

**APPENDIX J**  
**CULTURAL RESOURCES REPORTS**

**PHASE IA ARCHEOLOGICAL SENSITIVITY ASSESSMENT  
AND  
PHASE IB ARCHEOLOGICAL FIELD RECONNAISSANCE**

**PROPOSED ALBANY LANDFILL EXPANSION  
TOWN OF GUILDERLAND, VILLAGE OF COLONIE,  
& CITY OF ALBANY  
ALBANY COUNTY, NEW YORK**

**HAA #3657**

*Submitted to:*  
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**DECEMBER 2005**

**MANAGEMENT SUMMARY**

SHPO Project Review Number: **n/a**

Involved State and Federal Agencies: **SEQRA**

Phase of Survey: **IA and IB**

**Location Information**

Location: **Whitestone Road**

Minor Civil Division: **Town of Guilderland, Village of Colonie and City of Albany**

County: **Albany**

**Survey Area**

Length: **1,200 feet (365.8 m) southeast-northwest**

Width: **1,100 feet (335.3 m) northeast-southwest**

Number of Acres Surveyed: **approximately 30 acres**

USGS 7.5 Minute Quadrangle Map: **1994 Albany Topographic**

**Results of Research**

Sites within one mile: **8**

Surveys within one-half mile: **3**

NR sites within or adjacent to the project area: **0**

Number of Map-Documented Structures in project area: **1**

Precontact Sensitivity: **moderate to very low**

Historic Sensitivity: **moderate to low**

**Fieldwork Results**

Number and Interval of Shovel Tests Pits (STPs): **144**

Number and name of precontact sites identified: **0**

Number and name of historic sites identified: **0**

Recommendations: **No further investigation**

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Date of Report: **December 2005**

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## MAPS

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## PHOTOGRAPHS

1. Northwest view of the graded topography of the project area and the steep slope along the outside of the project area.
2. Northwest view of one of several short roads with residential lots in the central portion of the project area.
3. Southwest view of the central portion of the project area, facing the existing landfill. This area is bulldozed and previously excavated for numerous utilities and septic fields.
4. North view of a typical area of previous disturbance in the center of the project area.
5. Northwest view of a concrete pad used for residential trailers.
6. North view of graded soil and multiple buried utilities, such as are found at most of the trailer lots.
7. Southwest view of a large, red maple in the northern portion of the project area. There are utilities in this graded area, with open space nearby.
8. North view of the open space along the wet area at the northern end of the project area.
9. West view of a level, probably graded open space and wet area in the northern section of the project area.
10. Southwest view of a landscaped area with plantings along the northern limit of the project area.
11. West view of the graded area in the northwestern limit of the project area. There is some open space along the wet area in the distance, which may also be graded.
12. East view of the ground surface in the northwestern portion of the project area.
13. Northwest view of a large tree in the southwestern portion of the project area. It is possible there are historic deposits in this area, which also appears to be partly disturbed.
14. East view of the graded central portion of the project area from the western side of the project area.
15. Northeast view of concrete pads and disturbed soils along the access road in the southern portion of the project area, near the MDS location from Map 10.
16. Southwest view of the project area beyond the western ditch consisting of moist wetlands with heavy brush and pockets of standing water.
17. STP 66 in Area 1 recovered modern shoe leather in the reddish burn layer.
18. Southerly view of the culvert connecting the northwestern and southwestern drainages just west of STP 112 in Area 1.
19. Southwest view in Area 2 showing heavy utility disturbance.
20. West view of STP 123 in Area 3, documenting disturbances surrounding the shovel test.
21. Southwest view of the pump house and STP 135 in Area 3. Disturbances in this area include utilities, grading, and leach fields.
22. Northwest view in Area 4 including leveled areas, large trees and utilities.
23. West view in Area 4 displaying the leveled area just south of the entrance to the project area.

## **PHASE IA REPORT FOR ARCHEOLOGICAL POTENTIAL**

Hartgen Archeological Associates, Inc. (HAA, Inc.) was retained by Clough, Harbour & Associates, LLP to conduct a Phase IA literature review and archeological sensitivity assessment and a Phase IB archeological field reconnaissance for the proposed expansion of the Albany Landfill. The project area is located in the Town of Guilderland, Village of Colonie and the City of Albany, Albany County, New York. The Phase I study was conducted according to New York Archeological Council (NYAC) 1994 standards and in compliance with the State Environmental Quality Review Act (SEQRA).

The goal of the cultural resource overview was to assess the potential of the project's impact areas for containing precontact and historic archeological deposits. This included background research of the site files at the New York State Office of Parks, Recreation and Historic Preservation (OPRHP) and the New York State Museum (NYSM) and the review of historical maps, literature, and environmental characteristics pertaining to the project area. All of this information was assembled into a cultural resource sensitivity assessment.

### **PROJECT INFORMATION**

#### **Project Site Location**

The proposed expansion of the existing Albany Landfill is located off Whitestone Road between NY Route 5 and Interstate 90 in the Town of Guilderland, Village of Colonie and City of Albany, Albany County, New York (Map 1). There are several small roads within the project area, currently in partial use as a trailer park (Maps a-2c).

#### **Description of Proposed Development**

The current design plan is not finalized. At present, filling is proposed across 28 acres of the approximately 30-acre project area. For review purposes, the entire project area is currently considered the area of potential effect (APE). Proposed impacts include filling across most or all of the project area.

### **ENVIRONMENTAL INFORMATION**

#### **Topography and Bedrock Geology**

The project area is characterized by large areas of level terrain with an area of delineated wetlands in the north and west and a partly wooded wet area in the western limit of the project area. The level area has been modified with grading and filling to accommodate residences in the trailer park. The topography is more natural outside the northern boundary of the project area, where slope is evident. Elevations in the project area range from 302 to 306 feet (92.1 to 93.3 m) above mean sea level (msl).

According to the Hudson-Mohawk Sheet of the Geologic Map of New York (Fisher, Isachsen, and Rickard, 1970), the study area is underlain predominantly by Ordovician age Normanskill shale with minor mudstone and sandstone and greywacke, sandstone, siltstone and shale of the Schenectady Formation.

#### **Soil and Drainage**

Several soils types are located within the study area (Map 3). The predominant soil is Udipsammments (Ud and Uf), an urban land soil typified by areas of previous disturbance (USDA 1992). There is an area of Granby loamy, fine sand (Gr) along the northern portion of the project area, with small areas of Colonie loamy, fine sand (CoB and CoC) in the western and southern portions of the project area.

Table 1: Soils in the project area

Name/symbol	Soil Horizon Depth cm (in)	Color	Texture, Inclusions	Slope	Drainage	Landform
Udipsamments, smoothed (Ud)	A = less than 152.4 cm (60 in.) B = up to 152.4 cm (60 inches)	Brown  Yellowish- brown	Loamy sand with gravel Sand	0-45	Moderately well to excessively well drained	Nearly level to steep, disturbed areas
Udipsamments -Urban Land (Uf)	A = less than 152.4 cm (60 in.) B = up to 152.4 cm (60 inches)	Brown  Yellowish- brown	Loamy, fine sand Loamy, fine sand	0-8	Well drained to excessively well drained	Nearly level to steep, disturbed areas
Granby loamy fine sand (Gr)	A = 0-28 cm (0-11 in) B = 63.5 cm (25 in) C = 152.4 cm (60 in)	Black  Gray  Dark gray	Loamy, fine sand Mottled, fine sand Sand	0-2	Poorly drained to very poorly drained	Flat and slightly depressed areas of glacial lake plains or deltas.
Colonie loamy, fine sand (CoB) and (CoC)	A = 17.8 cm (0-7 in.) B = 155 cm (61 in.) C = 203 cm (80 in.)	Dark brown  Yellowish- brown Brown	Loamy, fine sand Loamy, fine sand Loamy, fine sand	3-8  (CoC 8-15)	Well drained to excessively well drained	On delta and beach plains

### Vegetation and Forest Zone

Environmental information concerning the study area and vicinity is useful in order to assess its archeological potential. Several forest types have been proposed that are likely to have existed in New York before land modifications, deforestation, and the introduction of foreign species (Küchler 1964). The forest type within which the study area is located is therefore described through the concept of "potential natural vegetation" which infers its past forest environment, not necessarily that which is current.

The study area is located in a zone of transition between the Appalachian Oak Forest and Northern Hardwoods natural vegetation regions. This forest type exists as several discrete zones located in eastern New York within the Hudson River watershed and extending eastward to northern Connecticut and Massachusetts. A continuous band of this transition zone lines both sides of the Connecticut River to northern Vermont. This natural vegetation zone consists primarily of broad-leaved deciduous trees with northern red oak and white oak representing the most populous varieties. Sugar maple, Yellow birch, Beech, and Hemlock are also found (Küchler 1964).

This forest type provided abundant natural resources to precontact cultural groups who inhabited this region. Beech and oak forests supplied mast seeds for white-tailed deer and turkey which provided the major source of animal protein for Native Americans who hunted them. Additionally, acorns and other seeds were processed by these same groups into ground meal for winter provisioning.

### Manmade Features and Alterations

Manmade features and alterations within the project area include existing access roads, numerous concrete pads for trailers and associated buried utilities. Most of the area is graded and/or filled. Details of the areas of previous disturbance are addressed at length in the Site Visit section (p. 6).

## DOCUMENTARY RESEARCH

Office of Parks, Recreation and Historic Preservation (OPRHP) and the New York State Museum (NYSM)

*Archeological Sites*

Although none are located within the study area, an examination of the archeological files of the OPRHP and NYSM identified (at most) eight reported archeological sites within one mile of the study area. The sites include 2 historic sites, 4 precontact sites and 2 sites presumed to be precontact since they are in the NYSM files. The nearest site to the study area is located less than 500 feet (152.4 m) north of the project area.

Table 2: Previously reported archeological sites within one mile of the project area

OPRHP SITE#	NYSM#	SITE IDENTIFIER	DESCRIPTION	LOCATION
A00104.000065		Karners Site Alb 26-2 (see NYSM 315)	Possible historic-period Algonkian village	500 feet (152.4 m) north of the project area
A00104.000364		Petra Industries Prehistoric Site	Precontact camp site with chert flakes and fire- cracked rocks	1,000 feet (304.9 m) northeast of the project area
A00140.002710		Pickard/VanValkenburgh /McMichael	Mixed context of historic and precontact artifacts	2,400 feet (731.5 m) south of the project area
A00140.000089		Vereburgh Tavern	18 <sup>th</sup> century tavern site	2,500 feet (762 m) south of the project area
	315	Karners (2?), ALB 26-2, ACP, ALBY 38?	Possible Arthur C. Parker site from Sheehan files	600 feet (182.9 m) north of the project area
	316	Karners, ALB 13	Possible Arthur C. Parker site from Sheehan files	2,200 feet (670.6 m) west of the project area
	2774	ACP ALBY-11	Precontact village on sand plains	2,200 feet (670.6 m) northwest of the project area
	7121	ACP ALBY-38	Precontact camps east of railroad tracks	500 feet (152.4 m) northeast of the project area

A review of the site forms indicates there is some overlap between the precontact sites, with some sites being reported more than once in different formats. Thus, there are probably fewer than 8 separate sites within a mile of the project area. There may have been some confusion over the location of the Algonkian village site variously identified as Karners Site Alb 26-2 (A00104.000065), NYSM 315 and NYSM 2774. This probably resulted from separate reviews of reported site locations provided in the 1920s and old NYSM site file data re-entered at OPRHP.

NYSM 7121 was also reported from old site file data and represents a broad area along the southwest side of NY Route 5 with a boundary close to the project area. The Petra Industries Prehistoric Site (A00104.000364) identified by HAA, Inc. within this larger site area contained a low density of chert flakes from stone tool production and fire-cracked rock from a camp site.

Both precontact and historic cultural materials were recovered from mixed contexts during a NYSM archeological monitoring of Rapp Road at the Interstate 90 overpass. The Pickard/VanValkenburgh/McMichael historic site contained pipe stems, ceramics, glass, metal, brick, and bone. There were inclusions of both precontact materials and artifacts from the 1950s in the soils.

The Vereburgh Tavern site along Rapp Road south of Interstate 90 contained cultural materials from the 18<sup>th</sup> century.

#### ***State and National Registers***

The OPRHP files were examined for inventoried structures and archeological sites in the vicinity of the study area that are listed on or that have been determined to be eligible for listing on the State and National Registers of Historic Places. There are no properties listed on the State/National Registers located within or adjacent to the study area.

#### ***Previous Surveys***

The library at the OPRHP contained references to three previously conducted archeological surveys within an approximate one-half mile radius of the study area. The location, date, and results of the archeological investigations are presented below.

In October of 1982, the New York State Museum conducted a cultural resource survey of the New York State Thruway (Interstate 90) Exit 24 area (NYSM 1982). Archeological monitoring was recommended at one area of proposed impacts in the vicinity of the Vereburgh Tavern (A00140.000089). Another historic site associated with various historic occupants (A00140.002710) was identified in the monitoring, which was conducted in 1986.

In May of 1986, Balfour Associates conducted a cultural resource survey of storm sewers and street improvements on Stella Terrace in the Vic's Court area of the Village of Colonie, Albany County, New York (Balfour 1986). No cultural materials were recovered and no further investigation of that area was recommended.

In May of 1988, Hartgen Archeological Associates, Inc. conducted a Phase I Addendum survey of the Rapp Road Sanitary Landfill Expansion in the City of Albany, Albany County, New York (HAA, 1988). The survey identified several areas of previous disturbance from sand mining and bulldozing adjacent to the current project area's southern border. The trailer park area was described at that time as "leveled." No historic or precontact cultural materials were recovered from the survey and no further investigation was recommended.

#### **Precontact Overview**

Native peoples depended greatly on the rivers of New York as avenues of exploration, settlement, and trade. The Mohawk and Hudson Rivers were two key bodies of water in northeastern precontact time connecting north to south, and east to west passage routes. Before European arrival, the Hudson River provided a transportation route north from Long Island Sound to the Mohawk River, Lake George, and Lake Champlain. The Mohawk provided passage west to the Finger Lakes and the Great Lakes from which there were many more avenues of passage into the interior reaches of the continent. Many sites are located on the floodplains of these rivers, an environment, which when supplemented with an opportunistic technology, provided resources year-round. Eventually, several semipermanent and permanent villages were commonly developed on or near the floodplains of both of these rivers. The precontact sites previously identified in the vicinity of the project area do not list the diagnostic artifacts, so no clear date ranges of precontact sites are available. The proximity of a village site, or more than one village site, suggest a later occupation of the vicinity by precontact groups.

The tributaries of the Mohawk and Hudson Rivers were equally as important throughout the precontact era. Spring and summer fishing camps were located in these environments, and later during the Woodland period. Tributaries provided transportation into the back country where seasonal hunting grounds, forest zones, and lithic quarry resources were located. The Normanskill was a well-known stream in precontact time as evidenced by the numerous precontact sites that have been found along its marginal highlands and low-lying floodplains.

The earliest recognized period in Northeast prehistory, the Paleo-Indian period (10,500-7,000 B.C.) is poorly defined in the region and currently is recognized only by sporadic surface finds of "fluted" projectile points. As described by Ritchie (1980:7), the thin scatter of Paleo-Indian points in the Northeast follows the principal river

systems, and early populations most likely were located in large, fertile valleys and along coastal plains where large populations of food mammals roamed. The general opinion prevails that early regional populations became established in what is now Pennsylvania and southern Ohio and followed migrating caribou herds onto the newly deglaciated Northeast via river systems, such as the Susquehanna and the Delaware (Ritchie and Funk 1973:6). However, chert-type distributions in the Northeast suggest movement along a variety of routes.

The Archaic period (7,000-10,000 B.C.) is characterized by evidence of increased mobility and perhaps a wider distribution of populations throughout the Northeast. During the Archaic, mobility was regulated by the extraction of food and other subsistence resources within limited areas. Subsistence needs were met by hunting, fishing, and gathering, and settlement organization was tied closely to these strategies. Seasonal campsites occupied by small bands were common, and food procurement activities occurred in various areas as the seasons progressed. Most Early Archaic sites are small and lack traces of substantial dwellings, fortifications, storage pits, and graves typical of the Woodland period (Ritchie 1980:32). The body of known sites in the Northeast from the Late Archaic includes small hunting and gathering camps within drainage basins. Based on the analogy with historic hunters and gatherers, it is assumed that social organization consisted of bands occupying limited territories and moving with the seasons (Funk 1983:320). The varied sandy hills and ridges found along the southern and northern edges of the Normanskill are well-defined areas for Archaic sites, such as these described above.

Following the Archaic, the Woodland period (1,000-A.D. 1,600) was marked by increased sedentism and increased population density as precontact groups established fixed home bases. Evidence of large-scale storing of food resources in pits excavated into the ground and in large ceramic vessels is also present at this time. Based on the evidence compiled thus far, it appears that during this time, populations settled in the more resource-rich lowlands. The last stage of precontact in the Northeast, the Late Woodland, was characterized by population expansion that resulted in the development of the nations and tribes that were later encountered by European settlers. Territorial expansion was also common at this time (Brasser 1978:198-200).

The Late Woodland period is characterized by the development of the nations and tribes that were later encountered by European settlers. Territorialization distinguished certain parts of the state as larger tribes developed fixed homelands. Accordingly, the mid-Hudson and mid-Mohawk Valleys were included in the territory of the Mahican and Mohawk confederacies respectively. The Mahican territory extended from the Lake Champlain basin south into Dutchess County and covered parts of western Vermont and Massachusetts. The center of the Mohawk Territory lay between the confluence of the Schoharie Creek and the West Canada Creek. Much of the land north and south of here was used as hunting grounds. An ancient trail cut across the pine barrens from the Hudson River to Schenectady (skahnéhtati) to avoid the falls at Cohoes. This trail cut through the Colonie area. Hostilities between these two tribes inhibited the use of land west of the Hudson River Valley and likewise the Mohawks did not establish villages east of the Schoharie Creek (Brasser 1978:198-200).

As hostilities grew, the later villages of the Mahicans and Mohawks occupied hilltops where bark-covered longhouses and palisades were constructed overlooking the river valleys. Present data suggests that the villages were commonly occupied by approximately 200 individuals with at least three nuclear families housed in each longhouse. For subsistence, they depended mainly on a combination of horticulture, fishing, and hunting (Brasser 1978:198-200).

"In September of 1609 Henry Hudson and his Dutch crew sailed up the Hudson River. Arriving near the village of Schotak, he met an Indian Chief...The Indian brought the Dutch 'beaver skinnies and otter skinnies, which were bought for beads, knives and hatchets'" (Brasser 1978:198-200).

In the following year, the Dutch began to expand trade with the Mahicans exacerbating the hostilities between the Mahicans and Mohawks and fueling a trade war between the tribes. The Dutch established permanent trading posts along the Hudson and negotiated a treaty between the Mahicans and Mohawks to stabilize relations between the tribes. This treaty did not stop the Mahicans from monopolizing their trading position, however; they made the Mohawks pay for access into the trading posts (Brasser 1978:202). The continued expansion and control of the fur trade on the part of Mahicans was of great concern to the Mohawks as they played the role of the keepers' of the eastern door of the Iroquois Confederacy. Their fear that the Mahicans were attempting to forge a trade agreement with the Algonkians to the north provoked them into signing a treaty with both the French and Algonkians

and resulted ultimately in a raid on the Mahicans in 1624. Upon their defeat, the Mahicans were forced to abandon their territory west of the Hudson (Brasser 1978:203).

### **Historical Overview**

The Town of Guilderland was part of the great Manor of Rensselaerwyck granted by the Dutch in 1629 to Killian Van Rensselaer. Most of the early settlers were Dutch from Albany who leased the land from the van Rensselaers and settled along the Normans Kill. The area inland from the Normans Kill was settled later (Brinkman 1945:1). Prior to 1803 the area was part of Watervliet after which the Town of Guilderland was formed to include Knowersville (now Altamont), Guilderland Center, French's Hollow and Hamiltonville (now Guilderland).

### **Historical Map Review**

Several historical maps were examined for this property. These include 18<sup>th</sup>-century regional maps, 19<sup>th</sup>-century landowner maps and 20<sup>th</sup>-century topographic maps. The general vicinity of the study area is indicated on each map. A general description of the historical development of the study area is presented below.

Maps 4-6 are from the 18<sup>th</sup> century and are not to scale. The project area is located between two early roads connecting Albany (in the southeast along the Hudson River) to Schenectady (in the northwest along the Mohawk River). The closest structure to the project area is the Vereburgh Tavern to the south. This is identified as Verbergh on Map 4, #66 on Map 5, and Verberg on Map 6. No structures are depicted within the project area.

Maps 7-9 are from the 19<sup>th</sup> century and are basically at scale. The railroad bordering the project area is depicted on Map 7. By 1866 (Map 8), the railroad was part of the New York Central line. No structures are depicted within the project area up to the end of the 19<sup>th</sup> century (Map 9).

Maps 10-12 are from the 20<sup>th</sup> century. One structure is depicted within the project area on the 1927 USGS topographic map (Map 10). The exact date of construction is not known, but lies between 1893 and 1927. The elevation contour in the center of the project area is repeated on subsequent maps, but the center of the project area is very flat at present. The unidentified structure is indicated within the project area on the 1950 USGS topographic map (Map 11). By the time of the 1983 USGS and 1993 NYSDOT maps (Map 12 and Map 1), the trailer park is depicted and the single structure is no longer indicated.

### **SITE VISIT**

A site visit was conducted on November 7, 2005 by John Wilkinson. The site visit focused on assessing and photographing the general conditions within the project area.

Beginning at the entrance to the trailer park from Whitestone Road, there is a visible cut and grading along the high slope bordering the railroad tracks in the northeastern limit of the project area (Photo 1). There are several roads with residential trailer lots in the center of the project area (Photo 2). Most of the natural soils in the center portion of the project area have been leveled by bulldozing and residential excavations (Photos 3-4). There are numerous concrete pads (Photo 5) with associated buried utilities (Photo 6), such as septic services, at each lot. It is unlikely that any intact cultural deposits predating the 1950s are present in the central portion of the project area.

There is a single, large maple tree near the northern portion of the project area (Photo 7), where more natural topography is evident. This area is also very level, and may have been somewhat altered by past construction. For the most part, the far northern portion of the project area is typified by tertiary growth trees along a sizable wet area (Photos 8-10). The drier sections of the wooded space and open field are testable, and in relatively close proximity to a precontact village site.

There is another wet area with some wooded space in the western limit of the project area. There are areas of previous disturbance with limited testable space north, west and south of the last remaining residences in this area

(Photos 11-13). Again, the central project area is graded flat. Large push-piles are visible along the existing landfill area bordering the southwestern side of the project area. There are some large trees and limited testable area in the extreme southern portion of the project area (Photo 14).

A pump house is buried along the access road in the southeastern portion of the project area. The soils in this location are lumpy and appear to have been altered. Again, most of the lots on this road are extensively disturbed with grading, paving and utilities (Photo 15). There are some older trees along the access road and near the entrance at Whitestone Road. This area should be tested for traces of the map-documented structure (MDS) shown on Map 10. Late 19<sup>th</sup>-century to early-20<sup>th</sup>-century cultural deposits could be present in the southern or eastern portion of the project area.

#### **PRECONTACT ARCHAEOLOGICAL SENSITIVITY**

The OPRHP and the NYSM archeological site files identified precontact archeological sites within one mile of the study area. Some of these sites overlap and probably represent different reports of the same village site. Some archeological surveys in the area have produced precontact cultural materials, while others have not. A small waterway adjacent to the project area is depicted as traveling along or through the project area in earlier periods. Generally, areas in the vicinity of streams or swamps suggest a higher than average probability of occupation or use by Native Americans. There are no rock overhangs or rockfaces in the project area, and no bedrock outcrops that contain chert for quarrying.

Most of the project area has been disturbed by grading, sand mining, and the construction of residential lots and utilities. Large push-piles were visible along the borders of the project area. The wooded areas along the northern and southern limits of the project area have the most testable space with a moderate potential for precontact cultural materials. Otherwise, the project area is considered very low for sensitivity to the presence of precontact cultural materials.

#### **HISTORICAL ARCHAEOLOGICAL SENSITIVITY**

The examination of historical maps indicates that although a road network was located near the project area during the 18<sup>th</sup> and early 19<sup>th</sup> centuries, it wasn't until late in the 19<sup>th</sup> century or early in the 20<sup>th</sup> century that a structure was located in the project area. The structure was indicated along the southern limit of the project area, which is considered moderate for sensitivity to the presence of historic cultural materials. The remainder of the project area is considered low for sensitivity to the presence of historic cultural materials.

#### **RECOMMENDATIONS**

Subsurface field reconnaissance is recommended in the open and wooded spaces along the wet areas in the northern portion of the project area. Some of this area will probably be covered with water. Limited field reconnaissance is recommended in the southern portion of the project area, in the area of the larger trees and the approximate location of the MDS from Map 10. Testing is not recommended in the central section of the project area.

## PHASE IB: ARCHEOLOGICAL FIELD RECONNAISSANCE

### INTRODUCTION

Hartgen Archeological Associates, Inc. (HAA, Inc.) completed the Phase IB Field Reconnaissance between Monday, November 21 and Wednesday, November 23. The field crew consisted of Blake Peschel, Steve Riester, Pete Matranga, and Shannon Wright. Abigail McGuirk was field director, John Wilkinson was project director, and Lori Blair was project manager. Weather conditions ranged from clear and breezy to a light rain.

The project area was divided into four sections for excavation purposes with a total of 144 shovel test pits (STPs) completed (Map 2c). Area 1 was located along the northwestern edge and was the largest area tested with 112 STPs. Area 2 was adjacent to the landfill wall along the southwestern edge and contained ten STPs. Area 3 consisted of 14 STPs in a small 150 x 200 sq. ft. (13.9 x 18.6 sq. m) plot of land surrounding a pump house and Area 4 was located slightly south of the entrance to the project area and contained 8 STPs. A total of four tests were positive for historic artifacts (STPs 66, 123, 134, 135) and no precontact artifacts were recovered.

### FIELD METHODOLOGY

The field methodology consisted of the hand excavation of screened shovel tests across the project area. Shovel tests were completed every fifty feet (15.24 m) in Area 1 and Area 3. In Area 2 and Area 4 increased interval testing of 100 ft (30.48 m) was used. Each test was 40 cm (15.7 in) in diameter and was excavated to a depth of at least 10 cm (4 in) into sterile subsoil. Within each test, individual stratigraphic levels were excavated separately with soils passed through 0.25 inch (0.64 cm) hardware cloth. The depth, Munsell (1994) color, and soil textures of each level were recorded (Appendix 1).

### LABORATORY PROCEDURE AND ANALYSIS

The artifacts obtained during fieldwork were brought to the HAA, Inc. laboratory facility in North Greenbush for analysis. The artifacts were washed and air-dried or brushed if washing was not appropriate. Each artifact was assigned a catalog number and entered into a *Microsoft Access* database (Appendix 2).

### FIELD RESULTS

#### AREA 1

Area 1 is located along the entire northwestern edge of the project area and included STPs 1-112. No artifacts were recovered in Area 1, which is closest to the reported precontact sites within a mile of the project area. Twenty-one transects, each containing four to six STPs at standard intervals of 50 feet (15.2 m) were laid out approximately east to west. A drainage ditch ran roughly parallel to the edge of the project area and the transect ends abutted this ditch. The remaining land beyond the ditch consisted of delineated wetlands with heavy brush and pockets of standing water. No tests were excavated in this area (Photo 16.)

The soils in Area 1 generally consisted of two levels. Level one of STPs 1-36 was grayish-brown, sandy silt. Level 2 consisted of yellowish-brown sand. Average termination depth was 51 cm (20.1 in). In STPs 37-86, Level 1 consisted of very dark brown, silty sand over the brown, sand of Level 2. Average termination depth was 50 cm (19.7 in). One test in this section, STP 66, contained a burned soil layer at 32 cm (12.6 in). Modern shoe leather was recovered from the burned soil level adjacent to an abandoned trailer lot. These materials are not historically significant (Photo 17.)

STPs 87-112 were excavated at the western edge of Area 1. Level 1 consisted of very dark brown, silty sand over the yellowish-brown sand of Level 2. The average termination depth was 51 cm (20.1 in). No cultural materials were recovered from STPs 87-112. A second drainage ditch, perpendicular to the first, runs adjacent to the modern landfill wall along the southwestern edge of the project area. A culvert between the two drainages had been installed just west of STP 112 (Photo 18.)

### **AREA 2**

Area 2 is approximately 150 x 500 sq ft (13.9 x 46.5 sq m) and was located along the southwestern edge of the project area adjacent to the modern landfill wall. Several paved trailer lots were located in this area along with numerous utilities, resulting in areas of previous disturbance between large trees. As a result, 100-foot (30.5 m) interval testing was used (Photo 19.) STPs 113-122 in this section contained two soil levels. Level 1 consisted of dark brown, silty sand over the yellowish-brown sand of Level 2. Average termination depth was 51 cm (20.1 in). STPs 116 and 117 had an extra layer of sandy fill near the surface. No cultural materials were recovered in Area 2.

### **AREA 3**

Area 3 is approximately 150 x 200 sq ft (13.9 x 18.6 sq m) and located around a half-buried, modern pump house. STPs 123-136 were excavated in Area 3. Level 1 consisted of very dark, grayish-brown, silty sand fill. Level 2 consisted of yellowish-brown sand. Average termination depth was 43 cm (16.9 in). Three tests (STPs 123, 134, 135) in this area contained cultural materials. Level 1 of STP 123 contained a fragment of hand-blown bottle glass in fill soil close to two paved trailer lots (Photo 20.) STP134 had a small whiteware fragment and STP 135 had a fragment of buff bodied earthenware. A historic structure was documented on this spot (see historic map overview, Maps 10 and 11.) A modern pump house is currently in this location, surrounded by lumpy, disturbed soils and empty trailer lots. Most of this area has been leveled and disturbed by utilities and leach fields (Photo 21.)

### **AREA 4**

Area 4 is located just to the south of the entrance of the project area and consisted of 8 STPs (137-144) between some larger trees (Photo 22.) A trailer lot was previously located here and the soils were partially disturbed. Level 1 consisted of dark, yellowish-brown, silty sand over the brownish-yellow sand of Level 2. Average termination depth was 41 cm (16.1 in). Level one in STPs 142-144 was very thin and the area appeared to have been cut back and leveled. No cultural materials were recovered from Area 4 (Photo 23.)

## **RECOMMENDATIONS**

No significant cultural materials were recovered during the Phase IB excavations. Under the current design plan, no further archaeological investigation is recommended.

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1927 *Albany 15' Topographic Quadrangle, New York*. U.S. Government Printing Office, Washington, D.C.

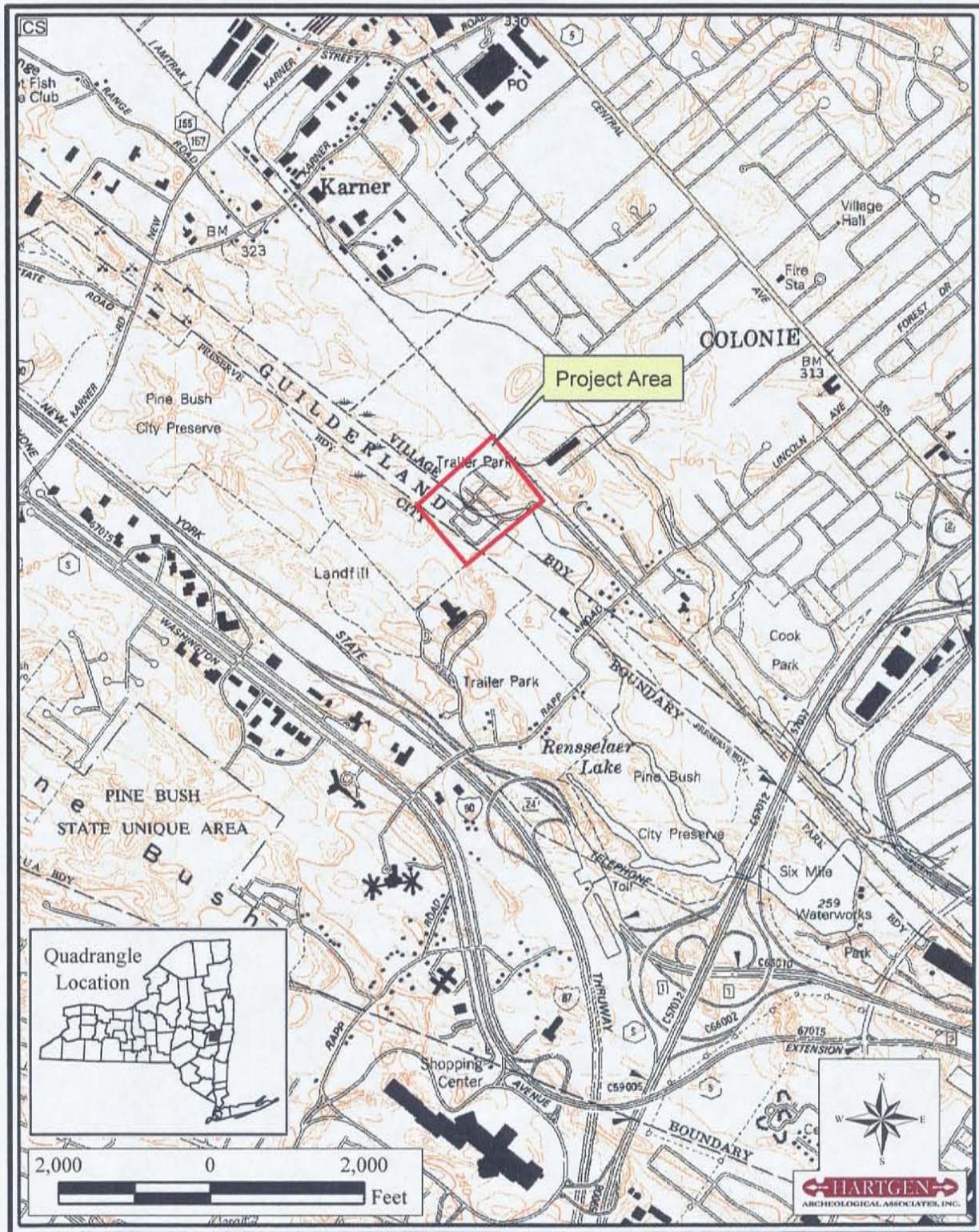
1950 *Albany 15' Topographic Quadrangle, New York*. U.S. Government Printing Office, Washington, D.C.

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MAPS

*Classified*

Phase I Archeological Survey, Proposed Albany Landfill Expansion, Albany County



Map 1

1993 NYSDOT Albany 7.5' Topographic Quadrangle, New York

*Phase I Archeological Survey, Proposed Albany Landfill Expansion, Albany County*

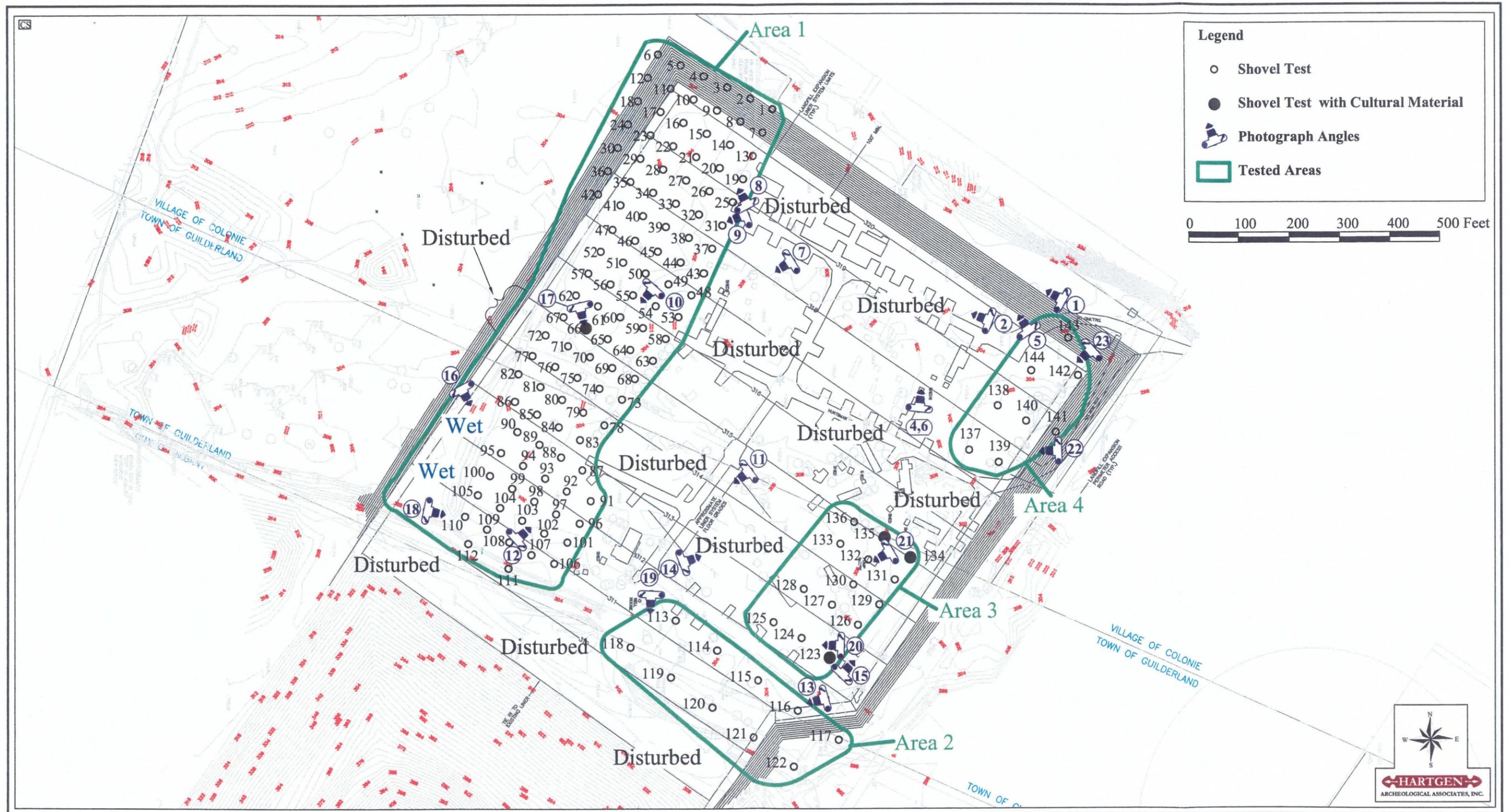


**Map 2a**  
2005 CHA Aerial Photograph of Project Area



Map 2b

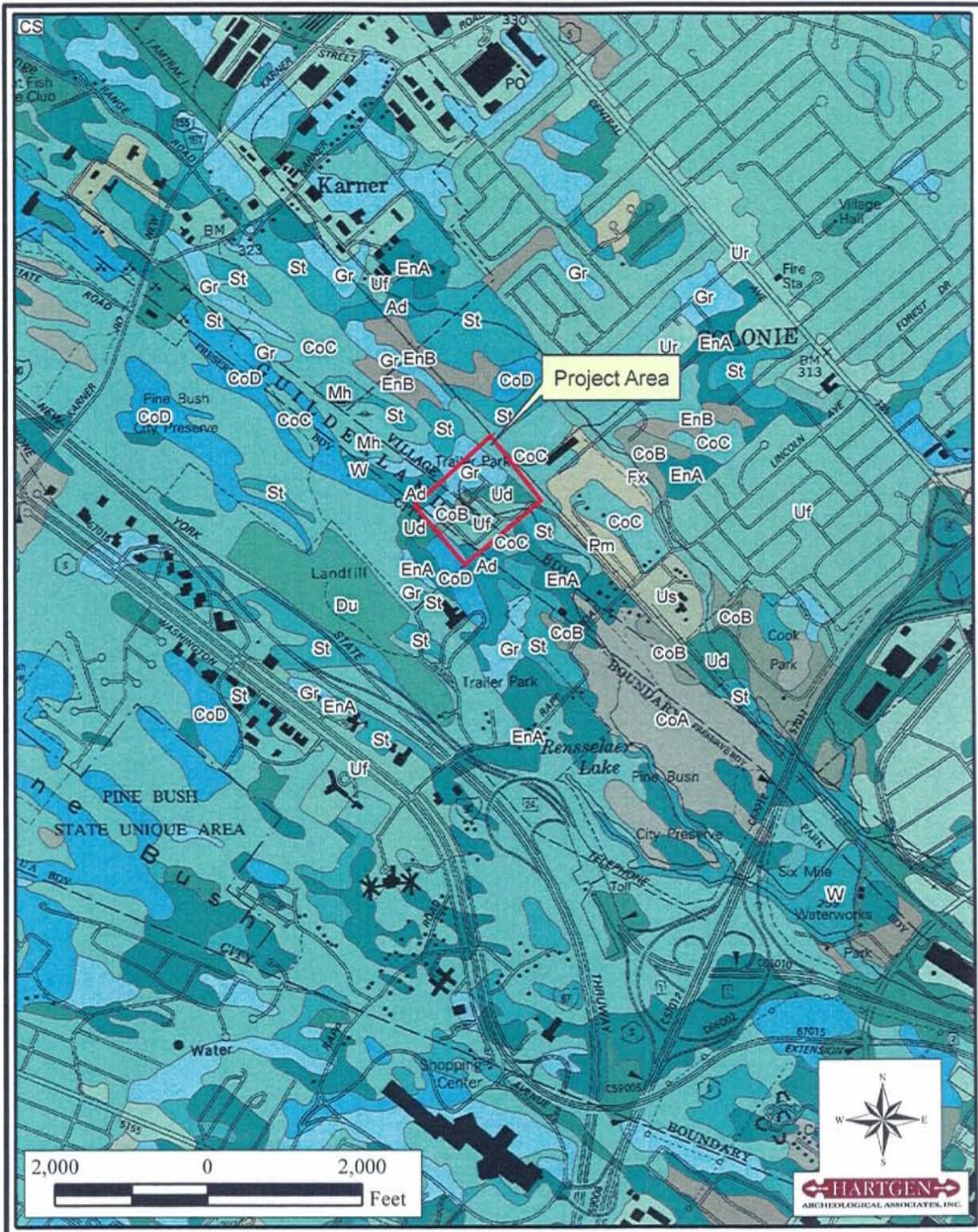
2004 NYS Office of Cyber Security and Critical Infrastructure Albany County 1-foot Resolution Natural Color Orthoimagery



Map 2c

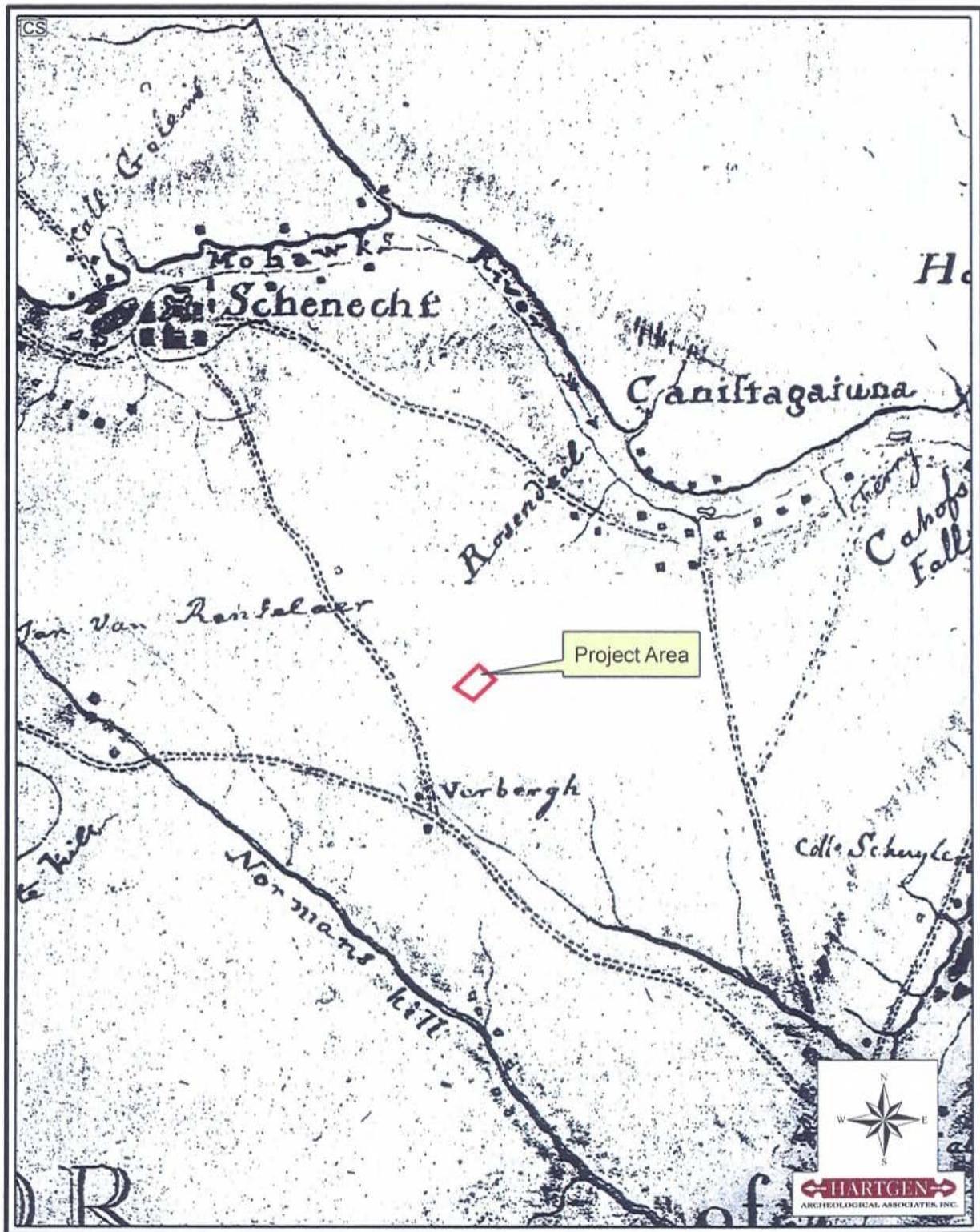
2005 CHA, LLP Project Map with Shovel Tests and Photo Angles

Phase I Archeological Survey, Proposed Albany Landfill Expansion, Albany County



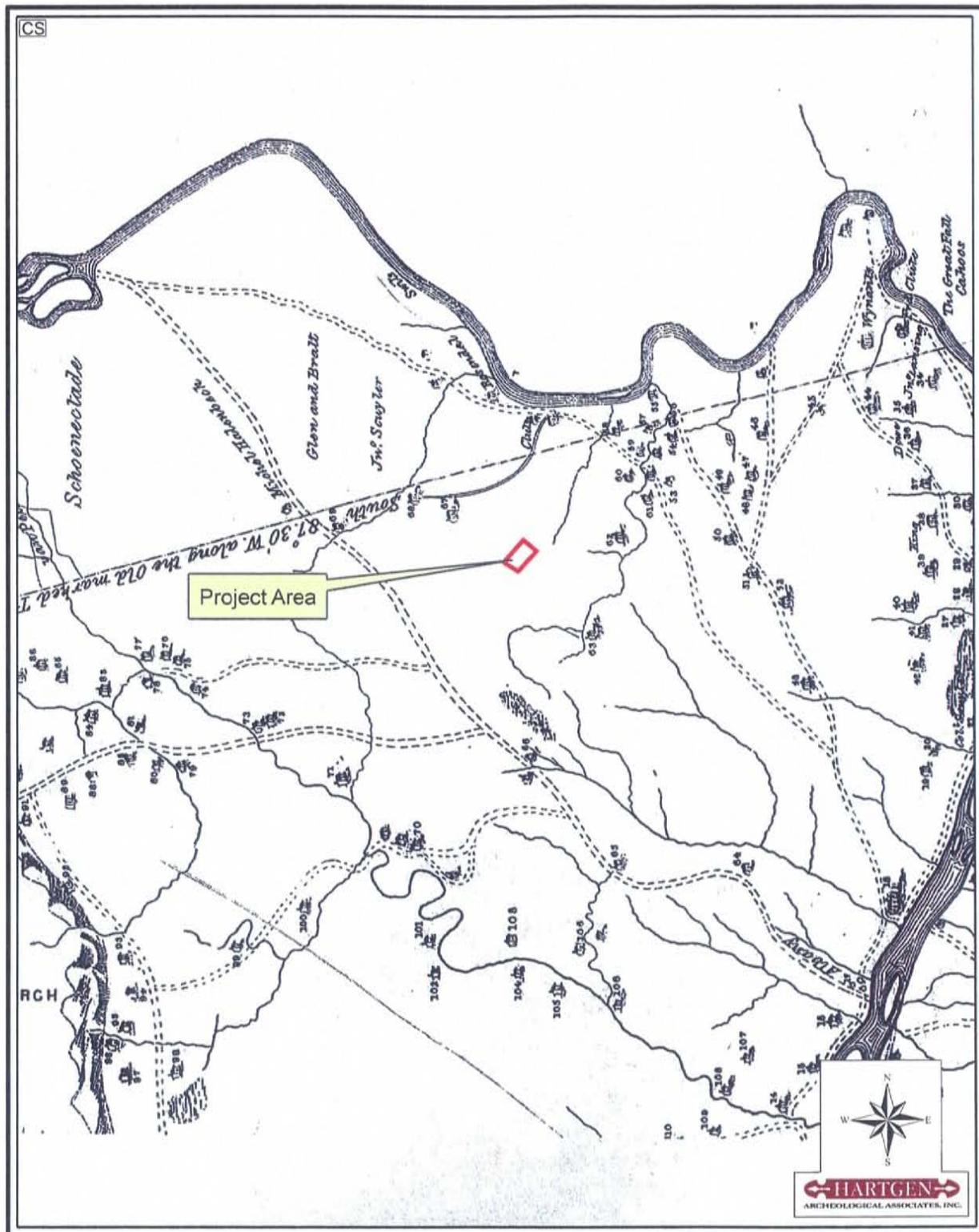
Map 3

2004 USDA Soil Survey Geographic (SSURGO) for Albany County, New York



Map 4

1756 Albany County Map of the County of Albany



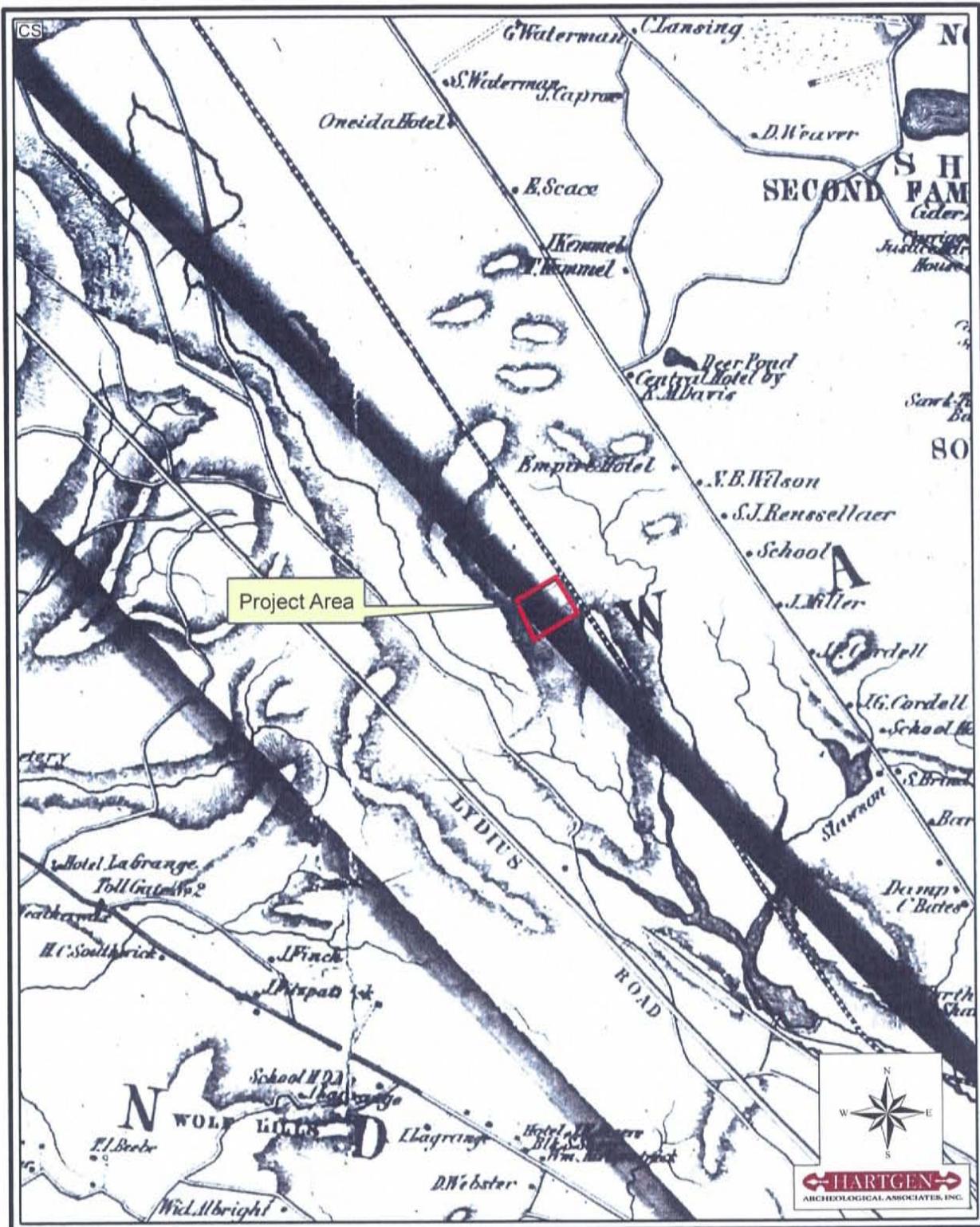
Map 5

1767 Bleeker Map of the Manor Renselaerwyck



Map 6

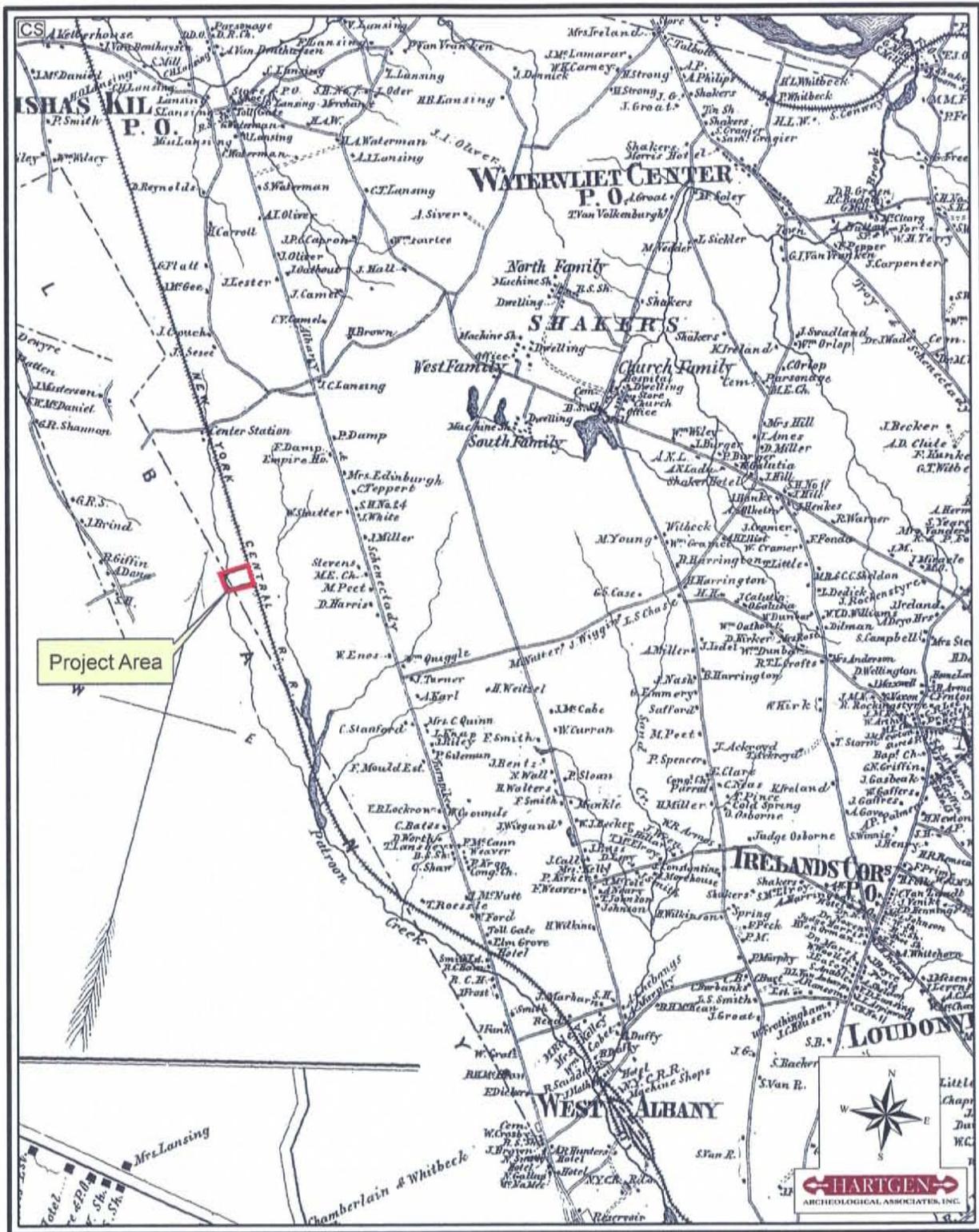
1779 Sauthier A Chorographical Map of the Province of New York in North America



