43+			
	8	0-23	23-38+			
	9	0-21	21-42+			
	10	0-21	21-47+			
	11	0-22	22-46+			
Transect 224	1	0-20	20-33+			
	2	0-25	25-42+			
	3	0-24	24-49+			
	4	0-23	23-45+			
	5	0-21	21-42+			
	6	0-22	22-44+			
	7	0-23	23-40+			
	8	0-24	24-44+			
	9	0-22	22-43+			
	10	0-24	24-41+			
	11	0-21	21-48+			

Soil Description

1 Gravelly Silt Loam
2 Gravelly Loam
3 Very Shaley Silt Loam
4 Very Shaley Loam
5 Bedded Shale
6 Silt Loam

Carriage Hill Estates, Rensselaer County, New York LA#106/117
Landmark Archaeology, Inc.

	12	0-23	23-42+			
	13	0-21	21-40+			
	14	0-23	23-40+			
	15	0-21	21-46+			
Transect 225	1	0-26	26-45+			
	2	0-23	23-40+			
	3	0-20	20-44+			
	4	0-22	22-43+			
	5	0-23	23-41+			
		0-24	24-44+			
Transect 226						
	1	0-16			Water @ 5 cm	
	2	0-18			Water @ 10cm	
	3	0-20			Water @ 10cm	
	4	0-14			Water @ 12cm	
	5	0-23	23-38+			
Transect 300		10 YR 3/2	10YR/53			
		1	4			
		A	B	C	Artifacts/Comments	Modern Debris/Discarded
Transect 300	1	0-39			Road, fill to 39cm	X
	2	0-35			Road, fill to 35cm	
	3	0-26	26-40+		Road	
	4	0-24	24-41+		Road	
	5	0-18	18-39+		Road	
	6	0-24	24-39+		Road	
Transect 301	1	0-26	26-41+			
	2	0-24	24-40+			
Transect 302	1	0-24	24-39+			
	2	0-24	24-43+			
	3	0-26	26-44+			
Transect 303	1	0-23	23-40+			
	2	0-26	26-45+			
	3	0-24	24-48+			
	4	0-35	35-49+			
Transect 304	1	0-24	24-36+			x
	2	0-24	24-39+			
	3	0-25	25-43+			x
	4	0-26	26-45+			x
	5	0-24	24-43+			
Transect 305		10YR 3/4	10YR 5/6			
		1	2			
		A	B	C	Artifacts/Comments	Modern Debris/Discarded
Transect 305	1	0-26	26-41+			
	2	0-24	24-40+			

Soil Description

1 Gravelly Silt Loam
2 Gravelly Loam
3 Very Shaley Silt Loam
4 Very Shaley Loam
5 Bedded Shale
6 Silt Loam

Soil Description

1 Gravelly Silt Loam
2 Gravelly Loam
3 Very Shaley Silt Loam
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Carriage Hill Estates, Rensselaer County, New York LA#106/117
Landmark Archaeology, Inc.

Transect 306	1	0-25	25-50+		
	2	0-24	24-53+		
	3	0-23	23-52+		
	4	0-25	25-51+		
Transect 307	1	0-23	23-44+		
	2	0-21	21-42+		
	3	0-22	22-43+		
	4	0-23	23-40+		
	5	0-24	24-44+		
Transect 308	1	0-21	21-46+		
	2	0-20	20-47+		tin, glass in A
	3	0-21	21-42+		
	4	0-22	22-40+		
	5	0-23	23-46+		windshield glass in A
	6	0-24	24-45+		metal in A
Transect 309	1	0-25	25-45+		
	2	0-17	17-33+		plastic in A
	3	0-25	25-38+		plastic in A
	4	0-26	26-49+		chrome in A
	5	0-23	23-42+		tin in A
	6	0-21	21-42+		metal in A
Transect 310	1	0-23	23-41+	Water @ 20cm	
	2	0-24	24-44+		
	3	0-23	23-36+		
	4	0-21	21-39+		
	5	0-21	21-48+		
	6	0-23	23-40+		
	7	0-20	20-41+		
Transect 311	1	0-26	26-49+	Water @ 25cm	
	2	0-24	24-49+		
	3	0-23	23-46+		
	4	0-21	21-42+		
	5	0-22	22-44+		
	6	0-25	25-46+		
	7	0-24	24-44+		
	8	0-22	22-42+		
	9	0-24	24-41+		
	10	0-21	21-48+		
	11	0-23	23-42+		
	12	0-23	23-38+		
	13	0-21	21-42+		
Transect 312	1	0-23	23-39+		
	2	0-23	23-38+		
	3	0-20	20-38+		
	4	0-21	21-42+		
	5	0-23	23-38+		
	6	0-24	24-44+		
	7	0-21	21-48+		windshield glass in A
Transect 313	1	0-26	26-41+		
	2	0-20	20-33+		
	3	0-25	25-42+		
	4	0-26	26-49+		
	5	0-23	23-40+		windshield glass in A
	6	0-21	21-42+		
Site A08302.000210	7	0-22	22-48+	flake in A	
Site A08302.000210	7a	0-23	23-39+	flake in A	
	7b	0-25	25-37+		
	7c	0-24	24-38+		
	7d	0-23	23-40+		
	8	0-23	23-41+		
	9	0-21	21-48+		
	10	0-23	23-42+		
Transect 314	1	0-24	24-42+		
	2	0-25	25-46+		
	3	0-20	20-36+		
	4	0-25	25-42+		
	5	0-26	26-49+		
	6	0-23	23-41+		
	7	0-21	21-42+		
	8	0-22	22-45+		
	9	0-23	23-41+		

Carriage Hill Estates, Rensselaer County, New York LA#106/117
Landmark Archaeology, Inc.

	10	0-24	24-44+
	11	0-24	24-45+
Transect 315			
	1	0-23	23-41+
	2	0-21	21-45+
	3	0-25	25-44+
	4	0-23	23-40+
	5	0-24	24-44+
	6	0-22	22-44+
	7	0-24	24-42+
	8	0-23	23-48+
	9	0-23	23-46+
	10	0-21	21-43+
	11	0-23	23-42+
	12	0-21	21-42+
	13	0-22	22-44+
	14	0-23	23-40+
Transect 316	1	0-22	22-40+
	2	0-23	23-46+
	3	0-24	24-45+
	4	0-24	24-41+
	5	0-19	19-39+
	6	0-25	25-45+
	7	0-24	24-40+
	8	0-23	23-42+
	9	0-24	24-41+
	10	0-21	21-48+
	11	0-23	23-46+
	12	0-23	23-38+
	13	0-21	21-39+
	14		
Transect 317	1	0-21	21-36+
	2	0-22	22-39+
	3	0-19	19-42+
Transect 318	1	0-24	24-41+
	2	0-21	21-43+
	3	0-22	22-44+
	4	0-23	23-41+
	5	0-24	24-39+

Transect 319		10YR 3/3	10YR 5/4	5Y 5/2		
		4	5	6		
		A	B	ROCK	Artifacts/Comments	Modern Debris/Discarded
Transect 319	1	0-15	15-36	36		
	2	0-17	17-36	36		
	3	0-16	16-34	34		
	4	0-16	16-35	35		
	5	0-17	17-36	36		

Soil Description
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	6	0-18	18-38	38	
	7	0-15	15-37	37	
	8	0-17	17-39	39	
	9	0-18	18-36	36	glass in A
	10	0-16	16-38	38	metal in A
	11	0-16	16-40	40	rubber, glass in A
	12	0-15	15-36	36	windshield glass in A
	13	0-14	14-38	38	metal in A
	14	0-16	16-41	41	screw, glass in A
	15	0-15	15-39	39	windshield glass in A
Transect 320	1	0-19	19-41	41	
	2	0-13	13-43	43	
	3	0-16	16-40	40	
	4	0-15	15-39	39	
	5	0-17	17-41	41	
	6	0-16	16-38	38	
	7	0-15	15-41	41	
	8	0-16	16-39	39	
	9	0-18	18-36	36	glass, metal in A
	10	0-16	16-43	43	nut/bolt in A
	11	0-19	19-42	42	chrome in A
	12	0-17	17-37	37	glass, metal in A
	13	0-17	17-39	39	glass, metal in A
	14	0-17	17-40	40	plastic in A
Transect 321	1	0-16	16-33	33	
	2	0-16	16-36	36	
	3	0-16	16-35	35	
	4	0-15	15-37	37	
	5	0-17	17-39	39	
	6	0-18	18-36	36	
	7	0-16	16-39	39	
	8	0-16	16-37	37	chrome, glass in A
	9	0-15	15-36	36	
	10	0-14	14-38	38	metal in A
	11	0-16	16-29	29	plastic, metal in A
	12	0-16	16-35	35	screw, glass in A
	13	0-17	17-34	34	metal in A
Transect 322	1	0-13	13-43	43	
	2	0-16	16-40	40	
	3	0-16	16-39	39	
	4	0-17	17-41	41	
	5	0-16	16-38	38	
	6	0-15	15-41	41	
	7	0-16	16-39	39	
	8	0-18	18-36	36	metal, glass in A
	9	0-16	16-43	43	
	10	0-19	19-42	42	bolt in A
	11	0-15	15-41	41	
	12	0-16	16-36	36	glass in A
Transect 323	1	0-18	18-36	36	
	2	0-16	16-37	37	
	3	0-19	19-40	40	
	4	0-15	15-41	41	
	5	0-18	18-36	36	
	6	0-18	18-39	39	
	7	0-16	16-37	37	
	8	0-17	17-36	36	
	9	0-16	16-37	37	plastic, rubber in A
	10	0-15	15-38	38	
	11	0-18	18-33	33	chrome in A
Transect 324	1	0-15	15-36	36	
	2	0-14	14-38	38	
	3	0-16	16-41	41	
	4	0-15	15-39	39	

Carriage Hill Estates, Rensselaer County, New York LA#106/117
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	5	0-16	16-40	40	
	6	0-19	19-41	41	
	7	0-13	13-43	43	screw, glass in A
	8	0-16	16-40	40	
	9	0-15	15-35	35	
	10	0-17	17-41	41	glass in A
	11	0-16	16-38	38	
Transect 325	1	0-15	15-39	39	
	2	0-17	17-41	41	
	3	0-16	16-33	33	
	4	0-15	15-41	41	
	5	0-16	16-39	39	
	6	0-18	18-36	36	
	7	0-16	16-43	43	
	8	0-19	19-42	42	windshield glass in A
	9	0-15	15-41	41	
	10	0-19	19-41	41	
	11	0-17	17-38	38	
Transect 326	1	0-17	17-36	36	
	2	0-16	16-34	34	
	3	0-16	16-35	35	
	4	0-17	17-36	36	
	5	0-18	18-38	38	
	6	0-15	15-37	37	
	7	0-17	17-39	39	
	8	0-18	18-35	35	
	9	0-16	16-35	35	
Transect 327	1	0-15	15-31	31	
	2	0-16	16-33	33	
Transect 328	1	0-15	15-36	36	
	2	0-14	14-39	39	
	3	0-14	14-36	36	
	4	0-15	15-34	34	
	5	0-16	16-39	39	
	6	0-16	16-37	37	
	7	0-17	17-36	36	
	8	0-16	16-37	37	
Transect 329	1	0-13	13-39	39	
	2	0-18	18-31	31	
	3	0-16	16-38	38	
	4	0-16	16-40	40	
	5	0-15	15-35	35	
	6	0-14	14-38	38	
	7	0-16	16-41	41	
Transect 330	1	0-16	16-32	32	
	2	0-19	19-41	41	
	3	0-13	13-42	42	
	4	0-16	16-40	40	
	5	0-15	15-39	39	
	6	0-15	15-41	41	
	7	0-16	16-38	38	
Transect 331	1	0-16	16-39	39	
	2	0-15	15-35	35	
	3	0-16	16-43	43	
	4	0-19	19-42	42	
	5	0-17	17-32	32	
Transect 332	1	0-18	18-35	35	
	2	0-15	15-33	33	
	3	0-17	17-39	39	
	4	0-15	15-36	36	
	5	0-16	16-38	38	
	6	0-16	16-40	40	

Carriage Hill Estates, Rensselaer County, New York LA#105/117
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Transect 333	1	0-14	14-38	38		
	2	0-16	16-41	41		
	3	0-15	15-35	35		
	4	0-19	19-41	41		
	5	0-19	19-39	39		

Transect 400		10YR 3/4	10YR 5/6			
		1	2			
		A	B	C	Artifacts/Comments	Modern Debris/Discarded

Soil Description

1	Gravelly Silt Loam
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Transect 400	1	0-18	18-37+			
	2	0-19	19-36+			
	3	0-17	17-36+			
	4	0-15	15-34+			
	5	0-15	15-36+			
	6	0-17	17-38+			
Transect 400	7	0-18	18-40+			
	8	0-17	17-35+			
	9	0-17	17-38+			
	10	0-15	15-30+			
	11	0-16	16-41+			
	12	0-16	16-40+			
	13	0-15	15-40+			
	14	0-14	14-39+			
	15	0-16	16-42+			
	16	0-14	14-35+			
	17	0-14	14-30+			
	18	0-16	16-40+			
	19	0-16	16-42+			
	20	0-16	16-41+			
Transect 401	1	0-18	18-42+			
	2	0-16	16-44+			
	3	0-20	20-39+			
	4	0-21	21-42+			
	5	0-20	20-39+			
	6	0-25	25-47+			
	7	0-29	29-38+			
	8	0-20	20-30+			
	9	0-16	16-44+			
	10	0-19	19-42+			
	11	0-20	20-39+			
	12	0-18	18-42+			
	13	0-19	19-42+			
	14	0-23	23-40+			
	15	0-22	22-48+			
	16	0-18	18-46+			
Transect 402	1	0-17	17-39+			
	2	0-21	21-41+			
	3	0-16	16-39+			
	4	0-18	18-35+			
	5	0-14	14-39+			
	6	0-15	15-36+			
	7	0-15	15-34+			
	8	0-16	16-36+			
	9	0-16	16-37+			
	10	0-17	17-36+			
	11	0-16	16-35+			
Transect 403	1	0-14	14-39+			
	2	0-18	18-35+			
	3	0-16	16-37+			
	4	0-16	16-40+			
	5	0-15	15-36+			
	6	0-15	15-38+			
	7	0-16	16-41+			
	8	0-16	16-40+			
	9	0-16	16-35+			
	10	0-19	19-41+			
	11	0-13	13-42+			
	12	0-16	16-40+			

Carriage Hill Estates, Rensselaer County, New York LA#105/117
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	13	0-15	15-39+
	14	0-15	15-41+
	15	0-16	16-38+
	16	0-12	12-40+
	17	0-14	14-39+
	18	0-15	15-35+
Transect 403	19	0-16	16-43+
	20	0-19	19-42+
	21	0-17	17-35+
	22	0-16	16-44+
	23	0-18	18-35+
	24	0-15	15-33+
	25	0-17	17-39+
	26	0-15	15-36+
	27	0-16	16-38+
	28	0-16	16-42+
	29	0-16	16-40+
	30	0-14	14-38+
	31	0-16	16-41+
	32	0-15	15-35+
	33	0-19	19-41+
Transect 404	1	0-16	16-38+
	2	0-19	19-36+
	3	0-17	17-35+
	4	0-15	15-34+
	5	0-16	16-35+
	6	0-17	17-35+
	7	0-18	18-31+
	8	0-17	17-32+
	9	0-17	17-38+
	10	0-16	16-30+
	11	0-16	16-40+
	12	0-16	16-45+
	13	0-15	15-44+
	14	0-14	14-39+
	15	0-16	16-39+
	16	0-14	14-35+
	17	0-17	17-35+
Transect 405	1	0-20	20-43+
	2	0-19	19-46+
	3	0-17	17-39+
	4	0-16	16-43+
	5	0-18	18-48+
	6	0-19	19-42+
	7	0-16	16-45+
	8	0-17	17-32+
	9	0-15	15-45+
	10	0-16	16-41+
	11	0-18	18-36+
	12	0-17	17-48+
	13	0-17	17-35+
Transect 406	1	0-16	16-41+
	2	0-17	17-42+
	3	0-16	16-43+
Transect 407	1	0-13	13-34+
	2	0-16	16-37+
Transect 408	1	0-15	15-38+
	2	0-16	16-33+
	3	0-15	15-33+
	4	0-16	16-36+
Transect 409	1	0-18	18-32+
	2	0-16	16-35+
	3	0-16	16-39+
	4	0-15	15-37+
	5	0-15	15-35+
	6	0-17	17-41+
	7	0-16	16-40+
	8	0-15	15-26+
	9	0-19	19-30+
	10	0-13	13-41+
	11	0-16	16-32+

Carriage Hill Estates, Rensselaer County, New York LA#105/117
Landmark Archaeology, Inc.

Transect 410	1	0-15	15-40+
	2	0-16	16-40+
	3	0-16	16-37+
	4	0-14	14-39+
Transect 411	1	0-16	16-44+
	2	0-15	15-32+
Transect 412	1	0-14	14-41+
	2	0-12	12-35+
	3	0-18	18-33+
	4	0-14	14-36+
	5	0-17	17-36+
	6	0-15	15-32+
	7	0-16	16-42+
	8	0-16	16-43+
	9	0-14	14-40+
	10	0-13	13-35+
	11	0-17	17-40+
	12	0-16	16-40+
	13	0-15	15-29+
	14	0-19	19-38+
Transect 413	1	0-18	18-37+
	2	0-17	17-33+
	3	0-17	17-38+
	4	0-15	15-39+
	5	0-16	16-36+
	6	0-16	16-40+
	7	0-16	16-36+
	8	0-14	14-37+
	9	0-16	16-40+
	10	0-15	15-38+
Transect 414	1	0-14	14-35+
	2	0-15	15-37+
	3	0-17	17-35+
	4	0-15	15-38+
	5	0-16	16-46+
	6	0-13	13-42+
	7	0-16	16-40+
Transect 415	1	0-16	16-37+
	2	0-17	17-34+
	3	0-18	18-37+
	4	0-16	16-32+
Transect 416	1	0-16	16-42+
	2	0-14	14-40+
	3	0-18	18-47+
	4	0-16	16-38+
	5	0-15	15-35+
Transect 417	1	0-19	19-43+
	2	0-12	12-39+
Transect 418	1	0-19	19-47+
	2	0-23	23-41+
	3	0-22	22-45+
Transect 419	1	0-17	17-45+
	2	0-17	17-36+
	3	0-16	16-45+
Transect 420	1	0-18	18-39+
	2	0-17	17-35+
		0-14	14-35+
Transect 421	1		
	2	0-16	16-41+
	3	0-17	17-42+
		0-16	16-43+
Transect 422			
	1	0-13	13-34+
	2	0-16	16-37+
	3	0-17	17-29+
	4	0-15	15-39+
	5	0-15	15-33+
	6	0-15	15-36+

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	7	0-17	17-30+				
	8	0-15	15-35+				
	9	0-16	16-38+				
	10	0-16	16-38+				
	11	0-18	18-40+				
	12	0-14	14-35+				
	13	0-14	14-38+				
	14	0-15	15-38+				
	15	0-16	16-38+				
	16	0-14	14-40+				
	17	0-15	15-36+				
Transect 423	1	0-14	14-47+		Water @ 20cm		
	2	0-16	16-43+		Water @ 20cm		
	3	0-14	14-38+		Water @ 23cm		
	4	0-16	16-30+		Water @ 21cm		
	5	0-15	15-33+		Water @ 20cm		
Transect 424	1	0-15	15-35+		Water @ 19cm		
	2	0-16	16-41+		Water @ 20cm		
	3	0-16	16-42+		Water @ 20cm		
Transect 500		10YR 3/3	7.5YR 4/6				
		1	2				
		A	B	C	Artifacts/Comments	Modern Debris/Discarded	
Transect 500	1	0-25	25-38+				
	2	0-23	23-40+				
	3	0-22	22-39+				
Transect 501	1	0-26	26-46+				
	2	0-23	23-41+				
	3	0-22	22-40+				
	4	0-20	20-38+				
	5	0-23	23-42+				
	6	0-22	22-42+				
	7	0-23	23-39+				
	8	0-21	21-38+				
	9	0-21	21-42+				
Transect 502	1	0-20	20-42+				
	2	0-21	21-36+				
	3	0-22	22-42+				
	4	0-24	24-43+				
	5	0-23	23-41+				
	6	0-23	23-44+				
Site A08302.000211	7	0-22	22-40+		Flake in A		
	7a	0-23	23-36+				

Soil Description

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Carriage Hill Estates, Rensselaer County, New York LA#106/117
Landmark Archaeology, Inc.

	7b	0-22	22-41+	
Site A08302.000211	7c	0-24	24-40+	flaked quartzite
	7d	0-21	21-38+	
	8	0-20	20-41+	
	9	0-24	24-42+	
	10	0-22	22-38+	
	11	0-24	24-36+	
	12	0-21	21-41+	
	13	0-23	23-43+	
	14	0-23	23-36+	
	15	0-21	21-37+	
	16	0-21	21-38+	
	17	0-23	23-33+	
Transect 503	1	0-20	20-35+	
	2	0-21	21-39+	
	3	0-21	21-36+	
	4	0-23	23-42+	
	5	0-21	21-40+	
	6	0-21	21-35+	
	7	0-24	24-38+	
	8	0-20	20-39+	
	9	0-25	25-33+	
	10	0-25	25-41+	
	11	0-23	23-31+	
	12	0-21	21-40+	
	13	0-22	22-41+	
Transect 504	1	0-21	21-42+	
	2	0-21	21-35+	
	3	0-19	19-39+	
	4	0-23	23-35+	
	5	0-21	21-41+	
	6	0-22	22-41+	
	7	0-21	21-40+	
	8	0-24	24-39+	
Transect 505	1	0-20	20-35+	
	2	0-25	25-41+	
	3	0-18	18-42+	
	4	0-23	23-36+	
	5	0-21	21-41+	
	6	0-22	22-35+	
	7	0-19	19-40+	
Transect 506	1	0-20	20-38+	
	2	0-17	17-43+	
	3	0-25	25-42+	
	4	0-26	26-34+	
	5	0-23	23-42+	
	6	0-21	21-36+	
Transect 507	1	0-23	23-39+	
	2	0-24	24-40+	
	3	0-19	19-40+	
	4	0-23	23-37+	
Transect 508	1	0-21	21-39+	
	2	0-20	20-40+	
	3	0-21	21-42+	
Transect 509	1	0-19	19-46+	
	2	0-21	21-43+	
	3	0-23	23-36+	
		0-21	21-42+	
Transect 510	1	0-21	21-35+	
	2	0-22	22-48+	
	3	0-19	19-39+	
	4	0-21	21-33+	
	5	0-22	22-42+	
Transect 511	1	0-23	23-45+	
	2	0-22	22-42+	
	3	0-20	20-44+	

Carriage Hill Estates, Rensselaer County, New York LA#106/117
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	4	0-20	20-38+			
	5	0-23	23-44+			
Transect 512	1	0-23	23-41+			
	2	0-21	21-41+			
	3	0-21	21-42+			
	4	0-21	21-40+			
	5	0-22	22-40+			
	6	0-21	21-38+			
	7	0-23	23-42+			
	8	0-26	26-45+			
	9	0-23	23-40+			
Transect 513	1	0-23	23-38+			
	2	0-20	20-39+			
	3	0-25	25-33+			
Transect 514	1	0-22	22-34+			
	2	0-20	20-39+			
	3	0-21	21-36+			
	4	0-25	25-41+			
Transect 600		10YR 3/4	10YR 5/6			
		1	1			
		A	B	C	Artifacts/Comments	Modern Debris/Discarded
Transect 600	1	0-22	22-46+			
	2	0-21	21-39+			
	3	0-23	23-44+			
	4	0-20	20-41+			
	5	0-21	21-43+			
	6	0-19	19-40+			
	7	0-23	23-41+			
	8	0-21	21-42+			
	9	0-21	21-35+			
	10	0-23	23-36+			
	11	0-20	20-40+			
	12	0-24	24-33+			
	13	0-25	25-41+			
Transect 601	1	0-21	21-46+			
Site A06302.000216	2	0-22	22-41+		Flake in A	
	2a	0-26	26-40+			
Site A06302.000216	2b	0-25	25-39+		Flake in A	
	2c	0-27	27-42+			
	2d	0-29	29-44+			
	3	0-20	20-40+			
	4	0-21	21-43+			
	5	0-23	23-44+			
	6	0-23	23-47+			
	7	0-20	20-41+			
Transect 602	1	0-21	21-44+			
	2	0-26	26-42+			
	3	0-22	22-41+			
	4	0-27	27-43+			
	5	0-29	29-39+			
Site A06302.000216	6	0-25	25-40+		Flake in A	
	6a	0-27	27-43+			
	6b	0-25	25-41+			
	6c	0-23	23-36+			
Site A06302.000216	6d	0-27	27-38+		Flake in A	
	7	0-25	25-39+			
	8	0-26	26-40+			
Transect 603	1	0-23	23-38+			
	2	0-21	21-36+			
	3	0-22	22-35+			
	4	0-20	20-34+			
	5	0-18	18-38+			
	6	0-21	21-44+			
	7	0-20	20-39+			
	8	0-26	26-35+			

Soil Description
1 Gravelly Silt Loam
2 Gravelly Loam
3 Very Shaley Silt Loam
4 Very Shaley Loam
5 Bedded Shale
6 Silt Loam

Carriage Hill Estates, Rensselaer County, New York LA#106/117
Landmark Archaeology, Inc.

Transect 604	1	0-20	20-41+
	2	0-21	21-39+
	3	0-19	19-40+
	4	0-23	23-41+
	5	0-21	21-42+
	6	0-21	21-37+
	7	0-23	23-38+
	8	0-20	20-40+
Transect 605	1	0-25	25-40+
	2	0-23	23-38+
	3	0-21	21-46+
	4	0-22	22-41+
	5	0-17	17-40+
	6	0-18	18-43+
	7	0-23	23-44+
	8	0-21	21-46+
	9	0-21	21-43+
Transect 606	1	0-18	18-41+
	2	0-21	21-46+
	3	0-19	19-43+
	4	0-23	23-41+
	5	0-21	21-45+
	6	0-24	24-35+
	7	0-21	21-38+
	8	0-23	23-44+
Transect 607	1	0-24	24-41+
	2	0-23	23-44+
	3	0-21	21-41+
	4	0-17	17-41+
	5	0-18	18-40+
	6	0-19	19-43+
	7	0-20	20-44+
	8	0-23	23-38+
Transect 608	1	0-21	21-43+
	2	0-23	23-38+
	3	0-21	21-41+
	4	0-21	21-36+
	5	0-22	22-48+
	6	0-19	19-39+
	7	0-21	21-33+
Transect 609	1	0-21	21-43+
	2	0-18	18-38+
	3	0-21	21-42+
	4	0-21	21-36+
	5	0-19	19-46+
	6	0-19	19-44+
	7	0-21	21-38+
	8	0-22	22-42+
Transect 610	1	0-20	20-38+
	2	0-21	21-44+
	3	0-21	21-37+
	4	0-19	19-42+
	5	0-20	20-44+
	6	0-21	21-36+
	7	0-21	21-35+
	8	0-20	20-39+
	9	0-21	21-33+
Transect 611	1	0-14	14-41+
	2	0-15	15-35+
	3	0-18	18-33+
	4	0-14	14-35+
	5	0-17	17-36+
Transect 612	1	0-17	17-42+
	2	0-18	18-43+
	3	0-14	14-42+
	4	0-15	15-35+
	5	0-17	17-42+
	6	0-16	16-43+
	7	0-15	15-39+

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Transect 613	1	0-16	16-42+
	2	0-14	14-40+
	3	0-15	15-37+
	4	0-17	17-44+
	5	0-16	16-39+

		10YR 3/4	10YR 5/6			
		1	2			
		A	B	C	Artifacts/Comments	Modern Debris/Discarded
Transect 700	1	0-23	23-38+			
	2	0-23	23-41+			
	3	0-25	25-46+			
	4	0-23	23-38+			
	5	0-21	21-33+			
Transect 701	1	0-23	23-34+			
	2	0-24	24-38+			
	3	0-25	25-41+			
	4	0-22	22-42+			
	5	0-20	20-42+			
Transect 702	1	0-21	21-43+			
	2	0-23	23-31+			
	3	0-24	24-29+			
	4	0-25	25-35+			
	5	0-25	25-40+			
	6	0-20	20-35+			
	7	0-25	25-34+			
	8	0-22	22-49+			
	9	0-23	23-39+			
	10	0-21	21-36+			
	11	0-23	23-41+			
Transect 703	1	0-24	24-39+			
	2	0-23	23-37+			
	3	0-21	21-35+			
	4	0-22	22-44+			
Transect 704	1	0-20	20-41+			
	2	0-22	22-40+			
	3	0-26	26-40+			
	4	0-24	24-42+			
	5	0-17	17-35+			
	6	0-21	21-38+			
	7	0-22	22-36+			
	8	0-24	24-46+			
	9	0-24	24-44+			
	10	0-22	22-44+			
		0-24	24-35+			
Transect 705	1	0-21	21-37+			
	2	0-23	23-35+			
	3	0-25	25-38+			
Transect 706	1	0-22	22-45+			
	2	0-21	21-36+			
	3	0-23	23-39+			
	4	0-20	20-31+			
	5	0-24	24-34+			
	6	0-25	25-35+			
	7	0-23	23-37+			
	8	0-18	18-46+			
	9	0-19	19-41+			
	10	0-17	17-36+			
	11	0-18	18-33+			
Transect 707	1	0-21	21-39+			
	2	0-21	21-40+			
	3	0-23	23-38+			
	4	0-20	20-41+			
	5	0-21	21-41+			
	6	0-19	19-42+			
	7	0-23	23-41+			

Soil Description

1 Gravelly Silt Loam
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	8	0-18	18-45+	
	9	0-23	23-35+	
	10	0-21	21-38+	
	11	0-23	23-39+	
	12	0-23	23-35+	
	13	0-24	24-37+	
Transect 708	1	0-24	24-40+	
	2	0-23	23-38+	
	3	0-24	24-38+	
	4	0-21	21-35+	
	5	0-21	21-35+	
	6	0-23	23-39+	
	7	0-24	24-37+	
	8	0-21	21-40+	
	9	0-21	21-34+	
	10	0-27	27-33+	
	11	0-25	25-33+	
	12	0-24	24-38+	
Transect 709	1	0-22	22-34+	
	2	0-21	21-33+	
	3	0-21	21-35+	
	4	0-24	24-35+	
	5	0-22	22-31+	
	6	0-23	23-33+	
	7	0-25	25-35+	
	8	0-23	23-39+	
Transect 710	1	0-23	23-40+	
	2	0-23	23-31+	
	3	0-22	22-36+	
	4	0-20	20-36+	
Transect 711	1	0-24	24-41+	
	2	0-23	23-38+	
Transect 712	1	0-20	20-30+	
	2	0-27	27-38+	
	3	0-25	25-41+	chrome in A
	4	0-20	20-39+	plastic, tin in A
	5	0-24	24-42+	
	6	0-19	19-39+	
	7	0-23	23-37+	
	8	0-23	23-36+	
	9	0-26	26-37+	
	10	0-20	20-34+	
Transect 713	1	0-21	21-35+	
	2	0-20	20-39+	bolt in A
	3	0-24	24-34+	windshield glass in A
	4	0-23	23-39+	plastic in A
	5	0-20	20-38+	
	6	0-22	22-36+	
	7	0-25	25-35+	
	8	0-23	23-37+	
	9	0-21	21-38+	
	10	0-22	22-39+	
	11	0-24	24-39+	
Transect 714	1	0-23	23-41+	windshield glass, plastic in A
	2	0-21	21-40+	screw in A
	3	0-24	24-35+	rubber in A
	4	0-22	22-38+	metal in A
	5	0-23	23-36+	
	6	0-23	23-37+	
	7	0-25	25-35+	
	8	0-20	20-36+	
	9	0-21	21-37+	
	10	0-24	24-42+	
Transect 715	1	0-23	23-45+	
	2	0-24	24-42+	
	3	0-22	22-39+	
	4	0-25	25-38+	
Transect 716	1	0-24	24-40+	
	2	0-24	24-36+	

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	3	0-21	21-38+				
	4	0-23	23-37+				
	5	0-21	21-39+				
Transect 717	1	0-24	24-39+				
	2	0-22	22-41+				
	3	0-19	19-35+				
	4	0-21	21-39+				
Transect 718	1	0-23	23-42+				
	2	0-19	19-32+				
	3	0-20	20-34+				
Transect 719	1	0-21	21-35+				
	2	0-21	21-33+				
	3	0-25	25-34+				
Transect 720	1	0-25	25-45+				
	2	0-24	24-40+				
	3	0-24	24-35+				
	4	0-25	25-35+				
Transect 721	1	0-24	24-41+				
	2	0-23	23-40+				
	3	0-21	21-34+				
	4	0-20	20-38+				
	5	0-21	21-39+				
	6	0-22	22-37+				
Transect 722	1	0-24	24-43+				
	2	0-23	23-39+				
	3	0-21	21-36+				
	4	0-24	24-35+				
Transect 800		10YR 3/3-3/4	10YR 5/6				
		1	2				
		A	B	C	Artifacts/Comments	Modern Debris/Discarded	
Transect 800	1	0-23	23-40+				
	2	0-20	20-35+				
	3	0-24	24-36+				
	4	0-24	24-39+				
	5	0-25	25-39+				
Transect 801	1	0-24	24-35+				
	2	0-23	23-34+				
	3	0-21	21-35+				
	4	0-22	22-35+				
	5						
Transect 802	1	0-22	22-39+				
	2	0-24	24-35+				
	3	0-24	24-39+				
	4	0-23	23-38+				
Transect 803	1	0-24	24-35+				
	2	0-23	23-36+				
Transect 804	1	0-23	23-39		Fill/ 2glass frags in level 1		
Site A08302.000212	1A	0-20	20-40		Fill/ 2 glass frags in level 1		
Site A08302.000212	1B	0-19	19-38		Fill/rusted metal object, nail, whiteware in level 1		
Site A08302.000212	1C	0-22	22-42		Fill		
Site A08302.000212	1D	0-20	20-39		Fill		
	2	0-24	24-40+				
	3	0-23	23-38+		5 meter intervals		
	4	0-22	22-36+		5 meter intervals		
	5	0-23	23-39		Fill/5 meter intervals		
	6	0-20	20-40+		5 meter intervals		
	7	0-18	18-37		Fill/5 meter intervals		

Soil Description

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Landmark Archaeology, Inc.