Map 7

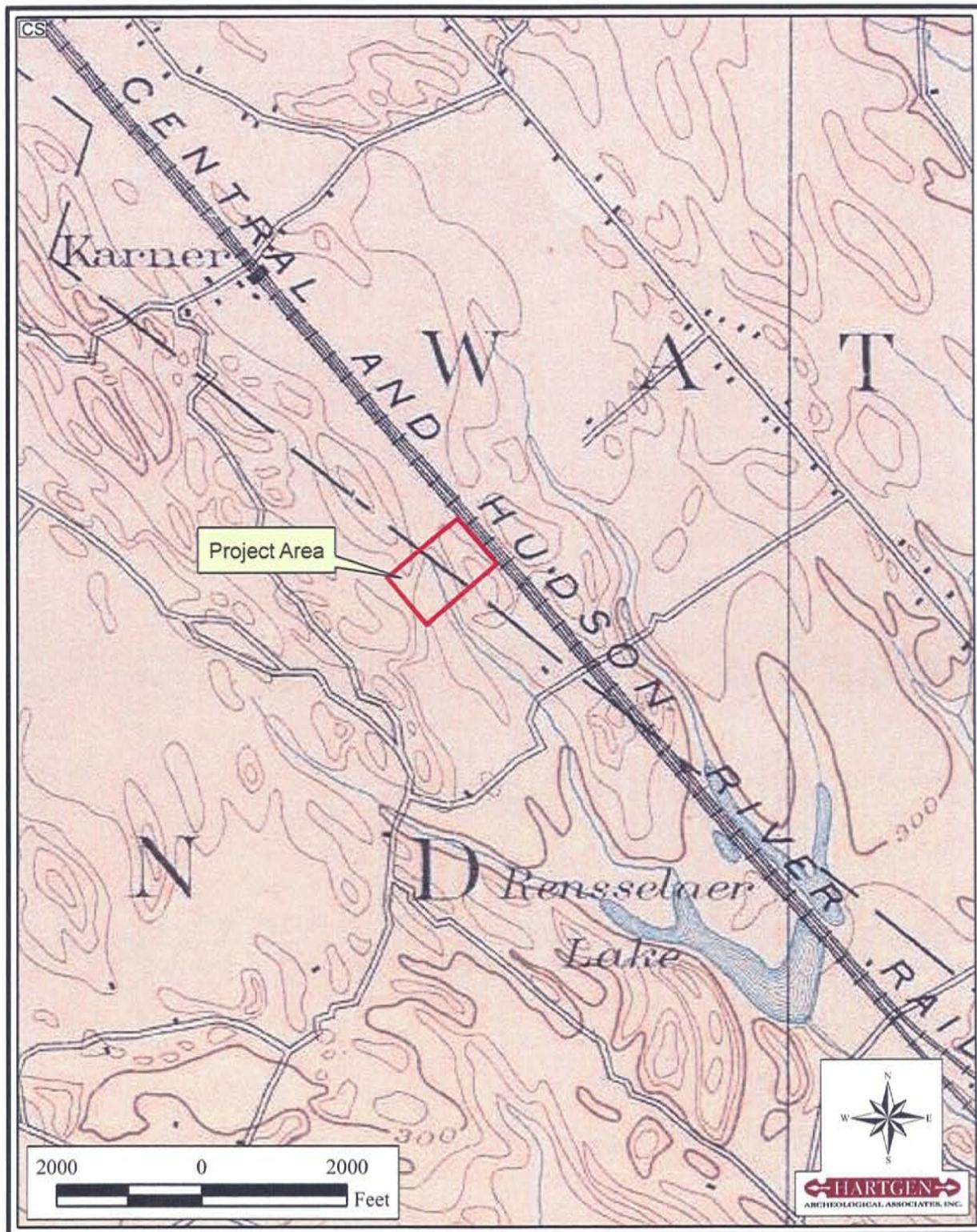
1854 Gould and Moore Map of Albany County, New York

Phase I Archeological Survey, Proposed Albany Landfill Expansion, Albany County



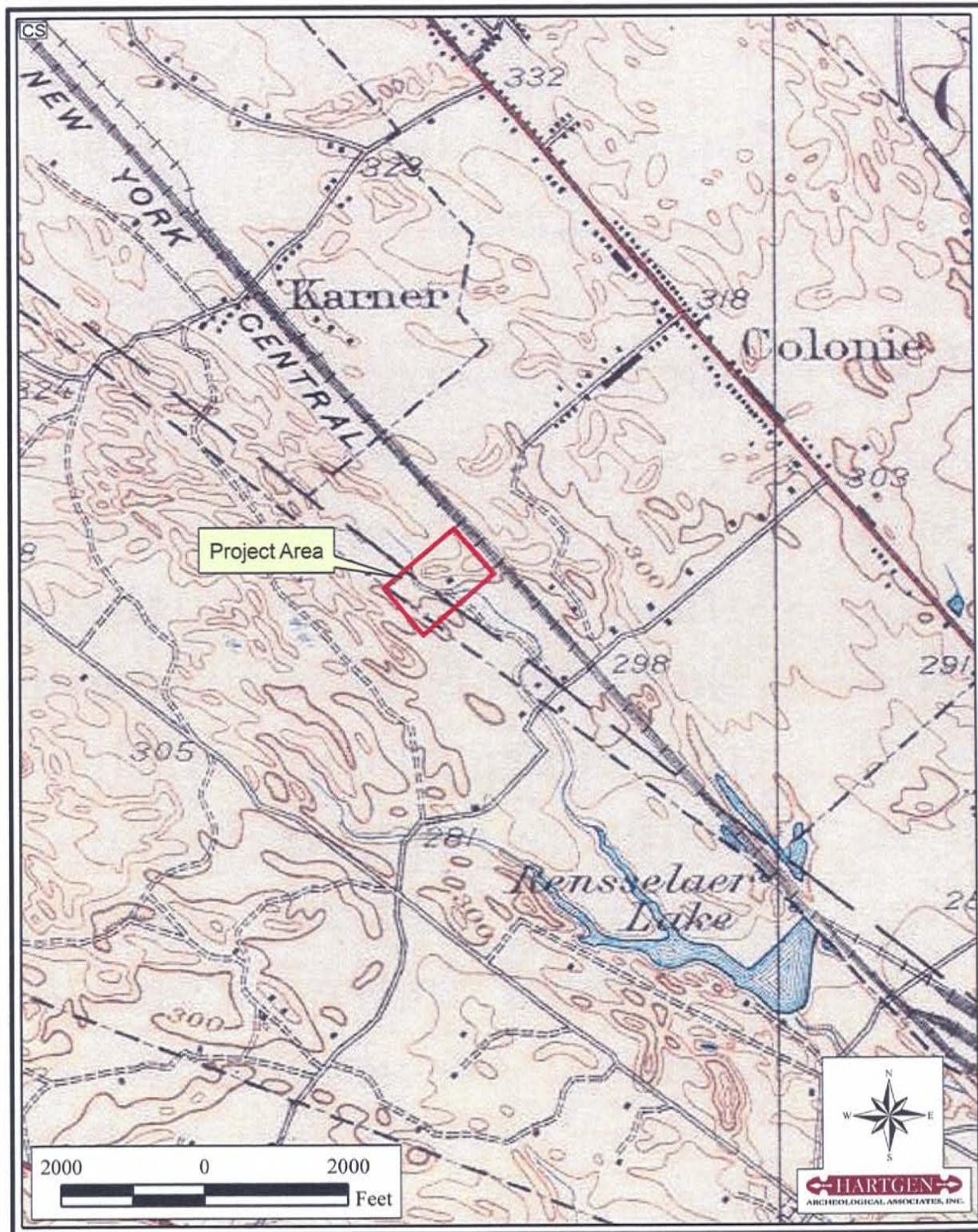
Map 8

1866 Beers New Topographical Atlas of the Counties of Albany and Schenectady



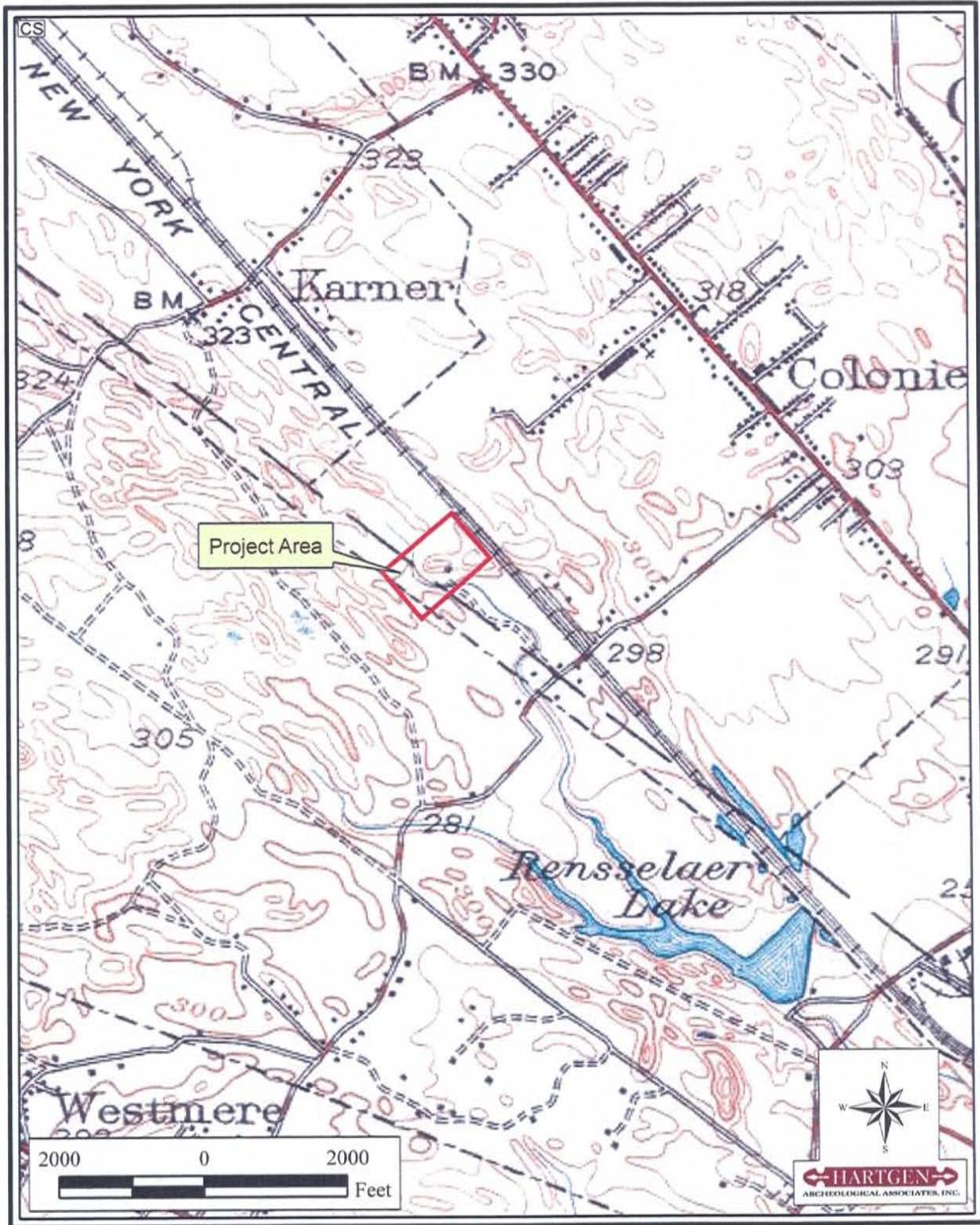
Map 9

1893 USGS Albany 15' Topographic Quadrangle, New York



Map 10

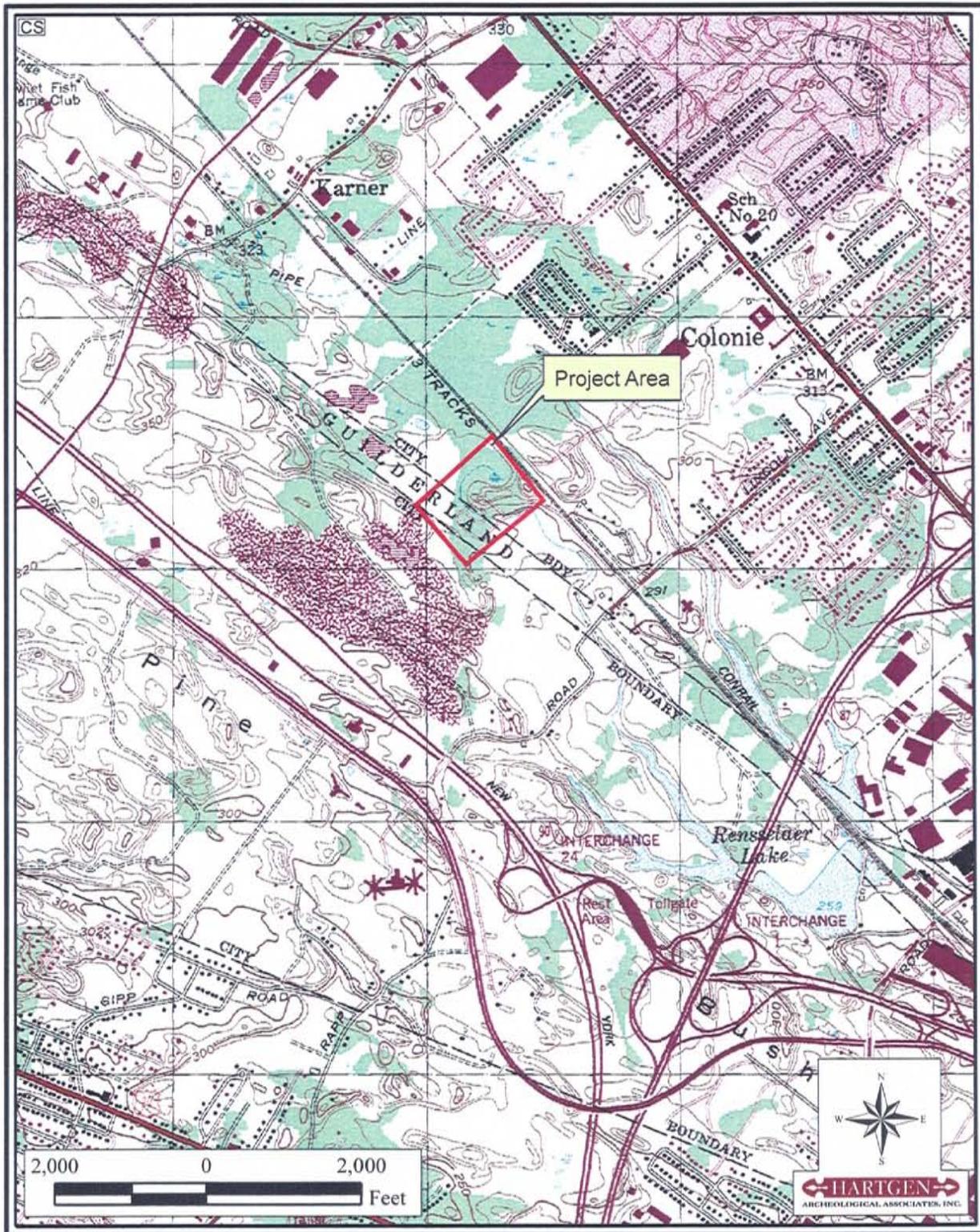
1927 USGS Albany 15' Topographic Quadrangle, New York



Map 11

1950 USGS Albany 15' Topographic Quadrangle, New York

Phase I Archeological Survey, Proposed Albany Landfill Expansion, Albany County



Map 12  
1983 USGS Albany 7.5' Topographic Quadrangle, New York

**PHOTOGRAPHS**



1. Northwest view of the graded topography of the project area and the steep slope along the outside of the project area.



2. Northwest view of one of several short roads with residential lots in the central portion of the project area.



3. Southwest view of the central portion of the project area, facing the existing landfill. This area is bulldozed and previously excavated for numerous utilities and septic fields.



4. North view of a typical area of previous disturbance in the center of the project area.



5. Northwest view of a concrete pad used for residential trailers.



6. North view of graded soil and multiple buried utilities, such as are found at most of the trailer lots.



7. Southwest view of a large, red maple in the northern portion of the project area. There are utilities in this graded area, with open space nearby.



8. North view of the open space along the wet area at the northern end of the project area.



9. West view of a level, probably graded open space and wet area in the northern section of the project area.



10. Southwest view of a landscaped area with plantings along the northern limit of the project area.



11. West view of the graded area in the northwestern limit of the project area. There is some open space along the wet area in the distance, which may also be graded.



12. East view of the ground surface in the northwestern portion of the project area.



13. Northwest view of a large tree in the southwestern portion of the project area. It is possible there are historic deposits in this area, which also appears to be partly disturbed.



14. East view of the graded central portion of the project area from the western side of the project area.



15. Northeast view of concrete pads and disturbed soils along the access road in the southern portion of the project area, near the MDS location from Map 10.



16. Southwest view of the project area beyond the western ditch consisting of moist wetlands with heavy brush and pockets of standing water.



17. STP 66 in Area 1 recovered modern shoe leather in the reddish burn layer.



18. Southerly view of the culvert connecting the northwestern and southwestern drainages just west of STP 112 in Area 1.



19. Southwest view in Area 2 showing heavy utility disturbance.



20. West view of STP 123 in Area 3, documenting disturbances surrounding the shovel test.



21. Southwest view of the pump house and STP 135 in Area 3. Disturbances in this area include utilities, grading, and leech fields.



22. Northwest view in Area 4 including leveled areas, large trees and utilities.



23. West view in Area 4 displaying the leveled area just south of the entrance to the project area.

**APPENDIX 1:**  
**Shovel Test Records**

**Phase IA/IB Archaeological Survey, Proposed Albany Landfill Expansion, Albany County  
Shovel Test Records**

	<u>Depth (cm)</u>	<u>Soil Type</u>	<u>Soil Inclusions</u>	<u>Munsell Color</u>		<u>Termination Reason</u>
1	0 - 33	sandy silt		10YR 2/2	very dark brown	
	33 - 53	sand		10YR 5/3	brown	sterile soil
2	0 - 31	sandy silt		10YR 2/2	very dark brown	
	31 - 48	sand		10YR 5/3	brown	sterile soil
3	0 - 29	sandy silt		10YR 2/2	very dark brown	
	29 - 50	sand		10YR 5/3	brown	sterile soil
4	0 - 28	sandy silt		10YR 2/2	very dark brown	
	28 - 47	sand		10YR 5/3	brown	sterile soil
5	0 - 27	sandy silt		10YR 2/2	very dark brown	
	27 - 39	sand		10YR 5/3	brown	sterile soil
6	0 - 21	sandy silt		10YR 2/2	very dark brown	roots
7	0 - 32	silty sand		10YR 3/1	very dark gray	
	32 - 69	sand		10YR 5/2	grayish brown	sterile soil
8	0 - 26	silty sand		10YR 3/1	very dark gray	
	26 - 72	sand		10YR 5/2	grayish brown	sterile soil
9	0 - 28	silty sand		10YR 3/1	very dark gray	
	28 - 65	sand		10YR 5/2	grayish brown	sterile soil
10	0 - 29	silty sand		10YR 3/1	very dark gray	
	29 - 70	sand		10YR 5/2	grayish brown	sterile soil
11	0 - 28	silty sand		10YR 3/1	very dark gray	
	28 - 64	sand		10YR 5/2	grayish brown	sterile soil
12	0 - 34	silty sand		10YR 3/1	very dark gray	
	34 - 68	sand		10YR 5/2	grayish brown	sterile soil
13	0 - 28	sandy silt		10YR 2/1	black	
	28 - 86	sand		10YR 4/2	dark grayish brown	depth
14	0 - 24	sandy silt		10YR 2/1	black	
	24 - 57	sand		10YR 4/2	dark grayish brown	sterile soil
15	0 - 42	sandy silt		10YR 2/1	black	
	42 - 56	sand		10YR 4/2	dark grayish brown	sterile soil
16	0 - 33	sandy silt		10YR 2/1	black	
	33 - 45	sand		10YR 4/2	dark grayish brown	sterile soil
17	0 - 23	sandy silt		10YR 2/1	black	
	23 - 38	sand		10YR 4/2	dark grayish brown	sterile soil
18	0 - 31	sandy silt		10YR 2/1	black	
	31 - 51	sand		10YR 4/2	dark grayish brown	sterile soil
19	0 - 51	sandy silt		10YR 2/1	black	roots
20	0 - 25	sandy silt		10YR 2/1	black	
	25 - 37	sand		10YR 4/2	dark grayish brown	sterile soil
21	0 - 34	sandy silt		10YR 2/1	black	
	34 - 46	sand		10YR 4/2	dark grayish brown	sterile soil

**Phase IA/IB Archaeological Survey, Proposed Albany Landfill Expansion, Albany County  
Shovel Test Records**

	<u>Depth (cm)</u>	<u>Soil Type</u>	<u>Soil Inclusions</u>	<u>Munsell Color</u>		<u>Termination Reason</u>
22	0 - 29	sandy silt		10YR 2/1	black	
	29 - 44	sand		10YR 4/2	dark grayish brown	sterile soil
23	0 - 24	sandy silt		10YR 2/1	black	
	24 - 41	sand		10YR 4/2	dark grayish brown	subsoil
24	0 - 18	sandy silt		10YR 2/1	black	
	18 - 37	sand		10YR 5/3	brown	subsoil
25	0 - 45	silty sand		10YR 3/1	very dark gray	
	45 - 65	sand		10YR 6/3	pale brown	sterile soil
26	0 - 35	silty sand		10YR 3/1	very dark gray	
	35 - 59	sand		10YR 6/3	pale brown	sterile soil
27	0 - 29	silty sand		10YR 3/1	very dark gray	
	29 - 62	sand		10YR 6/3	pale brown	sterile soil
28	0 - 27	silty sand		10YR 3/1	very dark gray	
	27 - 65	sand		10YR 6/3	pale brown	sterile soil
29	0 - 24	silty sand		10YR 3/1	very dark gray	
	24 - 50	sand		10YR 4/2	dark grayish brown	sterile soil
30	0 - 14	silty sand		10YR 3/1	very dark gray	
	14 - 45	sand		10YR 4/2	dark grayish brown	sterile soil
31	0 - 35	sandy silt		10YR 2/2	very dark brown	
	35 - 56	sand		10YR 5/3	brown	sterile soil
32	0 - 39	sandy silt		10YR 2/2	very dark brown	
	39 - 55	sand		10YR 5/3	brown	sterile soil
33	0 - 31	sandy silt		10YR 2/2	very dark brown	
	31 - 45	sand		10YR 5/3	brown	sterile soil
34	0 - 25	sandy silt		10YR 2/2	very dark brown	
	25 - 40	sand		10YR 5/3	brown	sterile soil
35	0 - 22	sandy silt		10YR 2/2	very dark brown	roots
36	0 - 15	sandy silt		10YR 2/2	very dark brown	
	15 - 24	sand		10YR 5/3	brown	
	24 - 36	sand		10YR 4/2	dark grayish brown	sterile soil
37	0 - 39	silty sand		10YR 3/2	very dark grayish brown	
	39 - 52	sand		10YR 5/3	brown	sterile soil
38	0 - 36	silty sand		10YR 3/2	very dark grayish brown	
	38 - 51	sand		10YR 5/3	brown	sterile soil
39	0 - 30	silty sand		10YR 3/2	very dark grayish brown	
	30 - 44	sand		10YR 5/3	brown	sterile soil
40	0 - 26	clayey silt		10YR 2/1	black	
	26 - 40	sand		10YR 4/2	dark grayish brown	sterile soil
41	0 - 31	clayey silt		10YR 2/1	black	
	31 - 42	sand		10YR 4/2	dark grayish brown	sterile soil

**Phase IA/IB Archaeological Survey, Proposed Albany Landfill Expansion, Albany County  
Shovel Test Records**

	<u>Depth (cm)</u>	<u>Soil Type</u>	<u>Soil Inclusions</u>	<u>Munsell Color</u>		<u>Termination Reason</u>
42	0 - 22	sandy silt		10YR 2/1	black	roots
43	0 - 14	silty sand		10YR 3/1	very dark gray	
	14 - 52	sand		10YR 5/8	yellowish brown	sterile soil
44	0 - 32	silty sand		10YR 3/1	very dark gray	
	32 - 55	sand		10YR 5/3	brown	sterile soil
45	0 - 28	silty sand		10YR 3/1	very dark gray	
	28 - 57	sand		10YR 5/2	grayish brown	sterile soil
46	0 - 33	silty sand		10YR 3/1	very dark gray	
	33 - 52	sand		10YR 5/3	brown	sterile soil
47	0 - 26	silty sand		10YR 3/1	very dark gray	
	26 - 50	sand		10YR 5/1	gray	sterile soil
48	0 - 11	sandy silt		10YR 3/2	very dark grayish brown	
	11 - 46	sand		10YR 4/6	dark yellowish brown	sterile soil
49	0 - 26	sandy silt		10YR 4/3	brown	
	26 - 41	sand		10YR 4/6	dark yellowish brown	sterile soil
50	0 - 25	sandy silt		10YR 2/1	black	
	25 - 41	sand		10YR 4/2	dark grayish brown	sterile soil
51	0 - 34	sandy silt		10YR 2/1	black	
	34 - 47	sand		10YR 4/2	dark grayish brown	sterile soil
52	0 - 27	sandy silt		10YR 2/1	black	
	27 - 41	sand		10YR 4/2	dark grayish brown	sterile soil
53	0 - 11	sandy silt		10YR 2/2	very dark brown	
	11 - 24	sand		10YR 4/3	brown	
	24 - 45	sand		10YR 5/8	yellowish brown	sterile soil
54	0 - 29	silty sand		10YR 4/3	brown	
	29 - 41	sand		10YR 5/8	yellowish brown	sterile soil
55	0 - 35	silty sand		10YR 2/2	very dark brown	
		silty sand		10YR 2/2	very dark brown	
	35 - 49	sand		10YR 4/2	dark grayish brown	sterile soil
56	0 - 27	silty sand		10YR 2/1	black	
	27 - 46	sand		10YR 4/2	dark grayish brown	sterile soil
57	0 - 36	silty sand		10YR 2/1	black	
	36 - 49	sand		10YR 4/2	dark grayish brown	sterile soil
58	0 - 17	silty sand		10YR 3/1	very dark gray	
	17 - 47	sand		10YR 5/8	yellowish brown	sterile soil
59	0 - 31	silty sand		10YR 2/1	black	
	31 - 59	sand		10YR 5/3	brown	sterile soil
60	0 - 28	silty sand		10YR 2/1	black	
	28 - 53	sand		10YR 5/3	brown	sterile soil

**Phase IA/IB Archaeological Survey, Proposed Albany Landfill Expansion, Albany County  
Shovel Test Records**

	<u>Depth (cm)</u>	<u>Soil Type</u>	<u>Soil Inclusions</u>	<u>Munsell Color</u>		<u>Termination Reason</u>
61	0 - 28	silty sand		10YR 2/1	black	
	28 - 57	sand		10YR 5/8	yellowish brown	sterile soil
		sand		10YR 5/3	brown	sterile soil
62	0 - 26	silty sand		10YR 2/1	black	
	26 - 49	sand		10YR 5/3	brown	sterile soil
63	0 - 11	sandy silt		10YR 3/2	very dark grayish brown	
	11 - 30	sand		10YR 6/8	brownish yellow	
	30 - 42	sand		10YR 3/3	dark brown	sterile soil
64	0 - 33	sandy silt		10YR 3/2	very dark grayish brown	
	33 - 44	sand		10YR 5/3	brown	sterile soil
65	0 - 34	sandy silt		10YR 3/2	very dark grayish brown	
	34 - 48	sand		10YR 5/3	brown	sterile soil
66	0 - 30	clayey silt		10YR 2/2	very dark brown	
	30 - 36	sandy clay		2.5YR 2.5/4	very dusky red	
	36 - 43	clayey sand		10YR 5/2	grayish brown	
	43 - 60	sand		10YR 3/2	very dark grayish brown	sterile soil
67	0 - 27	clayey sand		10YR 3/3	dark brown	
	27 - 39	clayey silt		10YR 5/2	grayish brown	sterile soil
68	0 - 13	silty sand		10YR 2/1	black	
	13 - 33	sand		10YR 5/8	yellowish brown	
	33 - 51	silty sand		10YR 2/1	black	
	51 - 65	sand		10YR 4/2	dark grayish brown	depth
69	0 - 18	sandy silt		10YR 2/2	very dark brown	
	18 - 28	silty sand		10YR 2/1	black	
	28 - 46	sand		10YR 4/2	dark grayish brown	sterile soil
70	0 - 31	sandy silt		10YR 2/1	black	
	31 - 46	sand		10YR 4/2	dark grayish brown	sterile soil
71	0 - 26	sandy silt		10YR 3/2	very dark grayish brown	
	26 - 47	sand		10YR 3/3	dark brown	sterile soil
72	0 - 29	sandy silt		10YR 2/2	very dark brown	
	29 - 41	sand		10YR 4/2	dark grayish brown	sterile soil
73	0 - 15	silty sand		10YR 3/2	very dark grayish brown	
	15 - 27	sand		10YR 3/3	dark brown	
	27 - 74	sand		10YR 4/6	dark yellowish brown	sterile soil
		sand		10YR 4/2	dark grayish brown	sterile soil
74	0 - 16	silty sand		10YR 4/2	dark grayish brown	
	16 - 22	sand		10YR 4/6	dark yellowish brown	
	22 - 26	sand		10YR 2/1	black	
	26 - 52	sand		10YR 5/2	grayish brown	sterile soil
75	0 - 27	silty sand		10YR 2/2	very dark brown	
	27 - 43	sand		10YR 4/6	dark yellowish brown	sterile soil

**Phase IA/IB Archaeological Survey, Proposed Albany Landfill Expansion, Albany County  
Shovel Test Records**

	<u>Depth (cm)</u>	<u>Soil Type</u>	<u>Soil Inclusions</u>	<u>Munsell Color</u>		<u>Termination Reason</u>
76	0 - 20	silty sand		10YR 2/2	very dark brown	
	20 - 43	sand		10YR 4/6	dark yellowish brown	sterile soil
77	0 - 24	silty sand		10YR 4/2	dark grayish brown	
	24 - 35	sand		10YR 4/6	dark yellowish brown	
	35 - 41	sand		10YR 4/2	dark grayish brown	
	41 - 65	sand		10YR 5/1	gray	sterile soil
78	0 - 21	silt		10YR 3/3	dark brown	
	21 - 41	sand		10YR 5/6	yellowish brown	sterile soil
79	0 - 22	silt		10YR 3/3	dark brown	
	22 - 40	sand		10YR 5/8	yellowish brown	sterile soil
80	0 - 34	silt		10YR 2/1	black	
	34 - 52	sand		10YR 5/3	brown	sterile soil
81	0 - 34	silt		10YR 3/3	dark brown	
	34 - 47	sand		10YR 5/3	brown	sterile soil
82	0 - 32	silt		10YR 3/3	dark brown	
	32 - 51	sand		10YR 5/6	yellowish brown	sterile soil
83	0 - 9	sandy silt		10YR 3/2	very dark grayish brown	
	9 - 53	sand		10YR 4/4	dark yellowish brown	sterile soil
84	0 - 20	sandy silt		10YR 3/2	very dark grayish brown	
	20 - 53	sand		10YR 5/6	yellowish brown	sterile soil
85	0 - 23	clayey silt		10YR 2/2	very dark brown	
	23 - 37	sand		10YR 5/3	brown	sterile soil
86	0 - 30	sandy silt		10YR 2/1	black	
	30 - 51	sand		10YR 4/2	dark grayish brown	sterile soil
87	0 - 15	silty sand		10YR 3/2	very dark grayish brown	
	15 - 20	sand		10YR 2/2	very dark brown	
	20 - 63	sand		10YR 5/4	yellowish brown	sterile soil
88	0 - 16	silty sand		10YR 3/2	very dark grayish brown	
	16 - 22	sand		10YR 5/4	yellowish brown	
	22 - 53	sand		10YR 3/2	very dark grayish brown	sterile soil
89	0 - 21	silty sand		10YR 3/2	very dark grayish brown	
	21 - 36	sand		10YR 5/4	yellowish brown	
	36 - 38	sand		10YR 2/1	black	
	38 - 55	sand		10YR 4/1	dark gray	sterile soil
90	0 - 34	silty sand		10YR 2/1	black	
	31 - 51	sand		10YR 4/2	dark grayish brown	sterile soil
91	0 - 28	silty sand		10YR 2/2	very dark brown	
	28 - 57	sand		10YR 5/8	yellowish brown	sterile soil
92	0 - 10	silty sand		10YR 2/2	very dark brown	
	10 - 54	sand		10YR 5/8	yellowish brown	sterile soil

**Phase IA/IB Archaeological Survey, Proposed Albany Landfill Expansion, Albany County  
Shovel Test Records**

	<u>Depth (cm)</u>	<u>Soil Type</u>	<u>Soil Inclusions</u>	<u>Munsell Color</u>		<u>Termination Reason</u>
93	0 - 15	silty sand		10YR 3/2	very dark grayish brown	
	15 - 47	sand		10YR 5/8	yellowish brown	sterile soil
94	0 - 21	silty sand		10YR 2/2	very dark brown	
	21 - 50	sand		10YR 5/6	yellowish brown	sterile soil
95	0 - 19	silty sand		10YR 3/1	very dark gray	
	19 - 49	sand		10YR 4/2	dark grayish brown	subsoil
96	0 - 17	loamy sand		10YR 2/1	black	
	17 - 30	sand		10YR 5/6	yellowish brown	
	30 - 50	sand		10YR 6/8	brownish yellow	subsoil
97	0 - 33	sand		10YR 5/4	yellowish brown	
		sand		10YR 5/6	yellowish brown	
	33 - 41	loamy sand		10YR 2/1	black	
	41 - 61	sand		10YR 5/6	yellowish brown	sterile soil
98	0 - 17	loamy sand		10YR 3/4	dark yellowish brown	
	17 - 27	sand		10YR 5/6	yellowish brown	
	22 - 45	sand		10YR 6/4	light yellowish brown	subsoil
99	0 - 20	loamy sand		10YR 2/1	black	
	20 - 39	sand		10YR 5/6	yellowish brown	
	39 - 55	sand		10YR 6/4	light yellowish brown	subsoil
100	0 - 17	loamy sand		10YR 2/1	black	
	17 - 34	sand		10YR 5/6	yellowish brown	
	34 - 48	sand		10YR 6/4	light yellowish brown	subsoil
101	0 - 19	sandy silt		10YR 2/1	black	
	19 - 52	sandy silt		10YR 5/6	yellowish brown	subsoil
102	0 - 28	sandy silt		10YR 2/2	very dark brown	
	28 - 59	sandy silt		10YR 5/6	yellowish brown	subsoil
103	0 - 19	sandy silt		2.5Y 2.5/1	black	
	19 - 44	silty sand		2.5Y 5/4	light olive brown	subsoil
104	0 - 30	sandy silt		2.5Y 2.5/1	black	
	30 - 66	silty sand		2.5Y 5/4	light olive brown	subsoil
105	0 - 20	sandy silt		2.5Y 2.5/1	black	
	20 - 56	silty sand		2.5Y 5/4	light olive brown	subsoil
106	0 - 23	silty sand		10YR 2/1	black	
	23 - 39	silty sand		10YR 6/4	light yellowish brown	subsoil
107	0 - 37	sandy silt		10YR 2/1	black	
	32 - 40	silt		10YR 6/4	light yellowish brown	roots
108	0 - 30	sandy silt		10YR 2/1	black	
	30 - 44	sandy silt		10YR 6/4	light yellowish brown	subsoil
109	0 - 16	silty sand		10YR 3/1	very dark gray	
	16 - 43	sand		10YR 5/6	yellowish brown	subsoil

**Phase IA/IB Archaeological Survey, Proposed Albany Landfill Expansion, Albany County  
Shovel Test Records**

	<u>Depth (cm)</u>	<u>Soil Type</u>	<u>Soil Inclusions</u>	<u>Munsell Color</u>		<u>Termination Reason</u>
110	0 - 19	silty sand		10YR 2/2	very dark brown	
	19 - 42	sand		10YR 5/6	yellowish brown	subsoil
111	0 - 16	loam		10YR 2/1	black	
	16 - 47	sand		10YR 5/2	grayish brown	sterile soil
112	0 - 9	silty sand		10YR 3/1	very dark gray	
	9 - 42	sand		10YR 5/6	yellowish brown	subsoil
113	0 - 15	silty sand		10YR 4/4	dark yellowish brown	
	15 - 26	sand		10YR 5/4	yellowish brown	
	26 - 40	sand		10YR 6/4	light yellowish brown	subsoil
		sand		10YR 5/6	yellowish brown	subsoil
114	0 - 17	sand		10YR 4/4	dark yellowish brown	
	17 - 34	sand		10YR 3/3	dark brown	
		sand		10YR 5/6	yellowish brown	
	34 - 51	sand		10YR 5/8	yellowish brown	subsoil
115	0 - 31	sand		10YR 2/1	black	
		sand		10YR 5/4	yellowish brown	
	31 - 49	sand		10YR 5/8	yellowish brown	subsoil
116	0 - 13	sand	fill	10YR 3/3	dark brown	
	13 - 22	sand	fill	10YR 4/4	dark yellowish brown	
	22 - 39	sand		10YR 6/4	light yellowish brown	subsoil
117	0 - 10	sand	fill	10YR 3/3	dark brown	
	10 - 17	sand	fill	10YR 5/8	yellowish brown	
	17 - 51	sandy silt	fill	10YR 5/6	yellowish brown	
		sandy silt	fill	10YR 2/1	black	
	51 - 70	sand		10YR 6/4	light yellowish brown	
				10YR 7/4	very pale brown	subsoil
118	0 - 29	silty sand		10YR 3/1	very dark gray	
	29 - 51	sand		10YR 5/2	grayish brown	subsoil
119	0 - 29	silty sand		10YR 2/2	very dark brown	
	29 - 44	sand		10YR 4/6	dark yellowish brown	subsoil
120	0 - 21	silty sand		10YR 2/1	black	
	21 - 43	sand		10YR 5/6	yellowish brown	subsoil
121	0 - 11	silty sand		10YR 3/1	very dark gray	
	11 - 42	sand		10YR 5/6	yellowish brown	subsoil
122	0 - 29	silty sand		10YR 3/1	very dark gray	
	29 - 57	sand		10YR 5/6	yellowish brown	sterile soil
123	0 - 19	loamy sand		10YR 4/4	dark yellowish brown	
	19 - 35	sand		10YR 5/8	yellowish brown	subsoil
124	0 - 12	loamy sand		10YR 4/4	dark yellowish brown	
	12 - 28	sand		10YR 3/3	dark brown	
	28 - 42	sand		10YR 5/8	yellowish brown	subsoil

**Phase IA/IB Archaeological Survey, Proposed Albany Landfill Expansion, Albany County  
Shovel Test Records**

	<u>Depth (cm)</u>	<u>Soil Type</u>	<u>Soil Inclusions</u>	<u>Munsell Color</u>		<u>Termination Reason</u>
125	0 - 22	loamy sand		10YR 2/2	very dark brown	
	22 - 43	sand		10YR 5/6	yellowish brown	subsoil
126	0 - 41	sand		10YR 5/6	yellowish brown	fill
127	0 - 28	sandy silt		10YR 2/2	very dark brown	
	28 - 47	sand		10YR 5/6	yellowish brown	fill
128	0 - 19	silty sand		10YR 3/2	very dark grayish brown	
	19 - 25	sand		10YR 5/8	yellowish brown	
	25 - 37	silty sand		10YR 4/3	brown	
	37 - 48	sand		10YR 5/6	yellowish brown	fill
129	0 - 33	loamy sand		10YR 2/2	very dark brown	
	33 - 37	sand		10YR 6/6	brownish yellow	subsoil
130	0 - 28	loamy sand		10YR 4/4	dark yellowish brown	roots
131	0 - 46	sand		10YR 5/6	yellowish brown	depth
132	0 - 25	silty sand		10YR 3/2	very dark grayish brown	
	29 - 59	sand		10YR 5/6	yellowish brown	subsoil
133	0 - 27	silty sand		10YR 3/2	very dark grayish brown	
	27 - 49	sand		10YR 5/6	yellowish brown	subsoil
134	0 - 10	sand		10YR 5/6	yellowish brown	
	10 - 20	sand		10YR 3/3	dark brown	
	20 - 30	sand		10YR 5/6	yellowish brown	
	30 - 44	sand		10YR 5/4	yellowish brown	subsoil
135	0 - 14	silt		10YR 2/1	black	
	14 - 32	sand		10YR 5/8	yellowish brown	
	32 - 47	clay		1Gley 5/5GY	greenish gray	sterile soil
136	0 - 38	silty sand		10YR 3/2	very dark grayish brown	
	38 - 45	sand		10YR 5/6	yellowish brown	subsoil
137	0 - 55	sandy silt		2.5Y 3/3	dark olive brown	
	55 - 80	silty sand		2.5Y 5/2	grayish brown	subsoil
138	0 - 21	sandy silt		2.5Y 3/3	dark olive brown	
	21 - 43	silty sand		2.5Y 5/2	grayish brown	subsoil
139	0 - 33	silty sand		10YR 4/3	brown	
	33 - 51	sand		10YR 5/6	yellowish brown	subsoil
140	0 - 27	silty sand		10YR 4/3	brown	
	27 - 49	sand		10YR 5/6	yellowish brown	subsoil
141	0 - 27	sand		10YR 4/4	dark yellowish brown	
	27 - 36	sand		10YR 6/8	brownish yellow	
	36 - 46	sand		10YR 6/4	light yellowish brown	subsoil
142	0 - 18	sand		10YR 4/2	dark grayish brown	
	18 - 42	sand		10YR 5/6	yellowish brown	subsoil

**Phase IA/IB Archaeological Survey, Proposed Albany Landfill Expansion, Albany County  
Shovel Test Records**

	<u>Depth (cm)</u>	<u>Soil Type</u>	<u>Soil Inclusions</u>	<u>Munsell Color</u>		<u>Termination Reason</u>
143	0 - 7	sand		10YR 4/4	dark yellowish brown	
	7 - 41	sand		10YR 6/6	brownish yellow	subsoil
144	0 - 8	sandy silt		2.5Y 3/2	very dark grayish brown	
	8 - 55	silty sand		2.5Y 5/4	light olive brown	subsoil

**APPENDIX 2:**  
**Artifact Inventory**

Phase I/A/IB Archaeological Survey, Proposed Albany Landfill Expansion, Albany County  
 Artifact Inventory, Shovel Tests

STP	Feature	Level	Cxt #	Bag #	Item	Count	Artifact Description	Weight
66		1		1	1	3	wood, some fragments mend	6.5 g
				2	2	17	leather, fragment	13.8 g
123		1		2	1	1	bottle, beverage, glass, body, pale aqua, mold blown, fragment	7.7 g
134		1		3	1	1	whiteware, plate, refined earthenware, body, molded decoration, fragment	1.1 g
135		1		4	1	1	buff bodied, hollowware, coarse earthenware, body, glazed, white, fragment, white exterior and brown interior	11.5 g

**APPENDIX 3**

**OPRHP Project Review Cover Form**



# PROJECT REVIEW COVER FORM

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

This information relates to a previously submitted project.

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

PROJECT NUMBER 3657

COUNTY Albany

2. This is a new project.

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

Project Name Proposed Albany Landfill Expansion

Location Whitestone Road

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

City/Town/Village Albany/Colonie/Guilderland

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

County Albany

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

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

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

No  Yes

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

Agency Involved	Type of permit/approval	State	Federal
<u>SEQRA</u>	<u>N/A</u>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>	<input type="checkbox"/>

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

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

Yes  No

Yes  No

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

Yes  No

### CONTACT PERSON FOR PROJECT

Name Frank LaVardera Title Principal

Firm/Agency Clough Harbour + Associates, LLP

Address 111 Winners Circle P.O. Box 5269 City Albany STATE NY Zip 12205-0269

Phone 518-453-4500 Fax 518-458-1735 E-Mail www.cloughharbour.com

## The Historic Preservation Review Process in New York State

In order to insure that historic preservation is carefully considered in publicly-funded or permitted undertakings\*, there are laws at each level of government that require projects to be reviewed for their potential impact/effect on historic properties. At the federal level, Section 106 of the National Historic Preservation Act of 1966 (NHPA) directs the review of federally funded, licensed or permitted projects. At the state level, Section 14.09 of the New York State Parks, Recreation and Historic Preservation Law of 1980 performs a comparable function. Local environmental review for municipalities is carried out under the State Environmental Quality Review Act (SEQRA) of 1978. (regulations on line at: [www.nysparks.state.ny.us/shpo/Environmental Review](http://www.nysparks.state.ny.us/shpo/Environmental%20Review))

Project review is conducted in two stages. First, the Field Services Bureau assesses affected properties to determine whether or not they are listed or eligible for listing in the New York State or National Registers of Historic Places. If so, it is deemed "historic" and worthy of protection and the second stage of review is undertaken. The project is reviewed to evaluate its impact on the properties significant materials and character. Where adverse effects are identified, alternatives are explored to avoid, or reduce project impacts; where this is unsuccessful, mitigation measures are developed and formal agreement documents are prepared stipulating these measures.

**ALL PROJECTS SUBMITTED FOR REVIEW SHOULD INCLUDE THE FOLLOWING MATERIAL(S).**

**Project Description**

Attach a full description of the nature and extent of the work to be undertaken as part of this project. Relevant portions of the project applications or environmental statements may be submitted.

**Maps Locating Project**

Include a map locating the project in the community. The map must clearly show street and road names surrounding the project area as well as the location of all portions of the project. Appropriate maps include tax maps, Sanborn Insurance maps, and/or USGS quadrangle maps.

**Photographs**

Photographs may be black and white prints, color prints, or color laser/photo copies; standard (black and white) photocopies are NOT acceptable.

*-If the project involves rehabilitation, include photographs of the building(s) involved. Label each exterior view to a site map and label all interior views.*

*-If the project involves new construction, include photographs of the surrounding area looking out from the project site. Include photographs of any buildings (more than 50 years old) that are located on the project property or on adjoining property.*

**NOTE: Projects submissions will not be accepted via facsimile or e-mail.**

\**Undertaking* is defined as an agency's purchase, lease or sale of a property, assistance through grants, loans or guarantees, issuing of licenses, permits or approvals, and work performed pursuant to delegation or mandate.



**PHASE IB ARCHEOLOGICAL FIELD RECONNAISSANCE**

**ALBANY LANDFILL EXPANSION ALTERNATIVE 4  
CITY OF ALBANY  
ALBANY COUNTY, NEW YORK**

**OPRHP 06PR01161  
HAA 3745**

*Prepared for:*

**CLOUGH, HARBOUR, & ASSOCIATES, LLP  
3 WINNERS CIRCLE  
P.O. BOX 5269  
ALBANY, NEW YORK 12205**

*Prepared by:*

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**AN ACRA MEMBER FIRM  
[www.acra-crm.org](http://www.acra-crm.org)**

**APRIL 2006**

**MANAGEMENT SUMMARY**

SHPO Project Review Number: **06PR01161**

Involved State and Federal Agencies: **Army Corps of Engineers and NYS Dept. of Environmental Conservation**

Phase of Survey: **Phase IB Archeological Field Reconnaissance**

**Location Information**

*Location:* **Albany Landfill, 525 Rapp Road**  
*Minor Civil Division:* **City of Albany**  
*County:* **Albany**

**Survey Area**

*Length:* **1,750 feet (530 m)**  
*Width:* **450 feet (140 m)**  
*Depth:* **Average Test Depth was 77 cm (30 in)**  
*Number of Acres Surveyed:* **10 acres (4 ha)**

USGS 7.5 Minute Quadrangle Map: **1994 Albany 7.5' Topographic Quadrangle**

**Archeological Survey Overview**

*Number and Interval of Shovel Tests:* **150 tests at 50-foot (15 m) and 8 at 25-foot (8 m) intervals**  
*Number and Size of Units:* **None**  
*Width of Plowed Strips:* **None**  
*Surface Survey Transect Interval:* **No surface survey**

Results of Archeological Survey: **Two historic sites: the Albany Landfill Historic Sites A and B**

Results of Architectural Survey: **NA**

Recommendations: **Avoidance or Phase II Investigation**

Report Author: **Abigail McGuirk**

Date of Report: **April 2006**



**PHASE IB ARCHEOLOGICAL FIELD RECONNAISSANCE**

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**Appendix I: Shovel Test Excavation Records**

**Appendix II: Artifact Catalog**

**Appendix III: Pine Bush Preserve Map**

**Appendix IV: OPRHP Site Forms**

**Appendix V: OPRHP Review Cover Form**

**Map List**

1. 1994 USGS Albany 7.5-minute Topographic Quadrangle
2. Project Area with Shovel Tests and Photograph Angles

**Photograph List**

1. Eastern view of the eastern segment of the project area from the top of a steep slope. The flat land below contains Tests 1 through 5.
2. An eastern view of archeologists excavating confirmation Tests 154 and 155 at the Albany Landfill Historic Site A. The dead poplar trees in the mid-ground are surrounded by old growth pines and oaks.
3. An eastern view of Albany Landfill Historic Site B. Tests 117, 156, and 157 are flagged in the mid-ground. Similar to Site A, Site B is also marked by dead poplar trees surrounded by old-growth pines and oaks.
4. An eastern view of two archeologists excavating Tests 144 and 145 in the western segment of the project area.
5. Eastern view of the disturbed soils at the top of the slope in the eastern section of the project area near Tests 11, 19, 20, 28, 29, 36, 44, and 52. The area appears to have been mined for sand and gravel.
6. Northern view of a water sampling well installed by the landfill on the southern edge of the project area near tests 27 and 35.
7. Southern view of a water sampling well installed by the landfill on the northern edge of the project area near Tests 44, 45, 52, and 53.
8. Facing north, Test 117 displays the soil discoloration and burn marks of Feature 1.

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## PHASE IB ARCHEOLOGICAL FIELD RECONNAISSANCE

### INTRODUCTION

Hartgen Archeological Associates, Inc. (HAA, Inc.) was retained by Clough, Harbour, & Associates, LLP, to conduct a Phase IB Archeological Field Reconnaissance for the proposed Albany Landfill Expansion Alternative 4 project at 525 Rapp Road in the City of Albany, Albany County, New York. The project requires permits from the Army Corps of Engineers and the New York State Department of Environmental Conservation. Therefore, in compliance with Section 106 of the National Historic Preservation Act of 1966, the project is undergoing review by OPRHP acting as the State Historic Preservation Officer (SHPO). This report follows the guidelines in the New York Archeological Council's (NYAC) *Standards for Cultural Resource Investigations and the Curation of Archaeological Collections in New York State* (NYAC 1994), which have been adopted by the Office of Parks, Recreation and Historic Preservation (OPRHP). It also conforms to OPRHP's *State Historic Preservation Office (SHPO) Phase I Archaeological Report Format Requirements* (OPRHP 2005).

### PROJECT INFORMATION

The Albany Landfill Expansion Alternative 4 project area is located adjacent to the northwestern boundary of the Albany Landfill between Rapp Road and US Route 90. The expansion involves the subsurface disturbance of approximately 10 acres (4 ha) of previously undisturbed land in the Pine Bush and the filling over of some existing landfill areas. The length of the undisturbed section of the project area is approximately 1,750 feet (530 m) east-west and the width varies from 450 feet (140 m) at the eastern end to 50 feet (15 m) at the western end. As the current landfill areas are already disturbed and do not require testing, the area of potential effect (APE) is considered to be 10 acres (4 ha) (Map 1).