Transect 805	1	0-25	25-38+				
	2	0-24	24-33+				
	3	0-25	25-42+				
	4	0-24	24-40+				
Transect 806	1	0-23	23-40+				
	2	0-22	22-40+				
	3	0-23	23-38+				
	4	0-24	24-35+				
	5	0-24	24-38+				
	6	0-24	24-34+				
Transect 807	1	0-25	25-39+				
	2	0-20	20-37+				
	3	0-25	25-33+				
Transect 808	1	0-24	24-34+				
	2	0-21	21-42+				
	3	0-24	24-37+				
	4	0-23	23-39+				
	5	0-23	23-35+				
	6	0-25	25-35+				
	7	0-26	26-34+				
Transect 809	1	0-23	23-39+				
	2	0-24	24-35+				
Transect 900		10YR 3/2	10YR 5/4				
		1	1				
		A	B	C	Artifacts/Comments	Modern Debris/Discarded	
Transect 900	1	0-24	24-37+				
	2	0-23	23-35+				
	3						
Transect 901	1	0-20	20-36+				
	2	0-24	24-37+				
	3	0-23	23-34+				
	4	0-23	23-38+				
	5	0-22	22-36+				
Transect 902	1	0-23	23-34+				
	2	0-21	21-35+				
	3	0-22	22-35+				
	4	0-22	22-30+				
	5	0-23	23-34+				
	6	0-23	23-37+				
Transect 903	1	0-23	23-36+				
	2	0-25	25-33+				
	3	0-23	23-39+				

Soil Description

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Landmark Archaeology, Inc.

Transect 904	1	0-23	23-39+
	2	0-20	20-36+
	3	0-24	24-37+
	4	0-24	24-39+
Transect 905	1	0-23	23-38+
	2	0-24	24-35+
	3	0-23	23-37+
Transect 906	1	0-22	22-35+
	2	0-20	20-36+
Transect 907	1	0-23	23-31+
	2	0-20	20-32+
Transect 908	1	0-24	24-35+
	2	0-23	23-32+
	3	0-21	21-34+
	4	0-22	22-35+
	5	0-22	22-39+
	6	0-23	23-34+
	7	0-24	24-39+
	8	0-22	22-38+
Transect 909	1	0-24	24-35+
	2	0-23	23-36+
	3	0-21	21-36+
	4	0-21	21-37+
Transect 910	1	0-26	26-38+
	2	0-23	23-36+
	3	0-23	21-39+
	4		
		0-26	26-41+
Transect 911	1	0-24	24-40+
	2	0-23	23-37+
	3	0-21	21-34+
	4	0-22	22-40+
	5	0-23	23-40+
	6	0-23	23-41+
	7		
Transect 912	1	0-25	25-35+
	2	0-23	23-36+
	3	0-21	21-36+
	4	0-22	22-39+
	5	0-26	26-38+
	6	0-23	23-36+
	7	0-23	23-36+
	8	0-24	24-37+
Transect 913	1	0-23	23-35+
	2	0-24	24-31+
	3	0-21	21-32+
	4	0-22	22-39+
	5	0-22	22-34+
	6	0-23	23-35+
	7	0-20	20-33+
	8	0-21	21-39+
	9	0-21	21-34+
	10	0-24	24-37+
Transect 914	1	0-22	22-36+
	2	0-24	24-38+
	3	0-20	20-33+
	4	0-22	22-39+
	5	0-25	25-36+
Transect 915	1	0-23	23-34+
	2	0-22	22-40+
	3	0-24	24-35+
	4	0-22	22-36+
	5	0-22	22-38+
	6	0-22	22-32+

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Transect 916	1	0-21	21-40+			
	2	0-24	24-42+			
	3	0-23	23-39+			
	4	0-24	24-38+			
	5	0-25	25-39+			
	6	0-20	20-40+			
		0-23	23-42+			
Transect 917	1	0-25	25-41+			
	2	0-23	23-38+			
	3	0-21	21-35+			
	4	0-22	22-+37			
	5	0-24	24-39+			
Transect 918	1	0-24	24-35+			
	2	0-23	23-40+			
	3	0-24	24-35+			
	4	0-22	22-35+			
	5	0-20	20-34+			
Transect 919	1	0-23	23-37+			
	2	0-24	24-35+			
	3	0-24	24-37+			
	4	0-23	23-33+			
	5	0-24	24-39+			
Transect 920	1	0-23	23-35+			
	2	0-21	21-38+			
		0-24	24-39+			
Transect 921	1	0-22	22-35+			
	2	0-21	21-38+			
Transect 922	1	0-21	21-35+			
	2	0-23	23-35+			
	3	0-23	23-37+			
	4	0-24	24-33+			
Transect 1000	1	0-20	20-50+			plastic, nail in A
	2	0-26	26-49+			plastic bottle cap in A
	3	0-24	24-43+			
	4	0-20	20-44+			
	5	0-25	25-45+			
	6	0-31	31-54+			
	7	0-27	27-40+			
	8	0-23	23-43+			
	9	0-27	27-40+			
	10	0-23	23-39+			
	11	0-22	22-32+			
Transect 1001	1	0-23	23-38+			
	2	0-26	26-40+			
	3	0-25	25-38+			

Phase II

		10YR 3/4	10YR 5/6			
		1	2			
		A	B	C	Artifacts/Comments	Modern Debris/Discarded
Site A08302.000209	STP #					
Transect 1	1	0-24	24-40+			
	2	0-27	27-37+			
	3	0-26	26-36+			
	4	0-26	26-37+			
	5	0-26	26-49+			
	6	0-28	28-38+			
	7	0-27	27-35+			
	8	0-26	26-35+			
	9	0-24	24-39+			
	10	0-27	27-38+			
	11	0-26	26-40+			
	12	0-26	26-36+			
	13	0-22	22-38+			
	14	0-28	28-39+			

Soil Description

1	Gravelly Silt Loam
2	Gravelly Loam
3	Very Shaley Silt Loam
4	Very Shaley Loam
5	Bedded Shale
6	Silt Loam

	S1	0-24	24-35+			tin, glass in A
	S2	0-29	29-40+			
	S3	0-16	16-29+			
	S4	0-19	19-32+			

Site A06302.000211

		10YR 3/3	7.5YR 4/6			
		1	2			
		A	B	C	Artifacts/Comments	Modern Debris/Discarded
W15	N0	0-25	25-39+			
W10	N0	0-21	21-34+			
W5	S5	0-23	23-37+			
W5	N0	0-21	21-39+			
W5	N5	0-23	23-36+			
E0	S10	0-24	24-34+			
E0	S5	0-25	25-38+			
E0	N5	0-25	25-35+			
E0	N10	0-25	25-40+			
E5	S5	0-24	24-38+			
E5	N0	0-24	24-35+			
E5	N5	0-23	23-34+			
E10	N0	0-24	24-40+			
E15	N0	0-25	25-39+			

Soil Description
1 Gravelly Silt Loam
2 Gravelly Loam
3 Very Shaley Silt Loam
4 Very Shaley Loam
5 Bedded Shale
6 Silt Loam

Site A06302.000212

		10YR 3/3-3/4	10YR 5/6			
		1	2			
		A	B	C	Artifacts/Comments	Modern Debris/Discarded
W10	S10	0-20	20-31+			
W10	S5	0-26	26-36+			
W10	N0	0-25	25-35+			
W10	N5	0-25	25-41+			
W10	N10	0-24	24-34+			
W5	S10	0-29	29-37+			
W5	S5	0-23	23-35+			
W5	N0	0-23	23-39+			
W5	N5	0-33	33-44+			
W5	N10	0-5			Impasse, rock wall rubble	
W5	N15	0-15			Impasse, rock wall rubble	
E0	S10	0-31			Impasse, rock wall rubble	
E0	S5	0-30	30-40+		Fill	
E0	N5	0-40	40-47		Fill	
E0	N10	0-20	20-40		Fill	
E0	N15	0-25	25-30+			
E5	S10	0-25	25-41			
E5	S5	24	24-38		Large rock @ 35cm	
E5	N0	0-36	36-46+			
E5	N5	0-13	13-40	40-53		
E5	N10	0-29	29-40+			
E5	N15	0-30	30-42+			
E10	S10	0-34	34-45+			
E10	S5	29	29-42+			
E10	N0	0-28	28-38+			
E10	N5	0-30	30-42+			
E10	N10	0-37	37-52+			

Soil Description
1 Gravelly Silt Loam
2 Gravelly Loam
3 Very Shaley Silt Loam
4 Very Shaley Loam
5 Bedded Shale
6 Silt Loam

Site A06302.000213

Transect 1	1	0-24	24-34+	artifacts in level 1
	2	0-19	19-37+	artifacts in level 1
	3	0-13	13-33+	artifacts in level 1
	4	0-13	13-30+	artifacts in level 1
	5	0-25	25-40+	artifacts in level 1
	6	0-16	16-32+	artifacts in level 1
	7	0-20	20-37+	artifacts in level 2

Carriage Hill Estates, Rensselaer County, New York LA#106/117
Landmark Archaeology, Inc.

Transect 2	1	0-23	23-38+			
	2	0-32	32-44+			
	3	0-24	24-39+			
	4	0-25	25-39+			
	5	0-25	25-39+			
	6	0-26	26-41+			
	7	0-27	27-42+			
	8	0-22	22-40+			
	9	0-26	26-37+			
Transect 3	1	0-26	26-41+			
	2	0-20	20-45+			
	3	0-24	24-39+			
	4	0-22	22-40+			
	5	0-23	23-39+			
	6	0-26	26-38+			
	7	0-25	25-39+			
	8	0-26	26-43+			
Transect 4	1	0-19	19-30+			
	2	0-19	19-31+			
	3	0-16	16-31+			
	4	0-21	21-31+			
	5	0-16	16-39+			
	6	0-19	19-30+			
	7	0-25	25-36+			
	8	0-24	24-30		root impasse	
	9	0-25	25-38+			
Transect 5	1	0-24	24-38+			
	2	0-18	18-34+			
Site A08302.000210		10YR 3/4	10YR 5/6			
		1	2			
		A	B	C	Artifacts/Comments	Modern Debris/Discarded
W15	N0	0-26	26-39+			
W15	N5	0-24	24-38+			
W10	N0	0-25	25-39+			
W5	S10	0-26	26-39+			
W5	S5	0-25	25-38+			
W5	S2.5	0-24	24-37+			
W5	N0	0-26	26-36+			windshield glass in A
W5	N2.5	0-24	24-37+			tin in A
W5	N5	0-26	26-38+			chrome fragment in A
W5	N10	0-29	29-39+			windshield glass in A
W5	N15	0-27	27-41+			
W5	N20	0-22	22-40+			
W2.5	S5	0-29	29-39+			rubber, plastic in A
W2.5	S2.5	0--24	24-39+			
W2.5	N0	0-23	23-39+			
W2.5	N2.5	0-22	22-39+			windshield glass in A
E0	S25	0-27	27-37+			
E0	S20	0-25	25-36+			
E0	S15	0-24	24-38+			
E0	S10	0-25	25-35+			
E0	S5	0-22	22-35+			rubber in A
E0	S2.5	0-21	21-39+			
E0	N5	0-24	24-36+			
E0	N10	0-26	26-35+			sheet metal in A
E0	N15	0-28	28-42+			
E0	N20	0-28	28-39+			
E2.5	S5	0-27	27-33+			
E2.5	S2.5	0-26	26-34+			
E2.5	N0	0-23	23-34+			
E2.5	N2.5	0-25	25-37+			rubber, nail in A
E5	S5	0-26	26-38+			
E5	S2.5	0-25	25-38+			
E5	N0	0-22	22-35+			
E5	N2.5	0-26	26-39+			
E5	N5	0-24	24-38+			
E5	N10	0-23	23-37+			tin, plastic in A
E5	N15	0-26	26-39+			

Soil Description

1 Gravelly Silt Loam
2 Gravelly Loam
3 Very Shaley Silt Loam
4 Very Shaley Loam
5 Bedded Shale
6 Silt Loam

Carriage Hill Estates, Rensselaer County, New York LA#106/117
Landmark Archaeology, Inc.

	4	0-20	20-32+		
	5	0-22	22-34+		
	6	0-22	22-32+		
	7	0-25	25-39+		
Transect 12	1	0-19	19-29+		ATV road
	2	0-17	17-31+		ATV road
	3	0-20	20-34+		ATV road
	4	0-16	16-35+		
Transect 13	1	0-29			rubble/impasse @ 29cm
	2	0-28	28-39+		nail @ 20cm
	3	0-16	16-37+		
	4	0-27	27-38+		
	5	0-21	21-38+		
	6	0-24	24-35+		
	7				
Transect 14	1	0-20	20-29+		
	2	0-28	28-38+		ceramic @ 0-10cm.
	3	0-25	25-36+		
	4	0-26	26-36+		
	5	0-34	34-38+		
	6	0-30	30-40+		
Transect 15	1	0-30	30-40+		nails @ 0-20cm.
	2	0-28	28-47+		
	3	0-34	34-44+		
	4	0-27	27-38+		
	5	0-23	23-35+		
Transect 16	1	0-26	26-38		
	2	0-34	34-44+		
	3	0-22	22-35+		
	4	0-21	21-32		
	5	0-30	30-40+		
Transect 17	1	0-23	23-40+		
	2	0-24	24-35+		
	3	0-25	25-36+		
	4	0-23	23-35+		
	5				
Transect 18	1	0-32	32-45+		
	2	0-26	26-40+		
	3	0-22	22-32+		
	4	0-28	28-34+		
Transect 19	1	0-17	17-29+		
	2	0-30	30-45+		rock impasse
	3	0-33	33-43+		
	4	0-18	18-30+		
	5	0-24	24-43+		
Transect 20	1	0-26	26-36+		
	2	0-19	19-30+		
	3	0-34	34-44+		
	4	0-24	24-37+		
S1		0-50			glass/ceramic/shell in undifferentiatedrubble fill

Site A08302.000214

		10 YR 3/2	10YR5/3				
		1	4				
		A	B	C	Artifacts/Comments	Modern Debris/Discarded	
Transect 1	1	0-17	17-35+				
	2	0-19	19-38+				
	3	0-21	21-39+				
	4	0-12	12-23+		in road, 12-23 gravel		
	5	0-24	24-35+				
	6	0-25	25-37+				
	7	0-26	26-40+				
	8	0-24	24-36+				

Soil Description

1 Gravelly Silt Loam
2 Gravelly Loam
3 Very Shaley Silt Loam
4 Very Shaley Loam
5 Bedded Shale
6 Silt Loam

Carriage Hill Estates, Rensselaer County, New York LA#106/117
Landmark Archaeology, Inc.

Transect 2	1	0-19	19-36+		artifacts in level 1
	2	0-24	24-42+		artifacts in level 1
	3	0-13	13-30+		artifacts in level 1
	4	0-19	19-31+		artifacts in level 1
	5	0-16	16-34+		artifacts in level 1
	6	0-32	32-35+		artifacts in level 1
	7	0-19	19-29+		artifacts in level 1
Transect 3	1	0-14	14-32+		artifacts in level 1
	2	0-28	28-40+		artifacts in level 1
	3	0-39	39-49+		
	4	0-19	19-30+		artifacts in level 1
	5	0-30	30-48+		
Transect 4	1	0-16	16-32	32-41+	
	2	0-24	24-35+		artifacts in level 1
	3	0-28	28-40+		artifacts in level 1
	4	0-16	16-26+		artifacts in level 1
	5	0-29	29-39+		artifacts in level 1
	6	0-29	29-46	46-51+	artifacts in level 1
	7	0-23	23-38		
	8	0-20	20-40		
Transect 5	1	0-25	25-35+		artifacts in level 1
	2	0-24	24-35+		artifacts in level 1
	3	0-28	28-38+		artifacts in level 1
	4	0-30	30-41+		
	5	0-30	30-47+		
	6	0-33	33-43+		
	7	0-30	30-40+		
	8	0-31	31-40+		
	9	0-25	25-35+		
	10	0-27	27-57+		
	11	0-20	20-30+		
	12	0-21	21-34+		
	13	0-24	24-39+		
Transect 6	1	0-21	21-40+		
	2	0-19	19-43+		
	3	0-25	25-41+		
	4	0-24	24-33+		
Transect 7	1	0-24	24-37+		
	2	0-23	23-40+		
	3	0-22	22-43+		
	4	0-25	25-43+		
	5	0-25	25-45+		
	6	0-23	23-37+		
	7	0-29	29-46+		
	8	0-24	24-46+		
Transect 8	1	0-20	20-36+		
	2	0-25	25-42+		
	3	0-26	26-49+		
Transect 8	4	0-23	23-41+		
	5	0-21	21-42+		
	6	0-22	22-45+		
	7	0-23	23-41+		
	8	0-24	24-43+		
Transect 9	1	0-32	32-45+		
	2	0-26	26-40+		
	3	0-22	22-32+		
	4	0-28	28-34+		
	5	0-17	17-29+		
	6	0-30	30-45		rock impasse
Transect 10	1	0-26	26-37+		
	2	0-27	27-42+		
	3	0-21	21-36+		
	4	0-22	22-32+		
	5	0-20	20-34+		
	6	0-24	24-34+		
	7	0-34	34-44+		
	8	0-17	17-35+		
Transect 11	1	0-23	23-36+		
	2	0-21	21-30+		
	3	0-19	19-30+		

Carriage Hill Estates, Rensselaer County, New York LA#106/117
Landmark Archaeology, Inc.

Transect 2	1	0-20	20-38+		
	2	0-22	22-36+		
	3	0-24	24-38+		rubber (tire?) in A
	4	0-21	21-39+		cinder in A
	5	0-24	24-35+		
	6	0-23	23-36+		galvanized nail
	7	0-22	22-41+		
	8	0-13	13-25+	large amount of gravel 0-13	
	9	0-25	25-39+		
Transect 3	1	0-23	23-41+		
	2	0-24	24-36+		
	3	0-25	25-38+		
	4	0-20	20-38+		
	5	0-26	26-36+		glass (windshield)
	6	0-24	24-39+		
	7	0-21	21-34+		
	8	0-20	20-24+	in road, 2-24 gravel	
	9	0-23	23-37+		
	10	0-22	22-40+		
	11	0-20	20-38+		
	12	0-21	21-39+		
Transect 4	1	0-22	22-38+		
	2	0-23	23-41+		galvanized wire nail, glass
	3	0-24	24-39+		
	4	0-24	24-37+		
	5	0-19	19-36+		
	6	0-25	25-40+		plastic
	7	0-24	24-32+		
	8	0-4	4-16+	In road, gravel 4-16	
	9	0-24	24-33+		cinders, plastic
	10	0-21	21-35+		
Transect 5	1	0-23	23-39+		
	2	0-23	23-39+		
	3	0-21	21-40+		
	4	0-20	20-29+	rock impasse	
	5	0-10	10-25+	in road, 10-25 gravel	
	6	0-21	21-38+		
	7	0-20	20-39+		
	8	0-22	22-36+		
	9	0-24	24-39+		
	10	0-25	25-41+		
	11	0-23	23-38+		
Transect 6	1	0-21	21-33+		
	2	0-19	19-29+		
	3	0-18	18-36+		
	4	0-24	24-38+		
	5	0-23	23-38+		
	6	0-24	24-39+		
	7	0-21	21-37+		
Transect 7	1	0-20	20-40+		
	2	0-18	18-35+		
	3	0-23	23-39+		
	4	0-25	25-41+		
	5	0-24	24-38+		
	6	0-23	23-37+		
	7	0-25	25-39+		
	8	0-20	20-33+		
	9	0-8	8-15+	8-15 gravel	
	10	0-18	18-32+		
	11	0-20	20-39+		
	12	0-22	22-36+		

Carriage Hill Estates, Rensselaer County, New York LA#106/117
Landmark Archaeology, Inc.

Site A06302.000215

		10YR 3/4	10YR 5/6			
		1	1			
		A	B	C	Artifacts/Comments	Modern Debris/Discarded
W10	S10	0-27	27-42+			
W10	S5	0-26	26-36+			
W10	N0	0-23	23-34+			
W10	N5	0-25	25-37+			
W10	N10	0-30	30-42+			
W5	S10	0-25	25-35+			
W5	S5	0-34	34-45+			
W5	N0	0-26	26-40+			
W5	N5	0-30	30-43+			
W5	N10	0-26	26-36+			
W5	N15	0-26	26-36+			
W5	N20	0-26	26-44+			
W5	N25	0-22	22-32+			
W5	N30	0-28	28-39+			
E0	S10	0-25	25-44+			
E0	S5	0-23	23-49+			
E0	N5	0-24	24-35+			
E0	N10	0-23	23-38+			
E0	N20	0-32	32-43+			
E0	N25	0-27	27-40+			
E5	S15	0-28	28-41+			
E5	S10	0-30	30-42+			
E5	S5	0-31	31-48+			
E5	N0	0-30	30-40+			
E5	N5	0-29+	29-41+			
E5	N10	0-28	28-36+			
E5	N15	0-29	29-40+			
E5	N20	0-26	26-37+			
E5	N25	0-23	23-30+			
E10	S10	0-28	28-40+			
E10	S5	0-23	23-38+			
E10	N0	0-13	13-39+			
E10	N5	0-24	24-36+			
E10	N10	0-23	23-39+			

Site A06302.000216

W20	N10	0-26	26-36+			
W20	N0	0-23	23-40+			
W15	N10	0-20	20-35+			
W15	N5	0-22	22-36+			
W15	S5	0-26	26-36+			
W15	S10	0-25	25-38+			
W15	S20	0-28	28-40+			
W15	S25	0-33	33-43+			
W15	S30	0-37	37-46+			
W10	N20	0-24	24-40+			
W10	N15	0-28	28-40+			
W10	N10	0-29	29-40			
W10	N5	0-26	26-36+			
W10	N0	0-23	23-34			
W10	S5	0-25	25-35+			
W10	S10	0-28	28-41+			
W10	S15	0-24	24-37+			
W10	S20	0-24	24-33+			
W10	S25	0-29	29-42+			
W10	N0	0-22	22-33+			
W5	N15	0-30	30-46+			
W5	N10	0-23	23-34+			
W5	N5	0-22	22-33+			
W5	N0	0-23	23-35+			
W5	S5	0-22	22-37+			
W5	S10	0-25	25-40+			
W5	S15	0-22	22-35+			
W5	S20	0-25	25-35+			
W5	S25	0-31	31-41+			
E0	N10	0-26	26-37+			
E0	N5	0-23	23-35+			
E0	S5	0-25	25-36+			
E0	S10	0-25	25-36+			
E0	S15	0-26	26-36+			

Soil Description
1 Gravelly Silt Loam
2 Gravelly Loam
3 Very Shaley Silt Loam
4 Very Shaley Loam
5 Bedded Shale
6 Silt Loam

Carriage Hill Estates, Rensselaer County, New York LA#106/117
Landmark Archaeology, Inc.

E0	S20	0-26	26-36+
E0	S25	0-34	34-44+
E5	N10	0-29	29-40+
E5	N5	0-34	34-44+
E5	N0	0-28	28-40+
E5	S5	0-26	26-36+
E5	S10	0-24	24-35+
E10	N10	0-32	32-42+
E10	N5	0-31	31-44+
E10	N0	0-28	28-35+
E10	S5	0-29	29-45+
E10	S10	0-24	24-37+

APPENDIX C

Artifact Analysis

A08302.000209-211, 215, 216
Prehistoric Artifact Inventory

Site	Phase	Cat. #	Transect	STP/ Unit	Level	Depth cm	Biface	Flake Tool Utilized	Flake Tool Retouched	DF	ER	LR	RF	Broken	Shatter	Core	Material Type	FCR #/gm	CT #/gm	Other/Comments
A08302.000209	I	1	205	5	1	0-23						2					NSK			
A08302.000209	I	2	205	5D	1	0-24					1						NSK			
A08302.000209	I	3	205	5B	1	0-23						1					NSK			
A08302.000209	II	5		TU 1	1	0-22					1	2					NSK			
																	NSK			
						TOTALS					2	5								SITE Total=7
A08302.000210	I	1	313	7	1	(0-22)					1									
A08302.000210	I	2	313	7A	1	(0-23)					1				1					
A08302.000210	II	6		TU 1	2	(23-28)	1										NSK			broken point, base and shoulders, Perkiomen Broad style
						TOTALS	1				2				1					SITE Total=4
A08302.000211	I	3	502	7	1	0-22					1						NSK			
A08302.000211	I	4	502	7C	1	0-24											QZTE		1/174.7	chopping Tool
						TOTALS					1								1	SITE Total=2
A08302.000215	I	8	602	6D	1	0-27					1						gray			
A08302.000215	I	9	602	6	1	0-25						1					gray			
A08302.000215	II	21		TU 1	2	<35						1					gray			
						TOTALS					1	2								SITE Total=3
A08302.000216	I	3	601	2	1	0-22								1			gray			
A08302.000216	I	5	601	2B	1	0-25					1						gray			
						TOTALS					1			1						SITE Total=2

NSK-Normanskill Chert
QZTE-Quartzite
CT-Cobble Tool

Site A08302.000212
Artifact Inventory

	Transect	STP	Level	Depth (cm)	Description	Amt.	Weight (grams)	Class	BMD	EMD	Comments
	804	1	1	0-23	clear curved glass	2		glass			
3	804	1A	1	0-20	aqua curved glass	2		glass			
4	804	1B	1	0-19	rusted metal object	1		metal			
4	804	1B	1	0-19	unidentified nail	1		metal			
4	804	1B	1	0-19	whiteware, undecorated	1		ceramic	1820	present	
5		TU1	1	0-10	unidentified nail	1		metal			
5		TU1	1	0-10	barbed wire	1		metal			
6		TU1	2	10-20	machine cut nail	1		metal	1790	1900	
6		TU1	2	10-20	unidentified nail	1		metal			
6		TU1	2	10-20	whiteware, undecorated	1		ceramic	1820	present	
6		TU1	2	10-20	wire nail	1		metal	1870	present	
7		TU1	3	20-30	machine cut nail	1		metal	1790	1900	
7		TU1	3	20-30	rusted metal objects	1		metal			
8		TU1	4	30-40	rusted metal objects	1		metal			
8		TU1	4	30-40	unidentified metal	1		metal			
8		TU1	4	30-40	whiteware, undecorated	1		ceramic	1820	present	2 rim fragments

Site A08302.000213
Artifact Assemblage

Cat #	Transect	STP	Level	Depth (cm)	Description	Amt.	Weight (gm)	Class	BMD	EMD	Comments
5	1	1	1	0-24	clear flat glass	2		glass			
5	1	1	1	0-24	unidentified square nail	2		metal			
5	1	1	1	0-24	machine cut nail	1		metal	1760	1900	
5	1	1	1	0-24	aqua flat glass	2		glass			
5	1	1	1	0-24	aqua curved glass	1		glass			
5	1	1	1	0-24	light blue threaded bottle neck	1		glass			
5	1	1	1	0-24	aqua glass, burned	5		glass			
5	1	1	1	0-24	porcelain rim, undecorated	1		ceramic			
5	1	1	1	0-24	redware, undecorated	3		ceramic	1760	present	
5	1	1	1	0-24	whiteware rim, dark blue glaze	1		ceramic	1820	present	
5	1	1	1	0-24	vertebral segment, large ungulate	1		faunal			
5	1	1	1	0-24	rusted metal object	10		metal			
17	1	2	1	0-19	machine cut nail	6		metal	1760	1900	
17	1	2	1	0-19	rusted metal object	1		metal			
17	1	2	1	0-19	brick fragments	3		other			
17	1	2	1	0-19	aqua flat glass	1		glass			
17	1	2	1	0-19	aqua glass, burned	1		glass			
17	1	2	1	0-19	unidentified nail	1		metal			
17	1	2	1	0-19	unidentified square nail	2		metal			
17	1	2	1	0-19	wire nail	3		metal	1870	present	
27	1	3	1	0-13	rusted metal object	2		metal			
27	1	3	1	0-13	clear flat glass	2		glass			
27	1	3	1	0-13	clear curved glass	1		glass			
27	1	3	1	0-13	aqua flat glass	14		glass			
27	1	3	1	0-13	whiteware, undecorated	1		ceramic	1820	present	
27	1	3	1	0-13	unidentified square nail	1		metal			
10	1	4	1	0-13	brick fragments	15		other			
10	1	4	1	0-13	clear flat glass	7		glass			
10	1	4	1	0-13	aqua flat glass	9		glass			
10	1	4	1	0-13	whiteware, blue transfer printed	1		ceramic	1830	1865	
10	1	4	1	0-13	whiteware, undecorated	1		ceramic	1820	present	
10	1	4	1	0-13	rusted metal object	1		metal			
26	1	5	1	0-25	machine cut nail	1		metal	1760	1900	
26	1	5	1	0-25	brick fragment	1		other			
26	1	5	1	0-25	clear flat glass	1		glass			
26	1	5	1	0-25	aqua blue curved glass, small bottle base or stopper	1		glass			
26	1	5	1	0-25	unidentified nail	1		metal			
7	1	6	1	0-18	clear curved glass, rim	1		glass			
7	1	6	1	0-18	brown bottle glass	1		glass			
7	1	6	1	0-18	brick fragments	12		other			
4	1	7	2	0-20	whiteware, red transfer printed	1		ceramic	1825	1875	
4	1	7	2	0-20	whiteware, undecorated	5		ceramic	1820	present	
4	1	7	2	0-20	unidentified square nail	1		metal			
23	2	1	1	0-19	unidentified nail	1		metal			
9	2	2	1	0-24	shotgun shell, 6mm	1		other			
9	2	2	1	0-24	ironstone, undecorated	1		ceramic	1840	1900	
9	2	2	1	0-24	whiteware, very light blue glaze	1		ceramic	1820	present	
9	2	2	1	0-24	whiteware, undecorated	1		ceramic	1820	present	
9	2	2	1	0-24	rusted metal object	1		metal			
9	2	2	1	0-24	steel grommet	1		metal			
9	2	2	1	0-24	unidentified square nail	2		metal			
16	2	3	1	0-13	unidentified square nail	1		metal			
16	2	3	1	0-13	clear flat glass	1		glass			
16	2	3	1	0-13	rusted metal object	1		metal			
8	2	4	1	0-19	clear flat glass	2		glass			
8	2	4	1	0-19	whiteware, undecorated	1		ceramic	1820	present	
6	2	5	1	0-16	clear curved glass	1		glass			
6	2	5	1	0-16	redware, undecorated	1		ceramic	1760	present	
18	2	6	1	0-32	machine cut nail	2		metal	1760	1900	
18	2	6	1	0-32	aqua flat glass	7		glass			
18	2	6	1	0-32	aqua glass, burned	1		glass			
18	2	6	1	0-32	unidentified nail	1		metal			
18	2	6	1	0-32	unidentified nail	1		metal			
12	2	7	1	0-19	rusted metal object	4		metal			
12	2	7	1	0-19	aqua flat glass	3		glass			
12	2	7	1	0-19	aqua glass, burned	2		glass			
12	2	7	1	0-19	whiteware, undecorated	1		ceramic	1820	present	
12	2	7	1	0-19	machine cut nail	2		metal	1760	1900	
14	3	1	1	0-16	green curved glass	1		glass			
19	3	2	1	0-28	whiteware, undecorated	2		ceramic	1820	present	
19	3	2	1	0-28	clear flat glass	3		glass			
13	3	4	1	0-19	clay pigeon	4		other		modem	
32	4	2	1	0-24	iron spike	3		metal			
32	4	2	1	0-24	rusted metal object	1		metal			

35	4	3	1	0-28	tin fragment	2		metal			
	4	3	1	0-28	brick fragment	2		other			
	4	3	1	0-28	shell fragment	2		faunal			
	4	3	1	0-28	unidentified bone fragment	1		faunal			
35	4	3	1	0-28	stoneware, gray salt glaze outside, brown slip inside	1		ceramic	1820	1900	
35	4	3	1	0-28	whiteware, annular blue	1		ceramic	1820	1900	
35	4	3	1	0-28	whiteware, undecorated	1		ceramic	1820	present	
35	4	3	1	0-28	unidentified square nail	2		metal			
33	4	4	1	0-16	flat metal disk with small hole in center	1		metal			
30	4	5	1	0-29	iron door hinge	1		metal			
30	4	5	1	0-29	rusted metal object	2		metal			
30	4	5	1	0-29	clear flat glass	4		glass			
30	4	5	1	0-29	aqua curved glass, "W", mending pieces	2		glass			
30	4	5	1	0-29	aqua curved glass	2		glass			
30	4	5	1	0-29	aqua curved glass, burnt	1		glass			
30	4	5	1	0-29	aqua glass, one side flat, other slightly curved, "E" embossed on flat side	1		glass			
30	4	5	1	0-29	brick fragment	1		other			
30	4	5	1	0-29	redware, undecorated	1		ceramic	1760	present	
30	4	5	1	0-29	whiteware, undecorated	1		ceramic	1820	present	
30	4	5	1	0-29	iron strap	1		metal			
30	4	5	1	0-29	rusted metal phone, modem	1		metal			
30	4	5	1	0-29	rusted tin object	1		metal			
34	4	6	1	0-29	rusted metal object	3		metal			
20	5	1	1	0-25	unidentified nail	3		metal			
14	5	2	1	0-24	rusted metal object	1		metal			
2	5	3	1	0-28	rusted metal object	1		metal			
23	13	2	1	0-28	unidentified square nail	1		metal			
25	14	2	1	0-28	unidentified square nail	1		metal			
22	15	1	1	0-30	unidentified square nail	1		metal			
22	15	1	1	0-30	rusted metal object	1		metal			
26	S1	51		0-50	whiteware, undecorated	3		ceramic	1820	present	Large Shovel Test in Depression/Impasse @ 50 cm.
26		51		0-50	whiteware, red transfer printed	1		ceramic	1825	1875	
26		51		0-50	amethyst curved glass	2		glass			
26		51		0-50	milk glass	1		glass			
26		51		0-50	brown curved glass	1		glass			
26		51		0-50	clear curved glass rim, scalloped	1		glass			
26		51		0-50	clear flat glass	5		glass			
		51		0-50	clear curved glass, melted	1		glass			
		51		0-50	clear curved glass jar rim screw top with seam	1		glass			
		51		0-50	clear curved glass	1		glass			
		51		0-50	terra cotta flower pot fragments	3		ceramic			
		51		0-50	quahog shell	2		faunal			
26		51		0-50	quahog shell fragment	5		faunal			
26		51		0-50	leather	4	2.3	other			
26		51		0-50	shoe grommets with trace leather	2		metal			
26		51		0-50	square spike	1		metal			
26		51		0-50	barbed wire fragments	2		metal			
26		51		0-50	wire nail, roofing	1		metal	1870	present	
26		51		0-50	rusted metal object	4		metal			
26		51		0-50	unidentified nail	7		metal			
26		51		0-50	unidentified square nail	1		metal			
26		51		0-50	wire nails	19		metal	1870	present	
26		51		0-50	machine cut nail	33		metal	1790	1900	

APPENDIX D

New York State Archaeological Site Inventory Forms

NEW YORK STATE PREHISTORIC ARCHAEOLOGICAL SITE INVENTORY FORM

NYS OFFICE OF PARKS, RECREATION & HISTORIC PRESERVATION
(518) 237-8643

Bernadette Castro
Commissioner

For Office Use Only--Site Identifier A08302.000209

Project Identifier 04PR02662 Date February, 2005

Your Name Derrick Marcucci Phone (518) 861-8283
Address 62642 Hawes Road
Altamont, NY 12009
Organization (if any) Landmark Archaeology, Inc.