### PHASE IA BACKGROUND

The Phase IA Literature Review was completed for the proposed Albany Landfill Expansion project in December of 2004 (HAA, Inc. 2004). The following observations from the Phase IA research concern the Alternative 4 project area.

- Soils in the project area consist of Colonie loamy fine sand and Stafford loamy fine sand. Shovel testing was an appropriate testing methodology for these deep, well-drained and somewhat poorly drained glacial deltaic outwash soils (USDA 2004). Bedrock consists of predominantly Ordovician age Normanskill shale with minor mudstone and sandstone along with greywacke, sandstone, siltstone, and shale of the Schenectady Formation (Fisher et al. 1970). There are no bedrock exposures anywhere in the project area.
- No previously reported archeological sites were identified within the Albany Landfill Expansion Alternative 4 project.
- Historical maps, though variable, show that a 19<sup>th</sup>-century road (Centre House Road) may have bisected the project area. Due to the scale inconsistencies, it is difficult to exactly plot the project area and determine relative distances. However, no structures were depicted in the vicinity of the project area on any of the maps examined.

## PHASE IB ARCHEOLOGICAL FIELD RECONNAISSANCE

### Introduction

The fieldwork for the Albany Landfill Expansion Alternative 4 project occurred Wednesday through Friday, March 22 through 24, 2006. The field crew consisted of Heather Greenfield, Kevin Moody, and Shannon Wright under the direction of Abigail McGuirk. The project was under the overall supervision of Karen S. Hartgen, RPA. The weather in March was cool with skies varying from cloudy to bright and sunny. Temperatures were in the high 40s.

### Field and Laboratory Methodology

The Phase IB fieldwork consisted of excavating screened shovel tests. The goal of shovel testing was to reach undisturbed subsoil throughout the survey area, and as there were no floodplain soils or evidence of widespread filling, screened shovel tests at intervals of 50 feet (15 m) were adequate to find both precontact and historic period sites should they be present. Shovel tests were 16 inches (40 cm) in diameter. Soils were passed through 0.25-inch (0.63-cm) hardware cloth. The Munsell color and description of each soil stratum were recorded. Except for occasional modern trash, which was noted but not retained, cultural material was collected in paper bags labeled with the project name, test number, level, date, and initials of the excavator.

At the conclusion of the fieldwork, the shovel test records and artifact collection were delivered to the HAA, Inc. laboratory where the materials were cleaned and inventoried, and the shovel tests and the artifact inventory were entered into the Access database. Shovel test excavation records are presented in Appendix 1; the artifact catalog is Appendix 2. Shovel test locations were plotted on a project map, and site conditions were documented with photographs (Map 2).

### Field Results

Five tests (Tests 1 through 5) were excavated at the eastern edge of the project area. These examined a small, flat stretch of land at the base of a steep slope (Photograph 1). The bulk of the testing (Tests 6 through 141) was conducted along 21 transects in a north-south orientation (Photographs 2 and 3). A final transect with 50-foot intervals and an east-west orientation was located within the western end of the project area and contained Tests 142 through 150 (Photograph 4).

No precontact material was encountered during fieldwork, but two historic sites were identified. These were located on either side of a dirt trail (historically documented as Centre House Road) that bisects the project area and are further discussed below. Eight additional tests were excavated at 25-foot intervals in the vicinity of the historic sites. Testing patterns are displayed in Map 2.

Three areas of disturbance were encountered during fieldwork. The first area was along the top of the steep slope in the northeastern segment of the APE in the vicinity of Tests 11, 12, 19, 20, 28, 29, 36, 44, and 52 (Photograph 5). The soil layers were generally missing the darker topsoil and appeared to have been mined for sand and gravel. The other two areas of disturbance were localized around two water sampling wells used by the landfill to monitor water quality (Photographs 6 and 7). The well on the southern edge of the project area was located adjacent to a landfill access road while the well on the northern boundary of the project area was near Test 44 adjacent to a Pine Bush Preserve hiking trail.

**Soils and Stratigraphy**

Four tests (Tests 11, 20, 29, and 87) had only one level due to removal of the topsoil. The rest of the tests had two or more strata and six tests had as many as five levels. The topsoil (A horizon) averaged nearly 19 cm (8 in) among 158 tests. For tests with two levels, the average depth was a little more than 73 cm (29 in). For the 65 tests with three levels, the average depth was 75 cm (30 in). Of those with more than three levels, 11 tests had four levels with an average termination depth of 79 cm (31 in) and six tests had five levels generally terminating at 80 cm (32 in).

The most common soil types reported in the shovel tests are tallied below in Table 1. Generally speaking, the soils identified during testing conformed to what was expected according to the soil types reported for the project area in the Phase IA.

**Table 1: Soils Reported at the Albany Landfill Expansion Alternative 4 Project Area**

Soil Type	Level 1 (N / %)		Level 2 (N / %)		Level 3 (N / %)		Level 4 (N / %)		Level 5 (N / %)	
Cl Sa	1	0.6								
Co Sa					1	1.2				
Lo Sa	1	0.6								
Sa	76	48.2	112	72.7	65	79.3	12	70.6	6	85.7
Sa Si	1	0.6								
Sa Lo	28	17.7								
Si Sa	31	19.6	41	26.7	16	19.5	5	29.4	1	14.3
Si Sa Lo	17	10.8	1	0.6						
Humus	3	1.9								
<b>Totals</b>	<b>158</b>	<b>100.0%</b>	<b>154</b>	<b>100.0%</b>	<b>82</b>	<b>100.0%</b>	<b>17</b>	<b>100.0%</b>	<b>7</b>	<b>100.0%</b>
<p><b>Key:</b> Cl - clay; Co - Coarse; Lo - Loam; Sa - sand; Si - silt</p>										

The color of the topsoil was generally very dark brown to brown. The subsoils were typically lighter in color than the topsoil ranging among the 10YR, 2.5Y, 7.5YR pages of the Munsell soil color chart. For Level 2, dark yellowish brown and brown were the colors most commonly recorded. Though Levels 3 and 4 tended to have a wide spread of colors, Level 3 was generally dark yellowish brown and yellowish brown while Level 4 was simply yellowish brown. Level 5 ranged from brownish yellow to dark yellowish brown.

**Artifact Assemblage**

Modern trash commonly was noted but not retained during excavation. Twenty-one tests were positive for historic artifacts. No precontact material was encountered. The following table correlates shovel tests with their associated artifacts. Positive tests containing modern artifacts are not marked on Map 2.

**Table 2: Artifacts Recovered from Albany Landfill Expansion Alternative 4**

Test	Level	Materials ( Retained / Not Retained )
18	1	Clear bottle glass rim fragment
65	1	Dog mandible
77	1	1 cut nail
81	1	Loose plastics
85	1	1 grey salt-glazed stoneware w/ Albany slip, 1 pale aqua bottle glass, nail fragment, slag and coal ash
86	1	2 nail fragments, 1 window glass, 1 salt-glazed stoneware with Albany slip, 1 clam shell, 3 oyster shell, slag, coal ash, and charcoal
88	1	Modern clear and green bottle glass
91	2	coal
92	2	1 salt-glazed stoneware with Albany slip, 5 whiteware, 1 metal, coal
	3	1 aqua bottle glass, 1 nail fragment, 7 whiteware, 1 yellowware, 2 redware, 2 salt-glazed stoneware w/ Albany slip, 2 porcelain, coal
98	2	2 whiteware, 1 iron button, 1 window glass, 1 bottle glass, 1 tobacco pipe bowl fragment, coal
99	1	1 green bottle glass
	2	1 pale aqua glass, 1 amber glass, 2 whiteware, coal
101	1	1 ceramic drainage tile
102	1	Loose plastics
103	1	Charcoal and cement
104	1	Slag and charcoal
105	2	1 nail fragment, 1 lead-handled iron hardware
106	1	1 redware, 1 nail fragment
107	1	1 nail fragment
108	1	Charcoal, Styrofoam, modern clear glass

117	Feature 1	3 salt-glazed stoneware with Albany slip, 1 cut nail, 12 nail fragments, 1 glass button, 7 burned bone
118	1	1 cut nail
123	1	1 mandible with teeth (deer/goat/sheep)
124	3	1 iron hardware, 1 redware
138	1	<i>Plastic bread bag (Frieheoffers), plastic, modern bottle glass, metal and brick fragments</i>
146	1	<i>Animal bone</i>
149	1	<i>Plastic</i>
	2	<i>Plastic</i>
151	1	1 burned bone, <i>charcoal</i>
152	2	2 iron wire, 2 nail fragments, <i>coal</i>
153	1	8 whiteware, 1 lamp chimney glass, 1 aqua glass, 2 window glass, 2 cut nail, 7 nail fragments, 1 green bottle glass, 1 bone, 1 clam shell, 3 coal, <i>charcoal</i>
154	2	1 redware, 1 clear glass, <i>coal</i>
155	2	2 nail fragments, <i>coal</i>
156	1	1 window glass, 1 clear glass, <i>charcoal, brick fragments, rust fragments</i>

## **HISTORIC SITES**

### **Introduction**

The Albany Expansion Alternative 4 project area encompasses sections of the current landfill and a stretch of mostly undisturbed land within the Pine Bush. Some historic and modern roads traverse the area. Though originally footpaths, roads and trade routes, such as the Kings Highway, were established by 1663 in order to link Schenectady and Albany. Other roads through the Pine Bush were established in the early 18<sup>th</sup>-century to exploit resources, such as firewood, building lumber, tar and resin, and sand for glass manufacturing (HAA, Inc. 1991: 13 through 17).

The dirt trail bisecting the project area appears to be an early 19<sup>th</sup>-century offshoot of the Kings Highway known as Centre House Road. Historically, it extended northwards to the Albany-Schenectady Turnpike (Route 5) and the Centre House Hotel and Tavern in the Village of Centre. Presently, the road remnant is being used as a hiking trail through the Pine Bush Preserve. The extent of Centre House Road is displayed as No. 7 on the Pine Bush Preserve Map in Appendix III.

There were many other groups interested in the Pine Bush area besides travelers. Farmers attempted to cultivate tracts of land, but the soils were generally not favorable for agriculture. Landowners attempted to utilize tar and resin from the trees for naval stores and woodcutters supplied lumber and stockade posts for military endeavors throughout the 17<sup>th</sup>-and 18<sup>th</sup>-century. By 1747, forest rangers were requested to scout through the area and search for usable timber as other local natural resources were dwindling. Runaway slaves, political fugitives, and a group of people known as the Yances (otherwise known as 'basket-makers') also made the Pine Bush their home (HAA, Inc. 1991: 13-17). Their dwellings would not have been substantial structures with easily observed masonry foundations.

### **Albany Landfill Historic Site A**

Site A is a possible structure site adjacent to the eastern side of Centre House Road approximately 150 feet (50 m) north of the Albany Landfill. Visually, it is indicated by an area of thin, dead poplars surrounded by old growth pines and oaks. No structural remains are visible on the surface (Photograph 2).

The dead poplar zone is approximately 150 feet (50 m) long by 200 feet (60 m) wide with a general east-west orientation along the axis. Shovel tests 85, 86, 91, 92, 98, and 151 through 155 were excavated at 25-foot (8 m) intervals within the visible site constraints. Gray and buff-bodied stoneware with Albany slip and machine cut nails were the most common artifacts along with blue decorated whiteware and varying types of glass. A four-hole metal button was recovered from Test 98 along with a fragment of a tobacco pipe bowl.

Tests 99, 101, and 105 through 107 are located west of the historic road within the old growth tree cover and contained a lower artifact density. Green, aqua, and amber glass fragments were recovered along with nail fragments, whiteware, and redware. An unidentified lead-handled iron tool was recovered from Test 105. Based on the decorations on whiteware, stoneware, yellowware, and the machine cut nails, the site appears to date from the mid-1800s. Table 3 tallies the artifacts recovered from Site A.

In total, the estimated site boundaries contain approximately 42,500 square feet (3,950 m<sup>2</sup>). Site A is potentially National Register eligible. Avoidance of the area or a Phase II site evaluation is recommended.

Table 3. Inventory of 19<sup>th</sup>-Century Artifacts from the Albany Landfill Historic Site A

Test	19 <sup>th</sup> C. Domestic Artifacts						Personal/ Other	Building Materials					Subtotals		Total
	Red/ Stone ware	Whiteware/ Porcelain	Yellowware	Bottle/ Vessel Glass	Bone/ shell			Window Glass	Brick	Nail Fragments	Cut/ Wrought Nails	Other	Domestic/ Personal	Building Materials	
85	1	0	0	1	0	0	0	0	1	0	0	2	1	3	
86	1	0	0	0	4	0	0	0	2	0	0	5	3	8	
92	5	14	1	1	0	0	0	0	1	0	1 hardware	21	2	23	
98	0	2	0	0	0	2	iron button pipe bowl fragment	0	0	0	0	4	1	5	
99	0	2	0	2	0	0	0	0	0	0	0	4	0	4	
101	0	0	0	0	0	1	drainage tile	0	0	0	0	1	0	1	
105	0	0	0	0	0	0	0	0	1	0	1 hardware	0	2	2	
106	1	0	0	0	0	0	0	0	1	0	0	1	1	2	
107	0	0	0	0	0	0	0	0	1	0	0	0	1	1	
151	0	0	0	0	1	0	0	0	0	0	0	1	0	1	
152	0	0	0	0	0	0	0	0	2	0	2 iron wire	0	4	4	
153	0	8	0	2	2	0	0	2	7	2	2 hardware	12	11	25	
154	1	0	0	1	0	0	0	0	0	0	0	2	0	2	
155	0	0	0	0	0	0	0	0	2	0	0	0	2	2	
Totals	9	26	1	7	7	3		4	18	2	6	53	28	83	
%	17.0%	49.1%	1.9%	25.0%	8.4%	5.7%		14.3%	64.3%	3.8%	21.4%	63.9%	33.7%	97.6%	

**Albany Landfill Historic Site B**

Site B is a possible structure site 50 feet (15 m) west of Centre House Road and 250 (75 m) north of the Albany Landfill. As with Site A, it is visually indicated by an area of dead poplars surrounded by old growth pines and oaks. No structural remains are visible on the surface (Photograph 3).

The dead poplar zone is approximately 150 feet (50 m) long by 100 feet (30 m) wide with a general east-west orientation along the axis. Shovel Tests 117, 118, 123, 124, and 156 through 158 were excavated in 25-foot (8 m) intervals within the visible site constraints. Shovel Test 117 exposed Feature 1, a burned pit containing charcoal and numerous artifacts including a glass button, stoneware, and several machine-cut nails and nail fragments (Photograph 8). Other tests in the area recovered more cut nails, burned bone, and window glass. Based on the presence of the machine-cut nails and the glass button, Site B appears to be from the same time period as Site A, that is, the mid-1800s. Table 4 tallies the recovered artifacts from Site B.

In total, the estimated site boundaries encompass approximately 12,500 square feet (1,160 m<sup>2</sup>). Site B may be eligible for inclusion on the National Register listing. Avoidance of Site B or a Phase II site evaluation is recommended.

**Table 4. Inventory of 19<sup>th</sup>-Century Artifacts from the Albany Landfill Historic Site B**

Test	19 <sup>th</sup> C. Domestic Artifacts			Personal/ Other	Building Materials				Subtotals		Total
	Red/ Stoneware	Bottle/ Vessel Glass	Bone/ shell		Window Glass	Nail Fragments	Cut/ Wrought Nails	Other	Domestic/ Personal	Building Materials	
117	2	0	7	1 glass button	0	12	1	0	10	12	22
118	0	0	0	0	0	0	1	0	0	0	0
123	0	0	5	0	0	0	0	0	5	0	5
124	1	0	0	0	0	0	0	1 hardware	1	1	2
156	0	1	0	0	1	0	0	0	1	1	2
<b>Totals</b>	<b>3</b>	<b>1</b>	<b>12</b>	<b>1</b>	<b>1</b>	<b>12</b>	<b>2</b>	<b>1</b>	<b>17</b>	<b>14</b>	<b>31</b>
<b>%</b>	<b>17.6%</b>	<b>7.1%</b>	<b>38.7%</b>	<b>5.9%</b>	<b>7.1%</b>	<b>85.7%</b>	<b>11.8%</b>	<b>7.1%</b>	<b>54.8%</b>	<b>45.2%</b>	<b>100.0%</b>

## **SUMMARY AND RECOMMENDATIONS**

At the request of Clough, Harbor & Associates, LLP, HAA, Inc. conducted a Phase IA/IB study for approximately 10 acres (4 ha) of previously undisturbed land adjacent to the northwestern boundary of the Albany Landfill along Rapp Road in the City of Albany, Albany County, New York. Included in the work scope were a Phase IA Literature Review and a Phase IB Archeological Field Reconnaissance consisting of excavating screened shovel tests at 50-foot (15 m) intervals.

Based upon the information gathered and assessed from the literature review, both precontact and historic archeological sensitivity and potential were considered to be moderate to low. Of the 158 shovel tests excavated during the Phase IB reconnaissance, no precontact material or sites were encountered. However, two historic sites from the mid-1800s, Albany Landfill Historic Sites A and B, were identified. Located in the middle of the project area, these sites straddle an early 19<sup>th</sup>-century road (Centre House Road) that bisects the APE. Avoidance of these sites including a 50-foot 'no disturbance' buffer zone or a Phase II site evaluation is recommended. OPRHP Site Forms have been prepared for both sites and are included in Appendix IV.

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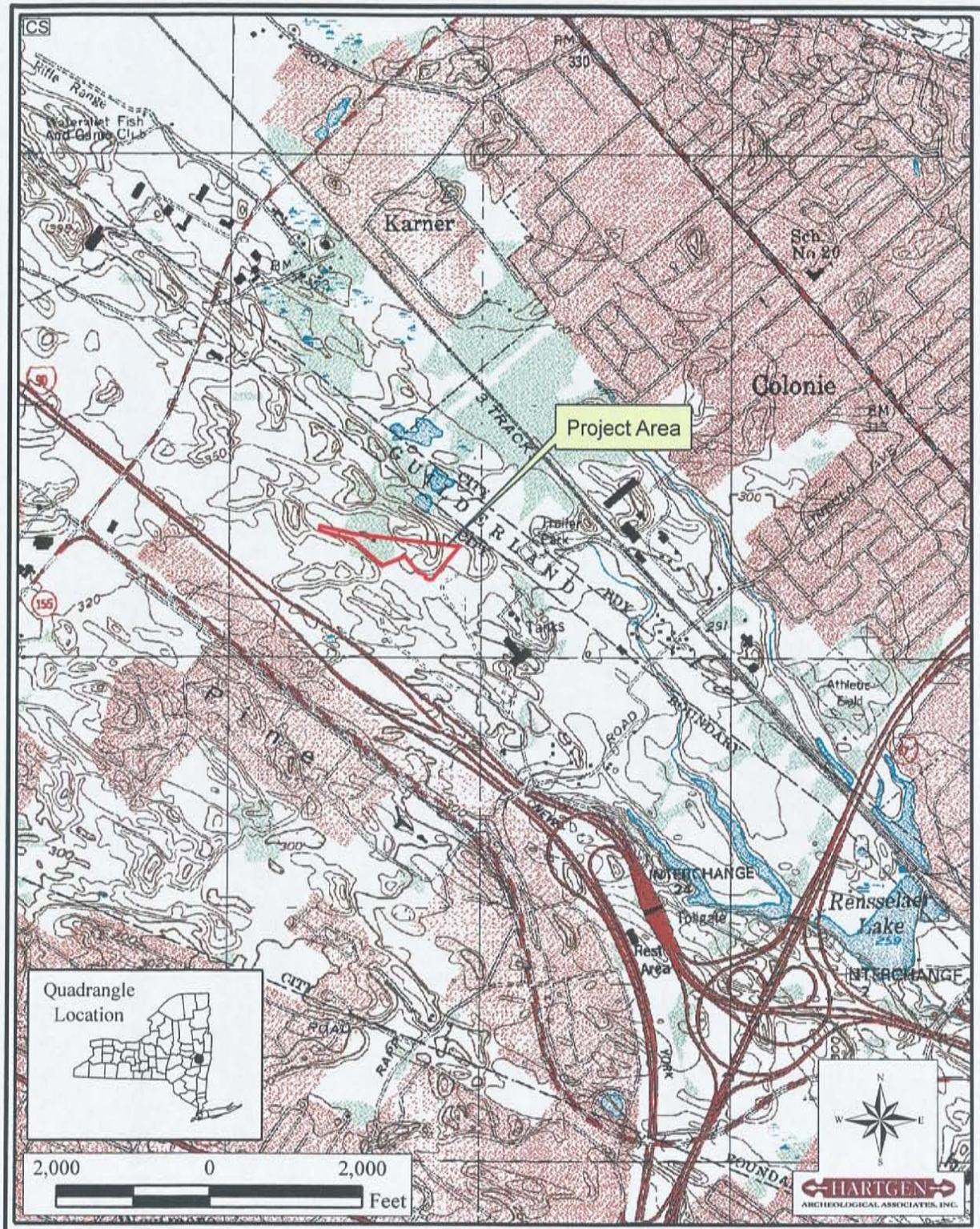
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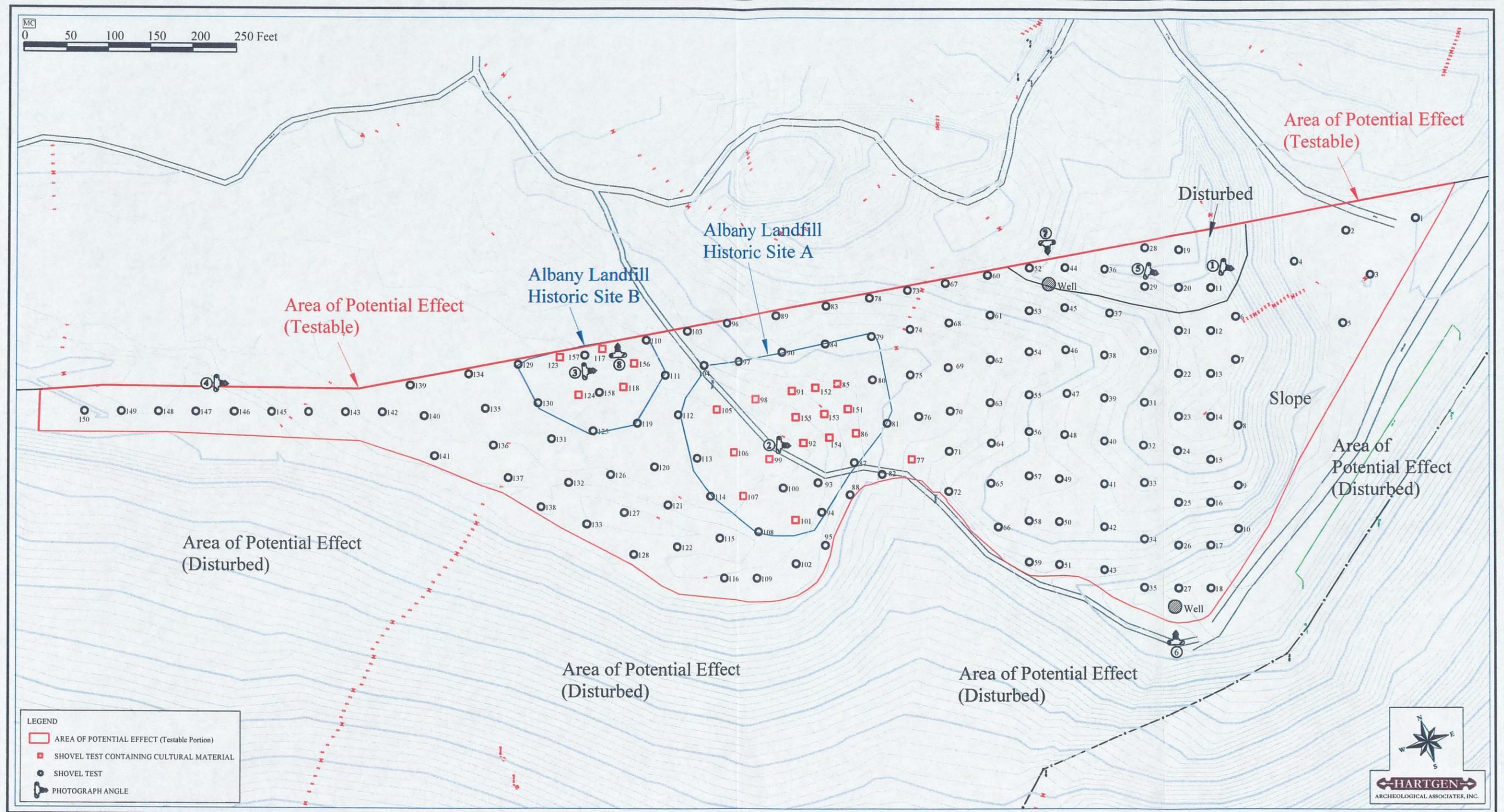
**Maps**

Phase IB Field Reconnaissance, Albany Landfill Expansion Alternative 4, Albany County, New York



Map 1

1994 USGS Albany 7.5' Topographic Quadrangle



Map 2  
Project Area with Shovel Tests and Photograph Angles

## **Photographs**



Photograph 1: Eastern view of the eastern segment of the project area from the top of a steep slope. The flat land below contains Tests 1 through 5.



Photograph 2: An eastern view of archeologists excavating confirmation Tests 154 and 155 at the Albany Landfill Historic Site A. The dead poplar trees in the mid-ground are surrounded by old growth pines and oaks.



Photograph 3: An eastern view of Albany Landfill Historic Site B. Tests 117, 156, and 157 are flagged in the mid-ground. Similar to Site A, Site B is also marked by dead poplar trees surrounded by old-growth pines and oaks



Photograph 4: An eastern view of two archeologists excavating Tests 144 and 145 in the western segment of the project area.



Photograph 5: Eastern view of the disturbed soils at the top of the slope in the eastern section of the project area near Tests 11, 19, 20, 28, 29, 36, 44, and 52. The area appears to have been mined for sand and gravel.



Photograph 6: Northern view of a water sampling well installed by the landfill on the southern edge of the project area near Tests 27 and 35.



Photograph 7: Southern view of a water sampling well installed by the landfill on the northern edge of the project area near Tests 44, 45, 52, and 53.



Photograph 8: Facing north, Test 117 displays the soil discoloration and burn marks of Feature 1.

**Appendix I:  
Shovel Test Excavation Records**

# Albany Landfill Expansion Alternative 4

## Shovel Test Records

	Depth (cm)	Soil Type	Soil Inclusions	Munsell Color	Termination Reason	
1	0 - 8	sand		10YR 2/2	very dark brown	
	8 - 30	sand		10YR 3/4	dark yellowish brown	
	30 - 50	sand		7.5YR 4/6	strong brown	subsoil
2	0 - 27	sandy loam		10YR 3/4	dark yellowish brown	
	27 - 53	sand		10YR 4/6	dark yellowish brown	subsoil
3	0 - 24	sand		10YR 3/6	dark yellowish brown	
	24 - 36	sand		10YR 5/8	yellowish brown	
	36 - 57	sand		10YR 6/8	brownish yellow	subsoil
4	0 - 39	sand		10YR 3/4	dark yellowish brown	
	39 - 64	sand		10YR 5/8	yellowish brown	subsoil
5	0 - 10	sand		10YR 2/2	very dark brown	
	10 - 52	sand		10YR 3/4	dark yellowish brown	
	52 - 60	sand		10YR 3/6	dark yellowish brown	subsoil
6	0 - 35	sandy loam		10YR 4/6	dark yellowish brown	
	35 - 55	sand		10YR 5/4	yellowish brown	subsoil
7	0 - 7	sand		10YR 2/2	very dark brown	
	7 - 16	sand		10YR 3/4	dark yellowish brown	
	16 - 55	sand		10YR 4/6	dark yellowish brown	subsoil
8	0 - 17	sandy loam		10YR 4/4	dark yellowish brown	
	17 - 44	sand		10YR 4/6	dark yellowish brown	
	44 - 53	sand		10YR 5/4	yellowish brown	subsoil
9	0 - 8	sand		10YR 2/2	very dark brown	
	8 - 17	sand		10YR 3/6	dark yellowish brown	
	17 - 50	sand		7.5YR 4/6	strong brown	subsoil
10	0 - 12	sand		10YR 2/2	very dark brown	
	12 - 56	sand		7.5YR 4/6	strong brown	subsoil
11	0 - 63	sand		10YR 4/4	dark yellowish brown	subsoil
		sand		10YR 5/4	yellowish brown	subsoil
12	0 - 14	sand		10YR 3/6	dark yellowish brown	
	14 - 60	sand		10YR 4/6	dark yellowish brown	subsoil
13	0 - 11	sand		10YR 3/6	dark yellowish brown	
	11 - 30	sand		10YR 3/3	dark brown	
	30 - 53	sand		10YR 5/8	yellowish brown	subsoil
14	0 - 20	sand		10YR 3/4	dark yellowish brown	
	20 - 30	sand		10YR 5/8	yellowish brown	
	30 - 55	sand		10YR 6/8	brownish yellow	subsoil
15	0 - 11	sand		10YR 3/2	very dark grayish brown	
	11 - 21	sand		10YR 3/6	dark yellowish brown	
	21 - 36	sand		10YR 5/8	yellowish brown	
	36 - 52	sand		10YR 6/8	brownish yellow	subsoil

## Albany Landfill Expansion Alternative 4 Shovel Test Records

	Depth (cm)	Soil Type	Soil Inclusions	Munsell Color	Termination Reason
16	0 - 16	sand		10YR 3/4 dark yellowish brown	
	16 - 33	sand		10YR 5/8 yellowish brown	
	33 - 52	sand		10YR 6/8 brownish yellow	subsoil
17	0 - 17	sand		10YR 3/4 dark yellowish brown	
	17 - 35	sand		10YR 5/8 yellowish brown	
	35 - 56	sand		10YR 6/8 brownish yellow	subsoil
18	0 - 17	sandy loam		10YR 4/4 dark yellowish brown	
	17 - 55	sand		10YR 4/6 dark yellowish brown	subsoil
19	0 - 17	sand		10YR 3/3 dark brown	
	17 - 50	sand		10YR 5/6 yellowish brown	
	50 - 84	coarse sand		10YR 5/6 yellowish brown	subsoil
20	0 - 67	sand		10YR 5/4 yellowish brown	disturbed
21	0 - 10	sand		10YR 2/2 very dark brown	
	10 - 28	sand		10YR 5/4 yellowish brown	
	28 - 85	sand		10YR 4/6 dark yellowish brown	subsoil
22	0 - 9	sand		10YR 2/2 very dark brown	
	9 - 80	sand		10YR 4/6 dark yellowish brown	subsoil
23	0 - 12	sand		10YR 2/2 very dark brown	
	12 - 82	sand		10YR 4/6 dark yellowish brown	subsoil
24	0 - 10	sand		10YR 2/2 very dark brown	
	10 - 21	sand		10YR 3/6 dark yellowish brown	
	21 - 80	sand		10YR 4/6 dark yellowish brown	subsoil
25	0 - 19	sand		10YR 3/3 dark brown	
	19 - 37	sand		10YR 5/8 yellowish brown	subsoil/roots
26	0 - 8	sand		10YR 2/2 very dark brown	
	8 - 52	sand		10YR 4/6 dark yellowish brown	subsoil
27	0 - 15	sandy loam		10YR 4/4 dark yellowish brown	
	15 - 25	sand		10YR 4/6 dark yellowish brown	
	25 - 36	sand		10YR 5/4 yellowish brown	roots
28	0 - 38	sand		10YR 5/8 yellowish brown	
	38 - 82	sand		10YR 6/8 brownish yellow	subsoil
29	0 - 80	sand		10YR 5/6 yellowish brown	disturbed
30	0 - 14	sand		10YR 3/2 very dark grayish brown	
	14 - 27	sand		10YR 5/8 yellowish brown	
	27 - 81	sand		10YR 6/8 brownish yellow	subsoil
31	0 - 17	sandy loam		10YR 3/2 very dark grayish brown	
	17 - 83	sand		10YR 4/6 dark yellowish brown	subsoil
32	0 - 17	sand		10YR 3/3 dark brown	
	17 - 30	sand		10YR 5/8 yellowish brown	
	30 - 81	sand		10YR 6/8 brownish yellow	subsoil

# Albany Landfill Expansion Alternative 4

## Shovel Test Records

	Depth (cm)	Soil Type	Soil Inclusions	Munsell Color	Termination Reason
33	0 - 15	sandy loam		10YR 4/4	dark yellowish brown
	15 - 81	sand		10YR 4/6	dark yellowish brown subsoil
34	0 - 16	sand		10YR 3/2	very dark grayish brown
	16 - 34	sand		10YR 5/6	yellowish brown
	34 - 81	sand		10YR 6/8	brownish yellow subsoil
35	0 - 13	sand		10YR 3/3	dark brown
	13 - 30	sand		10YR 5/6	yellowish brown
	30 - 80	sand		10YR 6/8	brownish yellow subsoil
36	0 - 34	silly sand	fil	10YR 7/4	very pale brown
		silly sand	fil	10YR 3/2	very dark grayish brown
		silly sand	fil	10YR 4/6	dark yellowish brown
	34 - 51	sand		10YR 5/6	yellowish brown
	51 - 86	sand		10YR 6/8	brownish yellow subsoil
37	0 - 5	sand		10YR 3/2	very dark grayish brown
	5 - 57	sand		10YR 5/6	yellowish brown
	57 - 80	sand		10YR 6/8	brownish yellow subsoil
38	0 - 13	sand		10YR 3/3	dark brown
	13 - 57	sand		10YR 5/6	yellowish brown
	57 - 71	sand		10YR 6/8	brownish yellow subsoil/roots
39	0 - 29	loamy sand		7.5YR 3/2	dark brown
	29 - 51	sand		7.5YR 4/6	strong brown
	51 - 81	sand		7.5YR 5/8	strong brown subsoil
40	0 - 31	sand		10YR 3/3	dark brown
	31 - 63	sand		10YR 5/6	yellowish brown
	53 - 87	sand		10YR 6/8	brownish yellow subsoil
41	0 - 18	sand		10YR 3/3	dark brown
	18 - 47	sand		10YR 5/6	yellowish brown
	47 - 80	sand		10YR 6/8	brownish yellow subsoil
42	0 - 13	sand		10YR 3/3	dark brown
	13 - 30	sand		10YR 5/6	yellowish brown subsoil/roots
43	0 - 18	sand	fil	10YR 5/3	brown
		sand	fil	10YR 7/3	very pale brown
		sand	fil	10YR 3/3	dark brown
	18 - 46	sand		10YR 5/8	yellowish brown
	46 - 79	sand		10YR 6/8	brownish yellow subsoil
44	0 - 12	sand		10YR 2/2	very dark brown
	12 - 18	sand		10YR 4/4	dark yellowish brown
	18 - 23	sand		10YR 2/1	black
	23 - 54	sand		7.5YR 3/4	dark brown
	54 - 80	sand		10YR 4/6	dark yellowish brown subsoil

# Albany Landfill Expansion Alternative 4 Shovel Test Records

	<u>Depth (cm)</u>	<u>Soil Type</u>	<u>Soil Inclusions</u>	<u>Munsell Color</u>		<u>Termination Reason</u>
45	0 - 10	sand		10YR 2/2	very dark brown	
	10 - 80	sand		10YR 4/6	dark yellowish brown	subsoil
46	0 - 12	sand		10YR 2/2	very dark brown	
	12 - 84	sand		10YR 4/6	dark yellowish brown	subsoil
47	0 - 12	sand		10YR 2/2	very dark brown	
	12 - 18	sand		10YR 3/4	dark yellowish brown	
	18 - 80	sand		10YR 4/6	dark yellowish brown	subsoil
48	0 - 11	sand		10YR 2/2	very dark brown	
	11 - 80	sand		10YR 4/6	dark yellowish brown	subsoil
49	0 - 12	sand		10YR 2/2	very dark brown	
	12 - 19	sand		10YR 3/6	dark yellowish brown	
	19 - 82	sand		10YR 4/6	dark yellowish brown	subsoil
50	0 - 10	sand		10YR 2/2	very dark brown	
	10 - 80	sand		10YR 4/6	dark yellowish brown	subsoil
51	0 - 8	sand		10YR 2/2	very dark brown	
	8 - 10	sand	charcoal	10YR 2/1	black	
	10 - 16	sand		10YR 5/3	brown	
	16 - 80	sand		10YR 4/6	dark yellowish brown	subsoil
52	0 - 23	silty sandy loam		10YR 4/4	dark yellowish brown	
	23 - 31	sand		10YR 3/2	very dark grayish brown	
	31 - 40	sand		10YR 4/4	dark yellowish brown	
	40 - 45	sand		10YR 3/2	very dark grayish brown	
	45 - 70	sand		10YR 3/3	dark brown	subsoil/disturbed
53	0 - 20	sandy loam		10YR 3/2	very dark grayish brown	
		sandy loam		10YR 4/4	dark yellowish brown	
	20 - 83	sand		10YR 4/6	dark yellowish brown	subsoil
54	0 - 20	sandy loam		10YR 4/4	dark yellowish brown	
	20 - 81	sand		10YR 4/6	dark yellowish brown	subsoil
55	0 - 22	sandy loam		10YR 3/3	dark brown	
	22 - 82	sand		7.5YR 3/4	dark brown	subsoil
56	0 - 21	sandy loam		10YR 3/4	dark yellowish brown	
	21 - 84	sand		10YR 5/6	yellowish brown	subsoil
57	0 - 33	sandy loam		10YR 4/4	dark yellowish brown	
	33 - 80	sand		10YR 4/6	dark yellowish brown	subsoil
58	0 - 14	sandy loam		10YR 4/4	dark yellowish brown	
	14 - 81	sand		10YR 4/6	dark yellowish brown	subsoil
59	0 - 20	sandy loam		10YR 4/4	dark yellowish brown	
	20 - 84	sand		10YR 5/6	yellowish brown	subsoil

# Albany Landfill Expansion Alternative 4

## Shovel Test Records

	Depth (cm)	Soil Type	Soil Inclusions	Munsell Color	Termination Reason
60	0 - 8	humus		10YR 2/2	very dark brown
	8 - 30	silty sand		10YR 4/4	dark yellowish brown
	30 - 50	silty sand		7.5YR 2.5/2	very dark brown
	50 - 80	silty sand		7.5YR 4/6	strong brown
61	0 - 6	humus		10YR 2/2	very dark brown
	6 - 28	silty sand		10YR 4/3	brown
	28 - 75	sand		10YR 6/6	brownish yellow
62	0 - 22	sand		7.5YR 2.5/1	black
	22 - 48	sand		10YR 5/6	yellowish brown
	48 - 80	sand		10YR 6/6	brownish yellow
63	0 - 31	sand		7.5YR 2.5/1	black
	31 - 51	sand		7.5YR 3/3	dark brown
	51 - 80	sand		7.5YR 4/6	strong brown
64	0 - 14	sand		10YR 3/2	very dark grayish brown
	14 - 47	sand		7.5YR 5/6	strong brown
	47 - 82	sand		7.5YR 6/8	reddish yellow
65	0 - 11	sand		10YR 3/3	dark brown
	11 - 49	sand		10YR 5/6	yellowish brown
66	0 - 9	sand		10YR 3/4	dark yellowish brown
	9 - 29	sand		10YR 5/6	yellowish brown
	29 - 63	sand		2.5Y 7/6	yellow
67	0 - 4	sand		10YR 2/2	very dark brown
	4 - 42	sand		10YR 3/4	dark yellowish brown
	42 - 80	sand		10YR 4/6	dark yellowish brown
68	0 - 5	sand		10YR 2/2	very dark brown
	5 - 26	sand		10YR 3/4	dark yellowish brown
	26 - 80	sand		10YR 4/6	dark yellowish brown
69	0 - 4	sand		10YR 2/2	very dark brown
	4 - 29	sand		10YR 3/4	dark yellowish brown
	29 - 80	sand		10YR 4/6	dark yellowish brown
70	0 - 32	sand		10YR 4/3	brown
	32 - 80	sand		10YR 4/6	dark yellowish brown
71	0 - 10	sand		10YR 2/2	very dark brown
	10 - 16	sand		10YR 3/6	dark yellowish brown
	16 - 80	sand		10YR 4/6	dark yellowish brown
72	0 - 12	sand		10YR 2/2	very dark brown
	12 - 25	sand		10YR 4/6	dark yellowish brown
	25 - 82	sand		10YR 5/6	yellowish brown
73	0 - 40	sandy loam		10YR 4/3	brown
	40 - 46	sand		10YR 4/6	dark yellowish brown

# Albany Landfill Expansion Alternative 4 Shovel Test Records

	<u>Depth (cm)</u>	<u>Soil Type</u>	<u>Soil Inclusions</u>	<u>Munsell Color</u>		<u>Termination Reason</u>
74	0 - 34	sandy loam		10YR 3/3	dark brown	
	34 - 85	sand		10YR 4/6	dark yellowish brown	subsoil
75	0 - 37	sandy loam		10YR 3/3	dark brown	
	37 - 82	sand		10YR 4/6	dark yellowish brown	subsoil
76	0 - 32	sandy loam		10YR 3/3	dark brown	
	32 - 80	sand		10YR 4/6	dark yellowish brown	subsoil
77	0 - 22	sandy loam		10YR 3/4	dark yellowish brown	
	22 - 83	sand		10YR 4/6	dark yellowish brown	subsoil
78	0 - 24	silty sand		10YR 4/3	brown	
	24 - 78	silty sand		10YR 6/6	brownish yellow	subsoil
79	0 - 12	humus		10YR 2/2	very dark brown	
	12 - 40	silty sand		10YR 4/3	brown	
	40 - 80	silty sand		10YR 5/8	yellowish brown	subsoil
80	0 - 29	silty sand		10YR 4/3	brown	
	29 - 79	silty sand		10YR 5/8	yellowish brown	subsoil
81	0 - 28	silty sand		10YR 4/3	brown	
	28 - 75	silty sand		10YR 5/8	yellowish brown	subsoil
82	0 - 18	silty sand		10YR 4/3	brown	
	18 - 48	silty sand		10YR 6/6	brownish yellow	
	46 - 81	silty sand		10YR 5/8	yellowish brown	subsoil
83	0 - 28	sandy loam		10YR 3/3	dark brown	
	28 - 56	sand		10YR 4/6	dark yellowish brown	roots
84	0 - 38	sandy loam		10YR 3/4	dark yellowish brown	
	38 - 83	sand		10YR 4/6	dark yellowish brown	subsoil
85	0 - 21	sandy loam		10YR 4/4	dark yellowish brown	
	21 - 28	sand		10YR 4/6	dark yellowish brown	
	28 - 81	sand		10YR 5/6	yellowish brown	subsoil
86	0 - 23	sandy loam		10YR 3/4	dark yellowish brown	
	23 - 81	sand		10YR 4/6	dark yellowish brown	subsoil
87	0 - 80	sand		10YR 5/6	yellowish brown	disturbed
88	0 - 15	silty sandy loam		10YR 3/2	very dark grayish brown	
	15 - 81	sand		10YR 5/6	yellowish brown	subsoil
89	0 - 8	sand		10YR 2/2	very dark brown	
	8 - 25	sand		10YR 3/4	dark yellowish brown	
	25 - 80	sand		10YR 4/6	dark yellowish brown	subsoil
90	0 - 7	sand		10YR 2/2	very dark brown	
	7 - 80	sand		10YR 4/6	dark yellowish brown	subsoil
91	0 - 12	sand		10YR 2/2	very dark brown	
	12 - 44	sand		10YR 3/4	dark yellowish brown	
	44 - 80	sand		10YR 4/6	dark yellowish brown	subsoil

# Albany Landfill Expansion Alternative 4

## Shovel Test Records

	Depth (cm)	Soil Type	Soil Inclusions	Munsell Color	Termination Reason
92	0 - 5	sand		10YR 2/2	very dark brown
	5 - 22	sand		2.5Y 3/3	dark olive brown
	22 - 43	sand		10YR 4/2	dark grayish brown
	43 - 55	sand	charcoal	10YR 2/1	black
	55 - 80	sand		10YR 4/3	brown
93	0 - 32	silty sand		10YR 4/3	brown
	32 - 77	silty sand		10YR 5/8	yellowish brown
94	0 - 15	silty sand		10YR 2/2	very dark brown
	15 - 30	silty sand		10YR 4/3	brown
	30 - 82	silty sand		10YR 5/8	yellowish brown
95	0 - 20	silty sand		10YR 3/2	very dark grayish brown
	20 - 77	silty sand		10YR 6/6	brownish yellow
96	0 - 10	sand		10YR 2/2	very dark brown
	10 - 18	sand		10YR 3/4	dark yellowish brown
	18 - 80	sand		10YR 4/6	dark yellowish brown
97	0 - 11	sand		10YR 2/2	very dark brown
	11 - 32	sand		10YR 3/4	dark yellowish brown
	32 - 80	sand		10YR 4/6	dark yellowish brown
98	0 - 8	sand		10YR 2/2	very dark brown
	8 - 30	sand		10YR 3/4	dark yellowish brown
	30 - 80	sand		10YR 4/6	dark yellowish brown
99	0 - 21	sand		10YR 3/4	dark yellowish brown
	21 - 28	sand		10YR 2/2	very dark brown
	28 - 49	sand		10YR 3/4	dark yellowish brown
	49 - 80	sand		10YR 4/6	dark yellowish brown
100	0 - 27	silty sand		10YR 2/2	very dark brown
	27 - 73	silty sand		10YR 5/8	yellowish brown
101	0 - 41	sandy silt		10YR 3/1	very dark gray
	41 - 48	silty sand	ash/cinders	10YR 6/2	light brownish gray
	48 - 60	silty sand		10YR 4/4	dark yellowish brown
	60 - 90	sand		10YR 5/8	yellowish brown
102	0 - 32	silty sand		10YR 4/3	brown
	32 - 79	sand		10YR 5/8	yellowish brown
103	0 - 23	silty sandy loam		10YR 3/4	dark yellowish brown
	23 - 83	sand		10YR 4/6	dark yellowish brown
104	0 - 16	silty sandy loam		10YR 3/4	dark yellowish brown
	16 - 83	sand		10YR 4/6	dark yellowish brown
105	0 - 17	silty sand	fill	10YR 3/3	dark brown
	17 - 34	silty sand		10YR 3/4	dark yellowish brown
	34 - 84	sand		10YR 4/6	dark yellowish brown

**Albany Landfill Expansion Alternative 4  
Shovel Test Records**

	<u>Depth (cm)</u>	<u>Soil Type</u>	<u>Soil Inclusions</u>	<u>Munsell Color</u>		<u>Termination Reason</u>
106	0 - 31	silty sandy loam		10YR 3/1	very dark gray	
	31 - 40	silty sand		10YR 3/4	dark yellowish brown	roots
107	0 - 30	silty sandy loam		10YR 3/1	very dark gray	
	30 - 82	silty sand		10YR 3/4	dark yellowish brown	subsoil
108	0 - 32	silty sandy loam		10YR 3/2	very dark grayish brown	
	32 - 70	silty sand		10YR 5/6	yellowish brown	
		silty sand		10YR 5/4	yellowish brown	
	70 - 85	sand		10YR 5/6	yellowish brown	subsoil
109	0 - 19	sandy loam		10YR 3/4	dark yellowish brown	
	19 - 82	sand		10YR 5/6	yellowish brown	subsoil
110	0 - 28	silty sand		10YR 4/3	brown	
	28 - 78	silty sand		10YR 6/6	brownish yellow	subsoil
111	0 - 13	silty sand		10YR 4/3	brown	
	13 - 25	silty sand		10YR 6/6	brownish yellow	
	25 - 44	silty sand		10YR 4/3	brown	
	44 - 80	silty sand		10YR 5/8	yellowish brown	subsoil
112	0 - 22	silty sand		10YR 3/1	very dark gray	
	22 - 74	silty sand		10YR 5/8	yellowish brown	subsoil
113	0 - 33	silty sand		10YR 3/1	very dark gray	
	33 - 77	silty sand		10YR 5/8	yellowish brown	subsoil
114	0 - 10	silty sand		10YR 3/1	very dark gray	
	10 - 25	silty sand		10YR 4/3	brown	
	25 - 36	silty sand	ash/cinders	10YR 6/2	light brownish gray	
	50 - 89	silty sand		10YR 5/8	yellowish brown	subsoil
	35 - 50	silty sand		10YR 6/6	brownish yellow	
115	0 - 24	silty sand		10YR 3/2	very dark grayish brown	
	24 - 34	silty sand		10YR 6/6	brownish yellow	
	34 - 75	silty sand		10YR 5/8	yellowish brown	subsoil
116	0 - 20	silty sand		10YR 3/2	very dark grayish brown	
	20 - 40	silty sand		10YR 6/6	brownish yellow	
	40 - 80	silty sand		10YR 5/8	yellowish brown	subsoil
117	-					
	0 - 8	sand		10YR 2/2	very dark brown	
	8 - 29	sand		10YR 3/5	dark yellowish brown	
	29 - 40	sand		10YR 2/2	very dark brown	
	40 - 80	sand		10YR 5/6	yellowish brown	subsoil
118	0 - 29	silty sandy loam		10YR 3/4	dark yellowish brown	
	29 - 82	sand		10YR 4/6	dark yellowish brown	subsoil
119	0 - 38	sand		2.5Y 3/3	dark olive brown	
	38 - 80	sand		10YR 5/4	yellowish brown	subsoil

## Albany Landfill Expansion Alternative 4 Shovel Test Records

	<u>Depth (cm)</u>	<u>Soil Type</u>	<u>Soil Inclusions</u>	<u>Munsell Color</u>		<u>Termination Reason</u>
120	0 - 24	silty sandy loam		10YR 3/3	dark brown	
	24 - 80	silty sand		10YR 5/6	yellowish brown	subsoil
121	0 - 10	sand		10YR 2/1	black	
	10 - 24	sand		2.5Y 3/3	dark olive brown	
	24 - 86	sand		2.5Y 4/4	olive brown	subsoil
122	0 - 21	silty sand		10YR 4/3	brown	
	21 - 52	silty sand		10YR 5/8	yellowish brown	subsoil/roots
123	0 - 15	silty sand		10YR 2/1	black	
	15 - 37	silty sand		10YR 4/3	brown	
	37 - 79	silty sand		10YR 5/8	yellowish brown	subsoil
124	0 - 10	silty sand		10YR 2/2	very dark brown	
	10 - 30	silty sand		10YR 4/3	brown	
	30 - 55	silty sand		10YR 3/2	very dark grayish brown	
	55 - 58	silty sand		7.5YR 5/6	strong brown	
	58 - 80	sand		10YR 5/8	yellowish brown	subsoil
125	0 - 25	silty sand		10YR 5/2	grayish brown	
	25 - 76	silty sand		10YR 5/8	yellowish brown	subsoil
126	0 - 26	silty sand		10YR 5/2	grayish brown	
	26 - 73	silty sand		10YR 5/8	yellowish brown	subsoil
127	0 - 26	silty sand		10YR 5/2	grayish brown	
	26 - 45	silty sand		10YR 5/8	yellowish brown	subsoil/roots
128	0 - 27	silty sandy loam		10YR 4/3	brown	
	27 - 63	silty sand		10YR 6/6	brownish yellow	
	63 - 80	sand		10YR 5/8	yellowish brown	subsoil
129	0 - 11	sand		10YR 2/2	very dark brown	
	11 - 36	sand		10YR 3/5	dark yellowish brown	
	36 - 80	sand		10YR 5/6	yellowish brown	subsoil
130	0 - 10	sand		10YR 2/2	very dark brown	
	10 - 26	sand		2.5Y 3/3	dark olive brown	
	26 - 35	sand		2.5Y 4/3	olive brown	
	35 - 80	sand		2.5Y 5/3	light olive brown	subsoil
131	0 - 8	sand		10YR 2/2	very dark brown	
	8 - 27	sand		2.5Y 3/3	dark olive brown	
	25 - 32	sand		7.5YR 4/6	strong brown	
	32 - 80	sand		7.5YR 5/4	brown	subsoil
132	0 - 32	sand		2.5Y 3/3	dark olive brown	
	32 - 80	sand		2.5Y 5/4	light olive brown	subsoil
133	0 - 13	clayey sand	fill	10YR 2/2	very dark brown	
	13 - 38	sand		2.5Y 3/3	dark olive brown	
	38 - 80	sand		10YR 4/4	dark yellowish brown	subsoil

# Albany Landfill Expansion Alternative 4

## Shovel Test Records

	Depth (cm)	Soil Type	Soil Inclusions	Munsell Color	Termination Reason
134	0 - 20	silty sandy loam		10YR 4/1 dark gray	
	20 - 33	silty sand		10YR 3/6 dark yellowish brown	
	33 - 81	silty sand		10YR 6/3 pale brown	subsoil
135	0 - 25	silty sandy loam		10YR 3/1 very dark gray	
	25 - 80	silty sand		10YR 5/6 yellowish brown	subsoil
		silty sand		10YR 6/3 pale brown	subsoil
136	0 - 24	silty sandy loam		10YR 4/1 dark gray	
	24 - 34	silty sand		10YR 4/4 dark yellowish brown	
	34 - 82	silty sand		10YR 6/3 pale brown	subsoil
137	0 - 29	silty sandy loam		10YR 2/2 very dark brown	
	29 - 36	silty sand		10YR 3/6 dark yellowish brown	
	36 - 83	sand		10YR 5/6 yellowish brown	subsoil
138	0 - 22	sandy silty loam	fill	10YR 4/3 brown	
	22 - 43	silty sand		10YR 2/2 very dark brown	
	43 - 70	compact sand		10YR 5/6 yellowish brown	compact soil
139	0 - 27	silty sand		10YR 4/3 brown	
	27 - 79	silty sand		10YR 6/8 brownish yellow	subsoil
140	0 - 18	sandy loam		10YR 2/2 very dark brown	
	18 - 30	silty sand		10YR 5/3 brown	
	30 - 68	sand	charcoal	10YR 6/2 light brownish gray	
	68 - 81	sand		10YR 5/8 yellowish brown	subsoil
141	0 - 28	silty sand		10YR 4/3 brown	
	28 - 33	silty sand	ash/cinders	10YR 6/2 light brownish gray	
	33 - 44	silty sand	charcoal	10YR 2/1 black	
	44 - 52	silty sand		10YR 6/6 brownish yellow	
	52 - 79	sand		10YR 5/8 yellowish brown	subsoil
142	0 - 20	silty sand		10YR 4/3 brown	
	20 - 53	sand		10YR 5/8 yellowish brown	subsoil/roots
143	0 - 32	sand		2.5Y 3/3 dark olive brown	
	32 - 80	sand		2.5Y 5/3 light olive brown	subsoil
144	0 - 19	silty sandy loam		10YR 4/2 dark grayish brown	
	19 - 30	silty sand		10YR 4/4 dark yellowish brown	
		silty sand		10YR 5/6 yellowish brown	
	30 - 83	silty sand		10YR 6/3 pale brown	subsoil
145	0 - 30	silty sand		10YR 4/3 brown	
	30 - 74	silty sand		10YR 5/8 yellowish brown	subsoil
146	0 - 12	sand		2.5Y 3/3 dark olive brown	
	12 - 80	sand		2.5Y 5/3 light olive brown	subsoil
147	0 - 24	sandy loam		10YR 4/6 dark yellowish brown	
	24 - 81	sand		10YR 5/6 yellowish brown	subsoil

# Albany Landfill Expansion Alternative 4

## Shovel Test Records

	<u>Depth (cm)</u>	<u>Soil Type</u>	<u>Soil Inclusions</u>	<u>Munsell Color</u>		<u>Termination Reason</u>
148	0 - 40	silty sand		10YR 4/4	dark yellowish brown	
	40 - 60	sand		10YR 6/6	brownish yellow	subsoil
149	0 - 14	sand		10YR 2/2	very dark brown	
	14 - 43	sand		10YR 3/3	dark brown	
	43 - 60	sand		10YR 4/4	dark yellowish brown	subsoil
150	0 - 14	silty sand	fill	10YR 3/2	very dark grayish brown	
		silty sand	fill	10YR 4/6	dark yellowish brown	
	14 - 17	silty sandy loam		10YR 2/1	black	
	17 - 41	silty sand		10YR 3/2	very dark grayish brown	
	41 - 63	sand		10YR 4/6	dark yellowish brown	subsoil
151	0 - 21	sandy loam		10YR 3/4	dark yellowish brown	
	21 - 50	sand		10YR 4/6	dark yellowish brown	subsoil
152	0 - 8	sand		10YR 2/2	very dark brown	
	8 - 27	sand		10YR 3/4	dark yellowish brown	
	27 - 50	sand		10YR 4/6	dark yellowish brown	subsoil
153	0 - 22	sandy loam		10YR 4/3	brown	
	22 - 51	sand		10YR 4/6	dark yellowish brown	subsoil
154	0 - 10	sand		10YR 2/2	very dark brown	
	10 - 32	sand		10YR 3/4	dark yellowish brown	
	32 - 70	sand		10YR 4/6	dark yellowish brown	subsoil
155	0 - 10	sand		10YR 2/2	very dark brown	
	10 - 38	sand		10YR 3/4	dark yellowish brown	
	38 - 55	sand		10YR 4/6	dark yellowish brown	subsoil
156	0 - 11	silty sandy loam		10YR 2/2	very dark brown	
	11 - 53	sand		10YR 4/6	dark yellowish brown	subsoil
157	0 - 12	sand		10YR 2/2	very dark brown	
	12 - 44	sand		10YR 3/4	dark yellowish brown	
	44 - 60	sand		10YR 3/6	dark yellowish brown	subsoil
158	0 - 26	silty sand		10YR 2/2	very dark brown	
	26 - 60	silty sand		10YR 4/3	brown	
	60 - 79	sand		10YR 4/6	dark yellowish brown	subsoil



**Appendix II:  
Artifact Catalog**

Albany Landfill Expansion Alternative 4  
Artifact Inventory, Shovel Tests

SIP	Feature	Level	Cut #	Bag #	Item	Count	Artifact Description	Weight
77		1	1	1	1	1	nail, iron alloy, fragment	1.5 g
85		1	2	1	1	1	grey bodied, hollowware, stoneware, body, Albany slip & salt-glazed, brown, fragment	12.4 g
			2	2	1	1	bottle, beverage, glass, body, pale aqua, mold blown, fragment	13.4 g
			3	3	1	1	nail, iron alloy, fragment	8.1 g
88		1	3	1	1	1	buffpink bodied, hollowware, stoneware, base, Albany slip & salt-glazed, fragment	29.5 g
			2	2	1	1	window, glass, fragment	2.4 g
			3	1	1	1	shell, clam, fragment	1.3 g
			4	3	3	3	shell, oyster, fragment	9.2 g
			5	2	2	2	nail, iron alloy, fragment	6.9 g
92		2	5	1	1	1	whiteware, refined earthenware, body, decorated, blue, fragment	0.9 g
			2	4	4	4	whiteware, refined earthenware, body, undecorated, fragment	0.8 g
			3	1	1	1	buffpink bodied, hollowware, stoneware, body, Albany slip & salt-glazed, brown, fragment	5.5 g
			4	1	1	1	unidentified hardware, circular, iron alloy, fragment	6.2 g
92		3	5	1	1	1	whiteware, refined earthenware, rim, decorated, blue, fragment	0.4 g
			2	1	1	1	whiteware, refined earthenware, body, sponged, blue, fragment	1 g
			3	5	5	5	whiteware, refined earthenware, body, undecorated, fragment	1 g
			4	1	1	1	yellowware, refined earthenware, rim, undecorated, fragment	1.6 g
			5	1	1	1	buffpink bodied, hollowware, stoneware, body, salt-glazed, brown, fragment, iron oxide decoration exterior	5.5 g
			6	1	1	1	buffpink bodied, hollowware, stoneware, body, Albany slip & salt-glazed, brown, fragment	0.9 g
			7	1	1	1	porcelain, porcelain, rim, undecorated, fragment	1 g
			8	1	1	1	porcelain, porcelain, base, undecorated, fragment	5.8 g
			9	1	1	1	vessel, glass, pale aqua, mold blown, fragment	2.8 g
			10	1	1	1	recware, coarse earthenware, unglazed, fragment	1.2 g
			11	1	1	1	recware, coarse earthenware, unglazed, fragment, with mortar	1.9 g
			12	1	1	1	nail, iron alloy, fragment	1.3 g
98		2	7	1	1	1	whiteware, refined earthenware, body, unglazed, fragment	1.5 g
			2	1	1	1	white bodied, refined earthenware, body, glaze missing	0.1 g
			3	1	1	1	window, glass, fragment	0.3 g
			4	1	1	1	button, four hole sew through, iron alloy, complete, 1.4cm diameter, with thread wrapped through holes	0.8 g
			5	1	1	1	tobacco pipe, ball clay-white, bowl, fragment	1 g
99		1	6	1	1	1	bottle, beverage, glass, body, bright green, machine molded, fragment	0.5 g
99		2	9	1	2	2	whiteware, refined earthenware, body, undecorated, fragment	1.1 g

Albany Landfill Expansion Alternative 4  
Artifact Inventory, Shovel Tests

SIP	Feature	Level	Cut#	Bag#	Item	Count	Artifact Description	Weight
99		2		9	2	1	bottle, glass, body, amber, machine moided, fragment	0.4 g
					3	1	unidentified, flat, glass, pale aqua, mold blown, fragment	4.1 g
101		1		10	1	1	drainage tile, ceramic, fragment	46.5 g
105		2		11	1	1	nail, iron alloy, fragment	10.5 g
					2	1	unidentified hardware, composite, fragment	34.2 g
106		1		12	1	1	redware, coarse earthenware, unglazed, fragment, with mortar	24.5 g
					2	1	nail, iron alloy, fragment	1 g
107		1		13	1	1	nail, iron alloy, fragment	2 g
117		1		14	1	1	grey bodied, hollowware, stoneware, body, Albany slip & salt-glazed, fragment	8.7 g
					2	7	faunal bone, calcined, fragment	2.9 g
					3	1	button, four hole sew through, glass, complete, white, 1.1cm diameter	0.4 g
					4	1	buffpink bodied, hollowware, stoneware, body, Albany slip	150.1 g
					5	1	unidentified, ceramic, fragment	11.8 g
					6	1	wood, burned, fragment	0.1 g
					7	1	nail, iron alloy, complete, cut	5.8 g
					8	11	nail, iron alloy, fragment	33.9 g
					9	1	unidentified, iron alloy, fragment	3.7 g
118		1		15	1	1	nail, iron alloy, complete, cut	8 g
123		1		16	1	5	faunal bone, deer/goat/sheep, mandible, fragments mend	8.5 g
124		3		17	1	1	redware, coarse earthenware, unglazed, fragment	0.4 g
					2	1	unidentified hardware, iron alloy, fragment	25.3 g
151		1		18	1	1	faunal bone, mammal, calcined, fragment	1.3 g
152		2		19	1	2	wire, iron alloy, fragment	4.9 g
					2	2	nail, iron alloy, fragment	6.6 g
153		1		20	1	3	whiteware, plate, refined earthenware, rim, molded decoration, fragments mend	7.1 g
					2	2	whiteware, hollowware, refined earthenware, base, undecorated, fragments mend	6.2 g
					3	3	whiteware, refined earthenware, body, undecorated, some fragments mend	1 g
					4	1	lamp chimney, glass, body, colorless, mold blown, fragment	0.2 g
					5	1	unidentified, glass, aquamarine, burned, fragment	1.2 g
					6	2	window, glass, fragment	5 g
					7	1	faunal bone, mammal, fragment	2.5 g

Albany Landfill Expansion Alternative 4  
Artifact Inventory, Shovel Tests

STP	Feature	Level	Box #	Bag #	Item	Count	Artifact Description	Weight
153		1		20	8	1	shell, clam, fragment	4.2 g
					9	1	coal, fragment	1.2 g
					10	2	coal, burned, fragment	0.6 g
					11	2	nail, iron alloy, complete, cut	17 g
					12	7	nail, iron alloy, fragment	23.1 g
					13	2	unidentified hardware, iron alloy, fragment	4.3 g
154		2		21	1	1	redware, coarse earthenware, unglazed, fragment	0.7 g
					2	1	vessel, glass, body, colorless, mold blown, fragment	0.5 g
155		2		22	1	1	nail, iron alloy, fragment	5 g
					2	1	unidentified, iron alloy, fragment	4.3 g
156		1		23	1	1	vessel, glass, body, colorless, machine molded, fragment, mold seam	0.7 g
					2	1	window, glass, fragment	0.2 g

# Albany Landfill Expansion Alternative 4

## Shovel Test Records

<u>Test</u>	<u>Level</u>	<u>Material Not Collected</u>	<u>Comments</u>
18	1	clear bottle glass rim frag.	
65	1	dog mandible	
81	1	garbage	
85	1	metal, slag and coal ash	
86	1	metal, slag and charcoal	
88	1	modern colorless and green bottle glass	
91	2	coal	
92	2	coal	
	3	coal	
96	2	coal	
99	2	coal	
102	1	plastic and garbage	
103	1	charcoal and mortar	
104	1	metal, slag and charcoal	
108	1	charcoal, styrofoam and modern colorless bottle glass	
138	1	Friehoffers plastic bread bag, plastic, modern bottle glass, metal fragment and brick	
146	1	animal bone	
149	1	plastic	
	2	plastic	
151	1	charcoal	
152	2	coal	
153	1	charcoal	
154	2	coal	
155	2	coal	
156	1	charcoal, brick and flat metal fragments	

**Appendix III:  
Pine Bush Preserve Map**

Map 4 Legend: Sites Reported to HAA, Inc. by John Wolcott

(For the most part, descriptions are verbatim but in some cases, Wolcott's notes are paraphrased.)

1. Old house back from Road.
2. 18th century Middle Road - Now Albany Street.
3. Substation of Electric RR. - Schenectady Railway, turn of the century.
4. Vly Road, date uncertain, early route to Niskayuna. This section renamed Karner Rd.
5. Site of village schoolhouse, Village of Centre (Karners).
6. Village of Centre which grew up around the railroad station after 1831. In 1882 the area's first commuter suburb was planned here by the Karner Bros. who promoted fresh pine air and rapid rail connections to Albany and Schenectady, never really developed.
- \* 7. Centre House Rd., early 19th century, so named because it led from the Verbergh via Vly Road to the Centre House Hotel and Tavern at Vly Road and the Schenectady Turnpike.
8. Old house back from road.
9. Cellar remains of Karner Shaker Farm - largest outlying farm (see Anderson Office Park report by HAA, Inc. 1990).
10. Maquas Padt 1660 - later the Kings Highway now Kings Road.
11. Broken remains of Manor Marker 1800.
12. Traces of Indian occupation, at home of Paul Rapp.
13. ROW of original roadbed of the Mohawk & Hudson RR, first chartered passenger RR in US 1826, not constructed until 1830.
14. Traces of Indian occupation (small collection - Save the Pine Bush).
15. Trace of the Maquas Padt 1660 and possibly earlier.
16. An early house and barn.
17. Well of a colonial tavern at the Verbergh.
18. Colonial tavern at the Verbergh, cellar remains.
19. Site of Centre Station Mohawk & Hudson Railroad - 1831.

\* Located Within Albany Pine Bush Preserve

Map 4 Legend: Sites Reported to HAA, Inc. by John Wolcott

32 metal axe deep inside of the tree with so many rings grown over it that it would have made the cut about 50 years or so before the arrival of Hudson in this part of the world. Our only information about the name, location and a few other things about the Vyt Kyck seem to have survived only because of the Normans Kill-Van Ball-Rensselaerwyck lawsuits, plus some maps relating to the Rensselaerwyck-Albany-Schenectady boundary controversies. The Van Ball-Normanskill proprietors said that the Vyt Kyck was by the Indians, called "Otgagtenonde" alius "De Vithock ofte Vitkick." In other words, they claimed the place named in the patent "an outhook of land" was a particular place called the Vyt Kyck, which the patroons denied. At another point they state that about 1688 Joseph Yates (The ancestor of Abraham Yates of Albany and of Joseph C. Yates - 1st mayor of Schenectady), Gysbert van Brackelen, and Adam Vrooman, from Schenectady used to spend 3 or 4 weeks every year hunting rabbits at the Vyt Kyck and that Yates had definitely called it "the Outhoeck."

In an undated memorandum by Edward Collins, an Albany lawyer for the Normanskill people, probably about 1743 or 1744, is the following interesting remark:

"Ye outlook in the Dutch Language called the Vyt Kyck, and has its derivation of its name from this (viz.) the Handlers (traders - Wolcott's note) used to stop there in order to see if any Indians were coming from Schenectady for from this Hill they could see for a great distance." - of course, this sounds like "Traders Hill" which is much closer to Albany, and outside of the study area, but perhaps there were two such places.

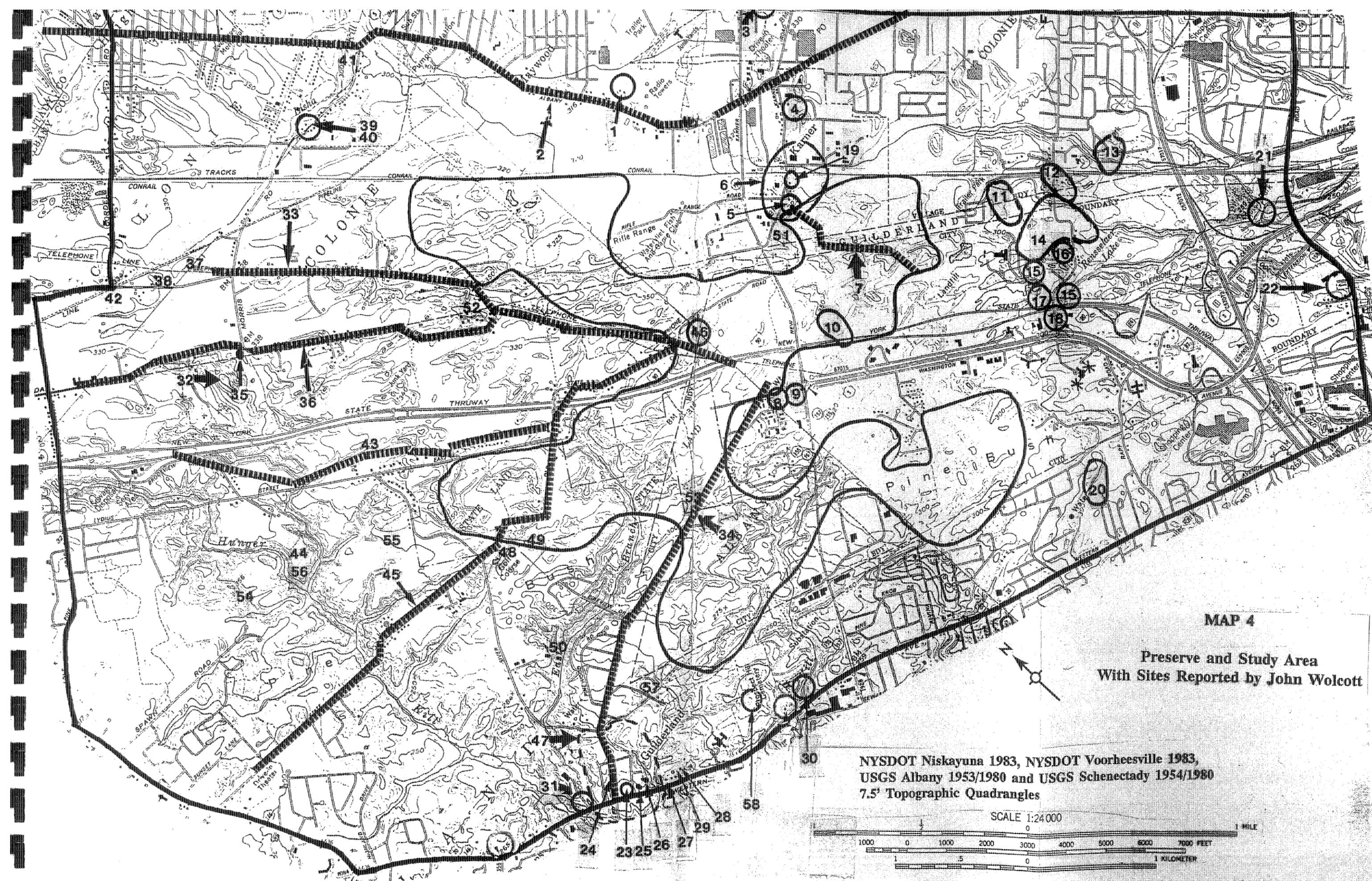
- \*33. Oldest highway in upstate New York. The earliest reference to this road was in 1660, when it was called "Maquas Padt" or Mohawk Path. In the Dutch records of the founding of Schenectady 1661-1664 the provincial surveyor of New Netherlands (Jacque Cortelyou) was asked to come up from Manhattan, to survey both the Village of Schenectady and this road. Later on after the English conquest the road became a "King's Highway." Since it is now but a byway, it is called Kings Road. This was the main road west until 1792 when the State Road was opened, which branched off from this road in front of Isaac Truax Jr.'s Tavern, a key feature in all dealings with the Iroquois, Colonial and Revolutionary Wars, western Mohawk etc.
- \*34. The road to Schoharie, probably opened around 1750 but date uncertain. The portion where it goes through the hamlet, or village of Guilderland was called "Glass Street" throughout most of the 19th century. Sometimes the road itself north of the village was called "Glass House Road."
35. Ruins of the Pine Bush School, a locally famous rural schoolhouse operating from about the mid-19th century to the mid-20th century located at the foot of the Vyt Kyck.
36. Curry Road - appears on the 1800 Van Allen-DeWitt map of the Albany-Rensselaerwyck treaty bounds and so it is at least late 18th century, possibly earlier. It leads to Rynex Corners, a small settlement founded by William Corry around 1740 and originally called Corry's Bush. The road was originally called Corry's Bush Road, hence the name Curry Road. Some maps have "Curry Bush Road." The use of the word "Bush" in eastern New York is interesting, and sometimes confusing. It is derived from the Dutch Bosch or Bos, which only meant forest. In New York it came to be used for small settlements but also in its original sense in the case of the Pine Bush. It also came to be used with the word Kreupel for a swamp or marsh or drowned land as in the case of the Cripple Bush Farm, located in the Pine Bush a little passed where Curry Bush Road branches off from the King's Highway.

Map 4 Legend: Sites Reported to HAA, Inc. by John Wolcott

37. Earliest known marked cemetery in the Pine bush - the Truax Family Burial Ground needs care and protection. A "For Sale" sign has been seen here, recently, reading "Zoned Industrial."
38. Cellar hole of the Isaac Jacobse Truax Tavern (c.1768). The place is famous for: stops by George Washington on his trips to Schenectady and the Mohawk valley, many dire tales of robberies, ghost stories relating to Revolutionary soldiers. Also, reports have been made as to possible Indian burials and a camp. This tavern was associated with the Kruepel Bos, or Cripple Bush Farm. The cellar hole was cleaned out, measured and drawn by a SUNYA team under the direction of Don Rittner in 1973. This property was a perpetual or durable leasehold of Rensselaerwyck.
39. Site of Dirck Groot's sawmill (c.1760) - relates to colonial forest industries in the Pine Bush. Henry Lansing built a sawmill and a gristmill here in 1875 and a prosperous ice business was conducted on the mill pond which furnished ice to meat cars at the Karner railroad yards in the late 19th century and early 20th century. In the 1930s and 1940s, the mill pond became a popular summer and day resort with beach and cabins known as Rudd's Beach. This was also a perpetual leasehold of Rensselaerwyck.
40. The Millers house - the Federal style suggests that it is the house of the first Lansing to own the sawmill, but may be rebuilding of original Groot house. Was a perpetual leasehold of Rensselaerwyck.
41. Site of a house marked "Sam Ceasar" on the John Randall map of 1805.
42. Cannon Hill. This is the hill named on the beginning point in the Manor Lease to Isaac Jacobse Truax in 1769.
43. Island Road. A long vanished road, but one that shows up on the Albany Great Lot roll maps of the Pine Bush from 1818 onward in the 19th (sic) century.
44. Island. This is the name placed upon the area between the Hunger Kill and the last of its eastern forks.
45. Old State Road. Established in 1792 by an act of the New York State Legislature. The act directed that the road begin at the house of Isaac Truax Jr.
46. Tavern of Isaac Truax Jr. built c.1790. Isaac Truax Jr. was a son of Isaac Jacobse Truax. This was the first known meeting place of the Town Board of the Town of Watervliet in 1793. The original first stretch of the State Road is still visible opposite the west end of the lilac hedge bordering the cellar hole.
47. Hamilton or Hamiltonville. A village laid out in 1806 by the Hamilton Manufacturing Company. As originally mapped out, which was for glass workers, had streets named after the glass industry (ie. Glass Street, Bottle Street). The glass works were further down the Hunger Kill, just outside of the study area. The original glass factory here was started in 1786 by Leonard and Fan de Neufville from Amsterdam, Netherlands.

Map 4 Legend: Sites Reported to HAA, Inc. by John Wolcott

48. A boundary stone marked MANOR on one side and ALBANY 1800 on the other. These markers were set at intervals along the north and south city lines from the river to the north manor line pursuant to a boundary agreement between the Manor of Rensselaerwyck and the City of Albany.
49. A stone marking the northwest corner of "the Gore" or that space in the northern portion of the Van Ball Patent, as settled in Supreme Court in 1789, which sets between the south bounds of Albany as agreed upon in 1800 and the south bounds of Albany as surveyed in 1712.
50. A stone similar to the one described in #49 to mark the southwest corner of the Gore.
51. Manor-Albany stone.
52. Manor-Albany stone.
53. Manor-Albany stone.
54. Manor-Albany stone.
55. Earthen ridge along the trail to the Hunger Kill from the State Preserve west of Silver Road. As indicated on a map of Rensselaerwyck lots in the area in 1844, similar ridges to this were heaped up by farmers to make field divisions or boundary lines.
56. Traces of Indian occupation in the area called the "Island" (see #44). It is described as a possible campsite.
57. Farm house and barns c.19th century now or recently known as the Circle M Ranch. Once known as the Sand Hollow Ranch apparently after the blowout basin. House is probably mid-19th century but there is some Dutch colonial ironwork on one of the barns, apparently salvage.
58. Prospect Hill Cemetery c. mid-19th century but with some earlier burials removed to it. There is a 19th century cobblestone vault by Rte. 20.

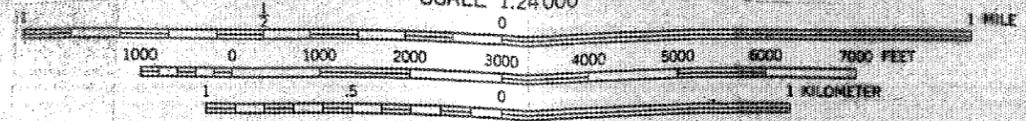


MAP 4

Preserve and Study Area  
With Sites Reported by John Wolcott

NYS DOT Niskayuna 1983, NYS DOT Voorheesville 1983,  
USGS Albany 1953/1980 and USGS Schenectady 1954/1980  
7.5' Topographic Quadrangles

SCALE 1:24 000



**Appendix IV:  
OPRHP Historic Site Forms**

HISTORIC ARCHEOLOGICAL SITE INVENTORY FORM

New York State Office of Parks, Recreation and Historic Preservation
Peebles Island, PO Box 189
Waterford, New York 12188-0189
(518) 237-8643

UNIQUE SITE NO.
QUAD Albany

Reported by: Abigail McGuirk
Your address: 1744 Washington Ave, Ext, Rensselaer, NY 12144
Organization (if any): Hartgen Archeological Associates, Inc.
Telephone: 518-427-0382 Date: April 12, 2006

\*\*\*\*\*

- 1. SITE NAME: Albany Landfill Historic Site A
2. COUNTY: Albany Town/City: City of Albany Village:
3. LOCATION: 2,000 feet (610 m) north of US 90; 4,000 feet (1,220 m) west of Rapp Road; on the northern border of the Albany Landfill
4. PRESENT OWNER:
5. OWNER'S ADDRESS:

6. DESCRIPTION, CONDITION, EVIDENCE OF SITE:

- Standing ruins Cellar hole with walls
Surface traces visible Walls without cellar hole
Under cultivation Erosion
X No visible evidence Under water
X Other Dead poplars ringed by old growth pines and oaks

7. COLLECTION OF MATERIAL FROM SITE:

- Surface Collecting By whom: Date:
X Testing By whom: Hartgen Archeological Assoc. Date: March 2006
Excavation By whom: Date:
None

Present repository of materials: HAA, Inc. Lab; 331 US-4, North Greenbush, New York

8. HISTORIC CULTURAL AFFILIATION OR DATE: mid-1800s

9. HISTORICAL DOCUMENTATION OF SITE:

10. MANUSCRIPT OR PUBLISHED REPORT(S) (REFERENCE FULLY):

Hartgen Archeological Associates, Inc.

2006 *Phase IB Field Reconnaissance, Albany Landfill Expansion Alternative 4, City of Albany, Albany County, New York.* On file at OPRHP, Waterford, New York.

11. POSSIBILITY OF SITE DESTRUCTION OR DISTURBANCE:

If expansion of the landfill into this area is approved, the site will be destroyed.

12. REMARKS:

Possible structure site relating to occupation of the Pine Bush

13. MAP LOCATION:

7.5 Minute Series Quad Name: Albany

15 Minute Series Quad Name: Albany

U.T.M. Coordinates: 18 593642 E; 4729206 N

D.O.T. Coordinates (if known): \_\_\_\_\_

(ATTACH SKETCH, TRACING OR COPY OF MAP)

14. PHOTOGRAPHS (optional):

HISTORIC ARCHEOLOGICAL SITE INVENTORY FORM

New York State Office of Parks, Recreation and Historic Preservation
Peebles Island, PO Box 189
Waterford, New York 12188-0189
(518) 237-8643

UNIQUE SITE NO.
QUAD Albany

Reported by: Abigail McGuirk
Your address: 1744 Washington Ave, Ext, Rensselaer, NY 12144

Organization (if any): Hartgen Archeological Associates, Inc.
Telephone: 518-427-0382 Date: April 12, 2006

\*\*\*\*\*

1. SITE NAME: Albany Landfill Historic Site B

2. COUNTY: Albany Town/City: City of Albany Village:

3. LOCATION: 2,000 feet (610 m) north of US 90; 4,000 (1,220 m) feet west of Rapp Road;
on the northern border of the Albany Landfill

4. PRESENT OWNER:

5. OWNER'S ADDRESS:

6. DESCRIPTION, CONDITION, EVIDENCE OF SITE:

- Standing ruins, Surface traces visible, Under cultivation, No visible evidence, Other Dead poplars ringed by old growth pines and oaks, Cellar hole with walls, Walls without cellar hole, Erosion, Under water

7. COLLECTION OF MATERIAL FROM SITE:

- Surface Collecting, Testing, Excavation, None, By whom, Date, Hartgen Archeological Assoc., March 2006

Present repository of materials: HAA, Inc. Lab; 331 US-4, North Greenbush, New York

8. HISTORIC CULTURAL AFFILIATION OR DATE: mid-1800s

9. HISTORICAL DOCUMENTATION OF SITE:

10. MANUSCRIPT OR PUBLISHED REPORT(S) (REFERENCE FULLY):

Hartgen Archeological Associates, Inc.

2006 *Phase IB Field Reconnaissance, Albany Landfill Expansion Alternative 4, City of Albany, Albany County, New York.* On file at OPRHP, Waterford, New York.

11. POSSIBILITY OF SITE DESTRUCTION OR DISTURBANCE:

If expansion of the landfill into this area is approved, the site will be destroyed.

12. REMARKS:

Possible structure site relating to occupation of the Pine Bush

13. MAP LOCATION:

7.5 Minute Series Quad Name: Albany

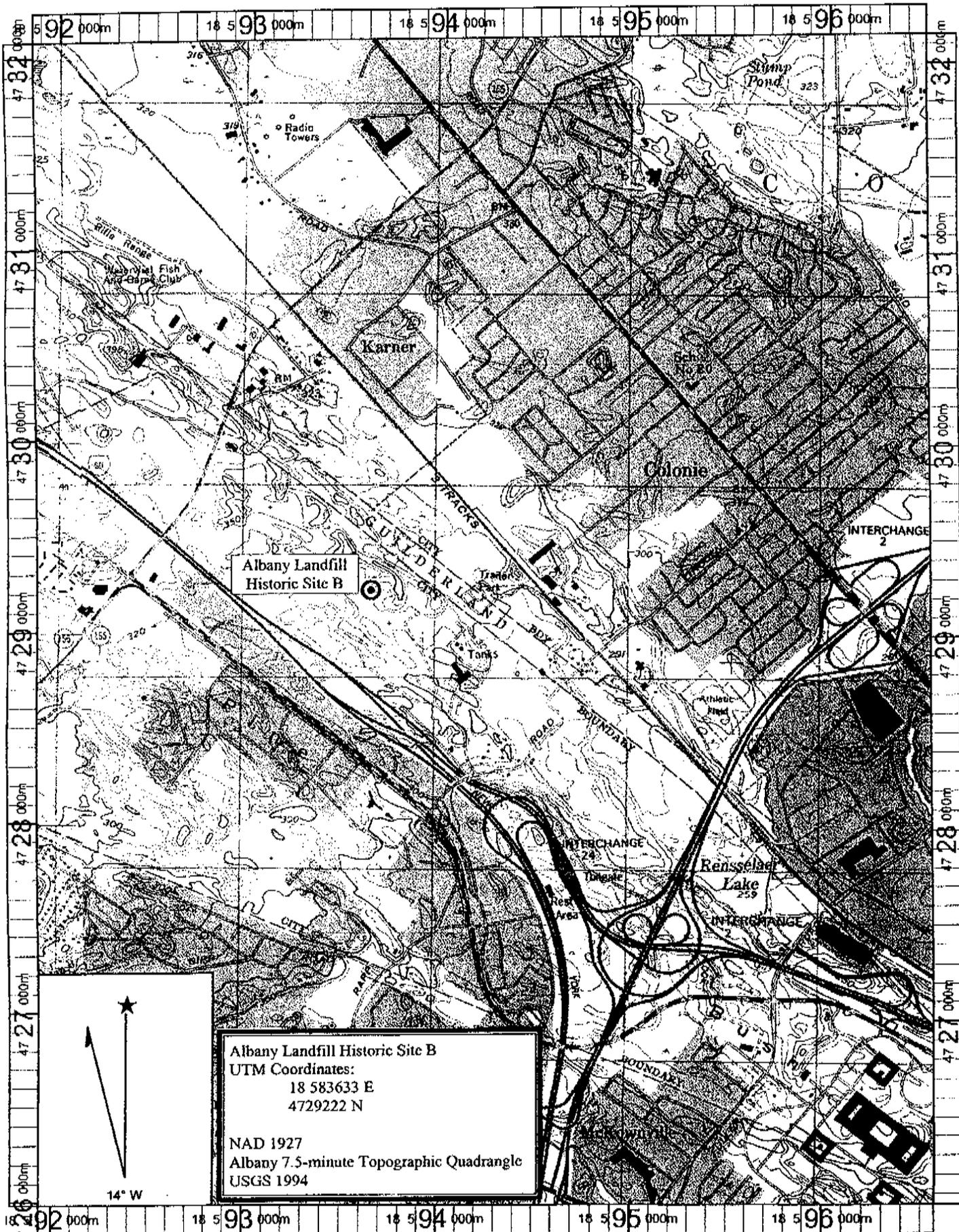
15 Minute Series Quad Name: Albany

U.T.M. Coordinates: 18 583633 E; 4729222 N

D.O.T. Coordinates (if known): \_\_\_\_\_

(ATTACH SKETCH, TRACING OR COPY OF MAP)

14. PHOTOGRAPHS (optional):



**Appendix V:  
OPRHP Review Cover Form**



**New York State Office of Parks, Recreation and Historic Preservation  
Historic Preservation Field Services Bureau**

Peebles Island Resource Center, PO Box 189, Waterford, NY 12188-0189 (Mail)  
Delaware Avenue, Cohoes 12047 (Delivery)

(518) 237-8643

**PROJECT REVIEW COVER FORM**

Rev. 10-04

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

This information relates to a previously submitted project.

**PROJECT NUMBER** 06 PR 01161

**COUNTY:** ALBANY



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

2. This is a new project.



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

**Project Name** \_\_\_\_\_

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

**City/Town/Village** \_\_\_\_\_  
List the correct municipality in which your project is being undertaken. If in a hamlet you must also provide the name of the town.

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

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

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

No  Yes

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

Agency involved	Type of permit/approval	State	Federal
_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>	<input type="checkbox"/>

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

Yes  No

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

Yes  No

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

Yes  No

**CONTACT PERSON FOR PROJECT**

**Name** Abigail McGuirk **Title** Project Director

**Firm/Agency** Hartgen Archeological Associates, Inc.

**Address** 524 Broadway, 2<sup>nd</sup> Floor **City** Albany **STATE** NY **Zip** 12207

**Phone** ( 518 ) 427-0382 **Fax** ( 518 ) 427-0384 **E-Mail** amcguirk@hartgen.info



**PHASE II SITE EVALUATION**

**ALBANY LANDFILL EXPANSION ALTERNATIVE 4  
CITY OF ALBANY  
ALBANY COUNTY, NEW YORK**

**OPRHP: 06 PR 01161  
HAA 3830-41**

*PREPARED FOR:*

**CLOUGH HARBOUR & ASSOCIATES LLP  
3 WINNERS CIRCLE  
P.O. BOX 5269  
ALBANY, NEW YORK 12205-0269**

*Prepared by:*

**HARTGEN ARCHEOLOGICAL ASSOCIATES, INC.  
CERTIFIED WBE/DBE  
524 BROADWAY, 2<sup>ND</sup> FLOOR  
ALBANY, NEW YORK 12207  
PHONE (518) 427-0382  
FAX (518) 427-0384  
[www.hartgen.com](http://www.hartgen.com)  
email: [albany@hartgen.info](mailto:albany@hartgen.info)**

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[www.acra-crm.org](http://www.acra-crm.org)**

**FEBRUARY 2007**

**MANAGEMENT SUMMARY**

SHPO Project Review Number: **06PR01161**

Involved State and Federal Agencies: **US Army Corps of Engineers, NYS Dept. of Environmental Conservation**

Phase of Survey: **Phase II site evaluation**

**Location Information**

Location: **524 Rapp Road, Greater Albany Landfill**

Minor Civil Division: **City of Albany (MCD 00140)**

County: **Albany**

**Survey Area**

Length: **275 ft (84 m)**

Width: **150 ft (46 m)**

Number of Acres Surveyed: **1.3 acres (0.5 ha)**

Number of Square Feet and Meters Excavated: **723 ft<sup>2</sup> (67 m<sup>2</sup>)**

Percentage of the Site Excavated: **1.3%**

USGS 7.5-Minute Quadrangle Map: **1994 USGS Albany, New York**

**Archeological Survey Overview**

*Number and Interval of Shovel Tests:* **244 at five-meter (16 ft) and 4 at one-meter (3 ft) intervals**

*Number and Size of Units:* **1 1x0.5 m unit, 14 2x0.5 m units, 10 1x1 m units, and 6 1x2 m units**

*Width of Plowed Strips:* **No surface collection**

*Surface Survey Transect Interval:* **No surface collection**

**Results of Archeological Survey**

Precontact Sensitivity: **Moderate**

Historic Sensitivity: **High**

Number and name of precontact sites identified: **None**

Number and name of historic sites identified: **One- J. Vant Historic Site, Loci A and B (Previously identified as the Albany Landfill Historic Sites A and B)**

Number and name of sites recommended for Phase III/Avoidance: **J. Vant Historic Site, Loci A and B**

**Results of Architectural Survey**

**No architectural survey was conducted**

Number of buildings/structures/cemeteries within project area: **None**

Number of buildings/structures/cemeteries adjacent to project area: **None**

Number of previously determined NR listed or eligible buildings/structures/cemeteries/districts: **None**

Number of identified eligible buildings/structures/cemeteries/districts: **None**

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Date of Report: **February 2007**

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## Photographs

1. Northeastern view of the J. Vant Historic Site- Locus A. Units 25 through 31 with Feature 6 were located on level land at the top of the rise north of the hiking trail. Units 1, 6, and 8 with Feature 3 were positioned on the slope. The hiking trail bisecting the project area appears to be the remnants of a 19<sup>th</sup>-century offshoot of Kings Highway known as Centre House Road.
2. Southwestern view of an archeologist establishing grid lines within the J. Vant Historic Site-Locus B. The area of dead poplars is surrounded by old growth pines and oaks.
3. Eastern view of Feature 6 in the J. Vant Historic Site-Locus A. The lighter soil patches consisted of light gray ash and ash combined with charcoal flecks.
4. Western view of the profile of Units 7 and 11 in the J. Vant Historic Site- Locus B. Feature 7 correlates with the darker Stratum 4 of the profile. The feature extended approximately 15 meters (50-ft) north-south and 8 meters (25 ft) east-west. Feature 1 projected through Stratum 4, but Features 2 and 4 began at the transition between Strata 4 and 5 and extended into the subsoil.
5. Harness chain recovered from the cellar hole (Fea. 6) of Locus A.
6. Metal artifacts recovered from the midden (Fea. 3) of Locus A included can fragments (1), coiled wire (2), an upholstery tack (3) and iron banding (4).
7. A curled piece of iron sheeting, possibly a portion of stovepipe, was located in the southern corner of the midden (Fea. 3).
8. Ceramics were more prevalent in the midden (Fea. 3) than in the cellar hole (Fea. 6). Most were unadorned whiteware tableware and chamber pots popular after the Civil War.
9. Decorated ceramics from the midden (Fea. 3) included hand painted whiteware ceramics (1), scalloped and impressed blue-rimmed whiteware (2), black glazed whiteware (3), salt-glazed stoneware with Albany slip (4), sponge blue whiteware (5), flow blue (6), glazed redware (7), and blue transferware. Much of the stoneware seems to have been beverage bottles including root beer (4).
10. Various ceramics were also encountered in the cellar hole including impressed blue-rimmed whiteware (1), hand-painted whiteware (2), utilitarian tableware (3), blue transferware (4), black-transferware (5), and various salt-glazed Albany-slipped stoneware (6).
11. A detail of the black transferware recovered from the cellar hole (Fea. 6).
12. A detail of the blue transferware recovered from the cellar hole (Fea. 6).

13. Other ceramics were located in scattered deposits beyond the features in Locus A. Styles included coarse texture ceramics (1), undecorated whiteware (2), various glazed stonewares (3), hand-painted yellowware (4), flow blue whiteware (5), sponge blue whiteware (6), black transferware (7), hand-painted whiteware (8), blue transferware (9), and red transferware (10).
14. A detail of the landscape pattern of the black transferware recovered from Locus A.
15. A detail of the floral patterns of the blue transferware recovered from Locus A.
16. A detail of the rim design of the blue transferware recovered from Locus A.
17. A detail of the green/pink pattern of the hand-painted whiteware recovered from Locus A.
18. Various pipe fragments were recovered from the midden deposit (Fea. 3) in Locus A. Four stem fragments along the top display the classic Peter Dorni labels. Several bowl fragments in the center show a roulette pattern along the rim. The largest bowl fragment has a T.D. surrounded by stars. The heel shard to the right contains a floral design along the seam. The patterns date to post-1850 and incorporate Irish political influences.
19. A close-up of the ornate pipe fragments recovered from the midden deposit (Fea. 3). The four stem fragments display the classic Peter Dorni labels. The bowl fragment in the center has a T.D. surrounded by stars. The heel shard to the right contains a floral design along the seam.
20. Other pipe styles were recovered from the cellar hole deposit (Fea. 6). The striped scalloped pattern is visible on the pipe in the top left corner while a bottom bowl fragment displays a floral design with dots.
21. Various artifacts recovered from Locus A outside of the features. A hinge fragment (1) was collected along with manganese bottle glass (2), a mouth harp (3), several pipe stem and bowl fragments (4), a crown-style bottle cap (5), and a four-holed porcelain button (6).
22. More bottle glass was encountered in the cellar hole (Fea. 6) than the midden. Examples include clear bottle glass (1), aqua bottle glass with lipping tool finishes (2), and brown/amber bottle glass (3).
23. Glass in the midden (Fea. 3) consisted of clear tumbler glass (1), window glass (2), olive green bottle glass (3), brown/amber bottle glass (4), thin, pressed bottle glass (5), and lamp chimney fragments (6).
24. Domestic artifacts recovered the cellar hole (Fea. 6) included four four-holed porcelain buttons (1), an unidentified glass ornament (2), the 'round-eye' segment of a hook and round eye clasp (3), and an 1872 US one-cent coin (4).
25. Domestic artifacts collected from the midden (Fea. 3) included cloth fragments (1); a buckle (2), the hook section to a 'hook and round-eye' clasp (3); 7 buttons including glass, bone, cloth, and iron (4); and a bone handle fragment.
26. A utensil, possibly a knife or fork, was retrieved from the cellar hole (Fea. 6).
27. A detail of the obverse of the 1872 US one-cent coin with Indian-head motif.
28. A detail of the converse of the 1872 US one-cent coin with laurel leaves and a brace of arrows.
29. Many pantiles and fragments were recovered from Locus B. The two above display edge curvature.
30. Various spikes recovered from the gray soil deposits in Locus B (Fea. 2 and 4). Spikes 1 and 2 are thin and still retain their crowns. The spikes of set 3 are railroad spikes, many of which are missing the heads.
31. Eight iron rod fragments were retrieved from the gray soil deposits (Fea. 2 and 4) of Locus B.
32. Ceramics recovered from Locus B included buff-colored stoneware (1), yellowware (2), hand-painted transferware (3), various stonewares along with lemon and root beer bottle fragments (4), blue-glazed redware (5), hand painted porcelain (6), ironstone (7), blue transferware (8), and flow blue whiteware (9).
33. A close-up of the ironstone maker's mark.
34. Various glass was recovered from Locus B including aqua bottle glass with lipping tool finishes, clear bottle glass with screw rims, and olive glass.
35. An iron table knife was unearthed from Locus B. No handle was identified.
36. This tongued buckle was collected from Locus B.
37. The Normanskill precontact projectile point was encountered during shovel testing. No other precontact material was located within Locus B and the point is classified as a stray find.

## **2 Phase II Site Evaluation, Albany Landfill Expansion Alternative 4**

2004 and 2006). Although according to the Phase IA literature review Centre House Road extended across the project area, no map-documented historic structures were identified within the project boundaries. Based on this information, the archeological potential for historic sites was deemed moderate.

The Phase IB archeological field reconnaissance consisted of excavating 158 shovel tests at 15-meter (50 ft) intervals in all dry, level, and undisturbed areas. The general boundaries of the two mid-to-late 19<sup>th</sup> century historic loci were determined based on artifact concentrations and landscape features. As the site is potentially National Register eligible, a Phase II site evaluation was recommended. The Phase II focus area consists of the 55,000 square feet (5,110 m<sup>2</sup>) within the historic loci boundaries outlined in the Phase IB (Map 3).

### **Updated Map Review**

In light of the results of the Phase IB survey, a second review of historical maps examined six maps ranging from 1854 to 1950. The earliest map, Gould and Moore's 1854 *Map of Albany County, New York* (Map 4), shows no development in the region of the project area. Centre House Road is not depicted. Though the railroad is shown to the northeast, it is not labeled. Lydius Road to the south of the project area is one of the few labeled landmarks.

The next map, Beers' 1866 *Map of Albany County* (Map 5), depicts Centre House Road extending through the project area from Centre Station along the New York Central Railroad. Lydius Road is not shown and no structures are identified on the map.

An additional Beers' map from 1866, *Map of the West End of City* included with *Map of the City of Albany* (Map 6), is the only historic map reviewed that shows development along Centre House Road. A structure associated with J. Vance is depicted within the bounds of the project area. (Deed research subsequently demonstrated that Vance is a corruption of the name Vant and it was John Vant and his wife Mary who held the property from 1853 to 1885.) Lydius Road, though unlabeled, is shown to the south.

The fourth map, USGS 1893 *Albany, New York* 15-minute Topographic Quadrangle (Map 7), shows Centre House Road still in use and extending through the hamlet of Karner. The railroad to the north is the New York Central, but the J. Vant structure is no longer depicted. The final two maps, USGS 1927 and 1950 *Albany, New York* 15-minute topographic quadrangles (Maps 8 and 9) both depict Centre House Road as a dirt trail extending to Centre Station in Karner. No structures are depicted in the project area.

### **Historic Research**

#### *Deed Research*

Deed research was conducted at the Albany County Hall of Records and the Albany County Clerks Office. Deed transfers for the J. Vant property as well as the surrounding areas were examined along with references to mortgages. Deed transfers are summarized in Table 1.

The J. Vant property contained approximately 40 acres (16 ha) excepting a mill water right-of-way for the neighboring Middleton Farm and was located within Lot 7 on a 'Map of 14 Lots adjacent to the sources of the western branches of the Patroon Creek' created by Garret J. Whitbeck for Stephen Van Rensselaer in 1846 (Whitbeck 1846). Though referenced in several deeds, the map itself was not found at the Albany County Hall of Records.

The property boundary of Vant's lot was described as beginning at Centre House Road at the southwestern corner of the Middleton Farm. It then extended southeast along the road to the southeast corner of Lot 7 before

turning to the northeast and following the boundary line between Lots 7 and 8 to the Albany Schenectady Railroad. The border then turned to the northwest and followed the tracks to the northwest corner of Lot 7. It then turned southwest and followed the boundary line between Lots 6 and 7 to Centre House Road and traveled back along the road to the point of beginning.

The J. Vant property and surrounding land was originally owned by Stephen Van Rensselaer and his wife Harriet as part of the 1630 patroonship of Rensselaerswijck. After it was delineated on the 1846 Whitbeck map, Van Rensselaer sold roughly 255 acres (103 ha) to Richard Middleton and his wife Catherine (ACHR 1850). Of that land, approximately 133 acres (54 ha) were located within Lots 5, 6, and 7. In 1852, Richard Middleton sold the land to William Cassidy and William Turner for slightly over \$2,000 (ACHR 1852a). Cassidy bought out Turner by the end of that year, and held title to the entire 133 acres (54 ha) of Lots 5, 6, and 7 (ACHR 1852b).

In 1853, William Cassidy and his wife Jane Ann sold roughly 40 acres (16 ha) of Lot 7 to John Vant and his wife Mary (ACHR 1853). They held the land until 1885 except for a brief six month period in 1867 when a deed lists William Ertzberger as owner (ACHR1867). John and Mary Vant sold the property to Mary A. Sabey for \$1,500 in 1885 (ACHR 1885). Oddly, though Vant owned the Centre House Road property from 1853 to 1885, the tax assessment roles for 1866 through 1868 for the City of Albany, Town of Watervliet, Northern Albany, and Arbor Hill do not list either Vant or Ertzberger.

A review of deed transfer was also completed for the surrounding Lots 5, 6, and the remainder of Lot 7 as the exceptions section included mention of the Vant property. The deed history for Lots 5, 6, and 7 from 1850 to 1977 is included as Table 2.

#### *Census and Directory Research*

Census and directory research was conducted at the Albany County Hall of Records and the Troy Public Library. City and rural directories, as well as state and federal censuses for 1860 through 1890, were examined and compared with the information retrieved during the deed research. According to the Federal Census of 1860, John Vant and his family lived in the eighth ward of Albany (Census 1860). Vant's profession is listed as Cigar Maker. As they had purchased the Centre House Road property in 1853, it is likely Vant was renting out the land not actually occupying it. The Albany City Directory of 1864 lists Vant at 164 Lumber Street (Livingston Ave.) in the 8<sup>th</sup> Ward. He was a cigar manufacturer with a shop on the corner of Lumber and Swan Street in Arbor Hill (City 1864). The company, Vant & Ertzberger, was a partnership with William Ertzberger and listed as selling both cigars and candy. In 1865, the cigar and candy shop was located in downtown Albany at 389 Broadway south of State Street (City 1865).

In 1866, the Broadway cigar shop is advertised as Ertzberger & Steuart. Though Vant and his family remain at 164 Lumber Street, he is no longer identified as a cigar maker (City 1866). By 1867, when according to the deed search Ertzberger has brief ownership of the Centre House Road property, Vant is not listed in the directory (City 1867). The Ertzberger & Steuart shop, however, remains until 1869, after which only Ertzberger is listed (City 1869 and 1885).

The 1870 Federal Census places the Vant family in the Town of Orange, Essex County, New Jersey. His profession is listed as 'clerk in store' (Census 1870). By 1880, the Vant family was located in Ithaca, New York, and Vant was once again identified as a cigar manufacturer (Census 1880). They remained in Ithaca through 1900 (Census 1900).

## **PHASE II FIELDWORK METHODOLOGY**

The Phase II site evaluation focuses on the J. Vant Historic Site- Loci A and B. Locus A consists of a previously undocumented domestic structure, associated midden, and scattered deposits. It is along the east side of the hiking trail (Centre House Road) approximately 150 feet (50 m) north of the Albany Landfill (Photograph 1). Visually, Locus A was indicated by an area of straggly poplars surrounded by old growth pines and oaks. No structural remains are visible on the surface. Phase IB shovel tests 85, 86, 91, 92, 98, and 151 through 155 were excavated at 25-foot (8 m) intervals within the locus (Map 3) (HAA, Inc. 2006). Gray and buff-bodied stoneware with Albany slip and machine cut nails were the most common artifacts along with blue decorated whiteware and varying types of glass. A four-hole metal button was recovered from Test 98 along with a fragment of a tobacco pipe bowl. Tests 99, 101, and 105 through 107 were located west of the historic road within the old growth tree cover and had a lower artifact density of similar artifacts. Green, aqua, and amber glass fragments were recovered along with nail fragments, whiteware, and redware. An unidentified lead-handled iron tool was recovered from Test 105. Based on the decorations on the whiteware, stoneware, yellowware, and the machine cut nails, the locus appeared to date from the mid-to-late-1800s.

The J. Vant Historic Site- Locus B is also a historic structure site located 50 feet (15 m) west of Centre House Road and 250 feet (75 m) north of the Albany Landfill. As with Locus A, it was visually indicated by an area of straggly poplars surrounded by old growth pines and oaks (Photograph 2). No structural remains were identified on the surface. Shovel Tests 117, 118, 123, 124, and 156 through 158 were excavated at 25-foot (8 m) intervals within the locus during the Phase IB. Shovel Test 117 exposed Feature 1, a burned pit containing charcoal and numerous artifacts including a glass button, stoneware, and several machine-cut nails and nail fragments. Other tests in the area recovered more cut nails, burned bone, and window glass. Based on the machine-cut nails and the glass button, Locus B also appeared to date to the mid-to-late-1800s.

### **Site Grid and Limits**

A 5-meter (16 ft) grid was established throughout the Phase II focus area. Shovel tests and units were excavated within the grid. Shovel tests were excavated at 5-meter (16 ft) intervals to identify site boundaries (Map 10). One-by-half meter, one-by-one, and one-by-two meter units (3-by-1.5, 3-by-3, and 3-by-6 ft) were excavated in areas deemed highly sensitive during shovel testing.

The site limits for the J. Vant Historic Site- Locus A were set by topography and negative shovel tests. The site is located on the crest of a rise immediately adjacent to the hiking path. The southern and western contour limits follow the hiking trail as it curves northward. The northern limit parallels the land contour before the slope rises northward. The eastern limit is defined by negative shovel tests (Tests 239, 262, 287, 312, 336, 359, 381, 393, 404, 413, 422, 431, and 440). Site A has dimensions of 115 feet by 130 feet (35 by 40 m) and encompasses 15,000 square feet (1,400 m<sup>2</sup>).

The J. Vant Historic Site- Locus B was located to the west of Locus A on the opposite side of the hiking trail. The western and northern limits were defined by the project boundaries. The eastern and southern limits were set by negative shovel tests (Tests 201, 223, 246, 271, 297, 313, 323, 337, 346, and 360 through 368). All together, Locus B has dimensions of approximately 82 by 131 feet (25 by 40 m) and encompasses 10,742 square feet (1,000 m<sup>2</sup>).

### **Shovel Tests and Units**

Shovel tests were 40 centimeters (16 in) in diameter and units were hand excavations ranging in size from 0.5x1 meter (1.5-by-3 ft) to 1x2 meter (3-by-6 ft). All excavations extended at least 10 cm (4 in) into undisturbed subsoil. Strata in each shovel test and unit were excavated separately and passed through 0.25-inch (0.64 cm)

hardware cloth to facilitate the recovery of artifacts. Opening and closing depths, Munsell colors, and textures of all strata were recorded (Appendix I: Shovel Test Records) (Munsell 2000). At least one wall of each unit was profiled and photographed (Figures 1 through 25).

### Artifacts and Laboratory

All precontact material and significant historic artifacts including ceramic, glass, personal items, faunal bone, and nails were collected. Brick fragments were noted in the field and samples were retained. Artifacts were placed in bags and labeled by provenience. Bags were numbered in the field and transported to the HAA, Inc. laboratory in the Town of North Greenbush, Rensselaer County, New York.