1. SITE IDENTIFIER(S) Carriage Hill# 1

2. COUNTY Rensselaer One of the following: CITY
TOWNSHIP Brunswick
INCORPORATED VILLAGE
UNINCORPORATED VILLAGE OR HAMLET

3. PRESENT OWNER
Address United Development Group
80 State Street, 9th Floor
Albany, New York 12207

4. SITE DESCRIPTION (check all appropriate categories):

Site

__Stray Find	__Cave/Rockshelter	__Workshop
__Pictograph	__Quarry	__Mound
__Burial	__Shell Midden	__Village
__Surface Evidence	x Camp	__Material in plow zone
__Material below plow zone	__Buried evidence	__Intact Occupation floor
__Single component	__Evidence of features	__Stratified
	__Multicomponent	

Location

__Under cultivation	X Never cultivated	__Previously cultivated
__Pastureland	__Woodland	__Floodplain
__ Upland		__ Sustaining erosion

Soil Drainage: excellent X good __ fair __ poor
Slope: flat __ gentle __ moderate X steep _
Distance to nearest water from site (approx.) 200 meters south of Poesten Kill
Elevation: 470 ft amsl

5. SITE INVESTIGATION (append additional sheets, if necessary):
Surface--date(s)
x Site map (Submit with form)
__Collection

Subsurface--date(s) November/December 2004
Testing: shovel x coring __ other_____ unit size 30x30cm
no. of units 47 (Submit plan of units with form)
Excavation: unit size 1x1m no. of units 3

Investigator Derrick Marcucci and Jesse Schreyer

Manuscript or published report(s) (reference fully):

Derrick J. Marcucci (2005) *Phase I Archaeological Investigations of Carriage Hill Estates and Phase II Site Evaluations of Archaeological Sites A08302.000209, A08302.000210, A08302.000211, A08302.000212, A08302.000215 and A08302.000216, Town of Brunswick, Rensselaer County, New York LA# 104, 106 and 117*

Present repository of materials

Temporarily curated at Landmark Archaeology, Inc., Altamont, New York

6. COMPONENT(S) (cultural affiliation/dates):

Prehistoric (unknown component)

7. LIST OF MATERIAL REMAINS (be specific as possible in identifying object and material):

Seven Chert Flakes

If historic materials are evident, check here and fill out historic site form

8. MAP REFERENCES

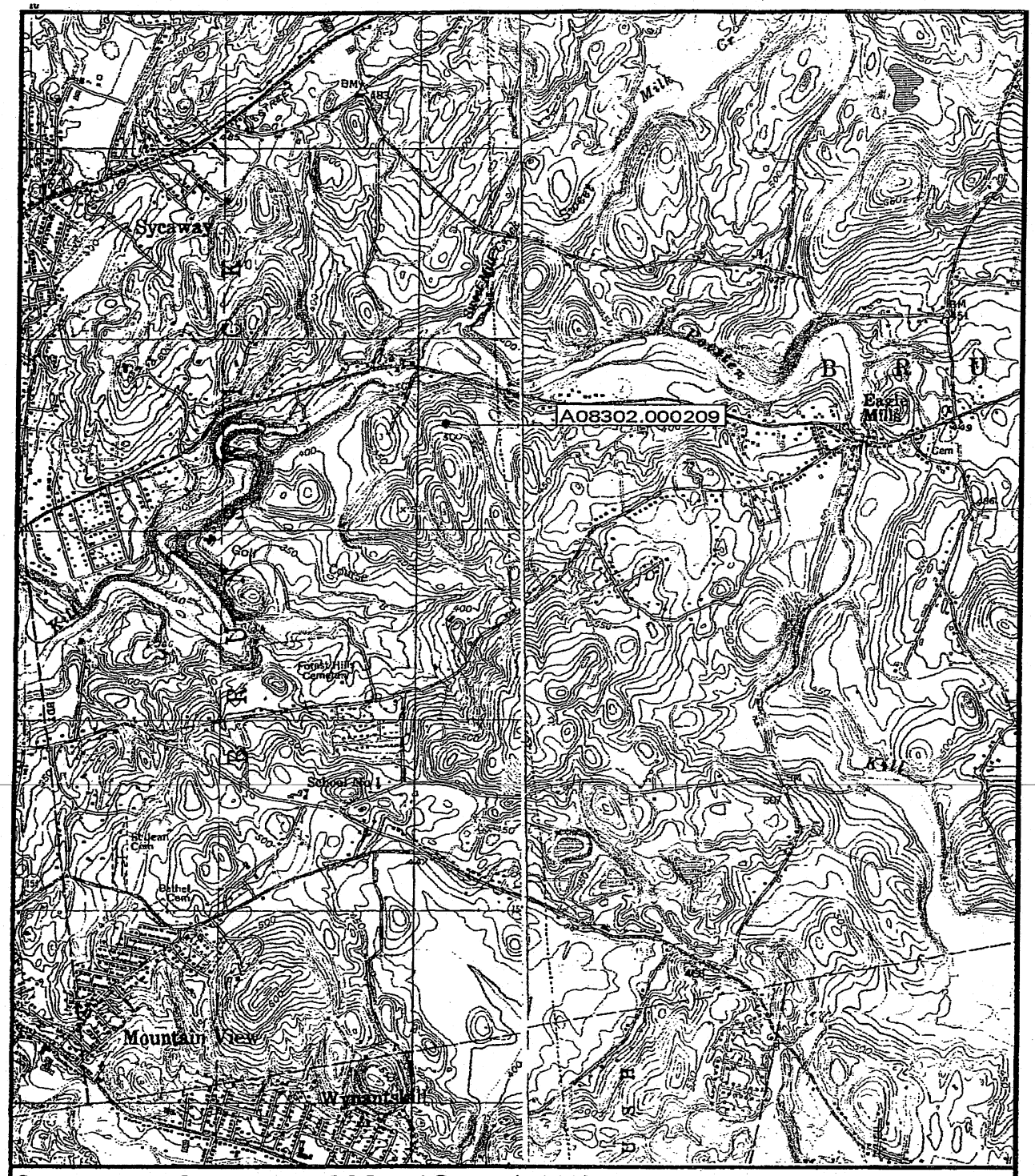
USGS 7.5 Minute Series Quad. Name Troy South, NY (1980)

UTM Coordinates

612159 E
4731566 N

9. Photography

Photographs of site are in technical report



Source: Troy South, NY USGS 15' Series (1980)
Averill Park, NY USGS 15' Series (1980)

0 0.5 1.0

Miles

N

NEW YORK STATE PREHISTORIC ARCHAEOLOGICAL SITE INVENTORY FORM

NYS OFFICE OF PARKS, RECREATION & HISTORIC PRESERVATION
(518) 237-8643

NEW YORK STATE
Bernadette Castro
Commissioner

For Office Use Only--Site Identifier A08302.000210

Project Identifier 04PR02662 Date February, 2005

Your Name Derrick Marcucci Phone (518) 861-8283
Address 62642 Hawes Road
Altamont, NY 12009
Organization (if any) Landmark Archaeology, Inc.

1. SITE IDENTIFIER(S) Carriage Hill# 2

2. COUNTY Rensselaer One of the following: CITY
TOWNSHIP Brunswick
INCORPORATED VILLAGE
UNINCORPORATED VILLAGE OR HAMLET

3. PRESENT OWNER
Address United Development Group
80 State Street, 9th Floor
Albany, New York 12207

4. SITE DESCRIPTION (check all appropriate categories):

Site

__Stray Find	__Cave/Rockshelter	__Workshop
__Pictograph	__Quarry	__Mound
__Burial	__ Shell Midden	__Village
__Surface Evidence	x Camp	__Material in plow zone
__Material below plow zone	__Buried evidence	__Intact Occupation floor
__Single component	__Evidence of features	__Stratified
	__Multicomponent	

Location

__Under cultivation	_X_Never cultivated	__Previously cultivated
__Pastureland	__Woodland	__Floodplain
x_ Upland		__ Sustaining erosion

Soil Drainage: excellent _X_ good __ fair __ poor
Slope: flat __ gentle _X_ moderate __ steep _
Distance to nearest water from site (approx.) 100 meters north of unnamed drainage
Elevation: 465 ft amsl

5. SITE INVESTIGATION (append additional sheets, if necessary):
Surface--date(s)
_x_Site map (Submit with form)
__Collection

Subsurface--date(s) November/December 2004
Testing: shovel x coring __ other_____ unit size 30x30cm
no. of units 47 (Submit plan of units with form)
Excavation: unit size 1x 1 no. of units 2

Investigator Derrick Marcucci and Jesse Schreyer

Manuscript or published report(s) (reference fully):

Derrick J. Marcucci (2005) *Phase I Archaeological Investigations of Carriage Hill Estates and Phase II Site Evaluations of Archaeological Sites A08302.000209, A08302.000210, A08302.000211, A08302.000212, A08302.000215 and A08302.000216, Town of Brunswick, Rensselaer County, New York LA# 104, 106 and 117*

Present repository of materials

Temporarily curated at Landmark Archaeology, Inc., Altamont, New York

6. COMPONENT(S) (cultural affiliation/dates):

Prehistoric. Late Archaic/Early Woodland. Excavations yielded a broken Perkiomen Broad biface.

7. LIST OF MATERIAL REMAINS (be specific as possible in identifying object and material):

Three chert flakes and a broken Perkiomen Broad biface.

If historic materials are evident, check here and fill out historic site form

8. MAP REFERENCES

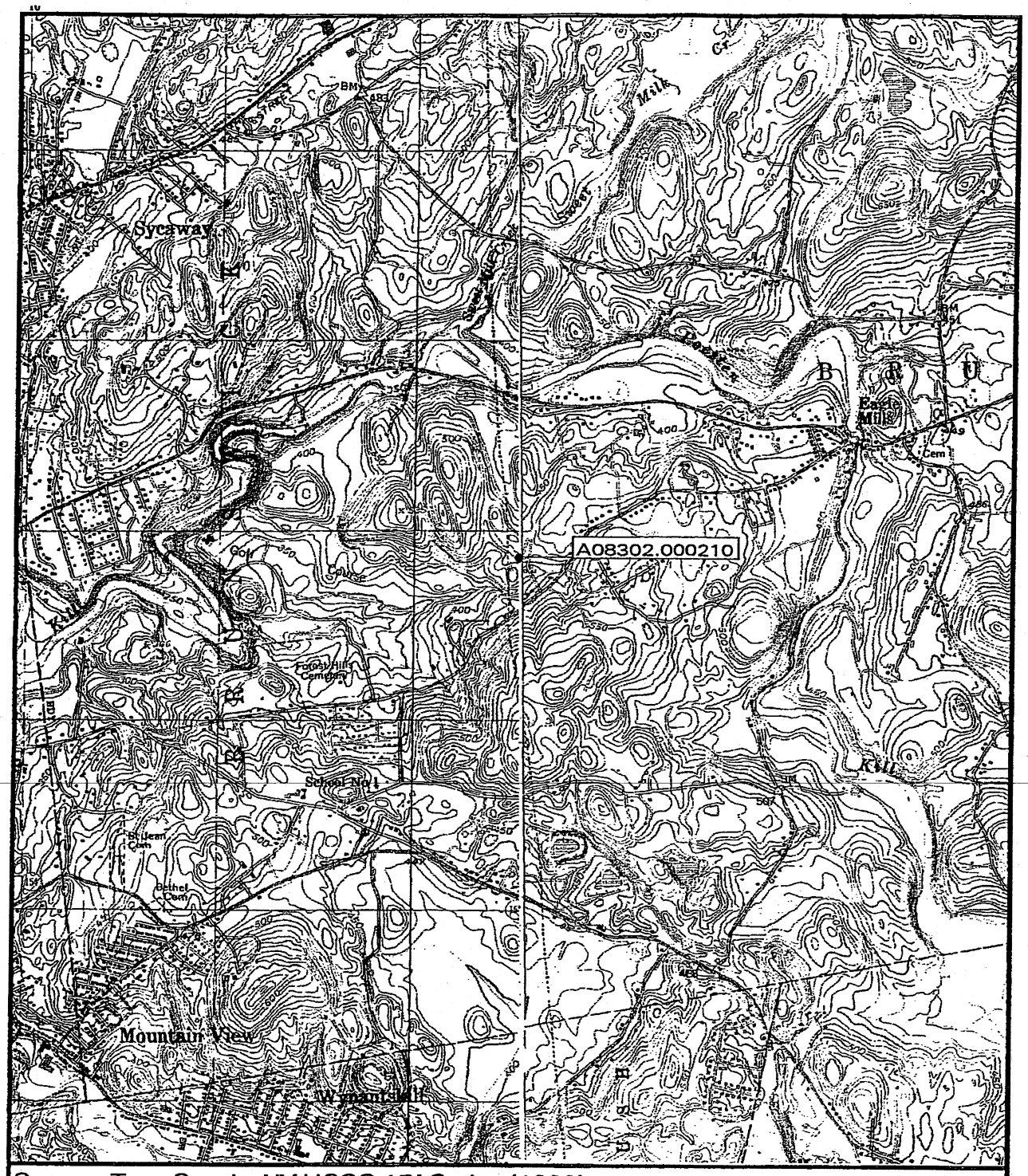
USGS 7.5 Minute Series Quad. Name Troy South, NY (1980)

UTM Coordinates

612566 E
4730858 N

9. Photography

Photographs of site are in technical report



Source: Troy South, NY USGS 15′ Series (1980)
Averill Park, NY USGS 15′ Series (1980)

0 0.5 1.0

Miles

N

NEW YORK STATE PREHISTORIC ARCHAEOLOGICAL SITE INVENTORY FORM

NYS OFFICE OF PARKS, RECREATION & HISTORIC PRESERVATION
(518) 237-8643

Bernadette Castro
Commissioner

For Office Use Only--Site Identifier A08302.000211

Project Identifier 04PR02662 Date January, 2005

Your Name Derrick Marcucci Phone (518) 861-8283
Address 62642 Hawes Road
Altamont, NY 12009
Organization (if any) Landmark Archaeology, Inc.

1. SITE IDENTIFIER(S) Carriage Hill# 3

2. COUNTY Rensselaer One of the following: CITY
TOWNSHIP Brunswick
INCORPORATED VILLAGE
UNINCORPORATED VILLAGE OR HAMLET

3. PRESENT OWNER
Address United Development Group
80 State Street, 9th Floor
Albany, New York 12207

4. SITE DESCRIPTION (check all appropriate categories):

Site

__Stray Find	__Cave/Rockshelter	__Workshop
__Pictograph	__Quarry	__Mound
__Burial	__ Shell Midden	__Village
__Surface Evidence	_x Camp	__Material in plow zone
__Material below plow zone	__Buried evidence	__Intact Occupation floor
__Single component	__Evidence of features	__Stratified
	__Multicomponent	

Location

__Under cultivation	_X_ Never cultivated	__Previously cultivated
__Pastureland	__Woodland	__Floodplain
__ Upland		__ Sustaining erosion

Soil Drainage: excellent _X_ good __ fair __ poor
Slope: flat __ gentle __ moderate _X_ steep _
Distance to nearest water from site (approx.) 500 meters south of Poesten Kill
Elevation: 530 ft amsl

5. SITE INVESTIGATION (append additional sheets, if necessary):

Surface--date(s)
_x_ Site map (Submit with form)
__Collection

Subsurface--date(s) November/December 2004
Testing: shovel _x_ coring __ other_____ unit size 30x30cm
no. of units 19 (Submit plan of units with form)
Excavation: unit size 1 x1 no. of units 1

Investigator Derrick Marcucci and Jesse Schreyer

Manuscript or published report(s) (reference fully):

Derrick J. Marcucci (2005) *Phase I Archaeological Investigations of Carriage Hill Estates and Phase II Site Evaluations of Archaeological Sites A08302.000209, A08302.000210, A08302.000211, A08302.000212, A08302.000215 and A08302.000216, Town of Brunswick, Rensselaer County, New York LA# 104, 106 and 117*

Present repository of materials

Temporarily curated at Landmark Archaeology, Inc., Altamont, New York

6. COMPONENT(S) (cultural affiliation/dates):

Prehistoric (unknown component)

7. LIST OF MATERIAL REMAINS (be specific as possible in identifying object and material):

One chert flake. One cobble tool.

If historic materials are evident, check here and fill out historic site form

8. MAP REFERENCES

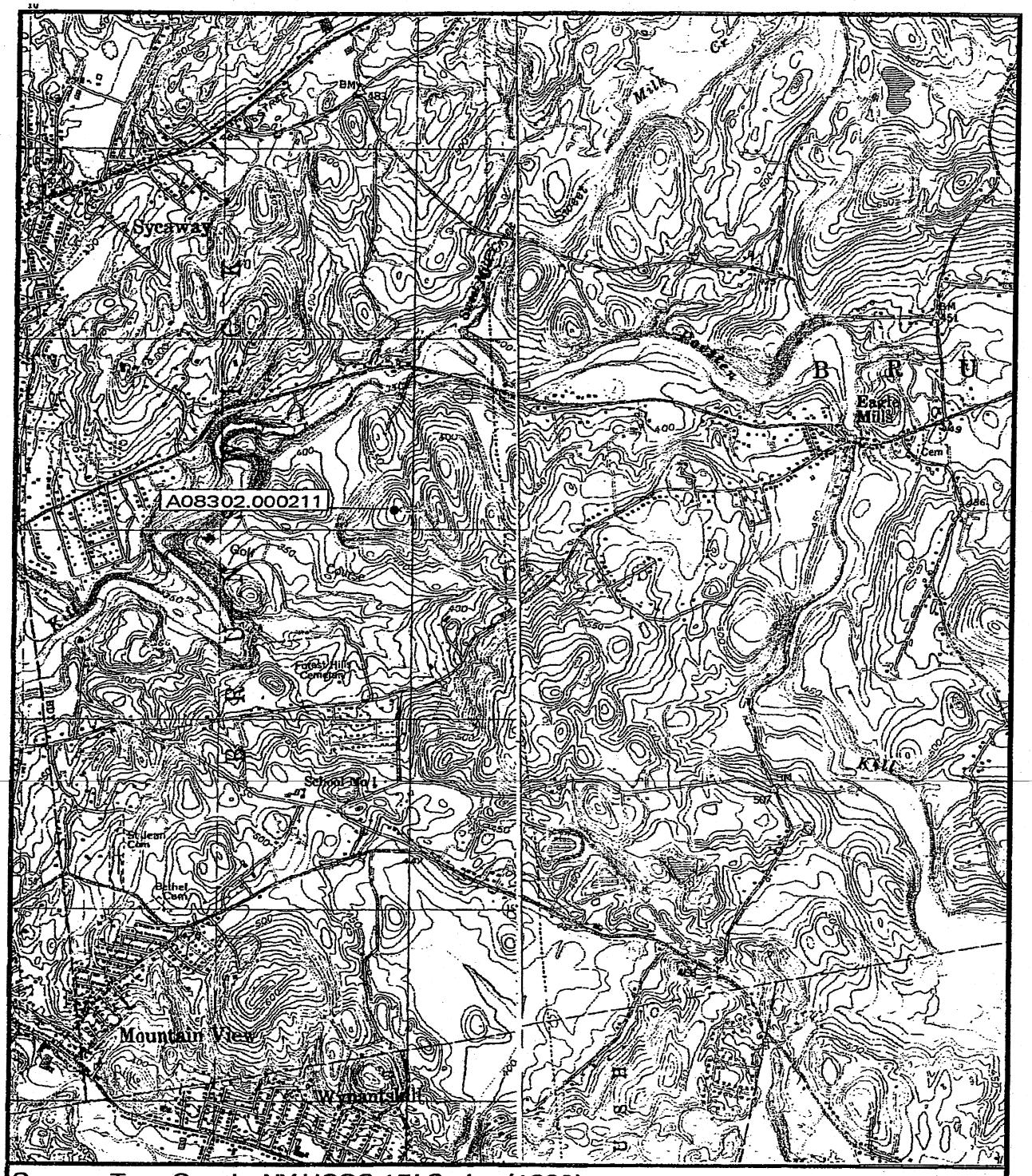
USGS 7.5 Minute Series Quad. Name Troy South, NY (1980)

UTM Coordinates

611915 E
4731095 N

9. Photography

Photographs of site are in technical report



Source: Troy South, NY USGS 15' Series (1980)
Averill Park, NY USGS 15' Series (1980)

0 0.5 1.0

Miles

N

NEW YORK STATE HISTORIC ARCHAEOLOGICAL SITE INVENTORY FORM

NYS OFFICE OF PARKS, RECREATION & HISTORIC PRESERVATION
(518) 237-8643

NEW YORK STATE
Bernadette Castro
Commissioner

For Office Use Only--Site Identifier A08302.000212

Project Identifier 04PR02662

Your Name Derrick J. Marcucci — Date January, 2005
Address 6242 Hawes Road, Altamont, NY 12009-4606 — Phone (518) 861-8283

Organization (if any)
1. SITE IDENTIFIER(S) Carriage Hill# 4

2. COUNTY *Rensselaer* One of the following: CITY
TOWNSHIP Brunswick
INCORPORATED VILLAGE
UNINCORPORATED VILLAGE OR HAMLET

3. PRESENT OWNER United Group of Companies
Address 80 State Street, 9th Floor
Albany, New York 12207

4. SITE DESCRIPTION (check all appropriate categories):Structure/site
Superstructure: complete___ partial___ collapsed ___ not evident
Foundation: above ___ below ___ (ground level)____ not evident
___ Structural subdivisions apparent ___Only surface traces visible
X Buried traces detected
List construction materials (be as specific as possible): Brick and cobbles

Grounds
___Under cultivation ___Sustaining erosion X Woodland ___Upland
X Never cultivated ___Previously cultivated ___Floodplain ___Pastureland
Soil Drainage: excellent ___ good X fair ___ poor
Distance to nearest water from structure (approx.) 300 meters south of Poesten Kill
Elevation: 450 amsl

5. Site Investigation (append additional sheets, if necessary):
Surface -- date (s) _____ Site map (submit with form*)
Collection
Subsurface -- date(s) December 2004
Testing: shovel x coring ___ other ___ unit size 30x30 cm
no. units 37 (Submit plan of units with form*)

Excavation: unit size 1 x1 m no. of units 2
(Submit plan of units with form*)
* Submission should be 8 ½" by 11", if feasible

Investigator Derrick J. Marcucci and Jesse Schreyer

Manuscript or published report (s) (reference fully):

Derrick J. Marcucci (2005) *Phase I Archaeological Investigations of Carriage Hill Estates and Phase II Site Evaluations of Archaeological Sites A08302.000209, A08302.000210, A08302.000211, A08302.000212, A08302.000215 and A08302.000216, Town of Brunswick, Rensselaer County, New York LA# 104, 106 and 117*

Present repository of materials

6. Site inventory:
   a. Date constructed or occupation period 19th -20th Century
   b. Previous owners, if known
   c. Modifications, if known
   (append additional sheets, if necessary)

7. Site documentation (append additional sheets, if necessary):
   a. Historic map references
      1) Name_____ Date _____ Source
         Present location of original, if known
      2) Name_____ Date _____ Source
         Present location of original, if known
   b. Representation in existing photography
      1) Photo date _____ Where located
      2) Photo date _____ Where located

   c. Primary and secondary source of documentation (reference fully)

   d. Persons with memory of site
      1) Name_____ Address
      2) Name _____ Address

8. List of material remains other than those used in construction (be as specific as possible in identifying object and material):

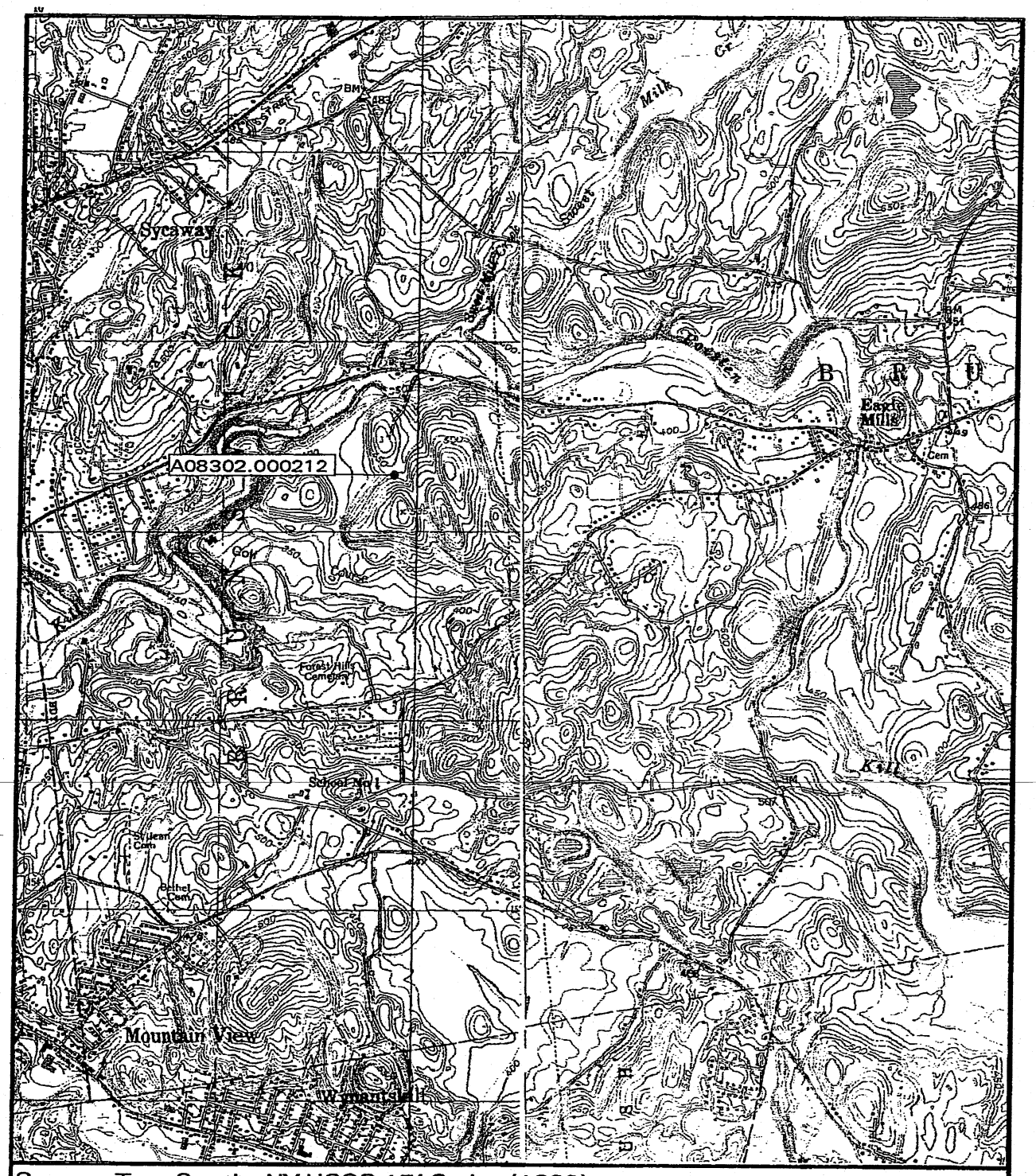
Site is a short field road/bridge constructed of fill to traverse upland swale. Nails, glass, barbed wire, and whiteware were recovered from the fill.

If prehistoric materials are evident, check here and fill out prehistoric site form.

9. Map References: Map or maps showing exact location and extent of site must accompany this form and be identified by source and date. Keep this submission to 8½" x 11", if possible.

USGS 71/2 Minute Series Quad. Name Troy South, NY (1980)
For Office Use Only--UTM Coordinates 611892 E
4731300 N

10. Photography (optional for environmental impact survey): Please submit a 5"x7" black and white print(s) showing the current state of the site. Provide a label for the print(s) on a separate sheet.



Source: Troy South, NY USGS 15' Series (1980)
Averill Park, NY USGS 15' Series (1980)

0 0.5 1.0

Miles

N

NEW YORK STATE HISTORIC ARCHAEOLOGICAL SITE INVENTORY FORM

NYS OFFICE OF PARKS, RECREATION & HISTORIC PRESERVATION
(518) 237-8643

Bernadette Castro
Commissioner

For Office Use Only--Site Identifier A08302.000213

Project Identifier O4PR02662

Your Name Derrick J. Marcucci Date January 25, 2005

Address 6242 Hawes Road, Altamont, NY 12009-46006 Phone (518) 861-8283

Organization (if any)

1. SITE IDENTIFIER(S) Carriage Hill# 5

2. COUNTY *Rensselaer* One of the following: CITY
TOWNSHIP Brunswick
INCORPORATED VILLAGE
UNINCORPORATED VILLAGE OR HAMLET

3. PRESENT OWNER United Group of Companies
Address 80 State Street, 9th Floor
Albany, New York 12207

4. SITE DESCRIPTION (check all appropriate categories):Structure/site
Superstructure: complete___ partial___ collapsed ___ not evident
Foundation: above ___ below X (ground level)___ not evident
X Structural subdivisions apparent ___Only surface traces visible
X Buried traces detected
List construction materials (be as specific as possible):
Dry laid foundation.