At the laboratory, artifacts were cleaned and cataloged. Cataloging entailed entering artifact provenience information, counts, weights, and descriptive information into a Microsoft *Access* database (Appendix III). Shovel test records were also entered into the database (Appendix 1).

## PHASE II FIELDWORK RESULTS

During the Phase II fieldwork, 244 shovel tests (Tests 201 through 444) were excavated at 5 meter (16 ft) intervals and four confirmation tests (Tests 445 through 448) were excavated at one meter (3 ft) intervals. Additionally, two 1x0.5 meter (3-by-1.5 ft), 13 2x0.5 meter (6-by-1.5 ft), ten 1x1 meter (3-by-3 ft), and six 1x2 (3-by-6 ft) meter units were distributed among the two sites (Map 11). The Phase IB shovel tests are shown on Map 3 while the Phase II tests are displayed on Map 10.

### Stratigraphy

Soils within the Phase II focus area generally consisted of Colonie loamy fine sand and Stafford loamy fine sand. The topsoil, Stratum 1 in both Loci A and B, was either very dark brown silty sand or black sandy humus, respectively. The average thickness of the topsoil was five inches (13 cm). Stratum 2, generally located immediately below the topsoil, was identified as dark yellowish brown silty sand or sand. It averaged 31 inches (79 cm) thick in both loci. Stratum 3 consisted of the cellar hole deposit (Fea. 6) encountered in Units 26, 27, 29, and 30 of Locus A. Consisting of mottled yellowish brown sand and light gray ash, it lay immediately above Feature 6 and ranged between two and eight inches (5 and 20 cm) thick. The lower levels of the deposit contained black charred organics, dark yellowish brown loamy sand, and yellowish red sand approximately 12 inches (30 cm) thick. Stratum 4 was only visible in Locus B and correlated to the living surface uncovered during excavation (Fea. 7). Stratum 4 consisted of dark brown silty sand and was varied between one and four inches (2 and 10 cm) thick. All units, except Unit 29 in Locus A, terminated in Stratum 5, yellowish brown sand. Unit 29 was left unexcavated to allow for a soil cross section. Soil strata are defined by unit and level in Table 3.

## J. VANT HISTORIC SITE- LOCUS A

### Shovel Tests

One-hundred-eighty-one shovel tests (Tests 202 through 217, 224 through 239, 247 through 262, 272 through 287, 298 through 312, 324 through 336, 347 through 359, and 369 through 444) were excavated in the vicinity of the Albany Landfill Historic Site A (Map 10). Shovel tests were an average of 54 centimeters (21 in) deep and contained two to four soil levels. Sixty-seven tests (Tests 206, 210, 217, 226, 227, 230, 233 through 236, 247, 249, 253 through 259, 261, 262, 274, 275, 277, 279 through 282, 300, 304 through 310, 324, 327, 330 through 333, 335, 347, 352, 354, 358, 373 through 376, 378, 380, 383, 385, 386, 389, 396, 401 through 403, 417, 424, 435,

and 436) contained cultural material. Domestic artifacts included various ceramics such as whiteware, stoneware, porcelain, and yellowware; bottle, vessel, drinking, and lamp chimney glass; butchered bone; glass, metal, and cloth buttons; and ceramic pipe fragments. Artifacts of building materials included cut nails and nail fragments, window glass, brick fragments, and pantiles. No test contained precontact material. Most of the positive tests were clustered toward the northern edge of Locus A with only 14 on the southern side of the road. Artifacts from the J. Vant Historic Site- Locus A Shovel Tests are tallied in Table 4.

Artifact density distribution for Locus A is displayed in Maps 12, 13, and 14. The total artifact density map (Map 12) displays both domestic and building material distribution. The highest concentration of artifacts is located between Tests 282 and 308 with a density of between 360 and 478 artifacts per square meter. Within 15 meters (50 feet) of these tests, the density remains high, and then decreases abruptly. The structure within Locus A was thus located adjacent to northwest edges of Tests 282 and 308 and was surrounded by a roughly square 15-meter (50 ft) area of activity.

The building material density map displays similar results (Map 13). Tests 282 and 308 contain the highest concentration of artifacts, 212 to 282 artifacts per square meter. Tests 255, 256, and 280 display the next highest concentration of 104 to 131 artifacts per square meter. The 10 meters (33 feet) surrounding these tests retain a high artifact density, which then abruptly decreases toward the edges of the site. The structure of Locus A appears to have collapsed in place and was not disturbed substantially after the site was abandoned.

Map 14 displays the domestic artifact density within Locus A. While Tests 282 and 308 retain the highest concentration with 148 to 196 artifacts per square meter, the high density of artifacts is distributed more broadly around these tests unlike the concentrations displayed in the other maps. The higher density of artifacts also continues further to the southwest than in the other maps. This may be attributed to the landscape as the ground begins to decline south of Test 308. The distribution of domestic artifacts may be attributed to the associated midden along the slope.

### **Units**

Units were located in areas of high-density artifact concentration or adjacent to shovel tests with abnormal soil profiles. Units 1, 6, and 8 were positioned on the edge of the slope between tests that produced a large amount of building materials (Map 11). Units 2, 23, and 24 explored areas surrounding tests with abnormal soil layers. Units 25 through 31 were located over the house site immediately north of Units 1, 6, and 8. Three features were identified, including the cellar hole (Fea. 6), a midden (Fea. 3), and a burn pit (Fea. 5). Features are listed in Table 5.

Units 1, 6, and 8 were located between Tests 282 and 308. Stratum 1, the topsoil, consisted of dark brown silty sand and contained a large number of domestic artifacts including whiteware; stoneware; pipe fragments; bottle, vessel, lamp chimney, and drinking glass; and buttons. Building materials such as brick fragments, bent and straight cut nails, nail fragments, screws, and window glass were also recovered. A thin deposit of mortar, ash, and brick fragments extended across the transition between Strata 1 and 5 along the west wall of the Unit 1 and the eastern walls of Units 6 and 8. Lodged within it was a fragment of metal stovepipe. Combined with the high-artifact concentration, the deposit was identified as a midden (Fea. 3) that appeared to follow the contours of the landscape as it sloped toward the roadway. Units 1, 6, and 8 terminated in Stratum 5, yellowish brown undisturbed sand. The plan view of the midden (Fea. 3) is shown in Figure 1 and the profiles for Units 1, 6, and 8 are displayed in Figures 2 through 4. A gross tally of artifacts from the midden is presented in Table 6.

Unit 2, a one-by-one meter excavation, was positioned adjacent to the northeast side of Test 330 and was excavated to determine whether the area contained a concentrated historic deposit or scatter. No cultural material was noted in the dark brown silty sand topsoil of Stratum 1, but Stratum 2, dark yellowish brown sand, contained a low density of nails, ceramics, and bottle glass. Charcoal was noted in the southern half of the unit, but it appeared

to be a natural root burn. No artifacts were collected from the yellowish brown sand of Stratum 5 and the unit terminated at 60 cm (24 in). The north wall profile and photograph are displayed in Figure 5.

Units 23 and 24 were located on either side of the hiking trail and were excavated to examine abnormal soil profiles that appeared in Tests 399 and 354, respectively. Unit 23 was positioned southeast of Test 399 and consisted of only Strata 1 and 5. A burn pit (Fea. 5) was identified in the northwest corner of the unit beginning at 60 cm (24 in) and extending 25 cm (10 in) into Stratum 5. The burn feature consisted of various layers and pockets of dark grayish brown and light gray sand along with ash, charred wood, and charred oyster shells. As these varying levels were also displayed in the soil profile of Test 399, the burn pit appeared to be roughly circular with a diameter of 75 cm (30 in). No other cultural material was recovered and Unit 23 terminated in Stratum 5. The west wall profile of Unit 23 and Feature 5 is displayed in Figure 6.

Unit 24 was located one meter (3 ft) east of Test 354. Test 354 displayed a dark mottled layer beneath the surface root mat that contained a pipe bowl fragment, a cut nail, and a glass shard. Unit 24 was excavated to determine the extent and significance of the deposit. Although Stratum 1 contained a cut nail, glass shards, and brick fragments, no dark mottled layer was encountered. The unit terminated in Stratum 5. The west wall profile of Unit 24 is shown in Figure 7.

Units 25 through 31 were located one meter (3 ft) northwest of Units 1, 6, and 8 along level ground at the top of the rise. The area between Tests 256, 257, 281 and 282 had an extremely high density of artifacts, both domestic and building material. The land here was slightly depressed and the six units were aligned to bisect the depression. The east profile and photograph of Units 25, 26, 27, and 28 is displayed in Figure 8. The north profile for Unit 29 is included as Figure 9 along with the north profile and photograph for Units 30 and 31. The plan view of the cellar hole (Fea. 6) is displayed in Figure 1.

Feature 6, a cellar hole deposit, extended approximately three meters (10 ft) north-south and three and a half meters (12 ft) east-west (Figure 1). The mottled soils consisted of dark yellowish brown sand and loam, black charred organics, light gray ash and silt, and yellowish brown sand (Photograph 3). The deposit began approximately 25 cm (10 in) below surface and terminated by 70 cm (28 in). The cellar hole had a high concentration of domestic artifacts and building materials. Domestic artifacts included redware, whiteware, bottle glass, bone, pipe fragments, buttons, and leather fragments. Several dimensional bricks were recovered, although they did not appear articulated. Besides bricks other building materials included brick fragments, nails, window glass, and a roofing slate. Artifacts from the cellar hole are tallied in Table 6.

### **Artifacts**

Artifact photographs have been organized according to locus, material, and feature. All ceramics are displayed first, followed by tobacco pipes. Miscellaneous domestics are shown next, followed by glass, and finally metal and building materials.

Approximately 6,000 artifacts consisting of both building materials and domestic artifacts were retrieved from the shovel test and unit excavations within Locus A (Tables 4 and 6). Artifact concentrations were densest in the topsoil (Stratum 1) and immediately underlying soils (Stratum 2). The building materials total encompassed artifacts such as brick fragments; cut nails; window glass; wire; pantiles; and other hardware miscellanies including bolts, washers, and screws. The total of building materials was double that for domestic/household artifacts. Cut nails and nail fragments counted for sixty-eight percent of the total building materials with window glass the next highest component at twelve percent. Other artifacts included harness chain, iron strapping, and an iron spike (Photograph 5 through 7). There was so much building material that it was clear that the building had collapsed in place. There is no evidence that the house burned.

Although many cut nails were encountered throughout Locus A, the bulk was collected from the cellar hole (Fea. 6) and immediate surrounding units. A few dimensional bricks were also retrieved, although they were not articulated. Two pantile fragments were also recovered. The rest of the artifacts from the cellar hole were largely household and personal items.

Within the midden (Fea. 3), more cut nails were recovered along with window glass, screws, bolts, nuts, washers, and rivets. A bent piece of iron sheeting, possibly a remnant of stovepipe or flashing was collected along with more metal strapping, coiled iron wire, and can fragments (Photographs 6 and 7). Unlike the cellar hole, no large brick fragments were noted. The bulk of the artifacts from the midden consisted of domestic/household items.

Domestic artifacts within Locus A consisted of ceramics such as pearlware, porcelain, redware, stoneware, whiteware, yellowware, and pipe fragments; bottle, vessel, and lamp chimney glass; butchered bone, burned bone, and teeth; shell remnants; buttons; and other miscellanies including can fragments, buckles and clasps, a mouth harp, and an 1872 US one-cent coin. Ceramics, minus pipe fragments, comprised forty-eight percent of the domestic artifact total and represented a wide variety of styles (Photographs 8 through 17). More ceramics were noted within the midden deposit (Fea. 3) than in the cellar hole (Fea. 6) and most of the recovered ceramics were unadorned whiteware fragments including kitchenware and chamber pot fragments (Photograph 8). Patterned ceramics included blue, black, and red transfer-printed whitewares along with flow-blue and sponged-blue pieces (Photographs 11 through 15). Hand-painted polychrome whiteware, floral transfer-print polychrome whiteware, and hand-colored transfer print whiteware were also noted (Photographs 16 and 17). Stoneware ceramics included both white- and gray-bodied examples. Most fragments appeared to consist of salt-glazed bottle shards with one sample from a root beer bottle (Photograph 9). Albany slip was also identified routinely. The average manufacture date from ceramics collected from Locus A is 1850. This date may be slightly skewed as roughly 80 percent of the ceramics recovered were unadorned whiteware fragments. Locus A ceramics types and manufacture dates are displayed in Table 7.

Bone, teeth and shell encompassed thirty-five percent of the domestic artifact total. Bone and teeth concentrations appeared evenly distributed between the cellar hole (Fea. 6) and the midden deposit (Fea. 3). Bird and fish bones were recovered along with large butchered bones from pigs, cows, and deer. Shell was more commonly represented in the midden deposit than the cellar hole, though both contained clam and oyster.

Pipe fragments were encountered in both the midden (Fea. 3) and the cellar hole (Fea. 6) and comprised approximately three percent of the domestic artifact total. One scalloped-patterned bowl was recovered along with four stems identified as ornate Peter Dorni. One 'T.D. with stars' bowl fragment was recovered as well as a heel shard with floral print and a bowl fragment with fronds and dots. Several small rim fragments displayed a classic 'roulette' pattern. The pipe decorations, popular after 1850, appear to have Irish political origins (Alexander 74) (Photographs 18 through 21).

Bottle, vessel, and lamp chimney glass comprised eleven percent of the household artifact total. Glass was more frequently encountered in the cellar hole (Fea. 6) than in the midden deposit (Fea. 3) including many burned samples. Bottle and vessel glass from the cellar hole included olive green, aqua, and clear glass (Photograph 22). Many of the bottles were mold blown with ca. 1825 lipping tool finishes (Miller et al. 2000). One bottle fragment displayed a ca. 1879 blob top (Miller et al. 2000). Manganese decolorized glass (ca. 1880) was also encountered (Miller et al. 2000). Glass within the midden (Fea. 3) consisted of aqua, olive green, clear, and amber shards (Photograph 23). Two fragments of clear tumbler glasses were also collected.

Personal artifacts from Locus A included bone, cloth-covered, copper, porcelain, and glass buttons; a porcelain doll arm, various clothing clasps, an iron utensil, and an 1872 one-cent coin (Photographs 21, 24, and 25). All buttons from the cellar hole (Fea. 6) were four-hole porcelain (Photograph 24). Those from the midden (Fea. 3) consisted of four-hole glass buttons, a cloth button sans looped back, a four-hole bone button, and a four-hole copper

button with molded decoration (Photograph 25). Only one clothing fastener was identified in the cellar hole (Fea. 6), the round-eye loop of a 'hook and round-eye.' Also identified was a deteriorated table utensil, probably a fork (Photograph 26), and the 1872 US one-cent Indian-head coin (Photographs 27 and 28). Within the midden deposit (Fea. 3), the hook segment of the 'hook and round-eye' fastener was recovered along with a garter clasp and a buckle.

### Discussion

Locus A is comprised of a small domestic structure associated with John Vant, a related midden, and scatter deposits dating from the mid-to-late-1800s. Located deep in the Pine Bush, Locus A is adjacent to a dirt road correlating to an early 19<sup>th</sup>-century offshoot of the Kings Highway known as Centre House Road. Historically, the road extended northwards to the Albany-Schenectady Turnpike (Route 5) and the Centre House Hotel and Tavern in the Village of Centre (Center Station of the New York Central Railroad). Presently, the road remnant is being used as a Pine Bush Preserve hiking trail.

Based on the 5-meter interval shovel tests, Locus A extends 115 feet by 130 feet (35 by 40 m) and encompasses 1,500 square feet (1,400 m<sup>2</sup>) with the longest axis oriented east-west. A cellar hole deposit (Fea. 6) was identified on a small plateau north of the roadway in the center of the site. Located between Strata 3 and 7, it measured 3-by-4 meters (10-by-12 feet) and extended 70 centimeters (28 in) below surface level (Figures 1, 8 and 9). No foundation remains were encountered suggesting that the building was supported on footings, probably of fieldstone. As the cellar hole was considerably smaller than expected based on the artifact density maps, it is probable that it did not extend the entire length of the house, and was considered merely a root cellar or cool storage area.

The midden deposit (Fea. 3) within Stratum 1 was roughly 2 meters (7 feet) south of the cellar hole on the slope between the plateau and the road. It measured one-by-2.5 meters (3-by-8 ft) and extended over a meter deep (3 ft) (Figures 1 through 4). Eighteen meters (60 feet) south of the house, on the opposite side of the road and beyond the slope, a burned pit containing shells and charred wood (Feature 5) was identified. Beginning in Stratum 1 and recessing into Stratum 7, it measured 75 centimeters in diameter (30 in) and was 25 centimeters thick (10 in) (Figure 6). The rest of Locus A contained a large artifact scatter.

The J. Vant Historic Site- Locus A is clearly National Register eligible in that it has already yielded information on living conditions, commerce, and travel within the Albany Pine Bush in the mid-to-late-1800s. Additionally, most of the seven criteria of integrity listed in the *National Register Bulletin Guidelines for Evaluating and Registering Archeological Properties* apply to Locus A including location, design, and setting, and feeling (SHPO 2005). Although Locus A is not associated with a specific event, its location within the Pine Bush, in an area sparsely inhabited, conveys historical significance. As the site is located in the middle of the 10 acre (4 ha) section of Alternative 4, it will be directly impacted by the expansion of the landfill.

## J. VANT HISTORIC SITE-LOCUS B

### Shovel Tests

Sixty-six shovel tests (Tests 201, 218 through 223, 240 through 246, 263 through 271, 288 through 297, 313 through 323, 337 through 346, 360 through 368, and 445 through 448) were excavated in the vicinity of the J. Vant Historic Site- Locus B (Map 10). Shovel tests were an average of 54 centimeters (21 in) deep and contained two to four soil levels. Eighteen tests (Tests 221, 227, 240, 243, 265, 288 through 291, 293 through 295, 315, 316, 345, 445, 447, and 448) contained cultural material. Similar to Locus A, domestic artifacts included various ceramics such as whiteware, stoneware, redware, and yellowware, as well as bottle glass and butchered bone.

Building materials included cut nails, window glass, brick fragments, and pantiles. Most of the tests producing historic material were clustered toward the western edge and middle of the site. Artifacts from the J. Vant Historic Site- Locus B Shovel Tests are tallied in Table 8. Remarkably, Test 240 produced a Normanskill projectile point, one of three scattered precontact artifacts found during the Phase II study.

Artifact density distribution for shovel testing at Locus B is displayed in Maps 15, 16, and 17. Map 15 displays the results of both domestic and building material distribution. The highest concentration of artifacts is located between Tests 291 and 265 with a density of between 52 and 70 artifacts per square meter. The high density zone extends beyond the project borders to the north. An interior structure surface (Stratum 4/Feature 7) was encountered adjacent to Tests 265 and 291 that extended roughly 8 by 15 meters in size (25 by 50 ft). The artifact concentrations decrease with distance from Tests 291 and 265 and Feature 7. The mid-range concentration extends 10 meters (33 ft) northwest, 5 meters (16 ft) southwest, and 20 meters (66 ft) southeast and signifies an outdoor work area surrounding the structure.

The building material density map displays similar results (Map 16). Tests 265 and 291 contain the highest concentration of artifacts, 52 to 70 artifacts per square meter, with the high density area extending beyond the northern project limits. The 10 meters (33 feet) surrounding these tests retain a high artifact density, which then abruptly decreases toward the margins of the site. The structure of Locus B appears to have collapsed in place.

Map 17 displays the domestic artifact density within Site B. Tests 289 and 315 exhibit the highest concentration with 25 to 30 artifacts per square meter. As these are located 10 meters (33 ft) northwest of Tests 265 and 291 and are beyond the structure limits, they appear to identify a small midden deposit associated with the structure. Most likely the large structure is a barn or stable, so it is conceivable that this deposit signifies a pigpen. The mid-range density of scattered artifacts to the southeast indicates the outdoor work area surrounding the interior structure surface.

### **Units**

All units from Locus B were clustered along the western edge of the site in the vicinity of the interior structure surface (Fea. 7) (Map 11). Units 3, 5, 7, 9 through 11, 15, and 19 were positioned between Tests 218 and 219, 240 and 242, and 265 and 267. Units 12, 13, 17, and 21 extended southward from Unit 11 and ended at Test 292. Units 16 and 18 extended eastward from Unit 14 to just beyond Test 242. Unit 20 was south of Test 218 and Unit 22 was located between Tests 240 and 265. Feature and unit artifacts from the Albany Landfill Historic Site B are tallied in Table 9. All features are listed in Table 6.

Unit 5 was located adjacent to the Phase IB Test 117 where a burn pit was uncovered during the Phase IB (Fea. 1). The burn pit encompassed most of Unit 5 and part of Unit 11. Historically, the burn pit was excavated into Strata 2, 4, and 5. Within the feature, the upper soils consisted of mottled black organics and strong brown silty sand. The lower soil contained charcoal, light gray ash pockets, and mottled yellowish brown and dark brown sand. Artifacts retrieved from the burn pit included whiteware and nail fragments. In general, Feature 1 appears to correlate to a later date than the remainder of the features in Locus B. The plan view and photograph of Feature 1 is included as Figure 10. The profile is displayed as Figure 11.

Feature 2, an L-shaped soil deposit of brown loamy sand, encompassed sections of Units 7, 9, and 11. Spanning roughly 90 cm (35 in) north-south and 120 cm (47 in) east-west, the bulk of the feature was divided between Units 7 and 9 with the tip of the ell carrying into Unit 11. The soil deposit was uncovered at approximately 53 cm (21 in) below datum and extended roughly 14 cm (6 in) deep. The brown loamy sand contained cut nails and brick fragments. Artifacts from Feature 2 are tallied in Table 6. The plan view of Feature 2 is displayed in Figure 10.

Feature 4, an oblong, dark yellowish brown silty sand deposit, was identified recessed within Stratum 5 of Units 15 and 19. Approximately 20 cm (8 in) in width, Feature 4 extended roughly 40 cm (16 in) into Unit 15 and 85 cm (34 in) into Unit 19. The deposit contained numerous spikes and square-cut nails. No other artifacts were recovered. The plan view of Feature 4 is displayed as Figure 12.

The interior structure surface (Fea. 7) was the dark yellowish brown silty sand documented as Stratum 4 of units within Locus B. It encompassed roughly 15 meters (50 ft) north-south and 8 meters (25 ft) east-west. The darker layer was not identified elsewhere within the Site B shovel tests. The eastern, western, and southern limits of Feature 7 are accounted for in Units 18, 21, and 22 (Figure 13). The northern limit was not encountered, but the land itself dips along the project boundary north of Unit 20. It appeared unlikely that the soil levels encountered within Locus B would continue beyond the landform.

### **Artifacts**

Artifact photographs have been organized according to site, material, and feature. All ceramics are displayed first, followed by tobacco pipes, glass, and finally metal and building materials.

Approximately 700 artifacts consisting of both building materials and domestic items were retrieved from the shovel test and unit excavations within Locus B (Tables 8 and 9). Artifact concentrations were densest in soils immediately underlying the topsoil (Stratum 2). The building materials total encompassed artifacts such as brick fragments, cut nails and fragments, window glass, wire, pantiles, and hardware including bolts, nuts, screws, and spikes. The building materials and hardware total was nearly three times that of the domestic/household artifacts. Cut nails and nail fragments alone accounted for seventy-nine percent of the total building materials with miscellaneous hardware including bolts, spikes, and rods the next highest component at ten percent. Pantiles comprised seven percent of the building materials total (Photograph 29).

Likewise, most of the materials identified within the Locus B features consisted of building materials. The burn pit (Feature 1) contained several cut nail fragments and unidentified metal shards. In the two gray soil deposits (Features 2 and 4), cut nail fragments, iron rods, and spikes were most commonly encountered (Photographs 30 and 31).

Domestic artifacts in Locus B consisted of ceramics such as porcelain, redware, stoneware, whiteware, yellowware; pipe stem fragments; bottle glass; butchered bone, burned bone, and teeth; shell remnants; buttons; can fragments; and a knife blade. The knife was located immediately above a gray soil deposit (Feature 4) (Photograph 35) and was better preserved than the utensil uncovered in Locus A.

Ceramics comprised forty-one percent of the domestic artifact total and represented a wide variety of styles (Photographs 32 and 33). Most were encountered in Stratum 2 immediately above the living surface of Stratum 4. Patterned ceramics included blue transfer-printed whitewares along with flow-blue pieces. Hand-painted polychrome whiteware, floral print polychrome whiteware, and hand-colored transfer print whiteware were also noted. Stoneware ceramics included both white- and gray-bodied examples. Most fragments were salt-glazed stoneware bottle shards with samples from root beer and lemon beer bottles. Albany slip was identified on several pieces. Ceramics from Locus B are further detailed in Table 10. The average manufacture date of the ceramics in locus B was 1856.

Bottle and vessel glass also comprised forty percent of the domestic artifact total. Typically, bottle glass was more prevalent and included olive green, aqua, and clear glass. Many of the bottles were mold blown with ca. 1825 lipping tool finishes (Miller et al. 2000). One bottle displayed screw rings at the top (ca. 1858). Manganese decolorized glass, ca. 1880, was also encountered (Photograph 34).

Bone, teeth and shell encompassed only fifteen percent of the domestic artifact total and appeared evenly distributed across the site. Bird and fish bones were recovered along with butchered bones from pigs, cows, and deer.

Personal artifacts recovered at Locus B included a single buckle and a pipe stem fragment. The buckle was located within a gray soil deposit (Feature 2) (Photograph 36). The only one pipe stem recovered was identified as a Peter Dorni product and appeared similar to those found in Locus A.

The only precontact artifact encountered in Locus B was a Normanskill projectile point located in a shovel test pit along the western site boundary (Photograph 37). It is considered a stray find.

### **Discussion**

Based on the results of the Phase IB and Phase II studies, the J. Vant Historic Site- Locus B appears to consist of a large outbuilding, possibly a barn or stable, relating to the J. Vant structure at Locus A. The associated artifact scatter dates from the mid-to-late-1800s coincident with the ownership of the property as recorded in the deeds. Also located deep in the Pine Bush, Locus B is 35 meters (115 feet) from the west side of the hiking trail that correlates to the early 19<sup>th</sup>-century Centre House Road.

Based on the 5-meter interval shovel tests, Locus B extends 82 by 131 feet (25 by 40 m) and encompasses 10,742 square feet (1,000 m<sup>2</sup>) with the longer axis oriented to the north-south. An interior structure surface, Feature 7, was identified 20 meters (66 ft) west of Locus A between Strata 4 and 7. It measured 15-by-8 meters (25-by-50 feet) and was up to 12 centimeters (5 in) thick. No foundation remains were encountered. An oblong gray soil deposit (Feature 4) was recessed into Stratum 5 beneath Feature 7 and held dimensions of 20-by-125 centimeters (8-by-49 in). It contained iron spikes and square nails. Similar to Feature 4, Feature 2 was also located beneath the interior structure surface (Feature 7). Feature 2 consisted of an L-shaped gray soil deposit measuring 90-by-120 centimeters (35-by-47- in) and contained square nails, nail fragments, and a few scattered ceramics. Feature 1, a burn pit, postdated Feature 7 and extended from the surface to roughly 33 centimeters (13 in) deep. Seventy centimeters (28 in) in diameter, Feature 1 contained artifacts such as cut nails, nail fragments, and one shard of whiteware. The rest of Locus B consisted of an extensive low-density sheet midden surrounding the features.

Approximately 700 artifacts mostly divided between building materials and domestic items were retrieved from shovel test and unit excavations in Locus B. Artifact concentrations were densest in the topsoil (Stratum 2) and immediately surrounding Stratum 5. The building materials total for brick fragments, cut nails and fragments, window glass, wire, pantiles, and other hardware nearly tripled the total for household artifacts. Cut nails and nail fragments accounted for 76 percent of the total building materials with pantiles finishing second at 7 percent. Other artifacts encountered included nuts and bolts, screws, can fragments, and iron spikes/rods.

Domestic artifacts consisted of ceramics such as porcelain, redware, stoneware, whiteware, and yellowware; bottle and vessel glass; butchered bone, burned bone, and teeth; shell remnants; a buckle and a table knife. Ceramics comprised 41 percent of the domestic artifact total with bottle and vessel glass at 40 percent.

The J. Vant Historic Site- Locus B is clearly National Register eligible in that it has already yielded information on living conditions, commerce, and travel within the Albany Pine Bush in the mid-to-late-1800s. Additionally, most of the seven criteria of integrity listed in the *National Register Bulletin Guidelines for Evaluating and Registering Archeological Properties* apply to Locus B (SHPO 2005) including location, design, setting, and feeling. Although Locus B is not associated with a specific event, its isolated location and settlement pattern within the Pine Bush conveys historical significance. As the site is located in the middle of the 10 acre (4 ha) undisturbed section of Alternative 4, it will be directly impacted by the expansion of the Albany Landfill.

## **SUMMARY AND RECOMMENDATIONS**

Two hundred forty-four shovel tests were excavated at 5 meter (16 ft) intervals with four tests were excavated at one meter (3 ft) intervals during the Phase II Site Evaluation for the Albany Landfill Expansion Alternative 4. Additionally, two one-by-0.5 meter (3-by-1.5 ft), 13 two-by-0.5 meter (6-by-1.5 ft), ten one-by-one meter (3-by-3 ft), and six one-by-two (3-by-6 ft) meter units were excavated within the J. Vant Historic Site- Loci A and B. A cellar hole, midden, and associated artifact scatter were located at Locus A, though no foundation remains were identified. Locus B consisted of a large outbuilding, possibly a barn or work shed, and the likely remains of a pig sty. Historic artifacts such as pearlware, porcelain, redware, stoneware, whiteware, yellowware, pipe fragments, cut nails, pantiles, buttons, etc were encountered in both loci. For precontact material, one Normanskill projectile point was recovered from Locus B and two trim flakes were retrieved from Locus A, though no precontact feature or site was identified.

Based on artifact analysis and deed research, the site appears to roughly date between 1850 and 1890. Though Vant holds the deed for this time period, he and his family are listed as residing in the 8<sup>th</sup> Ward of Albany, near Arbor Hill. It is unknown who was occupying the Centre House Road property or what their occupation entailed. Both loci of the J. Vant Historic Site are National Register eligible, however, as site integrity has been maintained. A Phase III Data Recovery or site avoidance is recommended.

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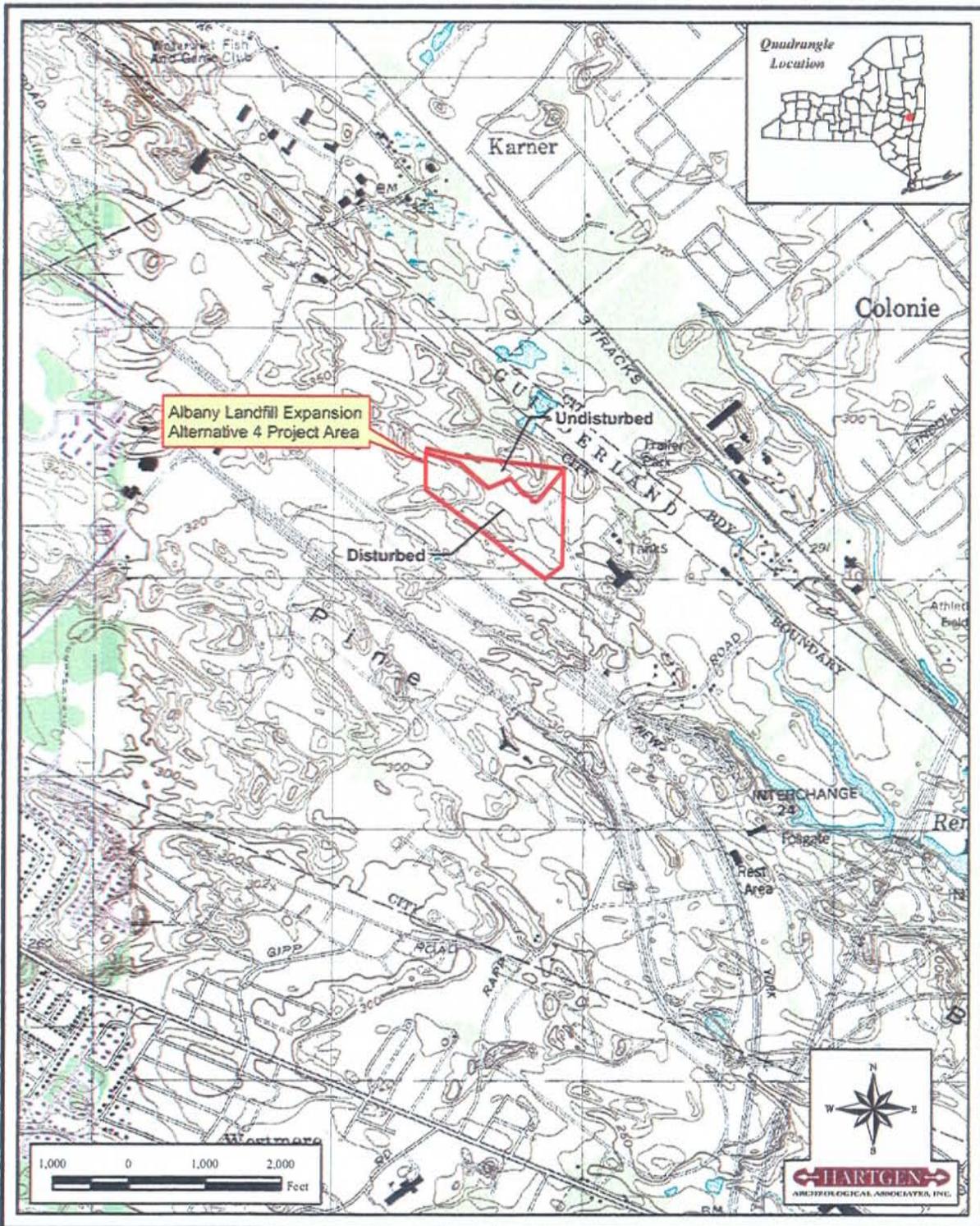
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Phase II Archeological Investigation, Albany Landfill Expansion Alternative 4, City of Albany, New York



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Map 1

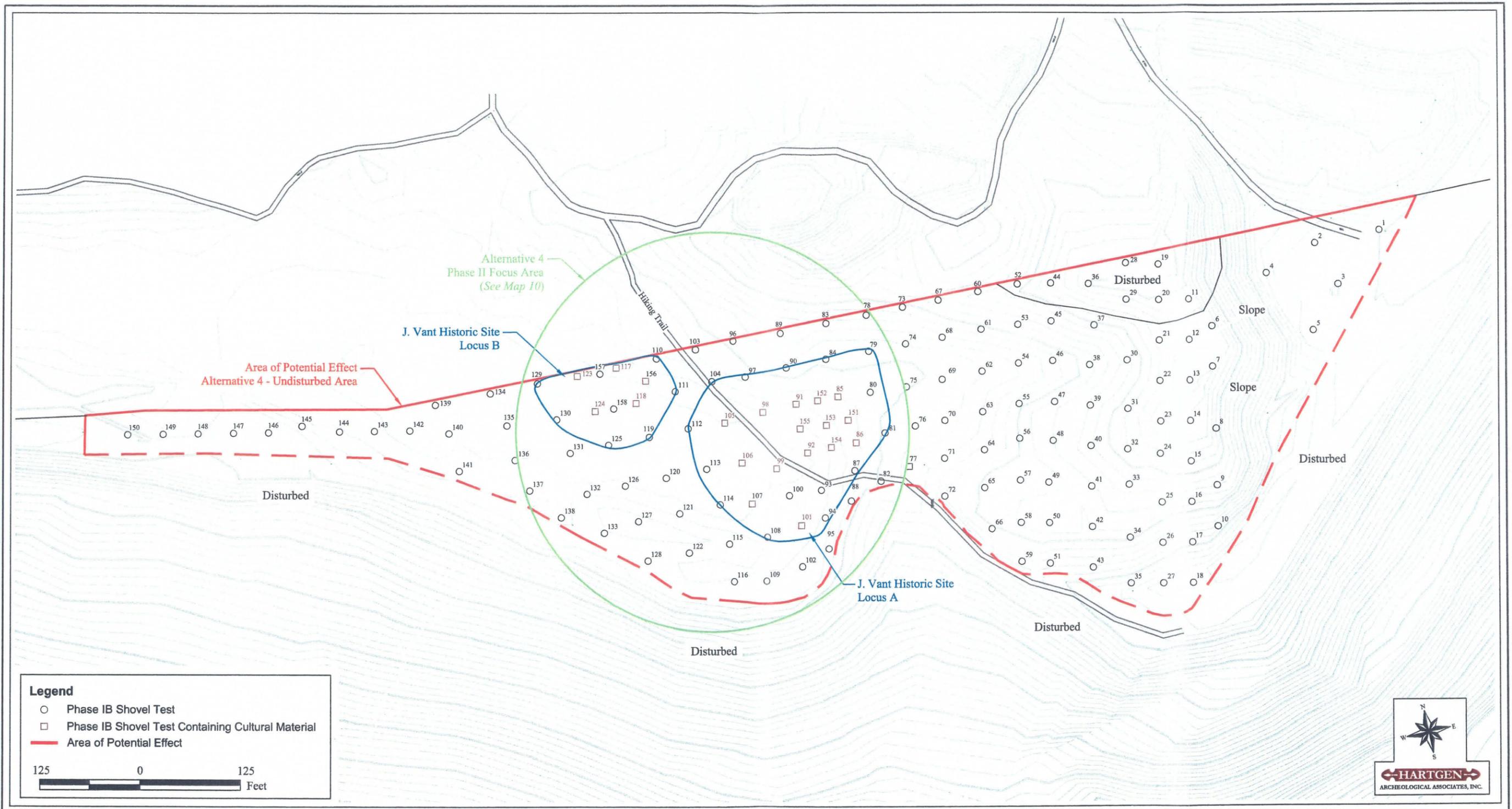
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Map 2

2006 HAA, Inc. and Clough Harbour & Associates, LLP, Project Map Overview

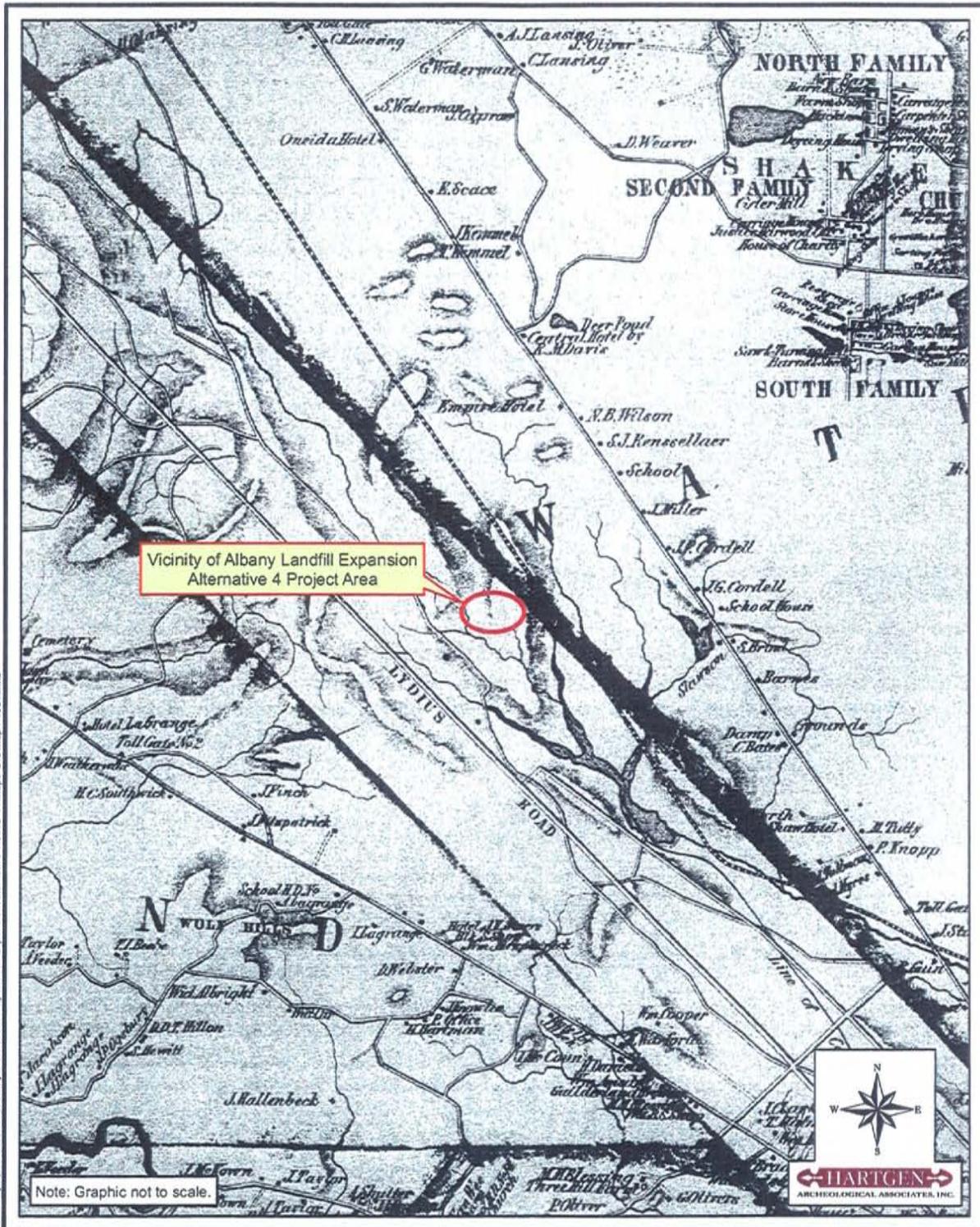


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Map 3

2006 HAA, Inc., Project Area with Phase IB Shovel Test Locations

Phase II Archeological Investigation, Albany Landfill Expansion Alternative 4, City of Albany, New York

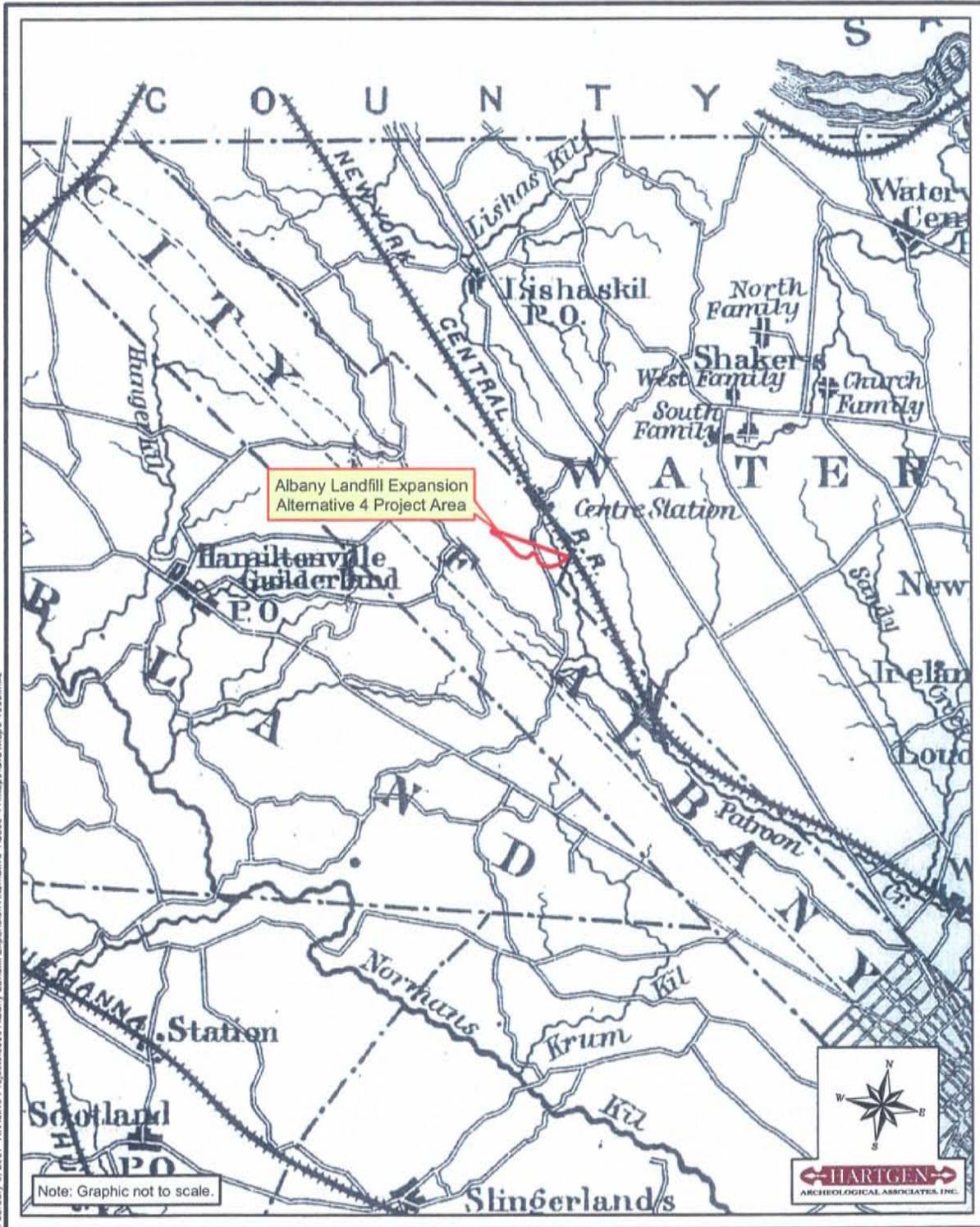


February 5, 2007 R:\Active Projects\3830 Albany Landfill Expansion Alternative 4\3830-41\Map\GIS\Map4-1854.mxd

Map 4

1854 Gould and Moore Map of Albany County, New York

Phase II Archeological Investigation, Albany Landfill Expansion Alternative 4, City of Albany, New York

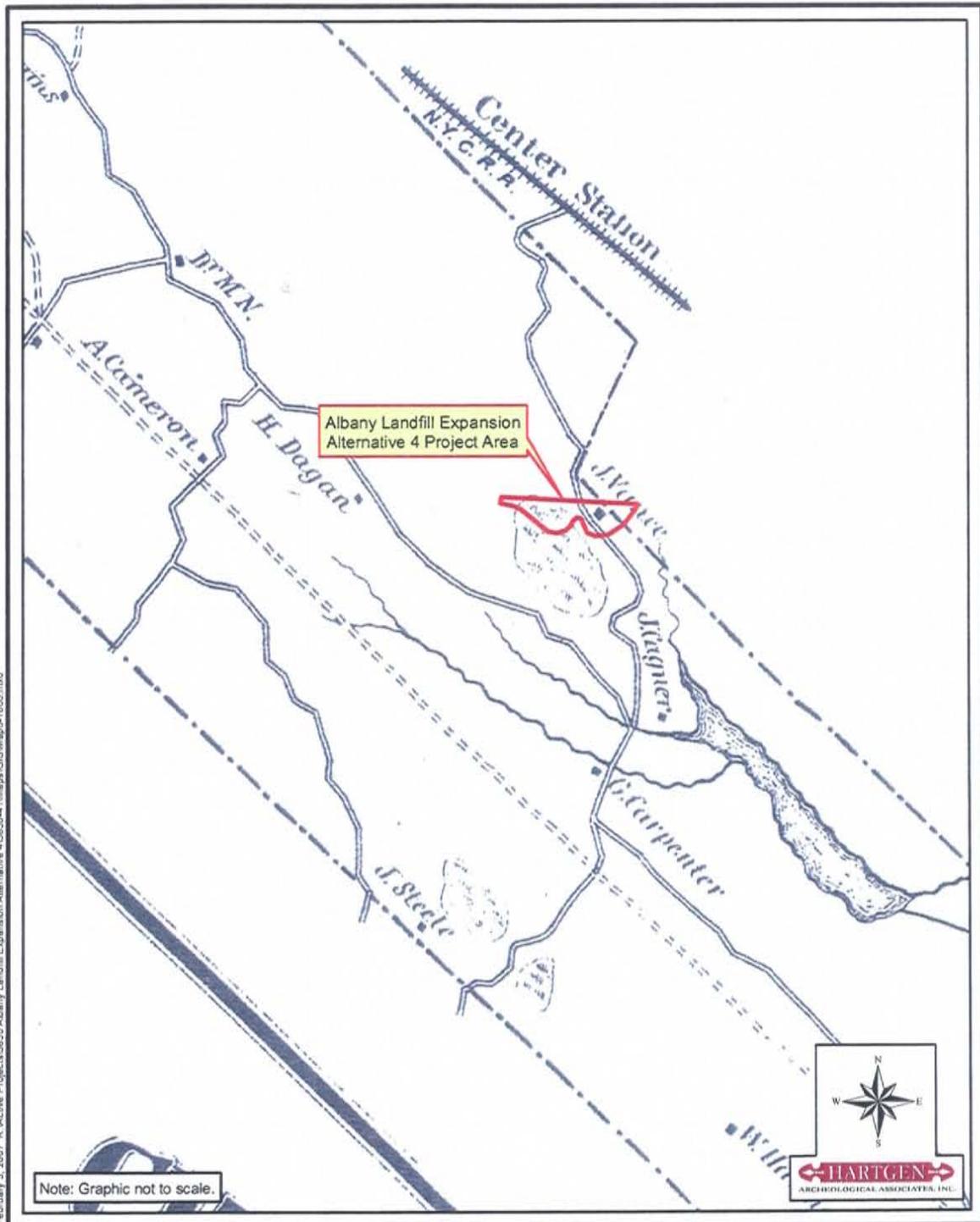


February 5, 2007 R:\Active Projects\3830 Albany Landfill Expansion Alternative 4\3830-4 11\Maps\GIS\Map5-1866.mxd

Map 5

1866 Beers Map of Albany County

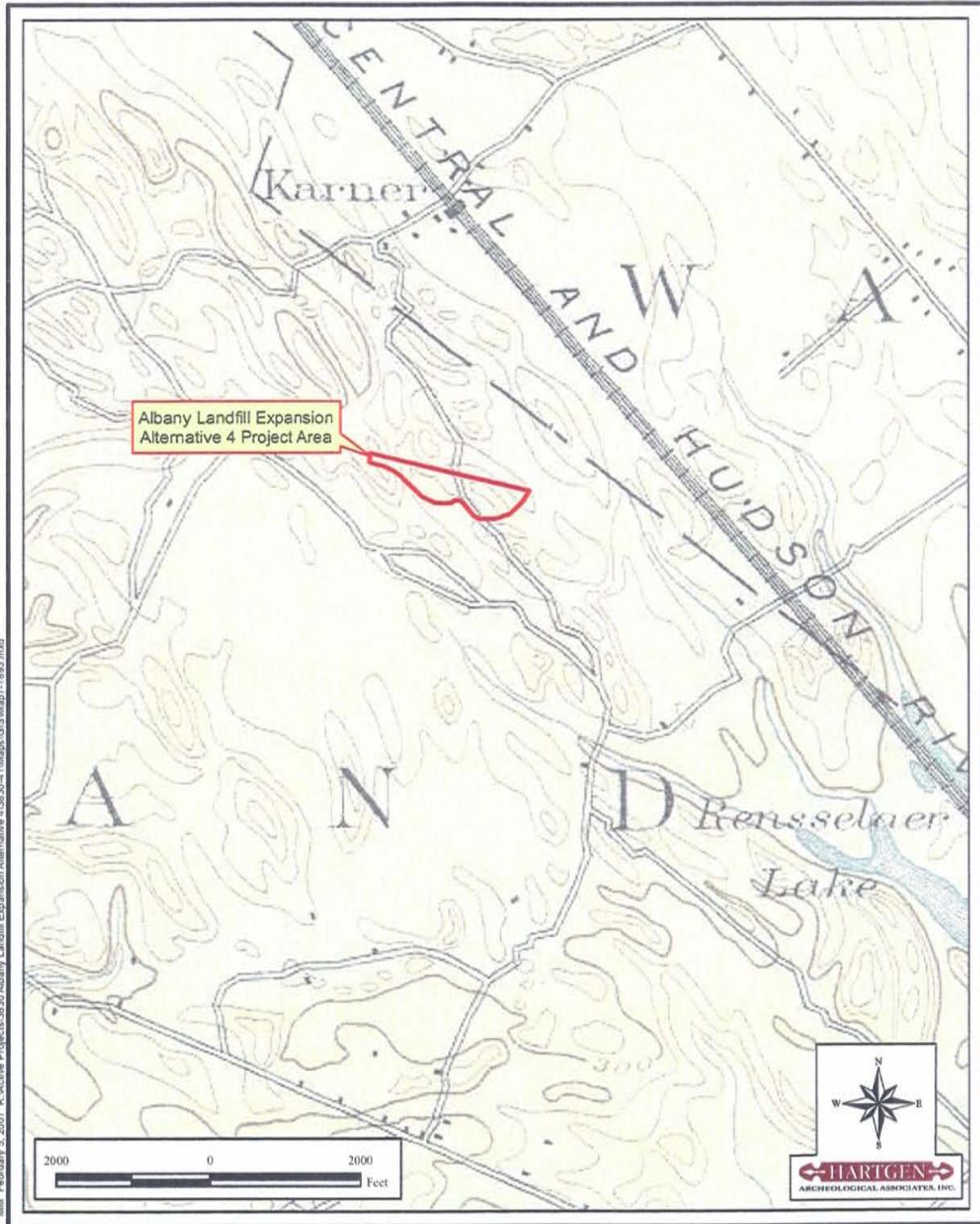
Phase II Archeological Investigation, Albany Landfill Expansion Alternative 4, City of Albany, New York