Grounds
___Under cultivation ___Sustaining erosion X Woodland ___Upland
___Never cultivated ___Previously cultivated ___Floodplain ___Pastureland
Soil Drainage: excellent ___ good X fair ___ poor
Distance to nearest water from structure (approx.) 250 meters south of Poesten Kill
Elevation: 470 amsl

5. Site Investigation (append additional sheets, if necessary):
Surface -- date (s) _____ Site map (submit with form*)
Collection
Subsurface -- date(s) December 2004
Testing: shovel x coring ___ other ___ unit size 30x30 cm
no. units 127 (Submit plan of units with form*)

Excavation: unit size _____ no. of units
(Submit plan of units with form*)
* Submission should be 8 ½" by 11", if feasible

Investigator Derrick J. Marcucci and Jesse Schreyer

Manuscript or published report (s) (reference fully):

Derrick J. Marcucci (2005) *Phase I Archaeological Investigations of Carriage Hill Estates and Phase II Site Evaluations of Archaeological Sites A08302.000209, A08302.000210, A08302.000211, A08302.000212, A08302.000215 and A08302.000216, Town of Brunswick, Rensselaer County, New York LA# 104, 106 and 117*

Present repository of materials

6. Site inventory:
   a. Date constructed or occupation period 19th -20th Century
   b. Previous owners, if known
   c. Modifications, if known
   (append additional sheets, if necessary)

7. Site documentation (append additional sheets, if necessary):
   a. Historic map references
      1) Name_____ Date _____ Source
         Present location of original, if known
      2) Name_____ Date _____ Source
         Present location of original, if known
   b. Representation in existing photography
      1) Photo date _____ Where located
      2) Photo date _____ Where located

   c. Primary and secondary source of documentation (reference fully)

   d. Persons with memory of site
      1) Name_____ Address
      2) Name _____ Address

8. List of material remains other than those used in construction (be as specific as possible in identifying object and material):

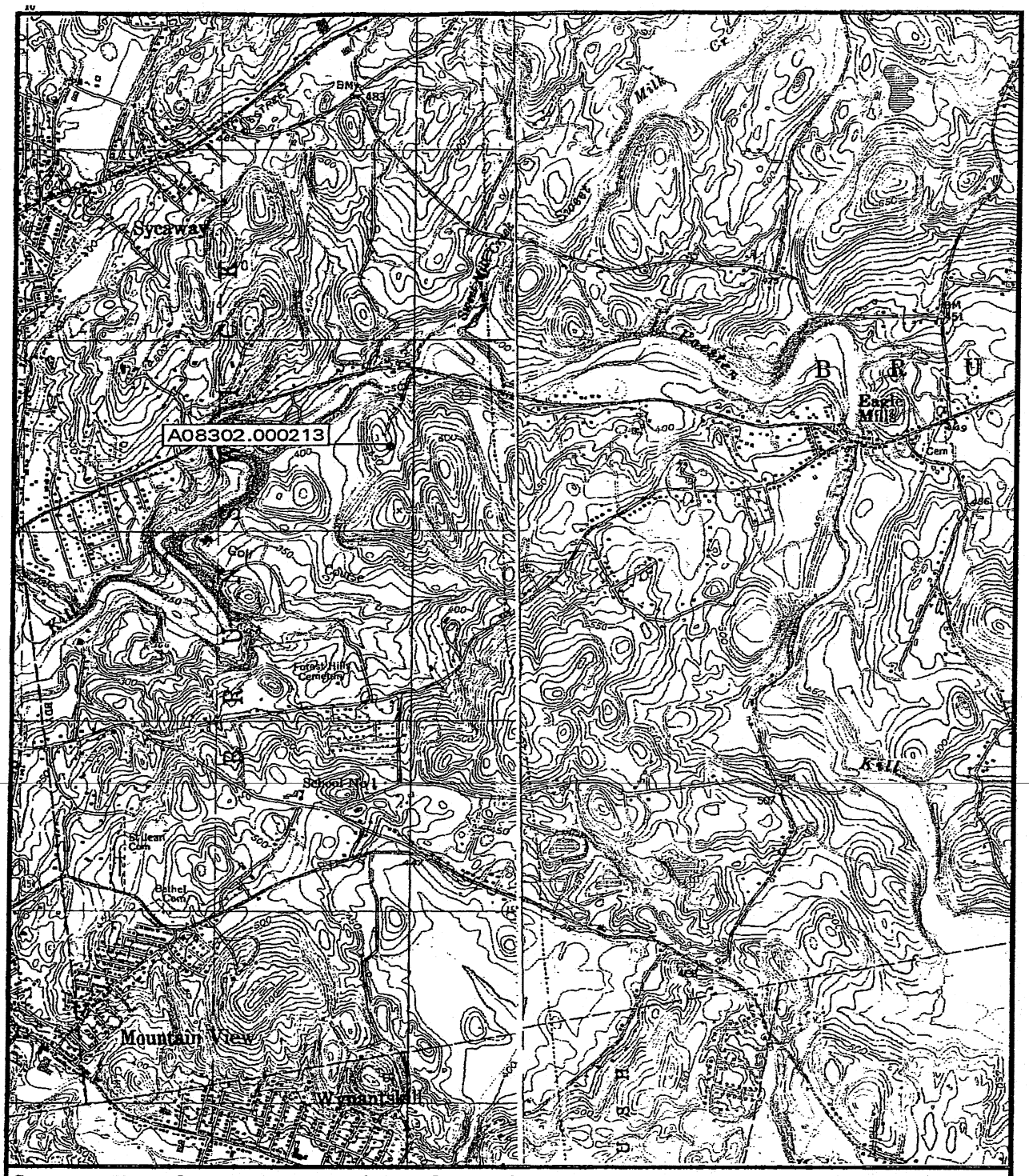
   Machine cut and wire nails, glass, ceramics, cut cow bone, metal telephone receiver

If prehistoric materials are evident, check here and fill out prehistoric site form.

9. Map References: Map or maps showing exact location and extent of site must accompany this form and be identified by source and date. Keep this submission to 8½" x 11", if possible.

USGS 71/2 Minute Series Quad. Name Troy South, NY (1980)
For Office Use Only--UTM Coordinates 611857 E
4731421 N

10. Photography (optional for environmental impact survey): Please submit a 5"x7" black and white print(s) showing the current state of the site. Provide a label for the print(s) on a separate sheet.



Source: Troy South, NY USGS 15' Series (1980)
Averill Park, NY USGS 15' Series (1980)

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Miles

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NEW YORK STATE HISTORIC ARCHAEOLOGICAL SITE INVENTORY FORM

NYS OFFICE OF PARKS, RECREATION & HISTORIC PRESERVATION
(518) 237-8643

Bernadette Castro
Commissioner

For Office Use Only--Site Identifier A08302.000214

Project Identifier O4PR02662

Your Name Derrick J. Marcucci Date January, 2005

Address 6242 Hawes Road, Altamont, NY 12009-46006 Phone (518) 861-8283

Organization (if any)

1. SITE IDENTIFIER(S) Carriage Hill# 6

2. COUNTY *Rensselaer* One of the following: CITY
TOWNSHIP Brunswick
_____ INCORPORATED VILLAGE
UNINCORPORATED VILLAGE OR HAMLET

3. PRESENT OWNER United Group of Companies
Address 80 State Street, 9th Floor
Albany, New York 12207

4. SITE DESCRIPTION (check all appropriate categories):Structure/site

Superstructure: complete___ partial X collapsed X not evident
Foundation: above ___ below ___ (ground level)____ not evident
___ Structural subdivisions apparent ___Only surface traces visible
___Buried traces detected
List construction materials (be as specific as possible): Cinder block, concrete footings and collapsed wood framed outbuildings.

Grounds

___Under cultivation ___Sustaining erosion X Woodland ___Upland
___Never cultivated ___Previously cultivated ___Floodplain ___Pastureland
Soil Drainage: excellent ___ good X fair ___ poor
Distance to nearest water from structure (approx.) 25 meters north of un-named Poesten Kill tributary.
Elevation: 440 amsl

5. Site Investigation (append additional sheets, if necessary):
Surface -- date (s) _____ Site map (submit with form*)
Collection
Subsurface -- date(s) December 2004
Testing: shovel x coring ___ other ___ unit size 30x30 cm
no. units 70 (Submit plan of units with form*)

Excavation: unit size _____ no. of units
(Submit plan of units with form*)
* Submission should be 8 ½" by 11", if feasible

Investigator Derrick J. Marcucci and Jesse Schreyer

Manuscript or published report (s) (reference fully):

Derrick J. Marcucci (2005) *Phase I Archaeological Investigations of Carriage Hill Estates and Phase II Site Evaluations of Archaeological Sites A08302.000209, A08302.000210, A08302.000211, A08302.000212, A08302.000215 and A08302.000216, Town of Brunswick, Rensselaer County, New York LA# 104, 106 and 117*

Present repository of materials

6. Site inventory:
   a. Date constructed or occupation period mid to late 20th Century
   b. Previous owners, if known
   c. Modifications, if known
   (append additional sheets, if necessary)

7. Site documentation (append additional sheets, if necessary):
   a. Historic map references
      1) Name_____ Date _____ Source
         Present location of original, if known
      2) Name_____ Date _____ Source
         Present location of original, if known
   b. Representation in existing photography
      1) Photo date _____ Where located
      2) Photo date _____ Where located

   c. Primary and secondary source of documentation (reference fully)

   d. Persons with memory of site
      1) Name_____ Address
      2) Name _____ Address

8. List of material remains other than those used in construction (be as specific as possible in identifying object and material):

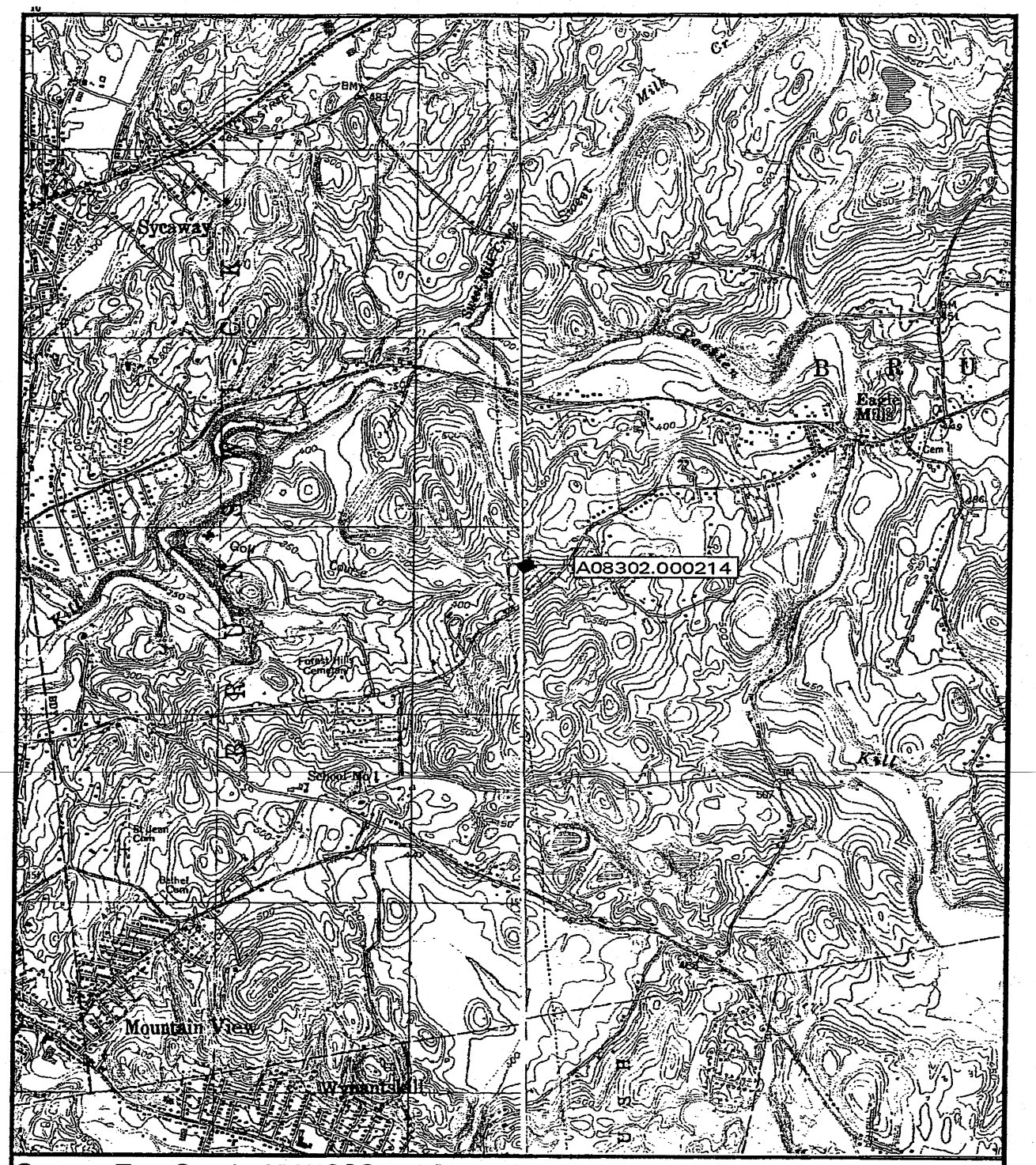
Modern debris (e.g., windshield glass, galvanized nails, plastic, chrome, etc.) noted on surface

If prehistoric materials are evident, check here and fill out prehistoric site form.

9. Map References: Map or maps showing exact location and extent of site must accompany this form and be identified by source and date. Keep this submission to 8½" x 11", if possible.

USGS 71/2 Minute Series Quad. Name Troy South, NY (1980)
For Office Use Only--UTM Coordinates
612621 E
4730791 N

10. Photography (optional for environmental impact survey): Please submit a 5"x7" black and white print(s)



Source: Troy South, NY USGS 15' Series (1980)
Averill Park, NY USGS 15' Series (1980)

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Miles

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NEW YORK STATE PREHISTORIC ARCHAEOLOGICAL SITE INVENTORY FORM

NYS OFFICE OF PARKS, RECREATION & HISTORIC PRESERVATION
(518) 237-8643

NEW YORK STATE
Bernadette Castro
Commissioner

For Office Use Only--Site Identifier A08302.000215

Project Identifier 04PR02662 Date 5/17/05

Your Name Scott A. Padeni Phone (518)861-8283
Address 6242 Hawes Road
Altamont, New York 12009-4606

Organization (if any) Landmark Archaeology, Inc.

1. SITE IDENTIFIER(S) Carriage Hill 7

2. COUNTY Rensselaer County One of the following:
CITY
TOWNSHIP Brunswick
INCORPORATED VILLAGE
UNINCORPORATED VILLAGE OR HAMLET

3. PRESENT OWNER
Address United Development Group
80 State Street
Albany, New York 122207

4. SITE DESCRIPTION (check all appropriate categories):

Site

__Stray Find	__Cave/Rockshelter	__Workshop
__Pictograph	__Quarry	__Mound
__Burial	__ Shell Midden	__Village
__Surface Evidence	_X_Camp	__Material in plow zone
__Material below plow zone	__Buried evidence	__Intact Occupation floor
__Single component	__Evidence of features	__Stratified
	__Multicomponent	

Location

__Under cultivation	_X_Never cultivated	__Previously cultivated
__Pastureland	_X_Woodland	__Floodplain
__ Upland		__ Sustaining erosion

Soil Drainage: excellent __ good __ fair _X_ poor
Slope: flat __ gentle _X_ moderate __ steep
Distance to nearest water from site (approx.) 20 meters
Elevation: 435 feet amsl

5. SITE INVESTIGATION (append additional sheets, if necessary):
Surface--date(s)
_X_Site map (Submit with form)
__Collection

Subsurface--date(s) May 2005
Testing: shovel _X_ coring __ other 30x30 cm unit size
no. of units 39 (Submit plan of units with form)
Excavation: unit size 1x1 no. of units 4

Investigator Derrick Marcucci and Scott Padeni

Manuscript or published report(s) (reference fully):

Derrick J. Marcucci (2005) *Phase I Archaeological Investigations of Carriage Hill Estates and Phase II Site Evaluations of Archaeological Sites A08302.000209, A08302.000210, A08302.000211, A08302.000212, A08302.000215 and A08302.000216, Town of Brunswick, Rensselaer County, New York LA# 104, 106 and 117*

Present repository of materials: Temporarily curated at Landmark Archaeology, Inc. 6242 Hawes Road, Altamont, NY 12009.

6. COMPONENT(S) (cultural affiliation/dates): Unknown prehistoric

7. LIST OF MATERIAL REMAINS (be specific as possible in identifying object and material): Chert flakes

3 chert flakes

If historic materials are evident, check here and fill out historic site form: N/A

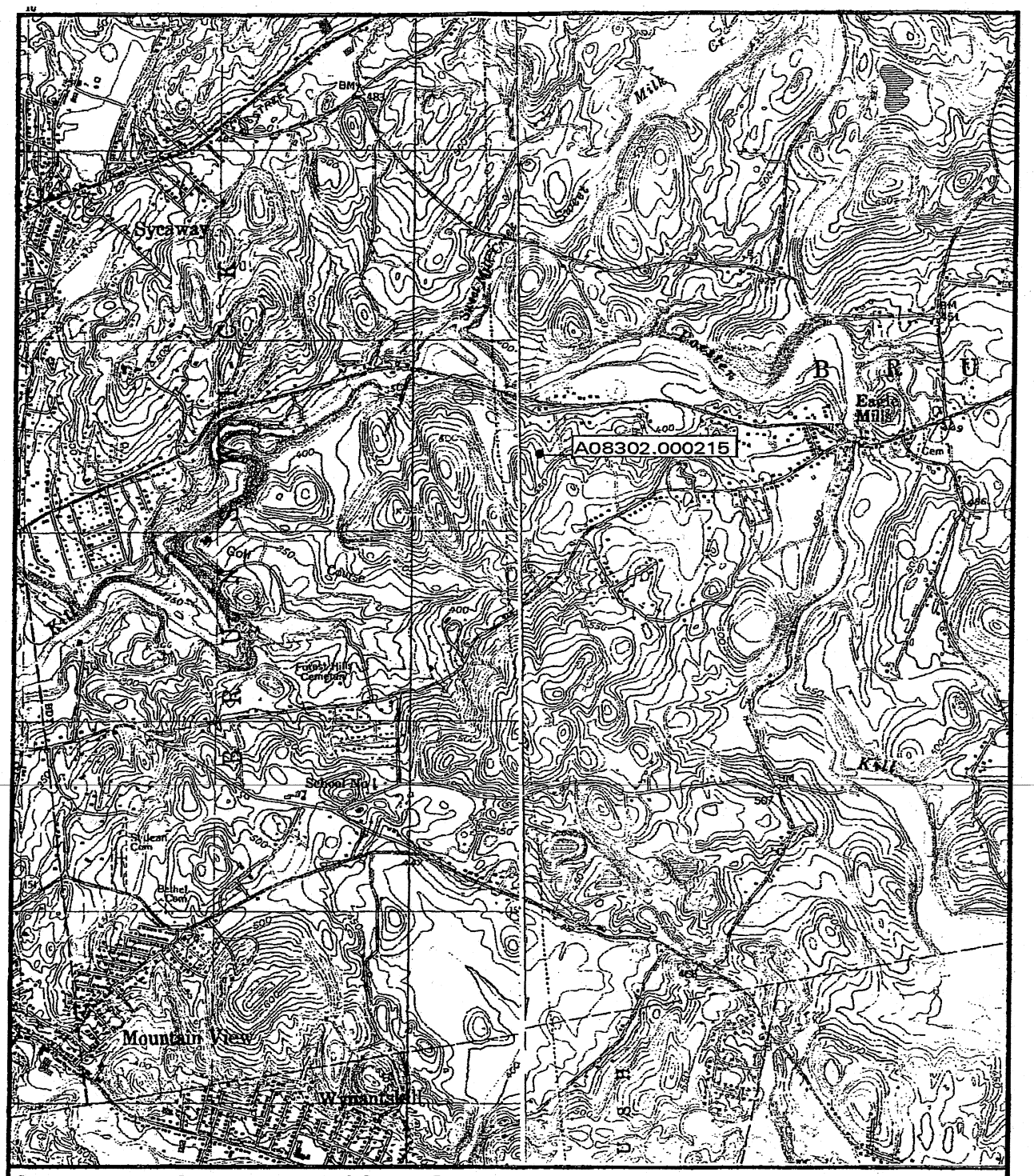
8. MAP REFERENCES

USGS 7.5 Minute Series Quad. Name Averill Park, NY (1980)

UTM Coordinates 612,660 E
4731415 N

9. Photography

Photographs included in technical report



Source: Troy South, NY USGS 15' Series (1980)
Averill Park, NY USGS 15' Series (1980)

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Miles

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NEW YORK STATE PREHISTORIC ARCHAEOLOGICAL SITE INVENTORY FORM

NYS OFFICE OF PARKS, RECREATION & HISTORIC PRESERVATION
(518) 237-8643

Bernadette Castro
Commissioner

For Office Use Only--Site Identifier A08302.000216

Project Identifier 04PR02662 Date 5/17/05

Your Name Scott A. Padeni Phone (518) 861-8283
Address 6242 Hawes Road
Altamont, New York 12009-4606

Organization (if any) Landmark Archaeology, Inc.