Map 6

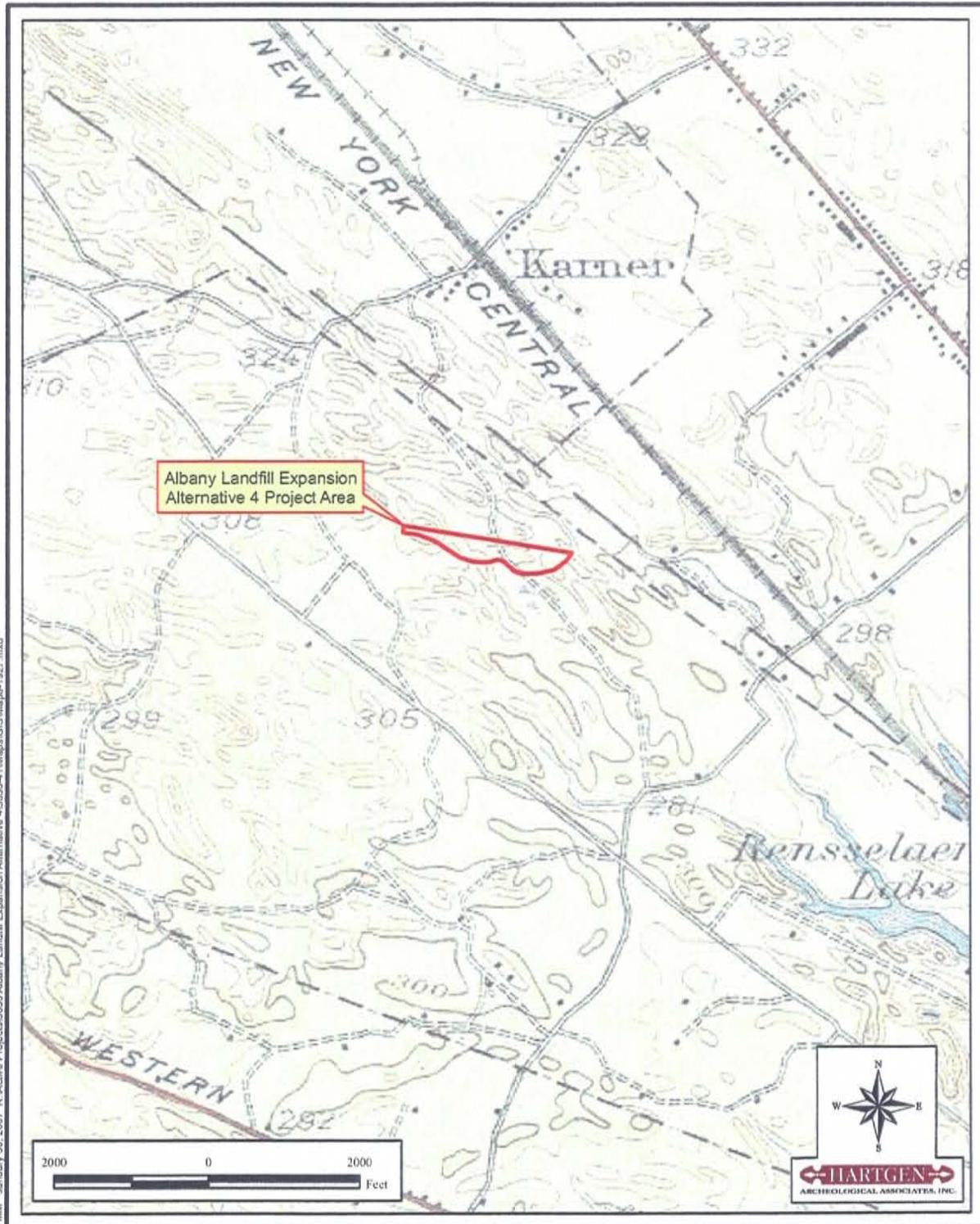
1866 Beers Map of the West End of City included with Map of the City of Albany

Phase II Archeological Investigation, Albany Landfill Expansion Alternative 4, City of Albany, New York



Map 7

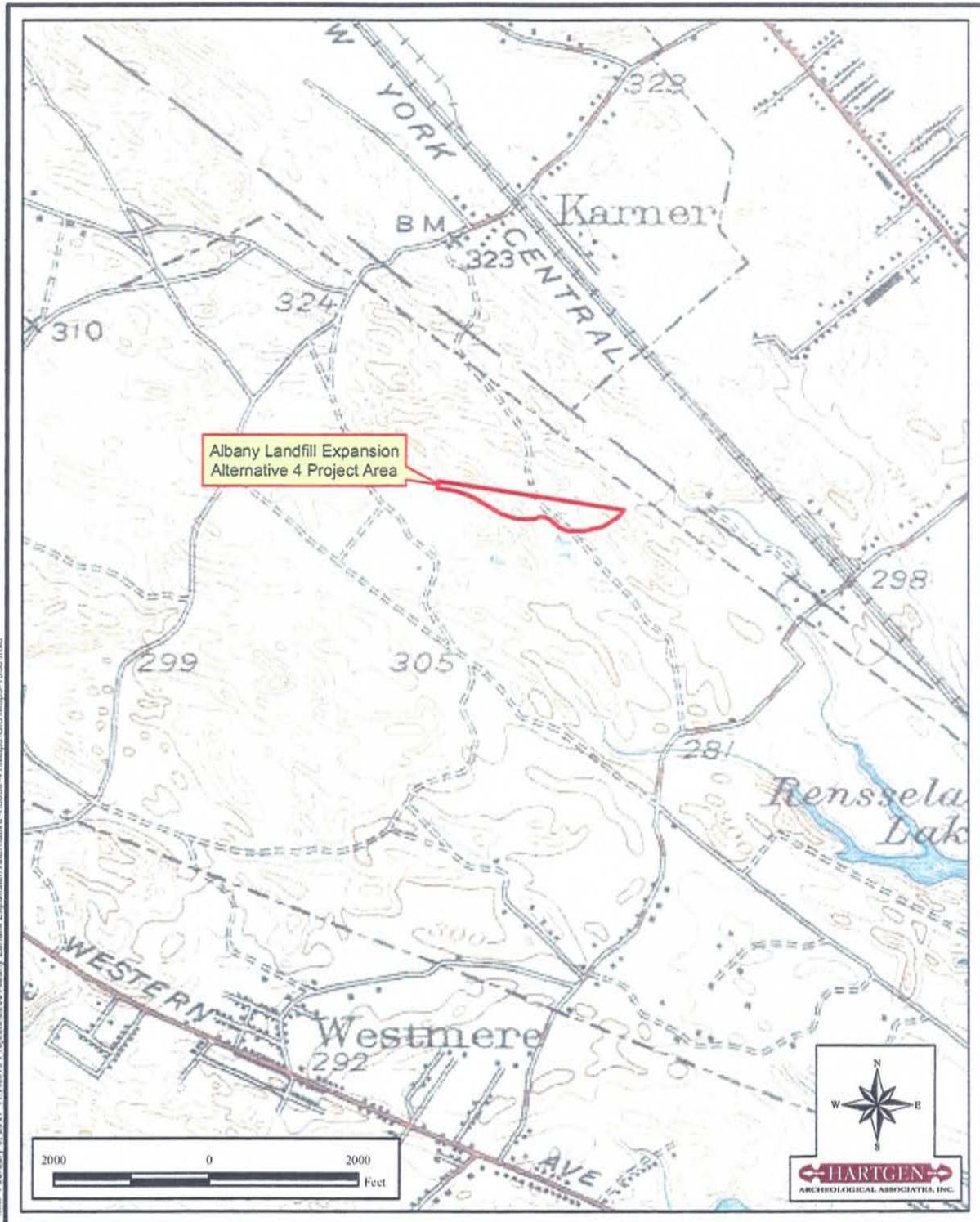
1893 USGS Albany, New York, 15' Topographic Quadrangle



MM January 30, 2007 R:\Active Projects\3630 Albany Landfill Expansion Alternative 4\3630-41\Maps\GIS\Map8-1927.mxd

Map 8

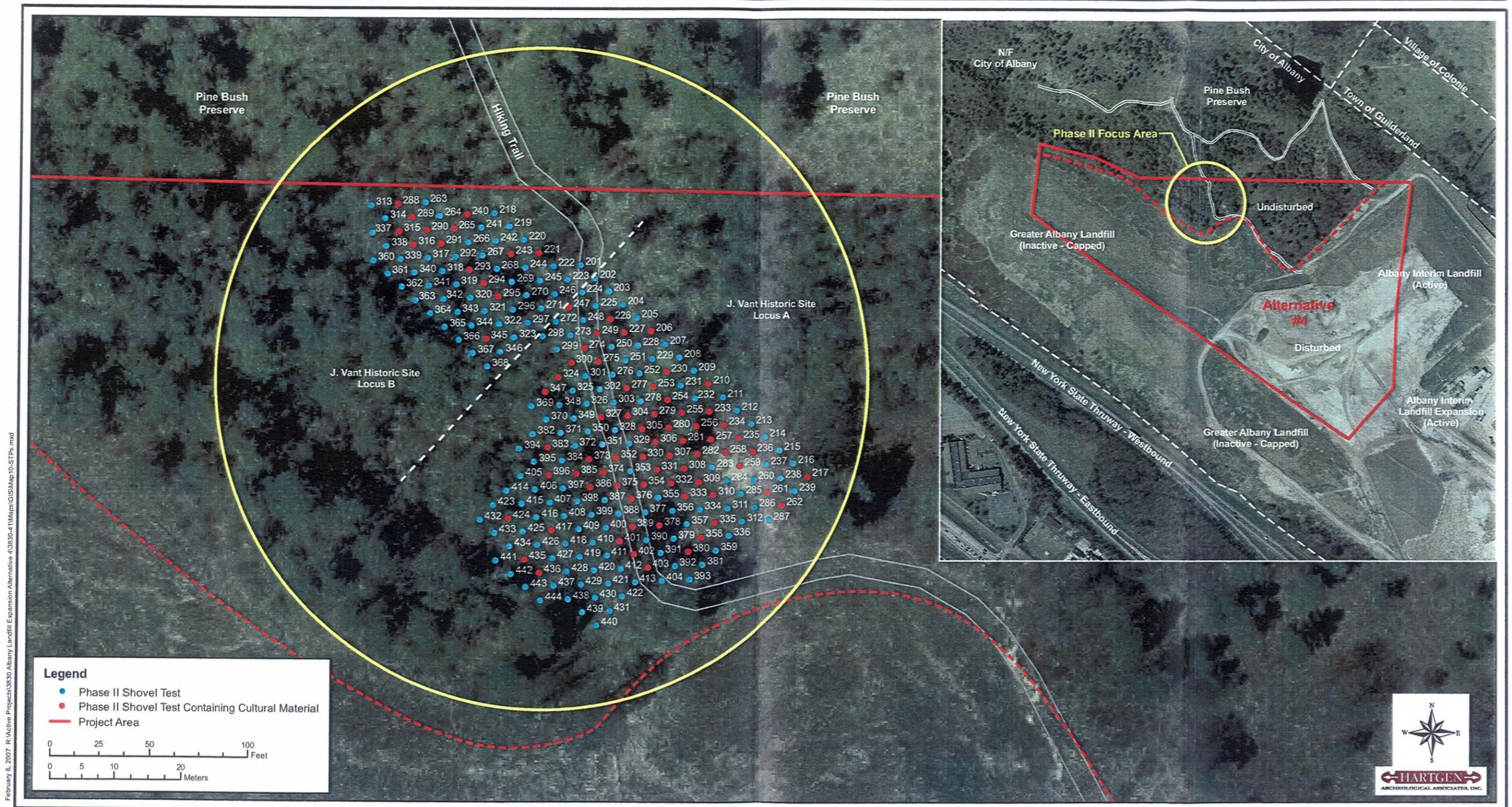
1927 USGS Albany, New York, 15' Topographic Quadrangle



M:\February 5, 2007 R:\Active Projects\3830-Albany Landfill Expansion Alternative 4\3830-411\Map\GIS\Map9-1950.mxd

Map 9

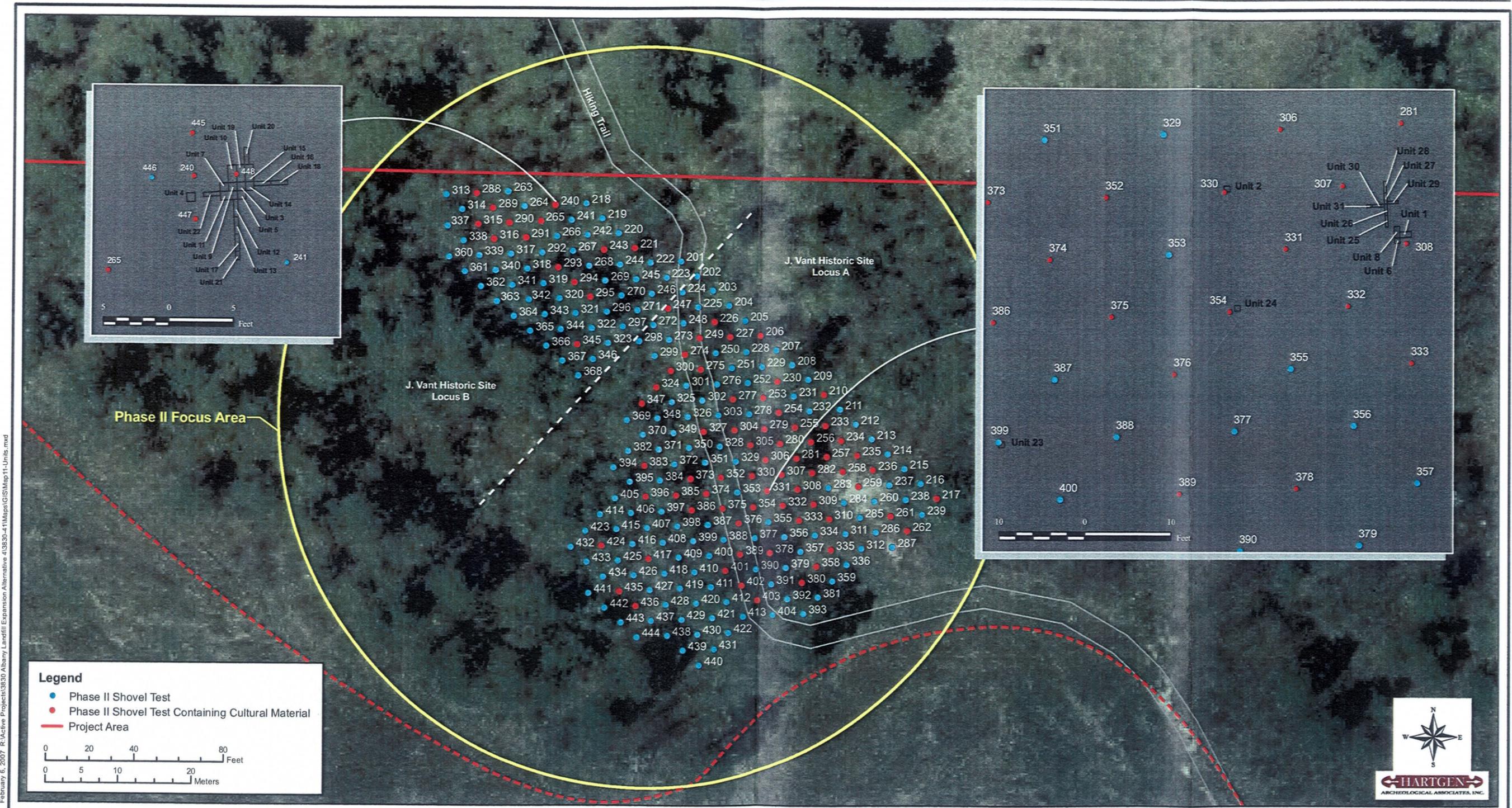
1950 USGS Albany, New York, 15' Topographic Quadrangle



February 6, 2007 R:\Active Projects\13830 Albany Landfill Expansion Alternative 4\13830-4\11\Maps\GIS\Map10-STPs.mxd

Map 10

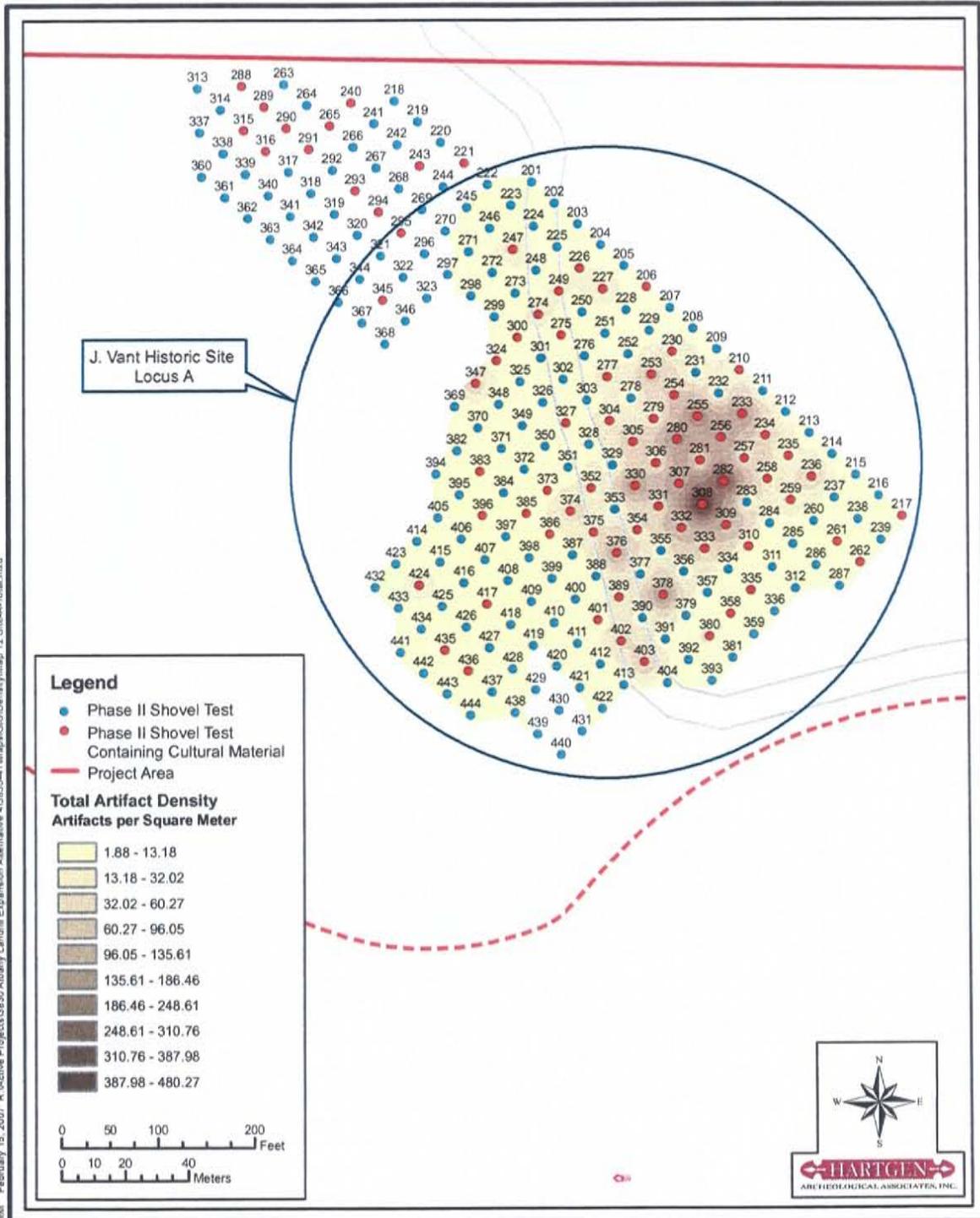
2006 HAA, Inc. and Clough Harbour & Associates, LLP, Phase II Focus Area with Shovel Test Locations



Map 11

2006 HAA, Inc. and Clough Harbour & Associates, LLP, Phase II Focus Area with Unit Locations

Phase II Archeological Investigation, Albany Landfill Expansion Alternative 4, City of Albany, New York

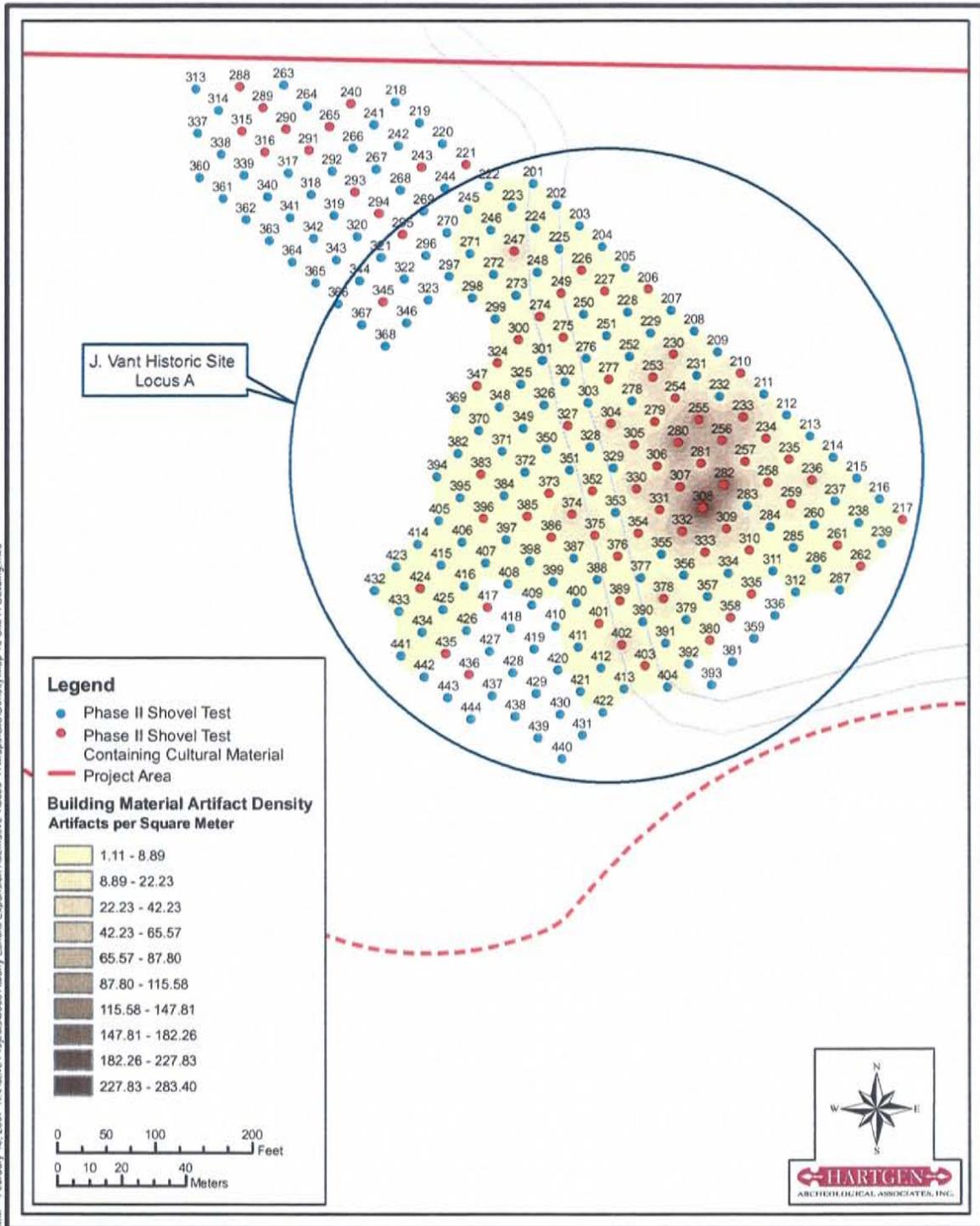


MM February 15, 2007 R:\Active Projects\0830 Albany Landfill Expansion Alternative 4\GIS\Map\Map 12 Site-A-Total.mxd

Map 12

2006 HAA, Inc., J. Vant Historic Site, Locus A, Density Distribution for all Artifact Classes

Phase II Archeological Investigation, Albany Landfill Expansion Alternative 4, City of Albany, New York

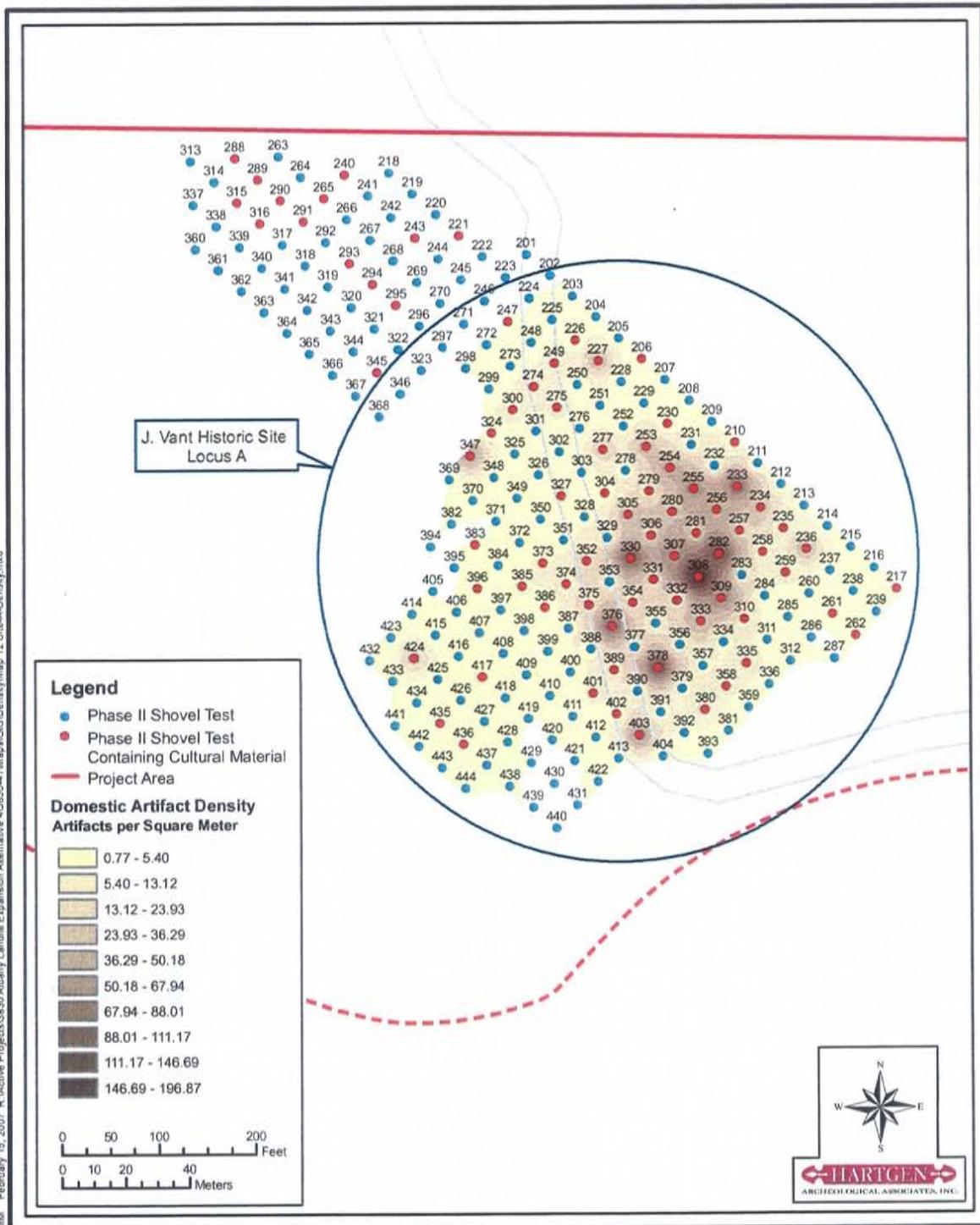


MM February 15, 2007 R:\Active Projects\3830 Albany Landfill Expansion Alternative 4\3830-41\Maps\GIS\Density\Map 13 Site-A-Building.mxd

Map 13

2006 HAA, Inc., J. Vant Historic Site, Locus A, Building Material Artifact Density

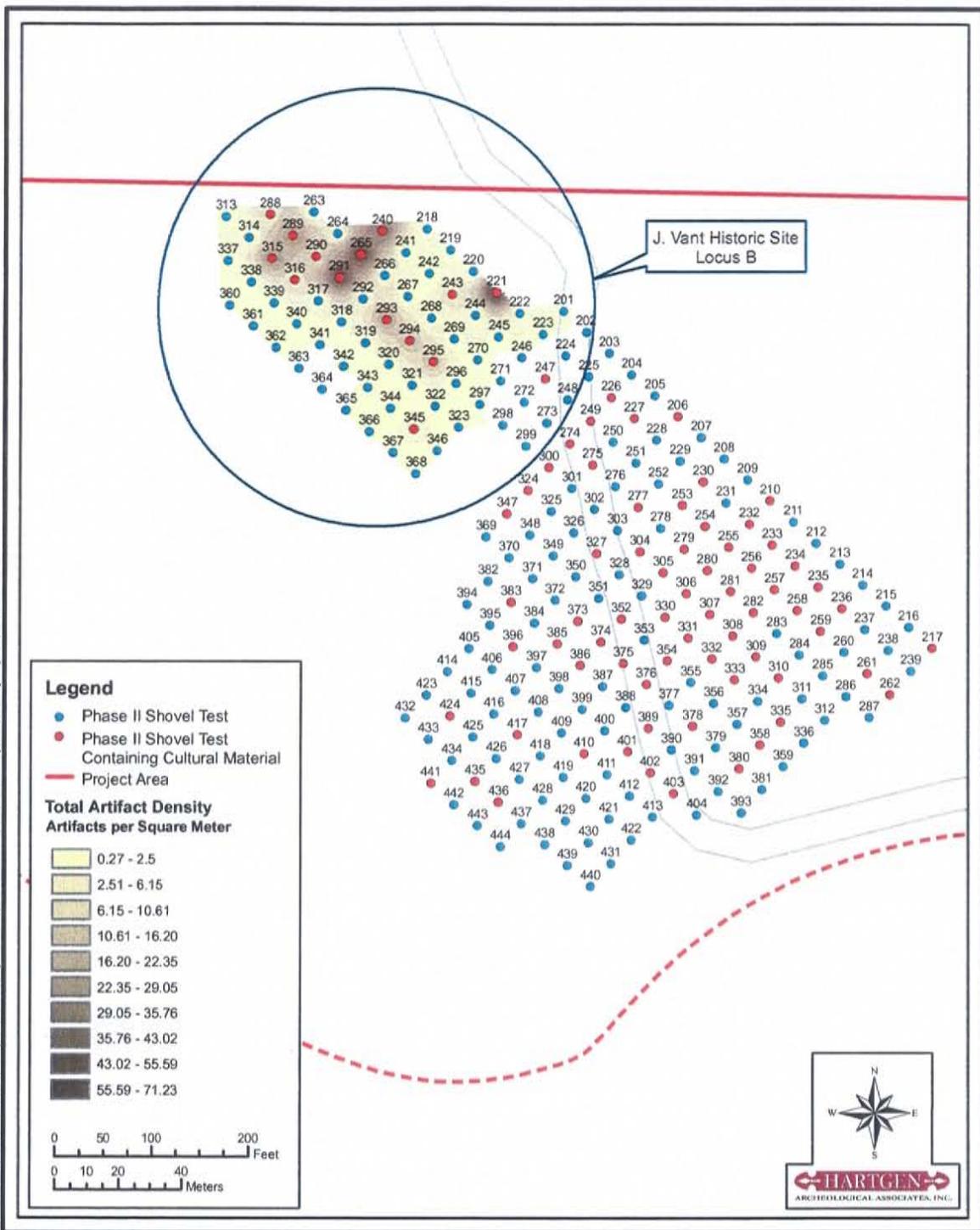
Phase II Archeological Investigation, Albany Landfill Expansion Alternative 4, City of Albany, New York



MM February 15, 2007 R:\Active Projects\03530 Albany Landfill Expansion Alternative 4\03530-41\Map\GIS\Density\Map\_12\_Site-A-Density.mxd

Map 14

2006 HAA, Inc., J. Vant Historic Site, Locus A, Domestic Artifact Density

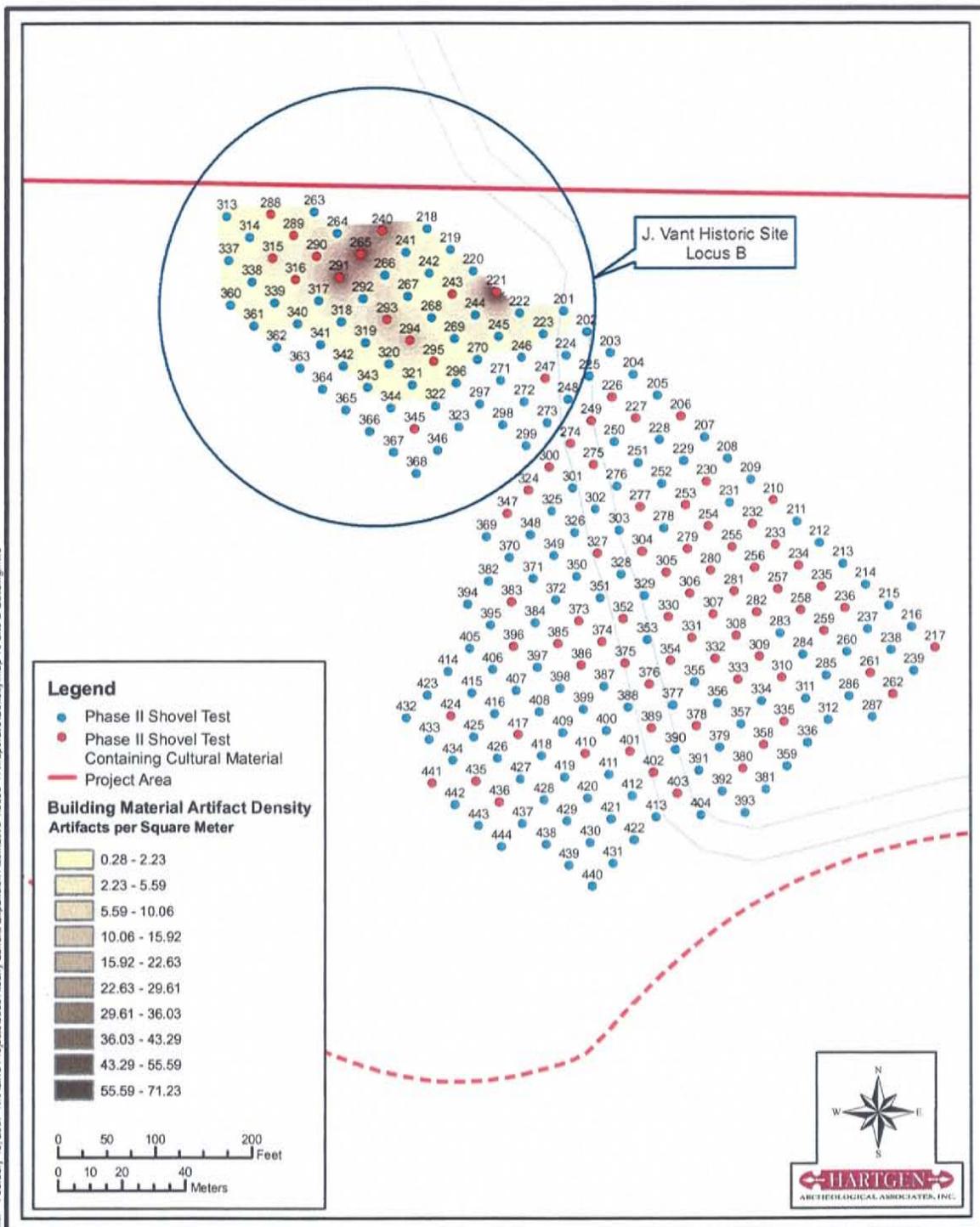


MM: February 15, 2007 R:\Active Projects\3830-Albany Landfill Expansion Alternative 4\3830-41\Map\GIS\Density\Map\_15\_Site-B\_Total.mxd

Map 15

2006 HAA, Inc., J. Vant Historic Site, Locus B, Density Distribution for all Artifact Classes

Phase II Archeological Investigation, Albany Landfill Expansion Alternative 4, City of Albany, New York

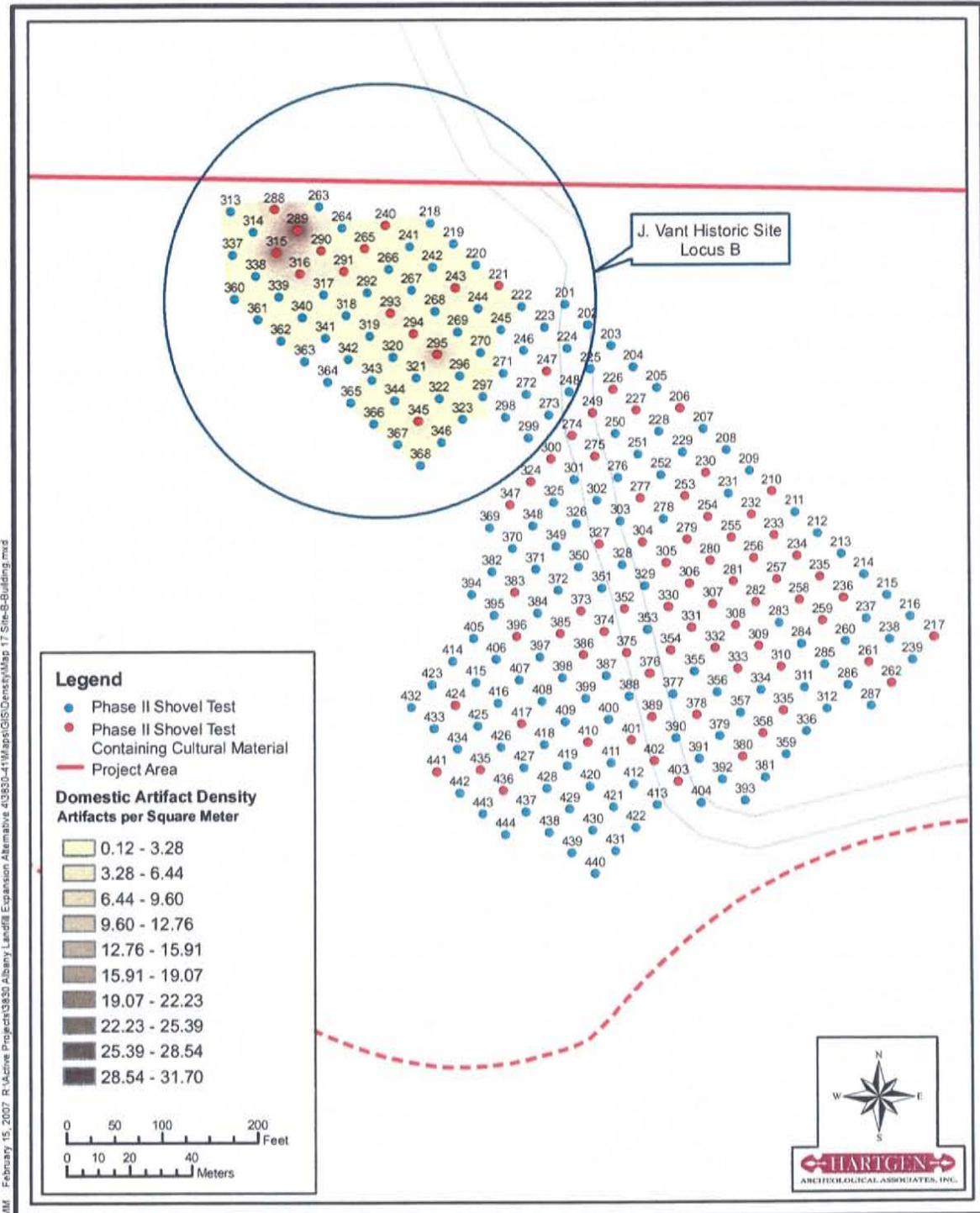


MM February 15, 2007 R:\Active Projects\3830 Albany Landfill Expansion Alternative 4\3830-41\Maps\GIS\Density\Map 16 Site-B-Building.mxd

Map 16

2006 HAA, Inc., J. Vant Historic Site, Locus B, Building Material Artifact Density

Phase II Archeological Investigation, Albany Landfill Expansion Alternative 4, City of Albany, New York



MM February 15, 2007 R:\Active Projects\03835 Albany Landfill Expansion Alternative 4\03835-4\Map\GIS\Density\Map 17 Site-B-Building.mxd

Map 17

2006 HAA, Inc., J. Vant Historic Site, Locus B, Domestic Artifact Density

## **Photographs**



Photograph 1: Northeastern view of the J. Vance Historic Site- Locus A. Units 25 through 31 with Feature 6 were located on level land at the top of the rise north of the hiking trail. Units 1, 6, and 8 with Feature 3 were positioned on the slope. The hiking trail bisecting the project area appears to be the remnants of a 19<sup>th</sup>-century offshoot of Kings Highway known as Centre House Road.



Photograph 2: Southwestern view of an archeologist establishing grid lines within the J. Vance Historic Site- Locus B. The area of dead poplars is surrounded by old growth pines and oaks.



Photograph 3: Eastern view of Feature 6 in the J. Vance Historic Site- Locus A. The lighter soil patches consisted of light gray ash and ash combined with charcoal flakes.



Photograph 4: Western view of the profile of Units 7 and 11 in the J. Vance Historic Site- Locus B. Feature 7 correlates to the darker Stratum 4 of the profile. The feature extended approximately 15 meters (50-ft) north-south and 8 meters (25 ft) east-west. Feature 1 projected through Stratum 4, but Features 2 and 4 began at the transition between Strata 4 and 5 and extended into the subsoil.



Photograph 5: Harness chain recovered from the cellar hole (Fea. 6) of Locus A.



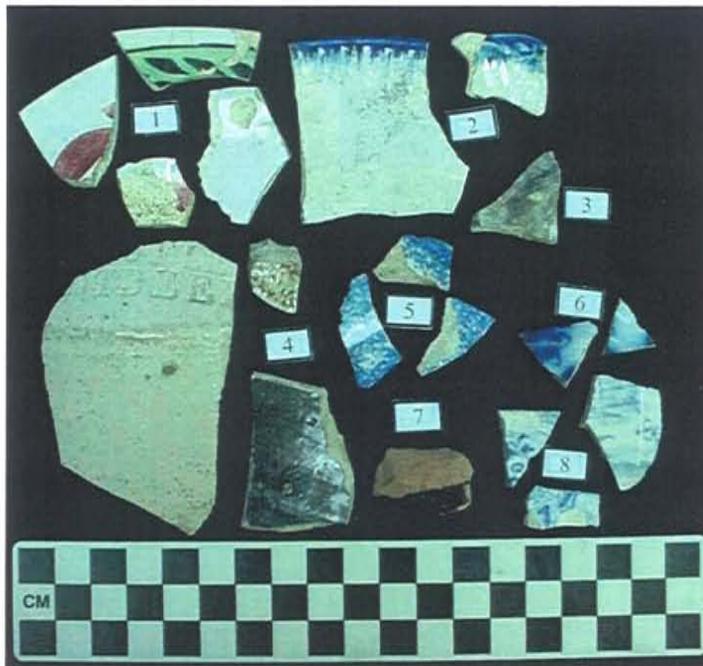
Photograph 6: Metals recovered from the midden (Fea. 3) of Locus A included can fragments (1), coiled wire (2), an upholstery tack (3) and iron banding (4).



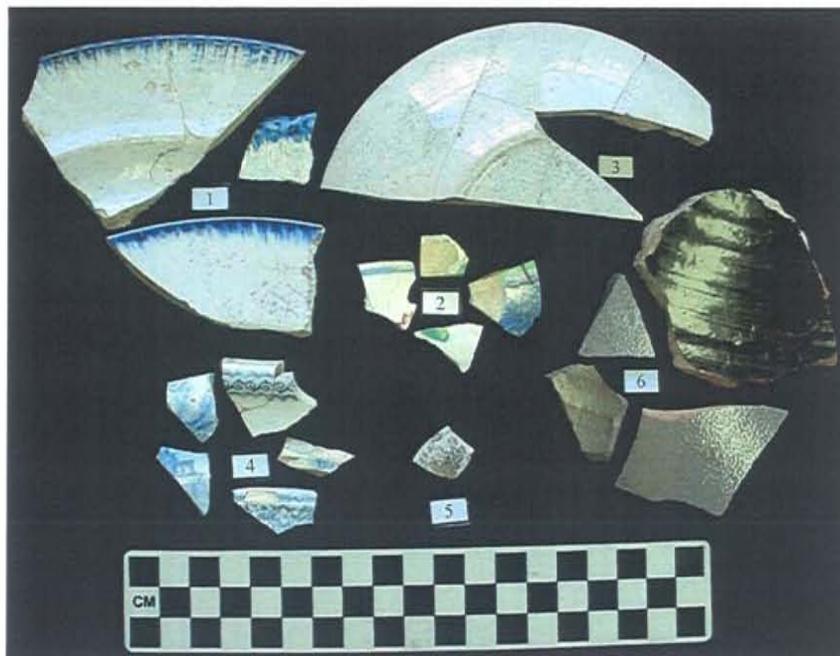
Photograph 7: A curled piece of iron sheeting, possibly a portion of stovepipe, was located in the southern corner of the midden (Fea. 3).



Photograph 8: Ceramics were more prevalent in the midden (Fea. 3) than in the cellar hole (Fea. 6). Most of those encountered were unadorned whiteware tableware and chamber pots popular after the Civil War.



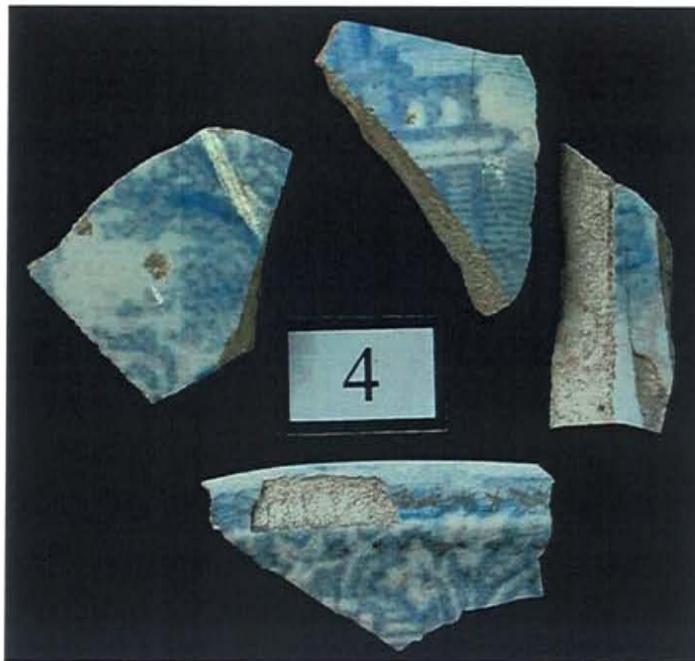
Photograph 9: Decorated ceramics from the midden (Fea. 3) included hand-painted whiteware (1), scalloped and impressed blue-rimmed whiteware (2), black glazed whiteware (3), salt-glazed stoneware with Albany slip (4), sponge blue whiteware (5), flow blue (6), glazed redware (7), and blue transferware. Much of the stoneware seems to have been beverage bottles including root beer (4).



Photograph 10: Various ceramics were also encountered in the cellar hole including impressed blue-rimmed whiteware (1), hand-painted whiteware (2), utilitarian tableware (3), blue transferware (4), black transferware (5), and various salt-glazed Albany-slipped stoneware (6).



Photograph 11: A detail of the black transferware recovered from the cellar hole (Fea. 6).



Photograph 12: A detail of the blue transferware recovered from the cellar hole (Fea. 6).



Photograph 18: Various pipe fragments were recovered from the midden deposit (Fea. 3) in Locus A. Four stem fragments along the top display the classic Peter Dorni labels. Several bowl fragments in the center show a roulette pattern along the rim. The largest bowl fragment has a T.D. surrounded by stars. The heel shard to the right contains a floral design along the seam. The patterns date to post-1850 and incorporate Irish political influences.



Photograph 19: A close-up of the ornate pipe fragments recovered from the midden deposit (Fea. 3). The four stem fragments display the classic Peter Dorni labels. The bowl fragment in the center has a T.D. surrounded by stars. The heel shard to the right contains a floral design along the seam.



Photograph 20: Other pipe styles were recovered from the cellar hole deposit (Fea. 6). The striped scalloped pattern is visible on the pipe in the top left corner while a bottom bowl fragment displays a floral design with dots.



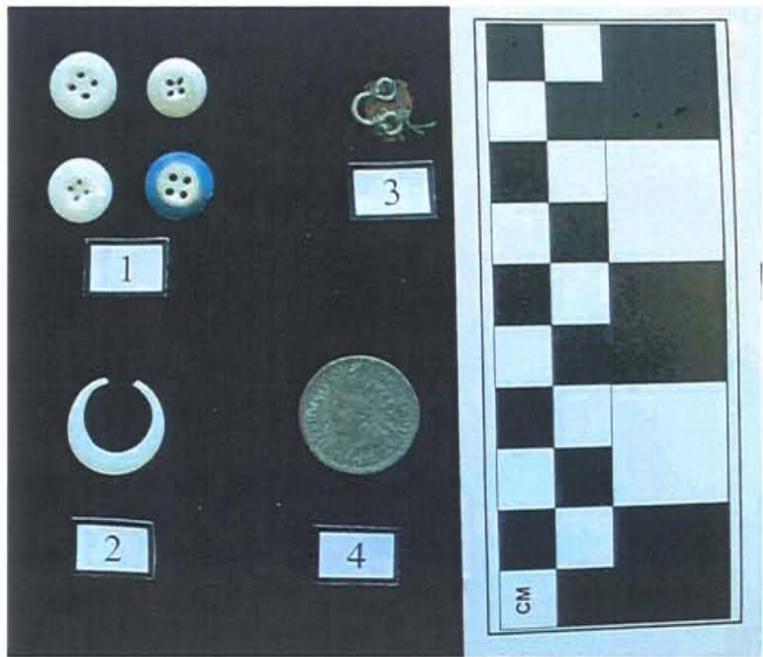
Photograph 21: Various artifacts recovered from Locus A outside of the features. A hinge fragment (1) was collected along with manganese bottle glass (2), a mouth harp (3), several pipe stem and bowl fragments (4), a crown-style bottle cap (5), and a four-holed porcelain button (6).



Photograph 22: More bottle glass was encountered in the cellar hole (Fea. 6) than the midden. Examples include clear bottle glass (1), aqua bottle glass with lipping tool finishes (2), and brown/amber bottle glass (3).



Photograph 23: Glass in the midden (Fea. 3) consisted of clear tumbler glass (1), window glass (2), olive green bottle glass (3), brown/amber bottle glass (4), thin, pressed bottle glass (5), and lamp chimney fragments (6).



Photograph 24: Domestic artifacts recovered from the cellar hole (Fea. 6) included four four-holed porcelain buttons (1), an unidentified glass ornament (2), the 'round-eye' segment of a hook and round eye clasp (3), and an 1872 US one-cent coin (4).



Photograph 25: Domestic artifacts collected from the midden (Fea. 3) included cloth fragments (1); a buckle (2), the hook section to a 'hook and round-eye' clasp (3); seven buttons including glass, bone, cloth, and iron (4); and a bone handle fragment (5).



Photograph 26: A utensil, possibly a knife or fork, was retrieved from the cellar hole (Fea. 6).



Photograph 27: A detail of the obverse of the 1872 US one-cent coin with Indian-head motif.



Photograph 28: A detail of the converse of the 1872 US one-cent coin with laurel leaves and a brace of arrows.



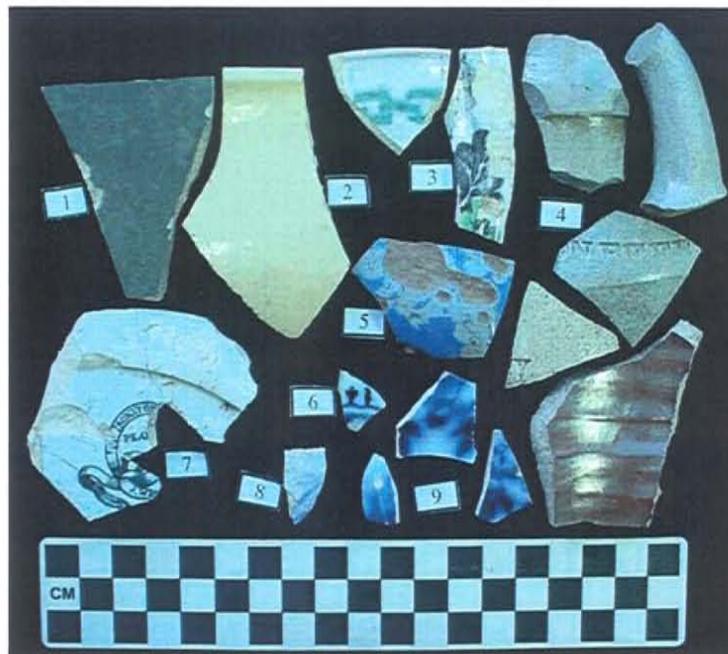
Photograph 29: Many pantiles and fragments were recovered from Locus B. The two above display edge curvature.



Photograph 30: Various spikes recovered from the gray soil deposits in Locus B (Fea. 2 and 4). Spikes 1 and 2 are thin and still retain their crowns. The spikes of set 3 are railroad spikes, many of which are missing the heads.



Photograph 31: Eight iron rod fragments were retrieved from the gray soil deposits (Fea. 2 and 4) of Locus B.



Photograph 32: Ceramics recovered from Locus B included buff-colored stoneware (1), yellowware (2), hand-painted transferware (3), various stonewares along with lemon and root beer bottle fragments (4), blue-glazed redware (5), hand painted porcelain (6), ironstone (7), blue transferware (8), and flow blue whiteware (9).



Photograph 33: A detail of the ironstone maker's mark.



Photograph 34: Various glass was recovered from Locus B including aqua bottle glass with lipping tool finishes, clear bottle glass with screw rims, and olive glass.



Photograph 35: An iron table knife was unearthed from Locus B. No handle fragments were recovered.



Photograph 36: This tongued buckle was collected from Locus B.



Photograph 37: The Normanskill precontact projectile point was encountered during shovel testing. No other precontact material was located within Locus B and the point is classified as a stray find.

## **Tables**

Table 1: Deed History of the J. Vant Property

Book	Page	Date	Recorded	Grantor	Grantee	Price	Size	Location	Description	Excepts
363	67	1/2/1885	1/31/1885	John Vant (Vaut), wife Mary	Mary A. Sabey	\$1,500	Lot 7; 40 acres, 12 perch	City Albany/Town Watervliet, Albany Co. W. branch Patroon Creek	Beg: Centre House Road, SW corner Middleton-Kirchner Farm Then: NE btw. Lots 7 and 8 to Albany Schenectady Railroad Then: NW along RR to NW corner of Lot 7 Then: SW btw. Lots 6 and 7 to Centre House Road Then: Along road to Beg.	R-O-W for Middleton Mill water
210	247	8/19/1867	8/30/1867	William G. Ertzberger, wife Martha	Mary Vant	\$3,500	Lot 7; 40 acres, 12 perch	City Albany/Town Watervliet, Albany Co. W. branch Patroon Creek	Beg: Centre House Road, SW corner Middleton-Kirchner Farm Then: NE btw. Lots 7 and 8 to Albany Schenectady Railroad Then: NW along RR to NW corner of Lot 7 Then: SW btw. Lots 6 and 7 to Centre House Road Then: Along road to Beg.	R-O-W for Middleton Mill water
206	64	2/12/1867	2/20/1867	John Vant, wife Mary	William G. Ertzberger	\$3,500	Lot 7; 40 acres, 12 perch	City Albany/Town Watervliet, Albany Co. W. branch Patroon Creek	Beg: Centre House Road, SW corner Middleton-Kirchner Farm Then: NE btw. Lots 7 and 8 to Albany Schenectady Railroad Then: NW along RR to NW corner of Lot 7 Then: SW btw. Lots 6 and 7 to Centre House Road Then: Along road to Beg.	R-O-W for Middleton Mill water
119	160	1/25/1853	1/28/1853	William Cassidy, wife Jane Ann	John Vant	\$950	Lot 7; 40 acres, 12 perch	City Albany/Town Watervliet, Albany Co. W. branch Patroon Creek	Beg: Centre House Road, SW corner Middleton-Kirchner Farm Then: NE btw. Lots 7 and 8 to Albany Schenectady Railroad Then: NW along RR to NW corner of Lot 7 Then: SW btw. Lots 6 and 7 to Centre House Road Then: Along road to Beg.	R-O-W for Middleton Mill water
120	149	11/12/1852	11/23/1852	William Turner, wife Elisa  Mortgage by Turner to Middleton 5/15/1852 (Mortgages 85/236)	William M. Cassidy	\$650	equal, undivided half part of Lots 5, 6, 7	City Albany/Town Watervliet, Albany Co.; W. branch Patroon Creek	Beg: Centre House Road, SW corner Middleton Farm Then: SE along road to SE corner of Lot 7 Then: NE btw. Lots 7 and 8 to Albany Schenectady Railroad Then: NW along RR to NW corner of Lot 5 Then: SE along lands of Van Rensselaer and McDIntyre to Beg.	R-O-W for Middleton Mill water
116	451	5/15/1852	6/28/1852	Richard Middleton	William M. Cassidy and William Turner	\$2,080	Lots 5, 6, 7; 133 acres, 3 roods, 11 rods	City Albany/Town Watervliet, Albany Co.; W. branch Patroon Creek	Beg: Centre House Road, SW corner Middleton Farm Then: E along road to SE corner of Lot 7 Then: NE btw. Lots 7 and 8 to Albany Schenectady Railroad Then: NW along RR to NW corner of Lot 5 Then: SE along lands of Van Rensselaer and McDIntyre to Beg.	R-O-W for Middleton Mill water
110	277	12/24/1850	1/16/1851	Stephen Van Rensselaer  Release of Mortgage and assigning of R-O-W	Richard Middleton, wife Catherine	\$1	Lots 5, 6, 7; 133 acres, 3 roods, 11 rods	City Albany/Town Watervliet, Albany Co.; W. branch Patroon Creek	Beg: Centre House Road, SW corner Middleton Farm Then: SE along road to SE corner of Lot 7 Then: NE btw. Lots 7 and 8 to Albany Schenectady Railroad Then: NW along RR to NW corner of Lot 5 Then: SE along lands of Van Rensselaer and McDIntyre to Beg.	R-O-W for Middleton Mill water
106	421	4/1/1850	08/14/1850	Stephen Van Rensselaer, wife Harriet	Richard Middleton, wife Catherine	\$3,194.14	255 acres, 2 roods, 5 perches	City Albany/Town Watervliet, Albany Co.; W. branch Patroon Creek	Beg: SW side Albany Schenectady Railroad (N corner Benjamin VanAern- 11/18/1848) Then: SW to NW corner of same. Then: NW to Center of Old State Road Then: NE through Old State Road and Center House Road Then: NW to Albany Schenectady Railroad Then: SE to Beg.	R-O-W for Mill Water

Table 2: Deed History of the Lands Surrounding the J. Vant Property

Book	Page	Date	Recorded	Grantor	Grantee	Price	Size	Location	Description	Excepts
2129	879	4/8/1977	4/8/1977	John T. Garry	City of Albany	\$187,035	36 acres	19th Tax District, City of Albany	Part of premises conveyed to grantor by Mary Ellen Herndon in 1958	
1576	204	4/4/1958	5/12/1958	Mary Ellen Herndon	John T. Garry	\$1	Lots 5, 6, 7; 133 acres, 3 roods, 11 rods	City Albany/Town Watervliet, Albany Co.; W. branch Patroon Creek	Beg: Centre House Road, SW corner Middleton-Kirchner Farm Then: E along road to SE corner of Lot 7 Then: NE btw. Lots 7 and 8 to Albany Schenectady Railroad Then: NW along RR to NW corner of Lot 5 Then: SE along lands of Van Rensselaer and McDintyre to Beg. <i>R-O-W to Jerome Heard by Mary Ann Rapp 6/13/1900 (9/30/1902)</i> Also: <i>R-O-W to Jermina Heard by Mary A. Sabey 6/13/1900 (11/22/1902)</i>	R-O-W for Middleton Mill water  Land conveyed by William Cassidy to John Vant
953	123	8/25/1942	5/3/1943	Donald B. Van Liere	Mary Ellen Herndon	\$1	Lots 5, 6, 7; 133 acres, 3 roods, 11 rods	City Albany/Town Watervliet, Albany Co.; W. branch Patroon Creek	Beg: Centre House Road, SW corner Middleton-Kirchner Farm Then: E along road to SE corner of Lot 7 Then: NE btw. Lots 7 and 8 to Albany Schenectady Railroad Then: NW along RR to NW corner of Lot 5 Then: SE along lands of Van Rensselaer and McDintyre to Beg. <i>R-O-W to Jerome Heard by Mary Ann Rapp 6/13/1900 (9/30/1902)</i> Also: <i>R-O-W to Jermina Heard by Mary A. Sabey 6/13/1900 (11/22/1902)</i>	R-O-W for Middleton Mill water  Land conveyed by William Cassidy to John Vant
711	438	2/28/1923	3/6/1923	Charles F. Pond, wife Mary E.	Isaac Van Liere	\$1	Lots 5, 6, 7; 133 acres, 3 roods, 11 rods	City Albany/Town Watervliet, Albany Co.; W. branch Patroon Creek	Beg: Centre House Road, SW corner Middleton-Kirchner Farm Then: E along road to SE corner of Lot 7 Then: NE btw. Lots 7 and 8 to Albany Schenectady Railroad Then: NW along RR to NW corner of Lot 5 Then: SE along lands of Van Rensselaer and McDintyre to Beg. <i>R-O-W to Jerome Heard by Mary Ann Rapp 6/13/1900 (9/30/1902)</i> Also: <i>R-O-W to Jermina Heard by Mary A. Sabey 6/13/1900 (11/22/1902)</i>	R-O-W for Middleton Mill water  Land conveyed by William Cassidy to John Vant
707	465	8/2/1921	9/10/1921	Vincenzo Manno, wife Vincenza and Gaetano Manno, wife Pearl	Charles F. Pond	\$1	Lots 5, 6, 7; 133 acres, 3 roods, 11 rods	City Albany/Town Watervliet, Albany Co.; W. branch Patroon Creek	Beg: Centre House Road, SW corner Middleton-Kirchner Farm Then: E along Road to SE corner Lot 7 Then: NE btw. Lots 7 and 8 to Albany Schenectady Railroad Then: NW along RR to NW corner of Lot 5 Then: SE along lands of Van Rensselaer and McDintyre to Beg. <i>R-O-W to Jerome Heard by Mary Ann Rapp 6/13/1900 (9/30/1902)</i> Also: <i>R-O-W to Jermina Heard by Mary A. Sabey 6/13/1900 (11/22/1902)</i>	R-O-W for Middleton Mill water  Land conveyed by William Cassidy to John Vant

624	414	10/15/1913		Maggie Ahl, widow of George	Vincenzo Manno and Gaeton Manno	\$2,300	Lots 5, 6, 7; 133 acres, 3 roods, 11 rods	City Albany/Town Watervliet, Albany Co.; W. branch Patroon Creek	Beg: Centre House Road, SW corner Middleton-Kichner Farm Then: E along Road to SE corner Lot 7 Then: NE btw. Lots 7 and 8 to Albany Schenectady Railroad Then: NW along RR to NW corner of Lot 5 Then: SE along lands of Van Rensselaer and McDintyre to Beg. Also: R-O-W to Jerome Heard by Mary Ann Rapp 6/13/1900 (9/30/1902) Also: R-O-W to Jermina Heard by Mary A. Sabey 6/13/1900 (11/22/1902)	R-O-W for Middleton Mill water  Land conveyed by William Cassidy to John Vant
552	407	1/7/1905		David A. Thompson (Executor) for Jermina Heard	George Ahl, wife Maggie	\$1,200	Lots 5, 6, 7; 133 acres, 3 roods, 11 rods	City Albany/Town Watervliet, Albany Co.; W. branch Patroon Creek	Beg: Centre House Road, SW corner Middleton-Kirchner Farm Then: E along road to SE corner of Lot 7 Then: NE btw. Lots 7 and 8 to Albany Schenectady Railroad Then: NW along RR to NW corner of Lot 5 Then: SE along lands of Van Rensselaer and McDintyre to Beg.	R-O-W for Middleton Mill water  Land conveyed by William Cassidy to John Vant
444	457	2/17/1893		A. Page Smith (Referee)  Dewitt C. Brougham (Plaintiff) foreclosure of Mortgage held by Kate and Annie LaGrange (28/50 and 355/146)	Jermina Heard  Jermina Heard, Jane Heard, Jane Heard (widow), William Story (Defendants)	\$750	Lots 5, 6, 7; 133 acres, 3 roods, 11 rods	City Albany/Town Watervliet, Albany Co.; W. branch Patroon Creek	Beg: Centre House Road, SW corner Middleton-Kirchner Farm Then: E along road to SE corner of Lot 7 Then: NE btw. Lots 7 and 8 to Albany Schenectady Railroad Then: NW along RR to NW corner of Lot 5 Then: SE along lands of Van Rensselaer and McDintyre to Beg.	R-O-W for Middleton Mill water  Land conveyed by William Cassidy to John Vant
371	53	7/5/1878	1/23/1886	Mary Coughtry  \$800 Mortgage held by Ellen Jane George and Margaretta S. Russell (Mortgages 129/108)	Thomas Heard	\$2,100	Lots 5, 6, 7; 133 acres, 3 roods, 11 rods	City Albany/Town Watervliet, Albany Co.; W. branch Patroon Creek	Beg: Centre House Road, SW corner Middleton Farm Then: E along road to SE corner of Lot 7 Then: NE btw. Lots 7 and 8 to Albany Schenectady Railroad Then: NW along RR to NW corner of Lot 5 Then: SE along lands of Van Rensselaer and McDintyre to Beg.	R-O-W for Middleton Mill water  Land conveyed by William Cassidy to John Vant
306	472	1/4/1878	4/11/1878	DeWitt C. Jones  \$800 Mortgage held by Ellen Jane George and Margaretta S. Russell (Mortgages 129/108)	Mary Coughtry	\$3,500	Lots 5, 6, 7; 133 acres, 3 roods, 11 rods	City Albany/Town Watervliet, Albany Co.; W. branch Patroon Creek	Beg: Centre House Road, SW corner Middleton Farm Then: E along road to SE corner of Lot 7 Then: NE btw. Lots 7 and 8 to Albany Schenectady Railroad Then: NW along RR to NW corner of Lot 5 Then: SE along lands of Van Rensselaer and McDintyre to Beg.	R-O-W for Middleton Mill water  Land conveyed by William Cassidy to John Vant

291	254	8/12/1875	3/15/1876	Clinton S. Hayne	DeWitt C. Jones	\$800	Lots 5, 6, 7; 133 acres, 3 roods, 11 rods	City Albany/Town Watervliet, Albany Co.; W. branch Patroon Creek	Beg: Centre House Road, SW corner Middleton Farm Then: E along road to SE corner of Lot 7 Then: NE btw. Lots 7 and 8 to Albany Schenectady Railroad Then: NW along RR to NW corner of Lot 5 Then: SE along lands of Van Rensselaer and McDIntyre to Beg.	R-O-W for Middleton Mill water  Land conveyed by William Cassidy to John Vant
281	195	1/28/1875	4/1/1875	DeWitt C. Jones	Clinton S. Hayne	\$800	Lots 5, 6, 7; 133 acres, 3 roods, 11 rods	City Albany/Town Watervliet, Albany Co.; W. branch Patroon Creek	Beg: Centre House Road, SW corner Middleton Farm Then: E along road to SE corner of Lot 7 Then: NE btw. Lots 7 and 8 to Albany Schenectady Railroad Then: NW along RR to NW corner of Lot 5 Then: SE along lands of Van Rensselaer and McDIntyre to Beg.	R-O-W for Middleton Mill water  Land conveyed by William Cassidy to John Vant
278	511	1/2/1875	3/10/1875	Joseph Moran  \$2500 Mortgage held by Isaac Ladd	DeWitt C. Jones	\$800	Lots 5, 6, 7; 133 acres, 3 roods, 11 rods	City Albany/Town Watervliet, Albany Co.; W. branch Patroon Creek	Beg: Centre House Road, SW corner Middleton Farm Then: E along road to SE corner of Lot 7 Then: NE btw. Lots 7 and 8 to Albany Schenectady Railroad Then: NW along RR to NW corner of Lot 5 Then: SE along lands of Van Rensselaer and McDIntyre to Beg.	R-O-W for Middleton Mill water  Land conveyed by William Cassidy to John Vant
268	517	6/2/1874	6/8/1874	Isaac P. Ladd	Joseph Moran	\$4,800	Lots 5, 6, 7; 133 acres, 3 roods, 11 rods	City Albany/Town Watervliet, Albany Co.; W. branch Patroon Creek	Beg: Centre House Road, SW corner Middleton Farm Then: E along road to SE corner of Lot 7 Then: NE btw. Lots 7 and 8 to Albany Schenectady Railroad Then: NW along RR to NW corner of Lot 5 Then: SE along lands of Van Rensselaer and McDIntyre to Beg.	R-O-W for Middleton Mill water  Land conveyed by William Cassidy to John Vant
273	104	5/14/1874	5/16/1874	Thomas Morrow (Referee)  Isaac Ladd, wife Martha; Charles Martin, wife Sophia; George S. Carrington, wife Sarah; Nelson Newgeon, wife Frances; Josiah Wood; etal.	Isaac P. Ladd	\$4,562	Lots 5, 6, 7; 133 acres, 3 roods, 11 rods	City Albany/Town Watervliet, Albany Co.; W. branch Patroon Creek	Beg: Centre House Road, SW corner Middleton Farm Then: E along road to SE corner of Lot 7  Then: NE btw. Lots 7 and 8 to Albany Schenectady Railroad  Then: NW along RR to NW corner of Lot 5 Then: SE along lands of Van Rensselaer and McDIntyre to Beg.	R-O-W for Middleton Mill water  Land conveyed by William Cassidy to John Vant
249	131	2/23/1872	2/24/1872	George Downing, wife Sophia E.	Isaac P. Ladd	\$2,500	Lots 5, 6, 7; 133 acres, 3 roods, 11 rods	City Albany/Town Watervliet, Albany Co.; W. branch Patroon Creek	Beg: Centre House Road, SW corner Middleton Farm Then: E along Road to SE corner Lot 7 Then: NE btw. Lots 7 and 8 to Albany Schenectady Railroad Then: NW along RR to NW corner of Lot 5 Then: SE along lands of Van Rensselaer and McDIntyre to Beg.	R-O-W for Middleton Mill water  Land conveyed by William Cassidy to John Vant

176	224	11/12/1862	11/14/1862	Ellen Jane George, husband Thomas G.	George Downing	\$1,000	Lots 5, 6, 7; 133 acres, 3 rods, 11 rods	City Albany/Town Watervliet, Albany Co.; W. branch Patroon Creek	Beg: Centre House Road, SW corner Middleton Farm Then: E along Road to SE corner Lot 7 Then: NE btw. Lots 7 and 8 to Albany Schenectady Railroad Then: NW along RR to NW corner of Lot 5 Then: SE along lands of Van Rensselaer and McDintyre to Beg.	R-O-W for Middleton Mill water  Land conveyed by William Cassidy to John Vant
168	24	4/1/1861	4/1/1861	Albert D. Robinson, wife Helen F.	Ellen Jane George	\$2,000	Lots 5, 6, 7; 133 acres, 3 rods, 11 rods	City Albany/Town Watervliet, Albany Co.; W. branch Patroon Creek	Beg: Centre House Road, SW corner Middleton Farm Then: E along Road to SE corner Lot 7 Then: NE btw. Lots 7 and 8 to Albany Schenectady Railroad Then: NW along RR to NW corner of Lot 5 Then: SE along lands of Van Rensselaer and McDintyre to Beg.	R-O-W for Middleton Mill water  Land conveyed by William Cassidy to John Vant
143	319	3/10/1857	5/22/1857	Nathan G. King and Daniel Ketchum, wife Cordelia  Amended Deed (143/480) Mortgage due \$1,050 to Middleton  NOTE* King and Ketchum- Attorney Firm	William H. Gould	\$5,000	Lots 5 and 6; 99 acres	City Albany/Town Watervliet, Albany Co.; W. branch Patroon Creek	Beg: Centre House Road, SW corner Vant farm Then: SW to SW corner Lot 7 Then: NW along McDintyre to Central Railroad Then: E along RR to NW corner of J. Vant Farm Then: S along J. Vant to beg.	
143	8	8/16/1856	10/16/1856	Bartholomew S. DeForest, wife Elizabeth  Mortgage to Timothy VanSchaack	Nathan G. King and Daniel Ketchum	600 acres in Iowa (valued \$3,000)	Lots 5 and 6; 94 acres	City Albany/Town Watervliet, Albany Co.; W. branch Patroon Creek	Beg: Centre House Road, SW corner Vant farm Then: SW to SW corner Lot 7 Then: NW along McDintyre to Central Railroad Then: E along RR to NW corner of J. Vant Farm Then: S along J. Vant to beg.	
130	385	3/21/1855	3/24/1855	William Cassidy, wife Jane Ann  Mortgage held by Middleton (Mortgages 85/236)	Bartholomew S. DeForest	\$1,770	Lots 5 and 6; 94 acres	City Albany/Town Watervliet, Albany Co.; W. branch Patroon Creek	Beg: Centre House Road, SW corner Vant farm Then: SW to SW corner Lot 7 Then: NW along McDintyre to Albany Schenectady Railroad Then: E along RR to NW corner of J. Vant Farm Then: S along J. Vant to beg.	

120	149	11/12/1852	11/23/1852	William Turner, wife Elisa  Mortgage by Turner to Middleton 5/15/1852 (Mortgages 85/236)	William M. Cassidy	\$650	equal, undivided half part of Lots 5, 6, 7	City Albany/Town Watervliet, Albany Co.; W. branch Patroon Creek	Beg: Centre House Road, SW corner Middleton Farm  Then: SE along road to SE corner of Lot 7  Then: NE btw. Lots 7 and 8 to Albany Schenectady Railroad  Then: NW along RR to NW corner of Lot 5  Then: SE along lands of Van Rensselaer and McDIntyre to Beg.	R-O-W for Middleton Mill water
116	451	5/15/1852	6/28/1852	Richard Middleton	William M. Cassidy and William Turner	\$2,080	Lots 5, 6, 7; 133 acres, 3 roods, 11 rods	City Albany/Town Watervliet, Albany Co.; W. branch Patroon Creek	Beg: Centre House Road, SW corner Middleton Farm  Then: E along road to SE corner of Lot 7 Then: NE btw. Lots 7 and 8 to Albany Schenectady Railroad Then: NW along RR to NW corner of Lot 5 Then: SE along lands of Van Rensselaer and McDIntyre to Beg.	R-O-W for Middleton Mill water
110	277	12/24/1850	1/16/1851	Stephen Van Rensselaer  Release of Mortgage and assigning of R-O-W	Richard Middleton, wife Catherine	\$1	Lots 5, 6, 7; 133 acres, 3 roods, 11 rods	City Albany/Town Watervliet, Albany Co.; W. branch Patroon Creek	Beg: Centre House Road, SW corner Middleton Farm  Then: SE along road to SE corner of Lot 7 Then: NE btw. Lots 7 and 8 to Albany Schenectady Railroad Then: NW along RR to NW corner of Lot 5 Then: SE along lands of Van Rensselaer and McDIntyre to Beg.	R-O-W for Middleton Mill water
106	421	4/1/1850	08/14/1850	Stephen Van Rensselaer, wife Harriet	Richard Middleton, wife Catherine	\$3,194.14	255 acres, 2 roods, 5 perches	City Albany/Town Watervliet, Albany Co.; W. branch Patroon Creek	Beg: SW side Albany Schenectady Railroad (N corner Benjamin VanAern- 11/18/1848)  Then: SW to NW corner of same. Then: NW to Center of Old State Road Then: NE through Old State Road and Center House Road Then: NW to Albany Schenectady Railroad Then: SE to Beg.	R-O-W for Mill Water

Table 3: Soil Strata Definitions for the J. Vant Historic Site- Loci A and B

LOCUS A					
Unit	Stratum 1	Stratum 2	Stratum 3	Stratum 4	Stratum 5
1	1	2	-	-	3
2	1	2	-	-	3
6	1	2	-	-	3
8	1	2	-	-	3
23	1	-	-	-	2
24	1	-	-	-	2
25	1	2	-	-	3
26	1	2	3	-	4
27	1	-	2	-	-
28	1	2	-	-	3
29	1	2	3	-	4
30	1	2	3	-	4
31	1	2	-	-	3
LOCUS B					
3	1	2	-	3	4
4	1	-	-	-	2
5	1	2	-	3	4
7	1	2	-	3	4
9	1	2	-	3	4
10	1	2	-	3	4
11	1	2	-	3	4
12	1	2	-	3	4
13	1	2	-	3	4
14	1	2	-	-	3, 4
15	1	2	-	3	4
16	1	2	-	3	4
17	1	2	-	3	4
18	1	2	-	3	4
19	1	2	-	3	4
20	1	2	-	-	3
21	1	2	-	3	4
22	1	2	-	3	4

Key					
Stratum 1	Topsoil- Locus A	10YR 3/3	Silty Sand		
	Topsoil- Locus B	10YR 3/2	Silty Sand		
Stratum 2	Intermediate- Locus A	10YR 2/1	Sandy Humus		
	Intermediate- Locus A	10YR 4/4	Silty Sand		
	Intermediate- Locus A	10YR 3/3	Silty Sand		
	Intermediate- Locus A	10YR 3/6	Silty Sand		
Stratum 3	Cellar Hole (Feature 6)	10YR 5/4	Sand		
		10YR 7/1	Ash Sand		
		5YR 4/6	Sand		
		10YR 4/4	Loamy Sand		
Stratum 4	Interior Structure Surface (Feature 7)	10YR 2/1	Charred Organics		
		10YR 3/3	Silty Sand		
Stratum 5	Subsoil	10YR 5/6	Sand		



STP #	Coordinates	Level	Domestic Artifacts								Building Materials					Subtotals			
			Utility Ceramics (Redware, Stoneware, Yellowware)	Table Ceramics (Whiteware, Pearlware)	Bottle Glass	Vessel Glass	Bone and Shell	Personal/Clothing	Other	Brick Fragments	Cut Nails and Fragments	Window Glass	Wire	Unidentified Metal	Other	Domestic	Building Materials	Totals	
277	S10 W15	1	1		2												3	0	3
279	S10 W5	1			1				pipe bowl	can frags							1	0	1
280	S10 E0	1		1					1	2				8	8		4	16	20
281	S10 E5	1		1	1									2			2	2	4
282	S10 E10	2	2	4	1	1	8		pipe stem					13	7		16	22	38
300	S15 W30	1	1											4			1	0	1
304	S15 W10	1												4			0	4	4
305	S15 W5	1		4										2			4	2	6
306	S15 E0	1		1			1										2	0	2
307	S15 E5	1		6			2						6				8	7	15
308	S15 E10	2		15			2		1 pipe stem, 2 glass buttons, 1 copper button	chimney glass				30	1	3	25	36	61
309	S15 E15	2		1			1		pipe stem	gun shells				2	1		8	4	12
310	S15 E20	1								5							1	0	1
324	S20 W30	1															0	1	1
327	S20 W15	1		1													1	1	2
330	S20 E0	1		13													14	4	18
331	S20 E5	1		1										1	1		1	2	3
332	S20 E10	2												5	1		0	9	9
333	S20 E15	1	1	2					pipe stem								4	1	5
335	S20 E25	1		1			1										2	0	2
347	S25 W30	1	7														7	0	7
352	S25 W5	1		1	1	1											3	0	3
354	S25 E5	2							pipe bowl					1	1		1	2	3
358	S25 E25	1															1	0	1



Table 5: Features Identified within the J. Vant Historic Site- Loci A and B

Feature	Unit(s) / STP	Level	Description	Precontact Artifact Total	Domestic Artifact Total	Building Material Total	Totals
<b>Locus A</b>							
3	1, 6, 8	2	Trash midden	2	930	978	1910
5	23 / 399	3 and 4	Burn pit	0	0	0	0
6	26, 27, 28, 29, 30	2, 3	Cellar hole	0	361	1483	1844
<b>Locus B</b>							
1	3, 11 / 117	2, 3	Burned pit	0	12	18	30
2	7, 9, 11	3, 4	L-shaped grayish soil deposit	0	9	31	40
4	15, 19	3, 4	Oblong grayish soil deposit	0	7	17	24
7	3, 5, 7, 9 through 21	3	Interior Structure Surface	NA	NA	NA	NA
<b>Feature Artifact Totals</b>				2	1319	2527	3848







Table 7: Mean Date for Ceramics Recovered from the J. Vant Historic Site- Locus A

Ceramic Type	Ceramic Subtype	Number	Manufacture Date Range	Mean Manufacture Date	Product	
<b>Utilitarian Wares</b>						
Redware	unglazed	50			91250	
	lead glazed	1	1750-1900	1825	1825	
	flower pot	4			7300	
Salt-glazed Stoneware	undecorated	6			11178	
	Albany slip	20	1805-1920	1863	37260	
	black glaze	1			1863	
19th-century Yellowware	undecorated	3			5655	
	slip-decorated polychrome, blue with white	3	1830-1920	1885	5655	
<b>Total Utilitarian Wares</b>		<b>88</b>	<b>9.90%</b>			
<b>Table Wares</b>						
White-bodied	plain	4	1780-1900	1840	7360	
	<b>Total White-bodied</b>	<b>4</b>	<b>0.45%</b>			
Whiteware	plain	704	1805-1900	1853	1304512	
	decorated- blue, brown, green	6	1805-1900	1853	11118	
	hand-painted underglaze	red	3	1805-1830	1818	5454
		polychrome	14	1805-1830	1818	25452
	edge-decorated- feather, shell, molded	blue	24	1805-1835	1820	43680
		black	14	1830-1850	1840	25760
	transfer-printed	brown	1	1830-1850	1840	1840
		red	1	1830-1850	1840	1840
		light blue	18	1830-1860	1845	33210
	sponged flow blue	green	1	1830-1860	1845	1845
			6	1840-1860	1850	11100
			5	1844-1860	1852	9260
	<b>Total Whiteware</b>		<b>797</b>	<b>89.65%</b>		
	<b>Totals</b>		<b>889</b>			<b>1644417</b>
	<b>Mean Ceramic Date</b>		<b>1850</b>			

Table 8: Artifacts from the J. Vant Historic Site- Locus B Shovel Tests

STP #	Coordinates	Level	Domestic Artifacts					Building Materials						Subtotals			Totals			
			Utilitarian Ceramics (Stoneware, Redware, Yellowware)	Table Ceramics (WhiteWare)	Vessel Glass	Bone	Brck Fragments	Pantiles	Cut Nails and Nail Fragments	Window Glass	Unidentified Metal	Other glass/ metal	Precontact	Precontact	Precontact	Domestic		Building Materials		
221	N0 W55	1								1			7		1			0	9	9
240	S5 W75	1																		6
243	S6 W60	1			1															1
265	S10 W75	1																		7
288	S15 W90	1				1														1
289	S15 W85	1	4																	4
290	S15 W80	1																		4
291	S15 W75	1	1																	1
293	S15 W65	1			1															7
294	S15 W60	1						1												3
295	S15 W55	1		2																2
315	S20 W85	1				3														4
316	S20 W80	1	1																	1
345	S25 W50	1		1																1
445	S4 W75	1																		1
447	S5 W74	2						1												10
448	S6 W75	1								1										2
<b>Totals</b>			6	3	2	4	2	28	4	2	2	4	9	1	1	15	46	62		
<b>Percent</b>			40.00%	20.00%	13.33%	26.67%	4.35%	60.87%	8.70%	19.57%	2.17%	100.00%	1.61%	24.19%	74.19%	100.00%				





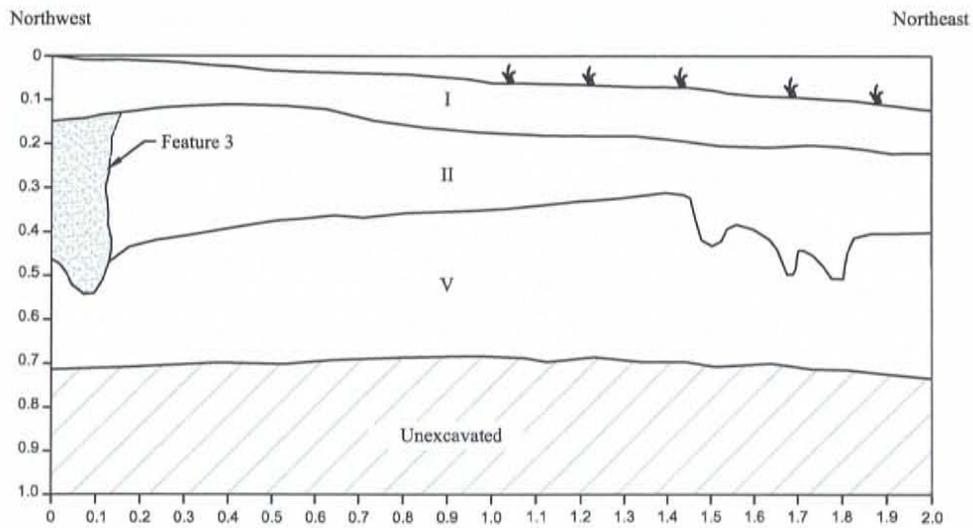


Table 10: Mean Date for Ceramics Recovered from the J. Vant Historic Site- Locus B

Ceramic Type	Ceramic Subtype	Number	Manufacture Date Range	Mean Manufacture Date	Product	
<b>Utilitarian Wares</b>						
Redware	unglazed	3			5475	
	lead glazed	1	1750-1900	1825	1825	
	blue glazed	1			1825	
Salt-glazed Stoneware	undecorated	5			9315	
	Albany slip	2	1805-1920	1863	3726	
	black glaze	3			5589	
19th-century Yellowware		2	1830-1920	1885	3770	
<b>Total Utilitarian Wares 17 34.00%</b>						
<b>Table Wares</b>						
White-bodied	plain	4	1780-1900	1840	7360	
			<b>Total White-bodied</b>	<b>4 8.00%</b>		
Whiteware	plain	14	1805-1900	1853	25942	
	decorated- blue, brown, green, black	1	1805-1900	1853	1853	
	edge decorated- feather, blue	1	1805-1835	1820	1820	
	shell, molded	1	1830-1860	1845	1845	
	transfer-printed with hand painting	1	1840-1860	1850	1850	
	sponged	2	1840-1860	1850	3700	
	flow blue	3	1844-1860	1852	5556	
			<b>Total Whiteware</b>	<b>23 46.00%</b>		
	Ironstone/Hard Paste	plain, molded decoration	4	1842-1930	1886	7544
	Porcelain	bone china, undecorated	2	1794-2005	1900	3800
		<b>Total Ironstone and Porcelain</b>	<b>6 12.00%</b>			
		<b>Totals</b>	<b>50</b>	<b>-</b>	<b>92795</b>	
		<b>Mean Ceramic Date</b>	<b>1856</b>			

## **Figures**

Phase II Archeological Investigation, Albany Landfill Expansion Alternative 4, City of Albany, New York



Stratum I: 10YR 3/2 Very Dark Grayish Brown Sandy Silt  
 Stratum II: 10YR 3/3 Dark Brown Fine Sandy Silt  
 Stratum V: 10YR 5/6 Yellowish Brown Sand: Subsoil  
 Feature 3: 10YR 3/3 Dark Brown Sandy Silt with charcoal and ash: Trash Midden

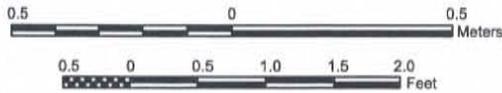


Figure 2

Locus A, Unit I, North Profile

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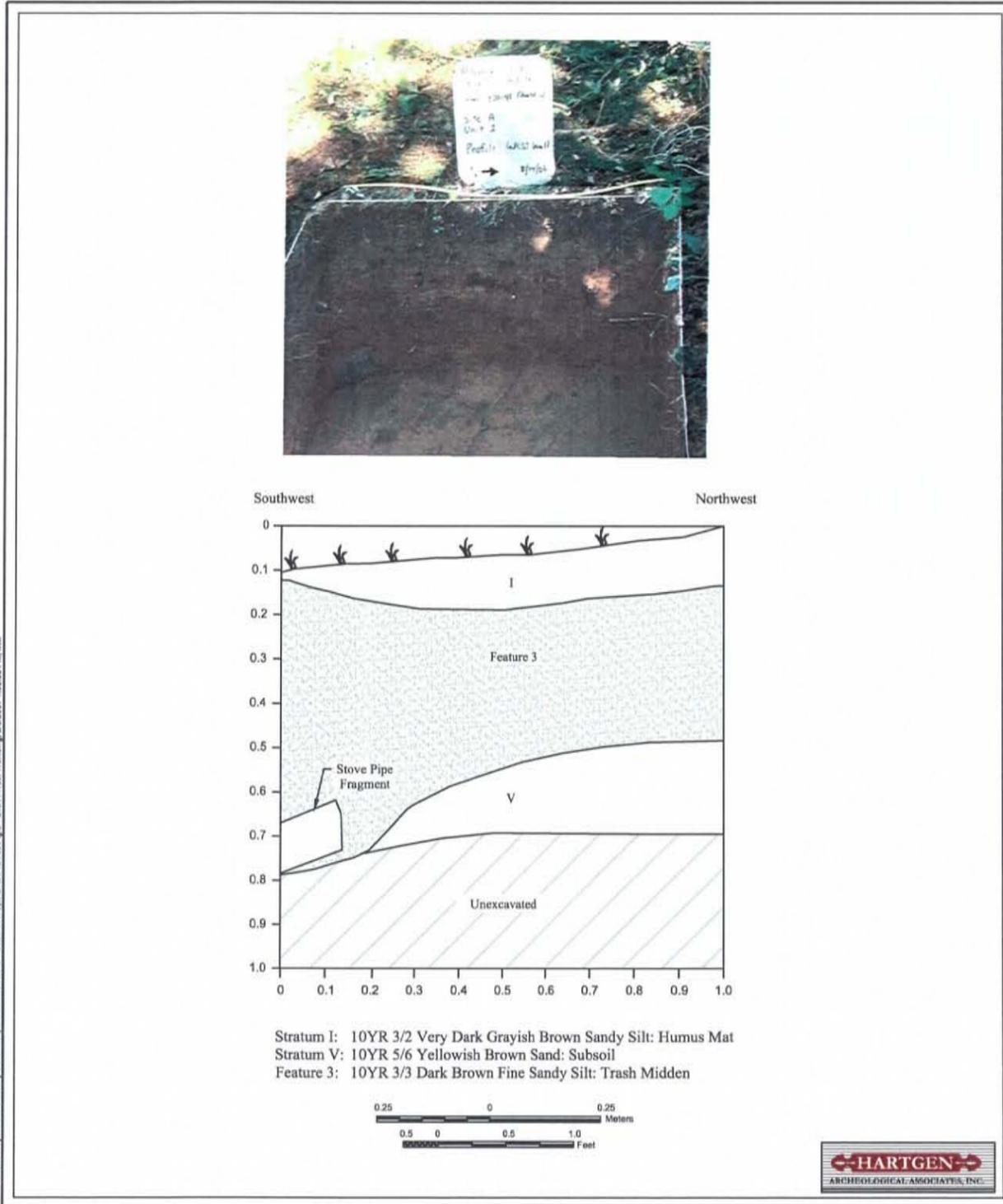
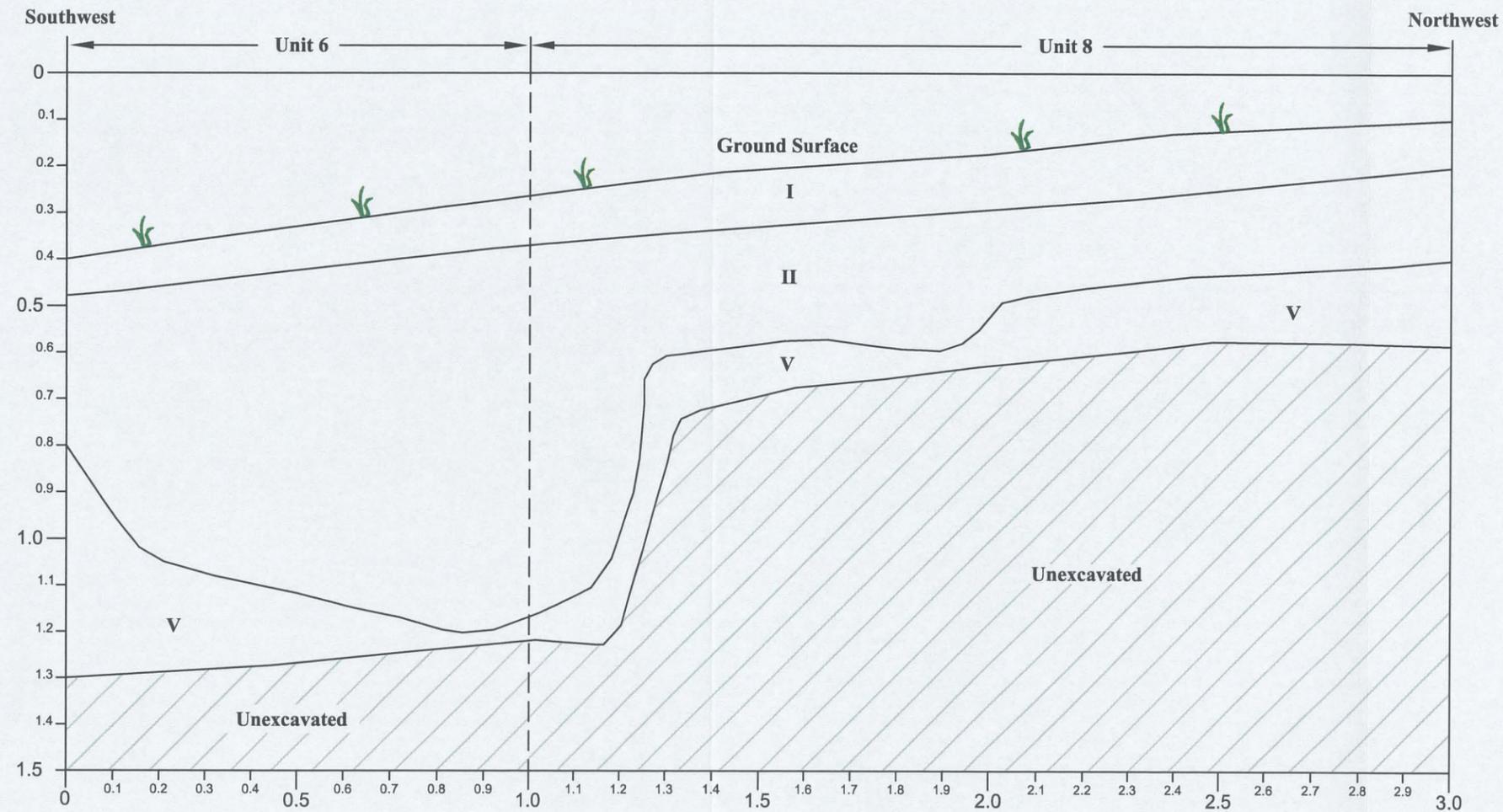


Figure 3

Locus A, Unit 1, West Profile



Stratum I: 10 YR 3/2 Very Dark Grayish Brown Silty Sand  
 Stratum II: 10 YR 3/3 Dark Brown Silty Sand  
 Stratum V: 10 YR 5/6 Yellowish Brown Sand

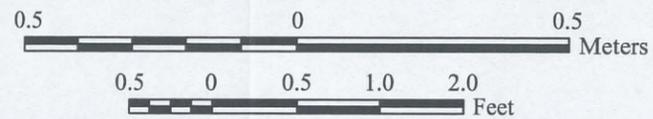
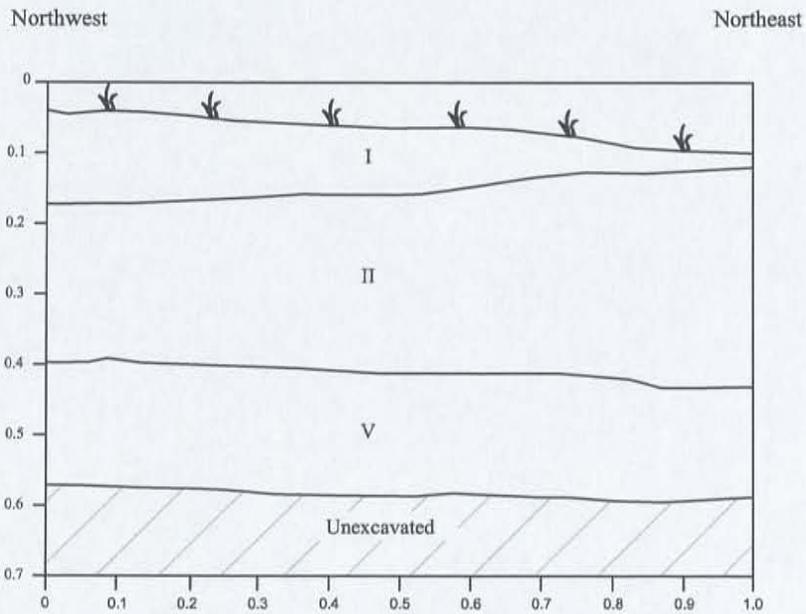


Figure 4

Locus A, Units 6 and 8, West Profile

R:\Active Projects\3839 Albany Landfill Expansion Alternative 4\3839-4\Map\CD\Profile\Fig. 4-Site A West Wall.dwg, 2/6/2007 4:05:52 PM, MM



Stratum I: 10YR 3/3 Dark Brown Fine Sand  
 Stratum II: 10YR 4/4 Yellowish Dark Brown Sand  
 Stratum V: 10YR 5/6 Yellowish Brown Sand

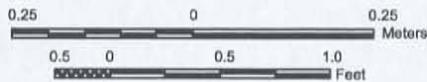


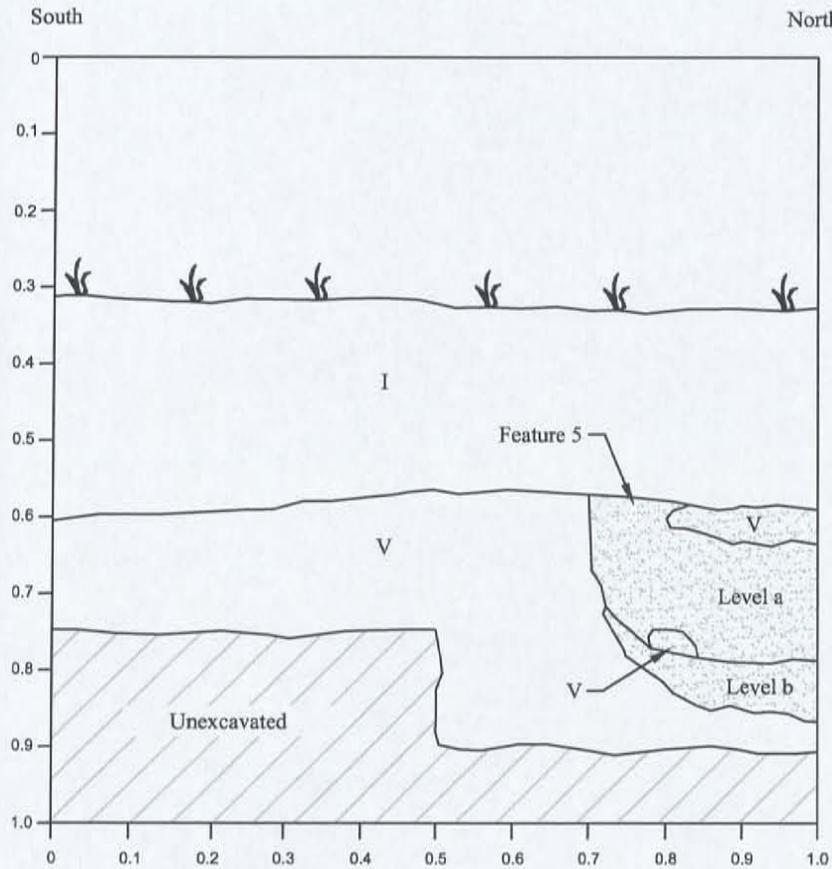
Figure 5

Locus A, Unit 2, North Profile

R:\Active Projects\SB30 Albany Landfill Expansion Alternative 4\SB30-41\Map\CAD\Profile\Fig 5-Site A\Loc.dwg, 2/6/2007 4:11:33 PM, MM

Phase II Archeological Investigation, Albany Landfill Expansion Alternative 4, City of Albany, New York

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- Stratum I: 10YR 3/2 Very Dark Grayish Brown Fine Silty Sand: Topsoil
- Stratum V: 10YR 5/6 Yellowish Brown Sand
- Level a: 10YR 4/2 Dark Grayish Brown Sand
- Level b: 10YR 7/1 Light Gray Sand with Ash
- Feature 5: Stratum V, Levels a and b: Burn Pit

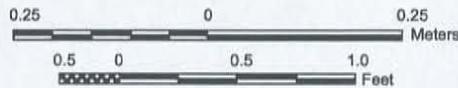


Figure 6

Locus A, Unit 23, West Profile

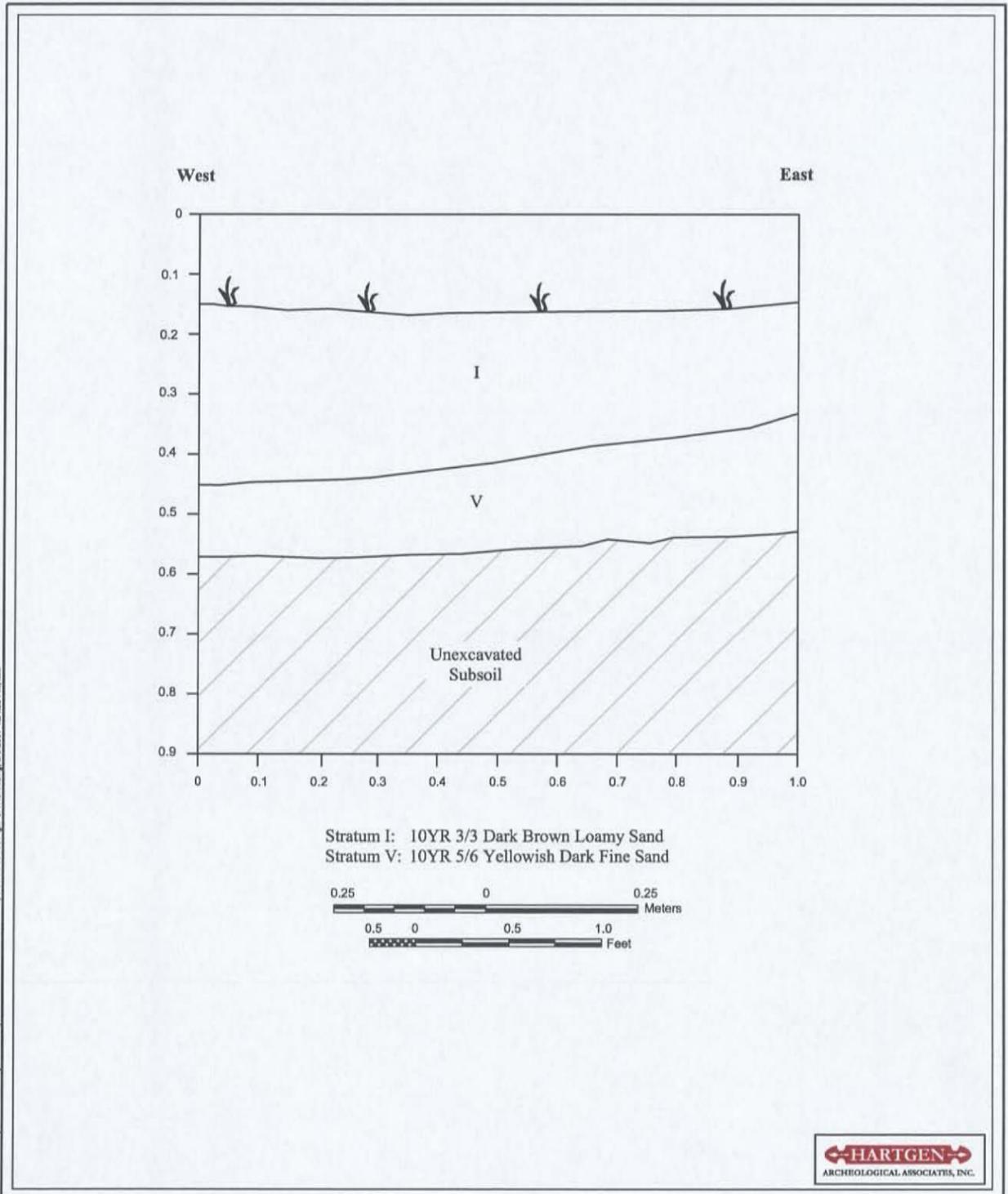
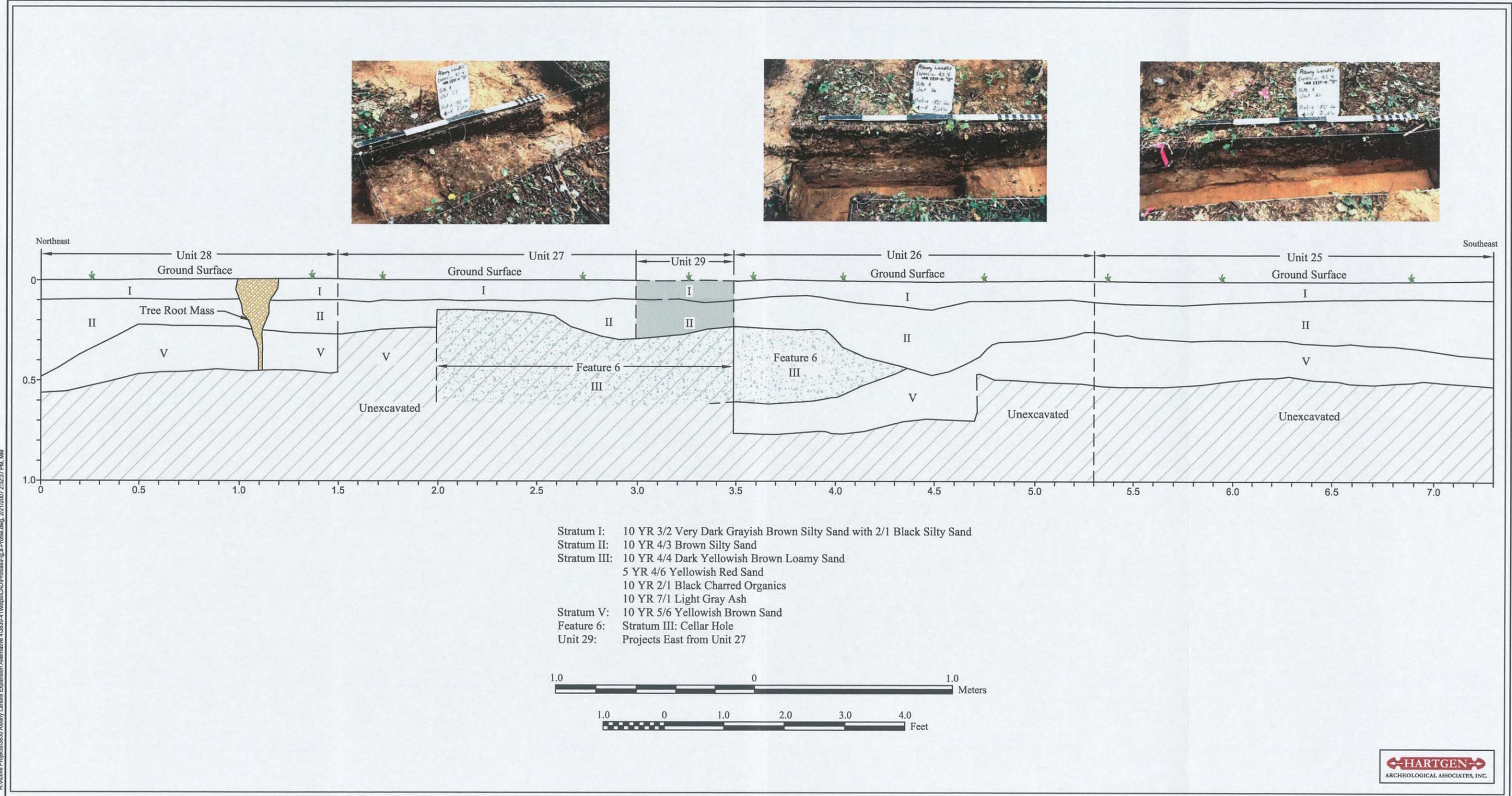


Figure 7

Locus A, Unit 24, North Profile

Phase II Archeological Investigation, Albany Landfill Expansion Alternative 4, City of Albany, New York