1. SITE IDENTIFIER(S) Carriage Hill 8

2. COUNTY Rensselaer County
One of the following:

CITY
TOWNSHIP Brunswick
INCORPORATED VILLAGE
UNINCORPORATED VILLAGE OR HAMLET

3. PRESENT OWNER
Address United Development Group
80 State Street
Albany, New York 122207

4. SITE DESCRIPTION (check all appropriate categories):

Site

__Stray Find	__Cave/Rockshelter	__Workshop
__Pictograph	__Quarry	__Mound
__Burial	__ Shell Midden	__Village
__Surface Evidence	_X_Camp	__Material in plow zone
__Material below plow zone	__Buried evidence	__Intact Occupation floor
__Single component	__Evidence of features	__Stratified
	__Multicomponent	

Location

__Under cultivation	_X_Never cultivated	__Previously cultivated
__Pastureland	_X_Woodland	__Floodplain
__ Upland		__ Sustaining erosion

Soil Drainage: excellent _X_ good __ fair __ poor
Slope: flat __ gentle __ moderate __ steep
Distance to nearest water from site (approx.) 50 meters
Elevation: 435 ft amsl

5. SITE INVESTIGATION (append additional sheets, if necessary):
Surface--date(s)
_X_Site map (Submit with form)
__Collection

Subsurface--date(s) May 2005
Testing: shovel _X_ coring __ other 30x30 cm unit size
no. of units 50 (Submit plan of units with form)
Excavation: unit size 1x1 no. of units 4
Investigators Derrick Marcucci and Scott Padeni

Manuscript or published report(s) (reference fully):

Derrick J. Marcucci (2005) *Phase I Archaeological Investigations of Carriage Hill Estates and Phase II Site Evaluations of Archaeological Sites A08302.000209, A08302.000210, A08302.000211, A08302.000212, A08302.000215 and A08302.000216, Town of Brunswick, Rensselaer County, New York LA# 104, 106 and 117*

Present repository of materials: Temporarily curated at Landmark Archaeology, Inc. 6242 Hawes Road, Altamont, NY 12009.

6. COMPONENT(S) (cultural affiliation/dates): Unknown prehistoric

7. LIST OF MATERIAL REMAINS (be specific as possible in identifying object and material): Chert flakes

Two chert flakes

If historic materials are evident, check here and fill out historic site form: N/A

8. MAP REFERENCES

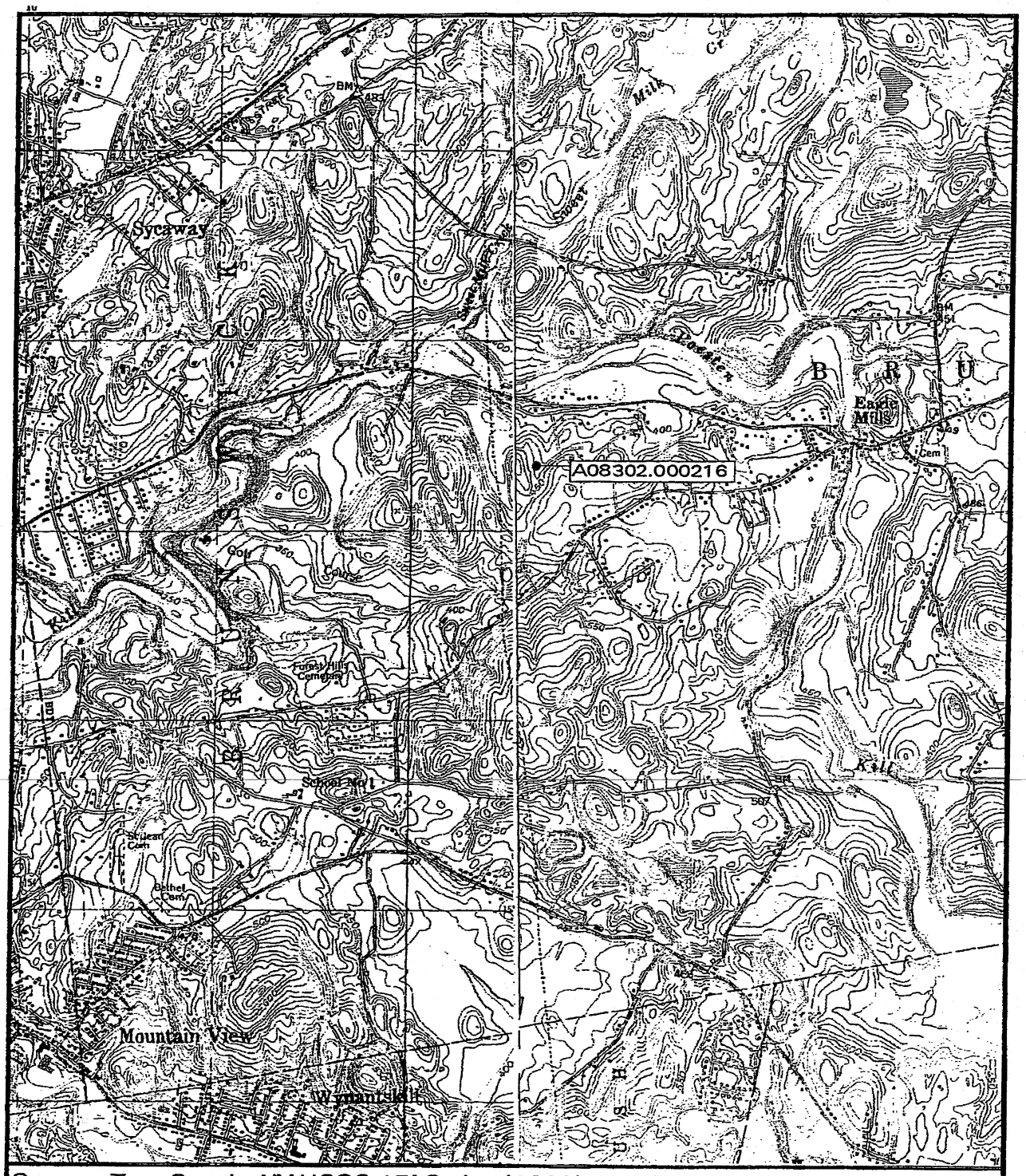
USGS 7.5 Minute Series Quad. Name Averill Park, NY (1980)

UTM Coordinates

612690 E
4731360 N

9. Photography

Photographs are in technical report



Source: Troy South, NY USGS 15' Series (1980)
Averill Park, NY USGS 15' Series (1980)

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Miles

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NEW YORK STATE HISTORIC ARCHAEOLOGICAL SITE INVENTORY FORM

NYS OFFICE OF PARKS, RECREATION & HISTORIC PRESERVATION
(518) 237-8643

Bernadette Castro
Commissioner

For Office Use Only--Site Identifier A08302.000217

Project Identifier 04PR02662

Your Name Scott A. Padeni Date 5-13-05
Address 6242 Hawes Road, Altamont, NY 12009-4606 Phone (518) 861-8283

Organization (if any) Landmark Archaeology, Inc.

1. SITE IDENTIFIER(S) Carriage Hill 9

2. COUNTY Rensselaer County One of the following: CITY
TOWNSHIP Brunswick
INCORPORATED VILLAGE
UNINCORPORATED VILLAGE OR HAMLET

3. PRESENT OWNER
Address United Development 80 State Street
Albany Group
Albany, New York 12207

4. SITE DESCRIPTION (check all appropriate categories):Structure/site
Superstructure: complete___ partial___ collapsed ___ not evident X
Foundation: above X below X (ground level) not evident
X Structural subdivisions apparent ___Only surface traces visible
___ Buried traces detected
List construction materials (be as specific as possible): Mortared brick, stone.

Grounds
___Under cultivation ___Sustaining erosion X Woodland X Upland
X Never cultivated ___Previously cultivated ___Floodplain ___Pastureland
Soil Drainage: excellent X good ___ fair ___ poor
Distance to nearest water from structure (approx.) 170 meters
Elevation: 450 ft. amsl

5. Site Investigation (append additional sheets, if necessary):
Surface -- date (s) 5/11-5/13/2005 Site map (submit with form*)
Collection
Subsurface -- date(s) N/A
Testing: shovel ___ coring ___ other ___ unit size
no. units _____ (Submit plan of units with form*)

Excavation: unit size _____ no. of units
(Submit plan of units with form*)
* Submission should be 8 ½" by 11", if feasible

Investigator Derrick Marcucci and Scott Padeni

Manuscript or published report (s) (reference fully):

Derrick J. Marcucci (2005) *Phase I Archaeological Investigations of Carriage Hill Estates and Phase II Site Evaluations of Archaeological Sites A08302.000209, A08302.000210, A08302.000211, A08302.000212, A08302.000215 and A08302.000216, Town of Brunswick, Rensselaer County, New York LA# 104, 106 and 117*

Present repository of materials N/A

6. Site inventory:
   a. Date constructed or occupation period Unknown
   b. Previous owners, if known Unknown
   c. Modifications, if known Unknown
   (append additional sheets, if necessary)

7. Site documentation (append additional sheets, if necessary):
   a. Historic map references
      1) Name_____ Date _____ Source
         Present location of original, if known
      2) Name_____ Date _____ Source
         Present location of original, if known
   b. Representation in existing photography
      1) Photo date _____ Where located
      2) Photo date _____ Where located

   c. Primary and secondary source of documentation (reference fully)

   d. Persons with memory of site
      1) Name Unknown Address
      2) Name _____ Address

8. List of material remains other than those used in construction (be as specific as possible in identifying object and material): Heavy gage iron implements including riveted iron boiler fragments, iron hinges, and barrel hoops. Whiteware ceramic and vessel glass. No artifacts collected.

If prehistoric materials are evident, check here and fill out prehistoric site form. N/A

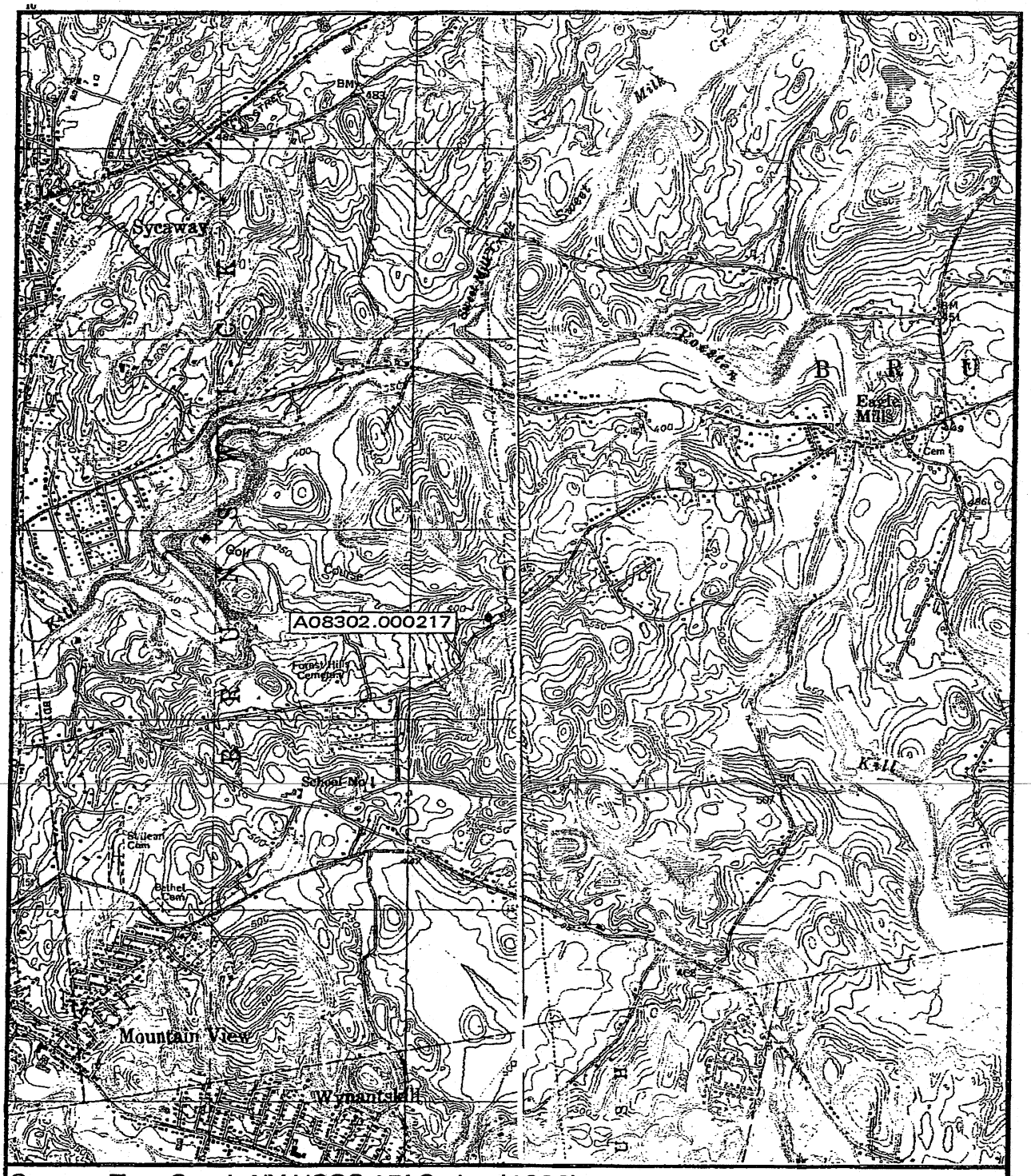
9. Map References: Map or maps showing exact location and extent of site must accompany this form and be identified by source and date. Keep this submission to 8½" x 11", if possible.

USGS 71/2 Minute Series Quad. Name Troy South, New York (1980)

For Office Use Only--UTM Coordinates

612422 E
4730520 N

10. Photography (optional for environmental impact survey): Please submit a 5"x7" black and white print(s) showing the current state of the site. Provide a label for the print(s) on a separate sheet.



Source: Troy South, NY USGS 15′ Series (1980)
Averill Park, NY USGS 15′ Series (1980)

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Miles

N

Landmark Archaeology, Inc.
September 2005

Parcel Boundary (Red)
APE (Pink)

HS= Hill Summit
W= Wetland

Green rectangles indicate site detail maps

Map #	Site #	Figure #
1	Site A08302.000209	13
2	Site A08302.000210	15
3	Site A08302.000211	17
4	Site A08302.000212	19
5	Site A08302.000213	22
6	Site A08302.000214	24
7	Site A08302.000215	25
8	Site A08302.000216	27
9	Site A08302.000217	29

CARRIAGE HILL ESTATES
Phase I 15-Meter Shovel Test Map

0 200 400 600
Feet

0 60 120
Meters

Key

5 4 3 2 1 — 333/1 Transect 331, STP 1-5

- Sterile Shovel Test
- Positive Shovel Test/Prehistoric Artifact
- Positive Shovel Test/Historic Artifact
- Modern Debris/Noted & Discarded
- Site Boundary

SOURCE: Saratoga Associates (May 2005)