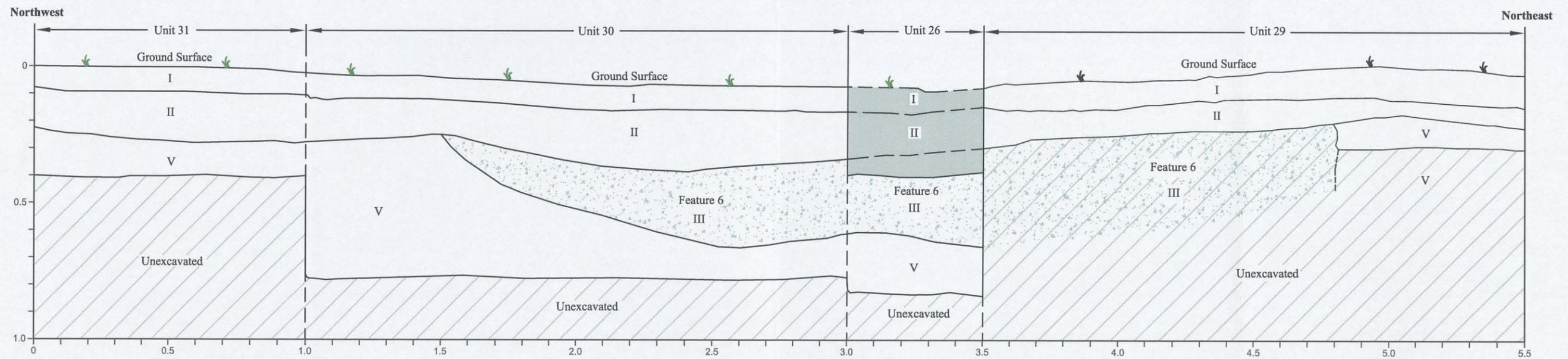


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Figure 8

Locus A, Units 25, 26, 27 and 28, East Profile



- Stratum I: 10 YR 2/1 Black Loamy Humus with 3/2 Very Dark Grayish Brown Silty Sand
- Stratum II: 10 YR 4/3 Brown Fine Sand
- Stratum III: 10 YR 4/4 Dark Yellowish Brown Loamy Sand  
5 YR 4/6 Yellowish Red Sand  
10 YR 2/1 Black Charred Organics  
10 YR 7/1 Light Gray Ash
- Stratum V: 10 YR 5/6 Yellowish Brown Silty Sand
- Feature 6: Stratum III: Cellar Hole
- Unit 26: Projects North

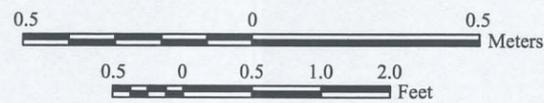


Figure 9

Locus A, Units 26, 29, 30 and 31, North Profile

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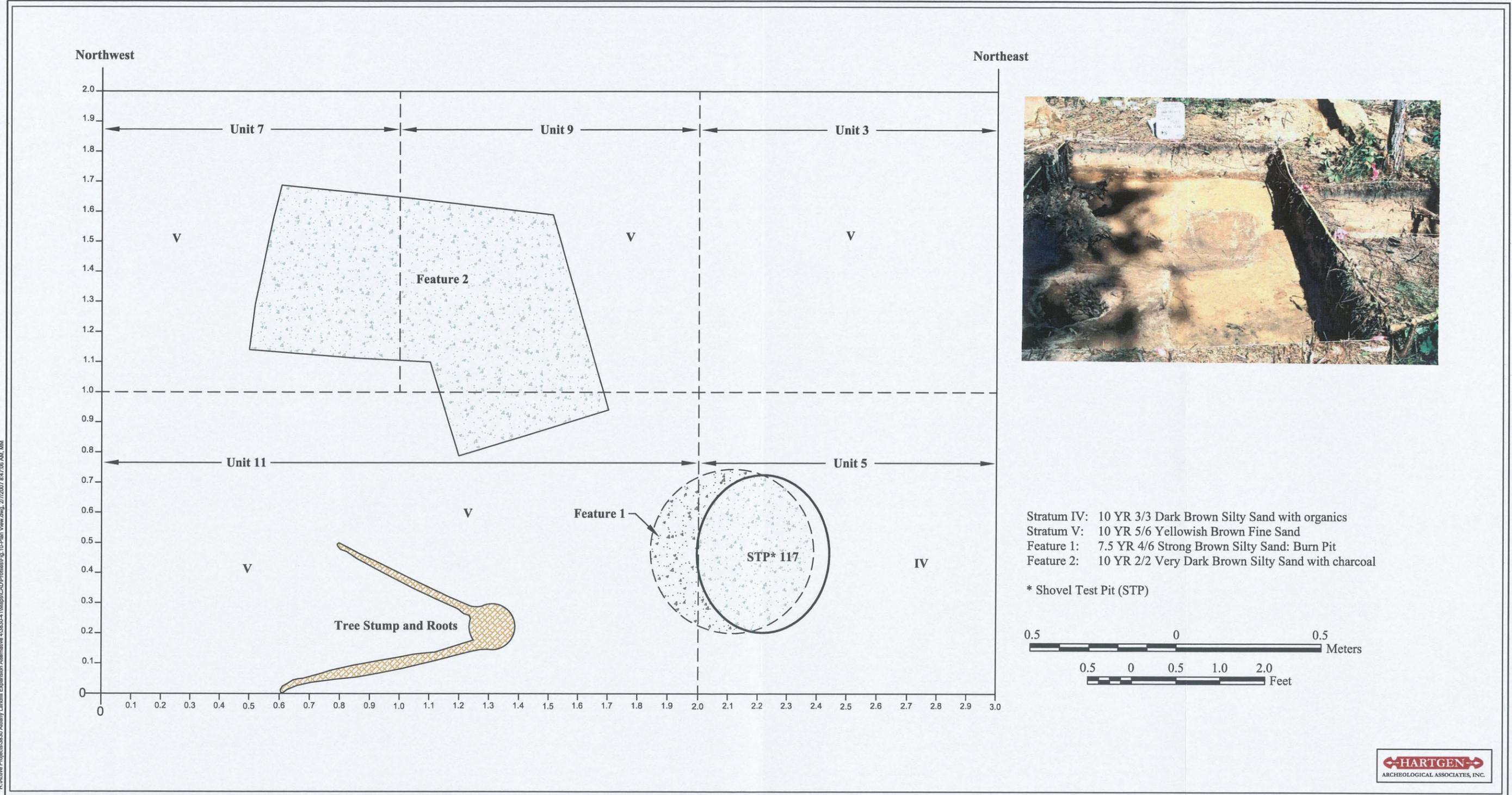
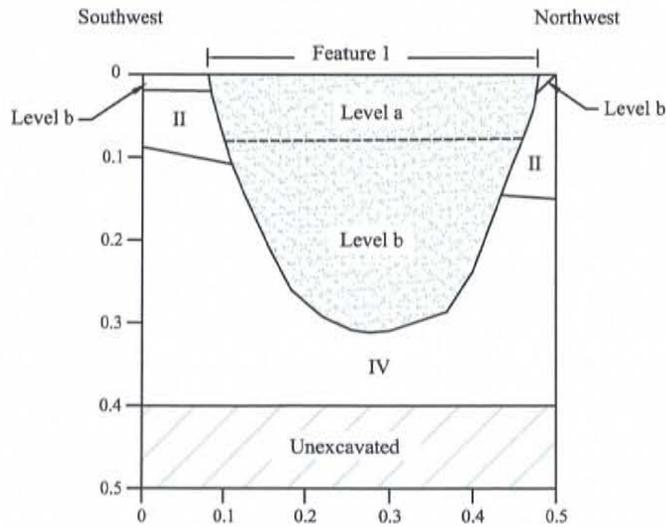


Figure 10

Locus B, Units 3, 5, 7, 9, and 11, Plan View

Phase II Archeological Investigation, Albany Landfill Expansion Alternative 4, City of Albany, New York



Stratum II: 10YR 3/6 Dark Yellowish Brown Silty Sand  
 Stratum IV: 10YR 3/3 Dark Brown Silty Sand  
 Level a: 7.5YR 4/6 Strong Brown Silty Sand  
 Level b: 10YR 2/1 Black Charcoal  
 Feature 1: Levels a and b: Burn Pit

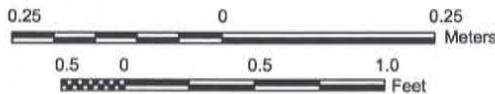


Figure 11

Locus B, Units 5 and 11, Feature 1, West Profile

Phase II Archeological Investigation, Albany Landfill Expansion Alternative 4, City of Albany, New York

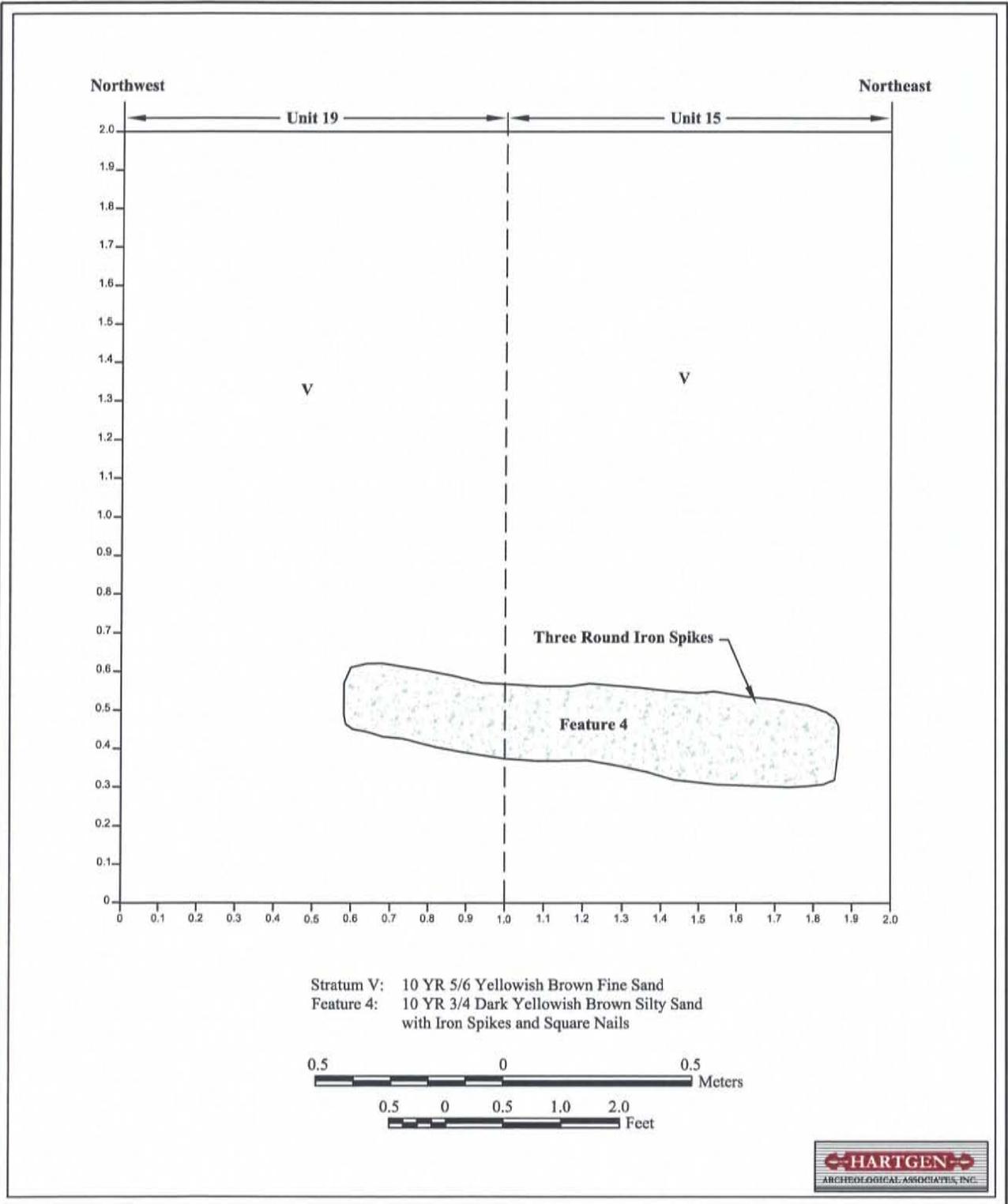


Figure 12

Locus B, Units 15 and 19, Plan View

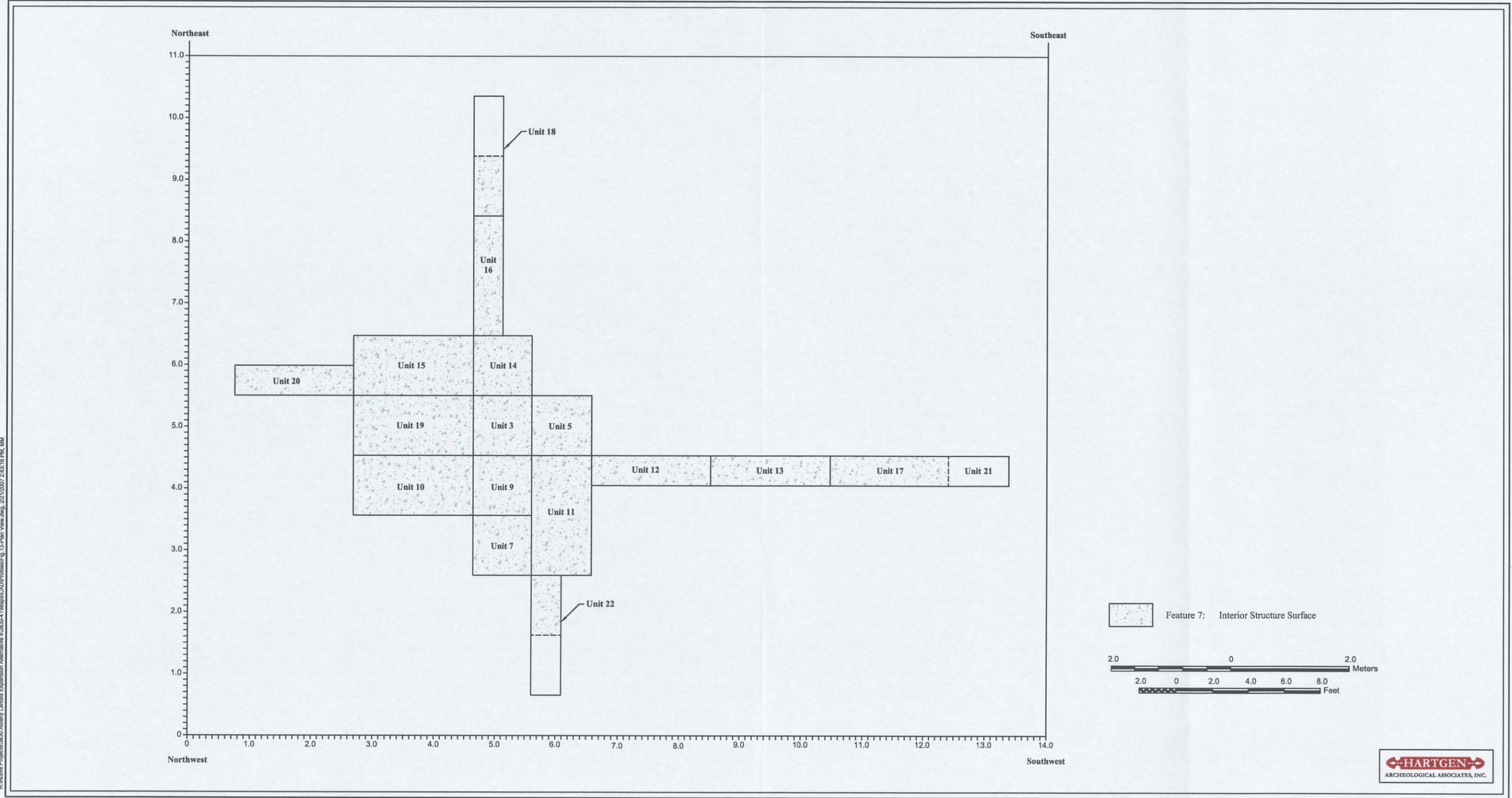
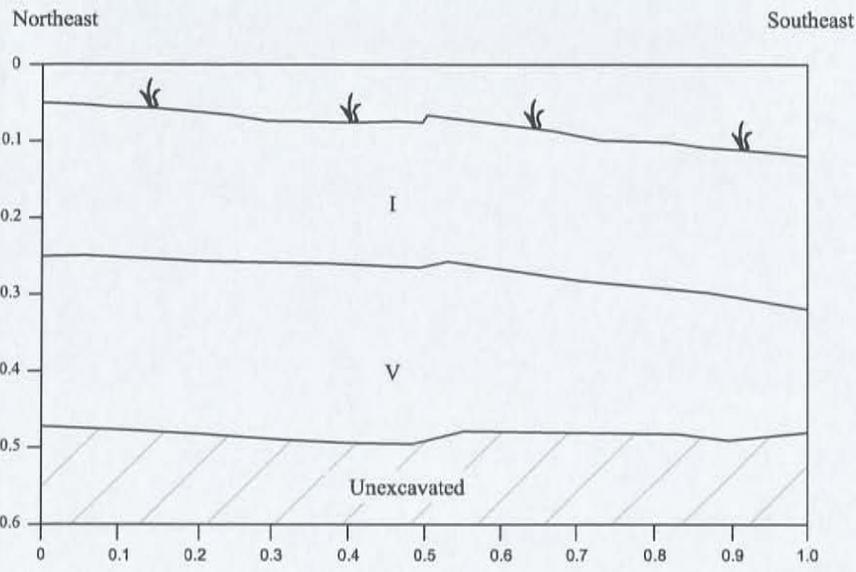


Figure 13

Locus B, Units 3, 5, 7, and 9 through 22, Feature 7 Plan View

Phase II Archeological Investigation, Albany Landfill Expansion Alternative 4, City of Albany, New York



Stratum I: 10YR 3/4 Dark Yellow Brown Loamy Sand  
 Stratum V: 10YR 5/6 Yellowish Brown Very Fine Sand

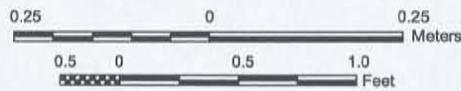
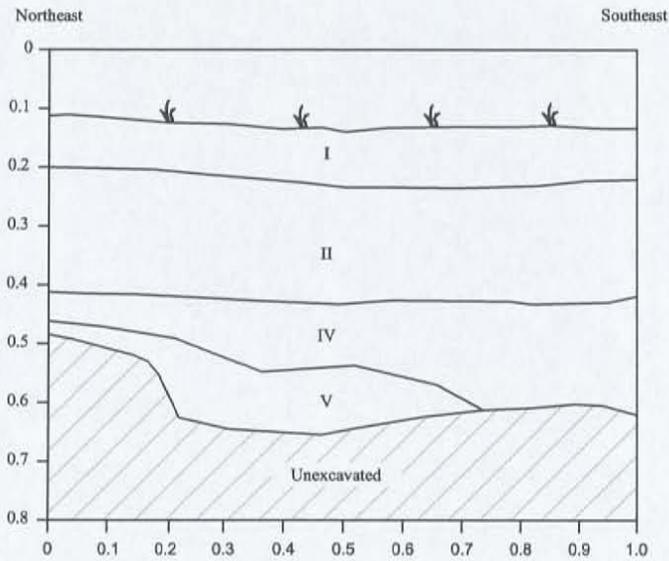


Figure 14

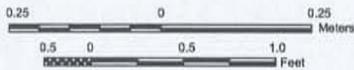
Locus B, Unit 4, East Profile

R:\Active Projects\3630 Albany Landfill Expansion Alternative 4\3830-41\Map\CAD\Profile\Fig. 14-Strat. B Unit 4.dwg, 5/24/2007 09:29:28, HB

Phase II Archeological Investigation, Albany Landfill Expansion Alternative 4, City of Albany, New York



- Stratum I: 10YR 2/1 Black Humus
- Stratum II: 10YR 5/4 Yellowish Brown Sand
- Stratum IV: 10YR 3/4 Dark Yellowish Brown Silty Sand:  
Interior Structure Surface (Feature 7)
- Stratum V: 10YR 5/6 Yellowish Brown Fine Sand



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Figure 15

Locus B, Unit 7, East Profile

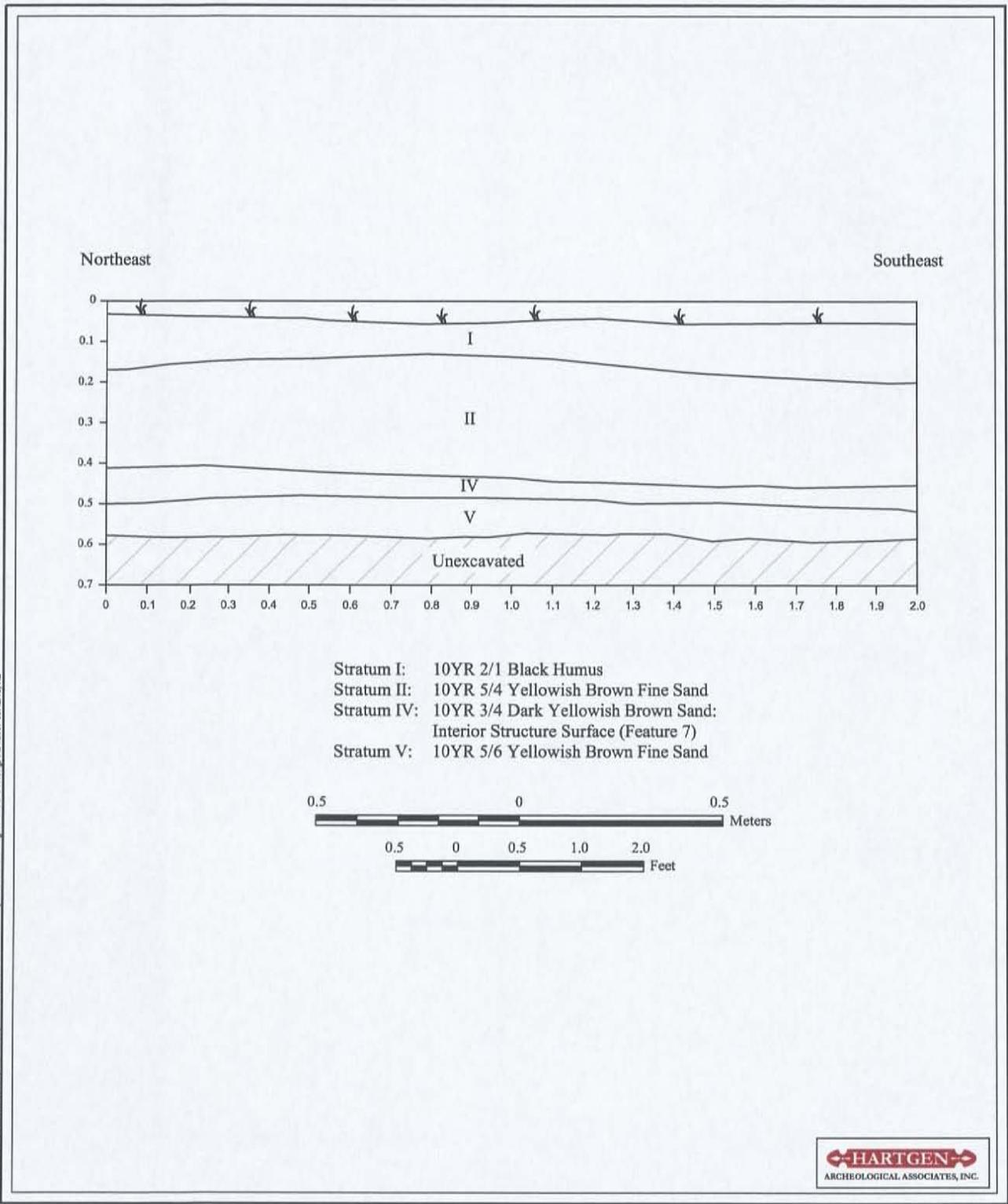
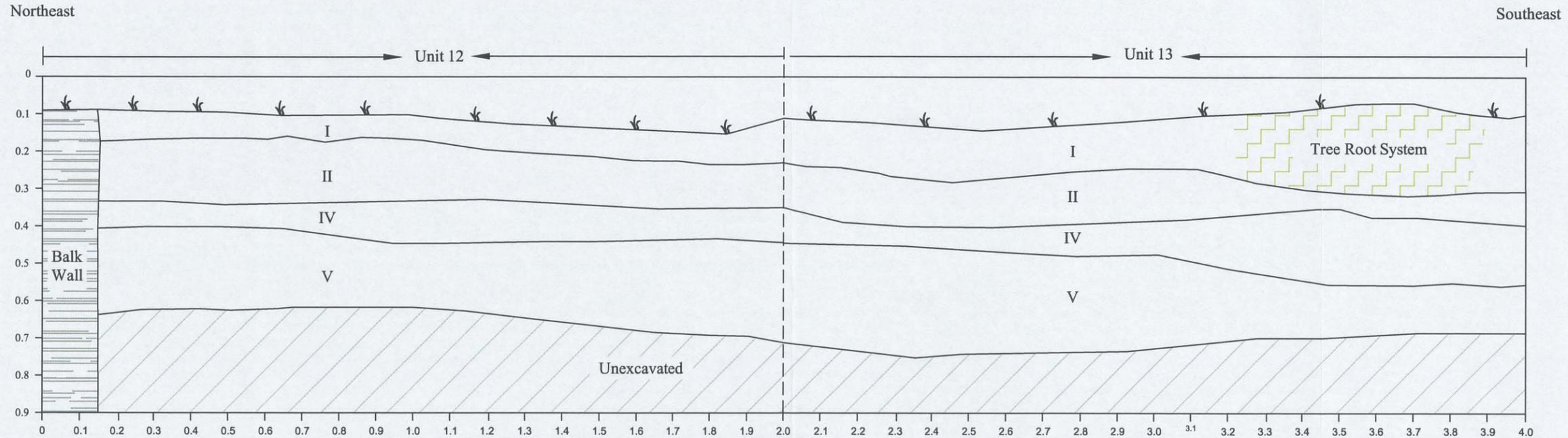


Figure 16

Locus B, Unit 10, East Profile

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- Stratum I: 10YR 2/1 Black Silty Sand, Root Mat
- Stratum II: 10YR 5/4 Yellowish Brown Fine Sand
- Stratum IV: 10YR 3/4 Dark Yellowish Brown Sand:  
Interior Structure Surface (Feature 7)
- Stratum V: 10YR 5/6 Yellowish Brown Fine Sand: Subsoil

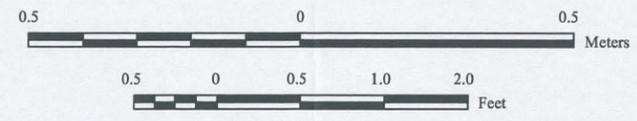
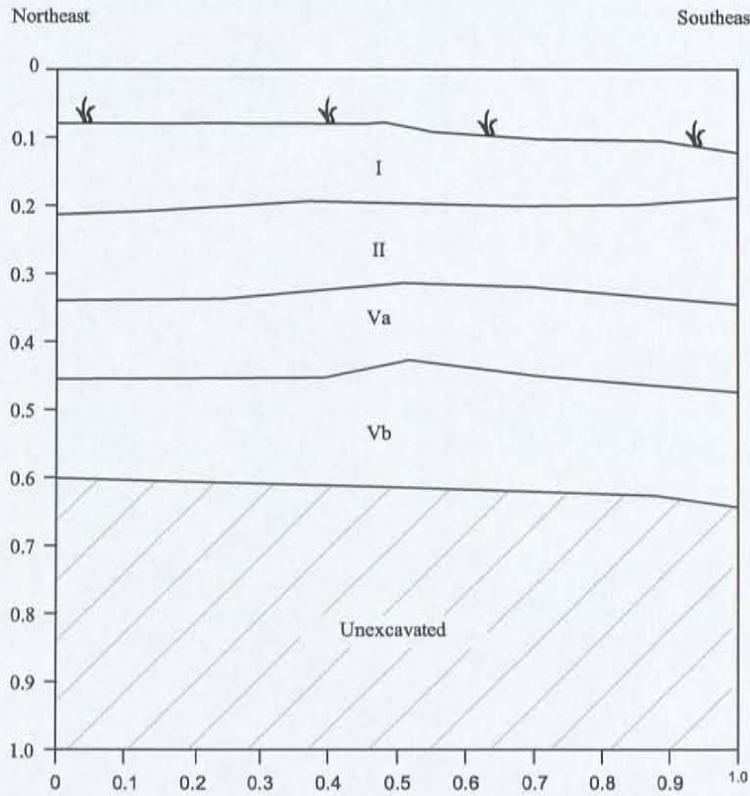


Figure 17

Locus B, Units 12 and 13, East Profile



Stratum I: 10YR 2/1 Black Silty Sandy Humus  
 Stratum II: 10YR 3/4 Dark Yellowish Brown Silty Sand  
 Stratum Va: 10YR 5/6 Yellowish Brown Sand  
 Stratum Vb: 10YR 6/6 Brownish Yellow Sand

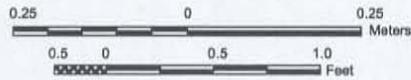
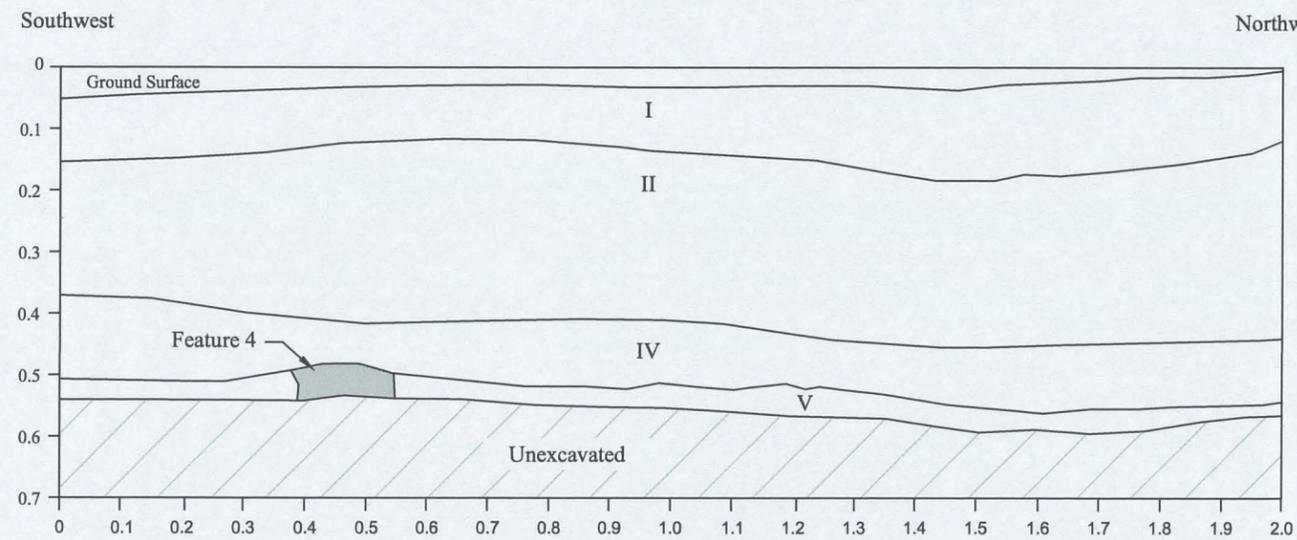


Figure 18

Locus B, Unit 14, East Profile



- Stratum I: 10YR 2/1 Black Silty Sandy Humus
- Stratum II: 10YR 5/4 Yellowish Brown Silty Sand
- Stratum IV: 10YR 3/4 Dark Yellowish Brown Silty Sand:  
Interior Structure Surface (Feature 7)
- Stratum V: 10YR 5/6 Yellowish Brown Fine Sand: Subsoil
- Feature 4: Stratum IV with Iron Spikes and Square Nails

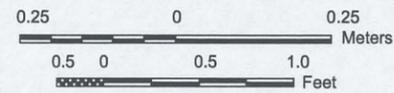
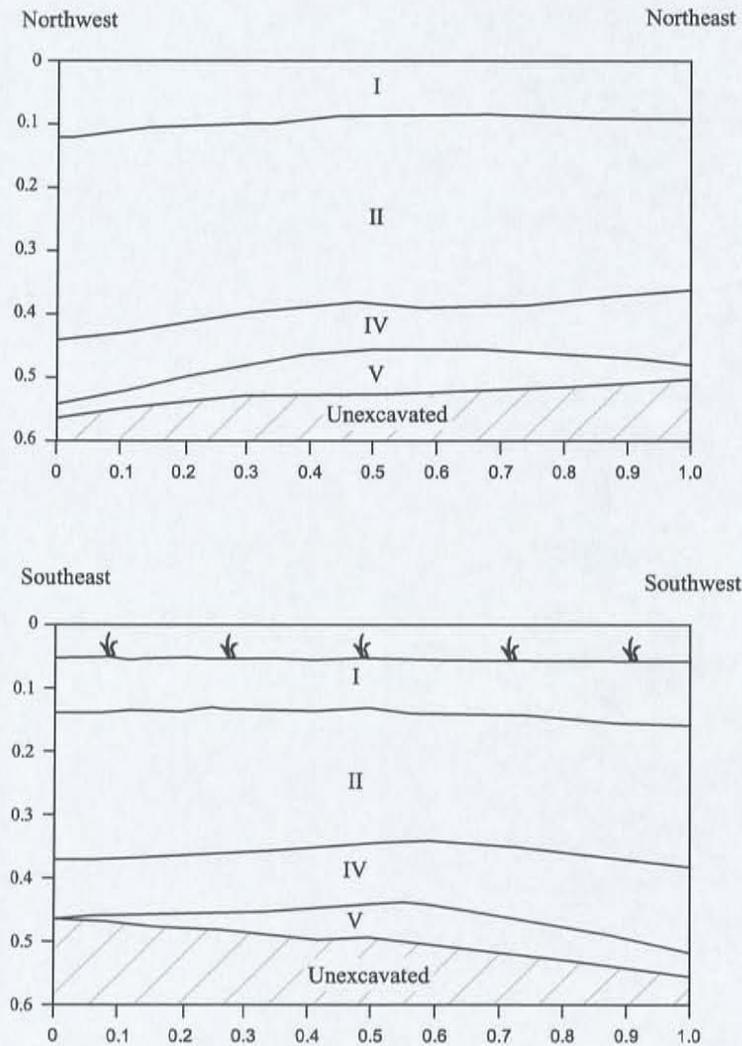


Figure 19  
Locus B, Unit 15, West Profile

Phase II Archeological Investigation, Albany Landfill Expansion Alternative 4, City of Albany, New York



- Stratum I: 10YR 2/2 Very Dark Brown Silty Sandy Humus
- Stratum II: 10YR 5/4 Yellowish Brown Silty Sand
- Stratum IV: 10YR 3/4 Dark Yellowish Brown Silty Sand:  
Interior Structure Surface (Feature 7)
- Stratum V: 10YR 5/6 Yellowish Brown Fine Sand: Subsoil

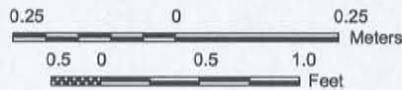


Figure 20

Locus B, Unit 15, North and South Profiles

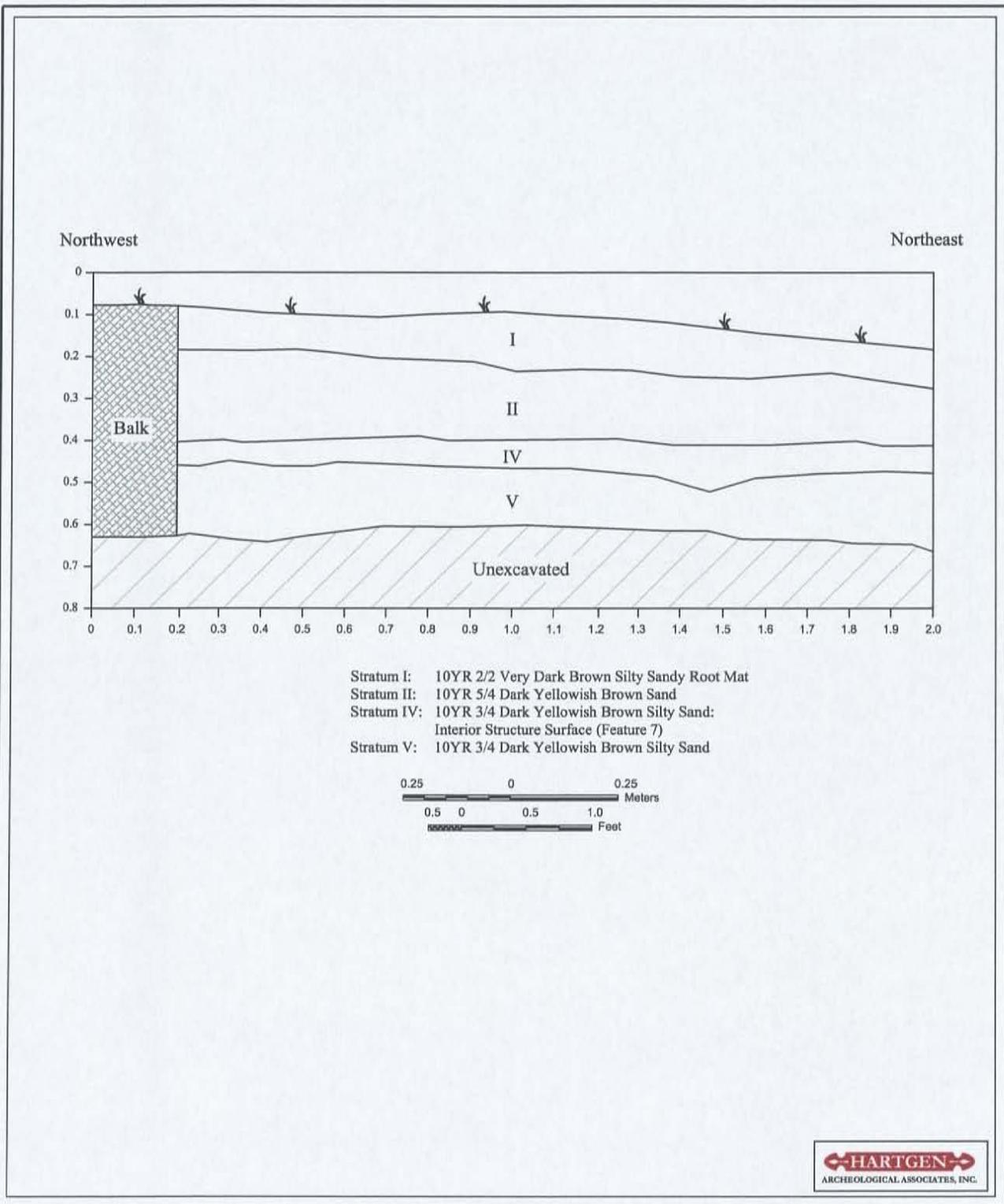


Figure 21

Locus B, Unit 16, North Profile

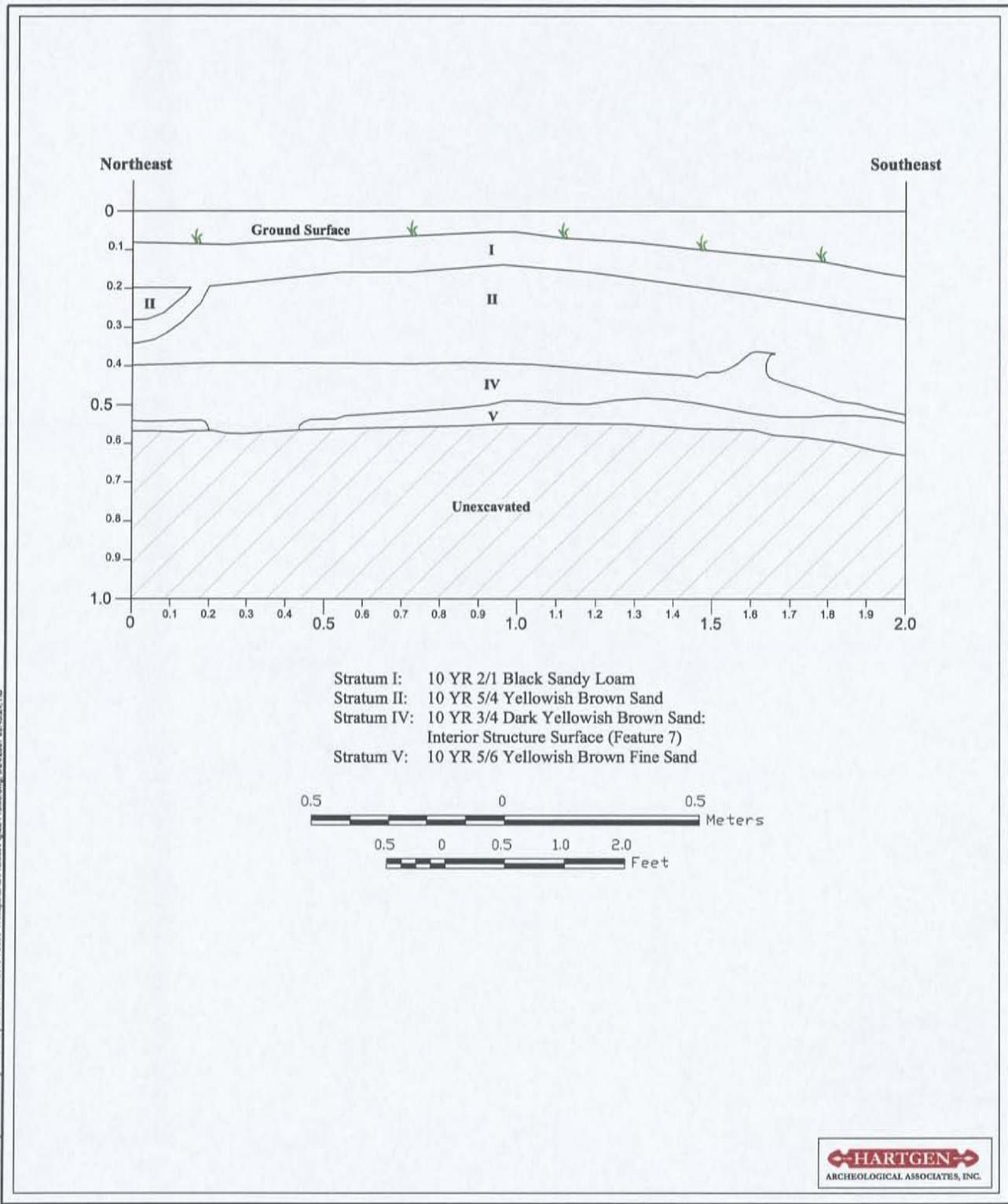


Figure 22

Locus B, Unit 17, East Profile

R:\Active Projects\3630 Albany Landfill Expansion Alternative 4\3630-41\Map\CAD\Profile\Fig 22 Profile.dwg, 5/24/2007 09:45:24 AM

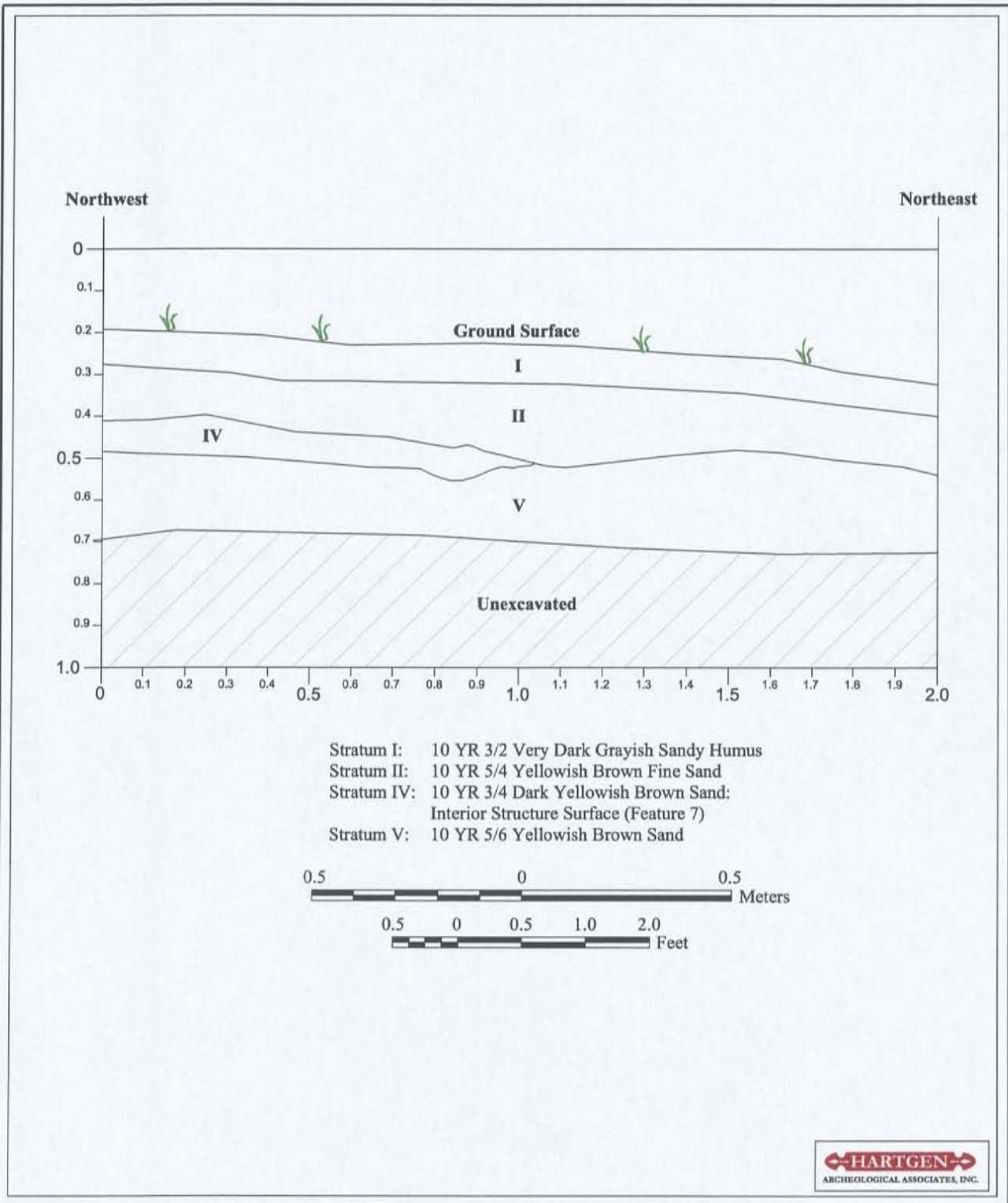
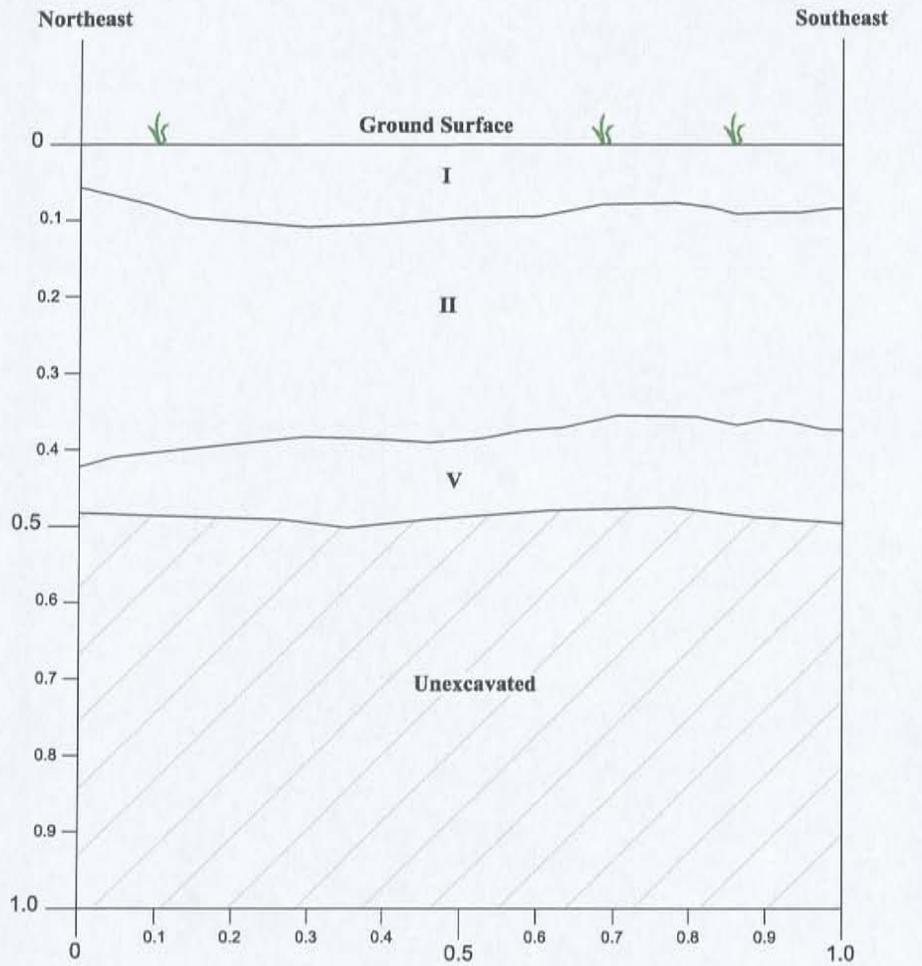


Figure 23

Locus B, Unit 18, North Profile



Stratum I: 10 YR 2/2 Very Dark Brown Silty Sand  
 Stratum II: 10 YR 5/4 Yellowish Brown Sand  
 Stratum V: 10 YR 5/6 Yellowish Brown Sand

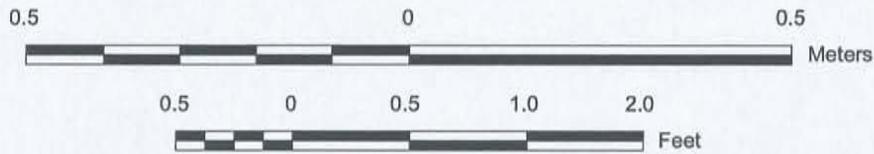


Figure 24

Locus B, Unit 21, East Profile

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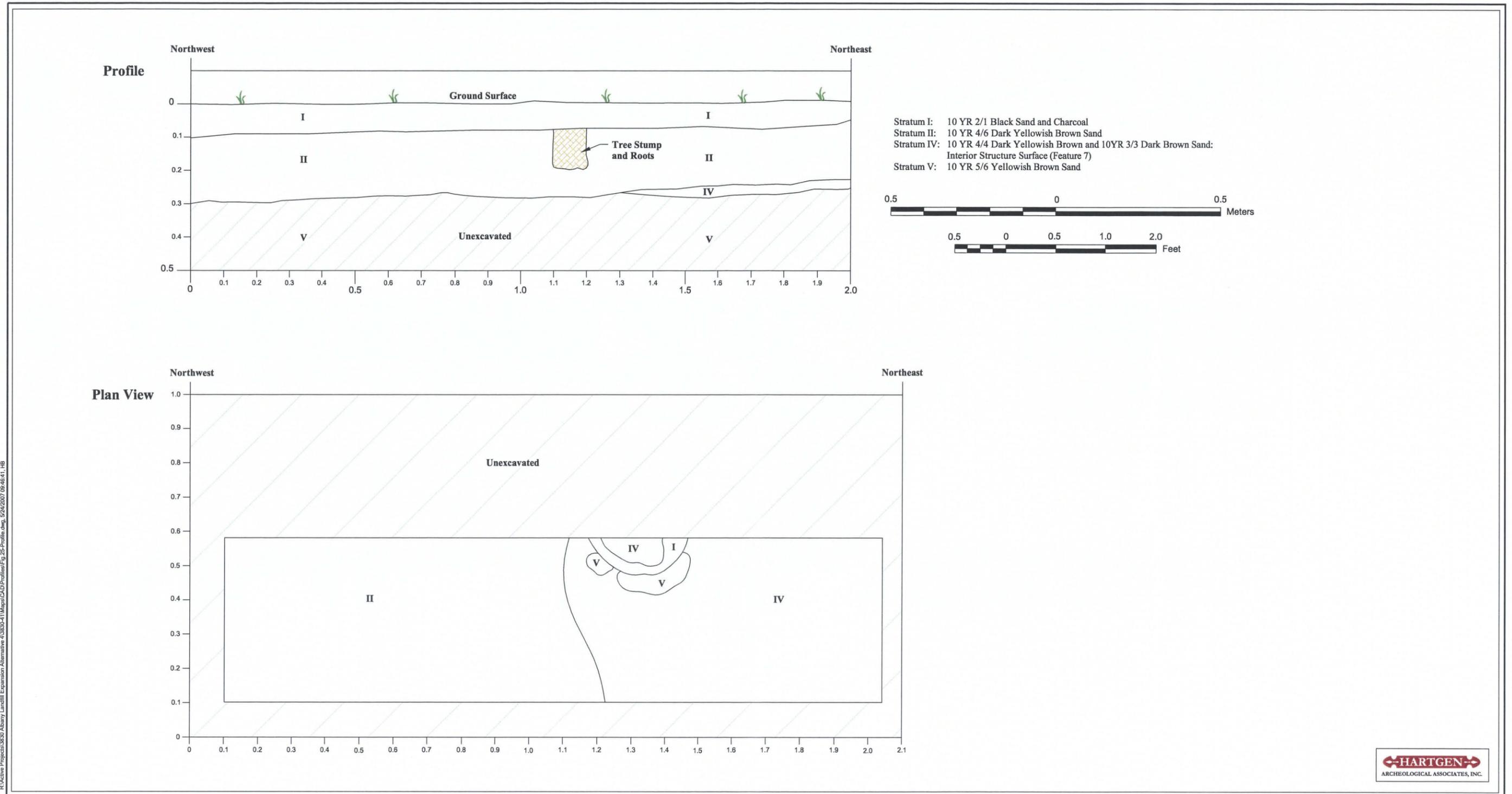


Figure 25

Locus B, Unit 22, North Profile and Plan View

## **Appendix I: Shovel Test Records**

## Albany Landfill Expansion Alternative 4 Phase II Shovel Test Records

	<u>Depth (cm)</u>	<u>Soil Type</u>	<u>Soil Inclusions</u>	<u>Munsell Color</u>		<u>Termination Reason</u>
201	0 - 43	sand		10YR 4/3	brown	
	43 - 63	sand		10YR 4/6	dark yellowish brown	subsoil
202	0 - 22	loamy sand		10YR 3/2	very dark grayish brown	
	22 - 46	fine sand		10YR 4/3	brown	
	46 - 60	fine sand		10YR 5/6	yellowish brown	subsoil
203	0 - 27	sand		10YR 3/3	dark brown	roots
204	0 - 14	silty sand		10YR 3/1	very dark gray	
	14 - 40	sand		10YR 4/3	brown	
	40 - 56	sand		10YR 5/6	yellowish brown	subsoil
205	0 - 24	sand		10YR 3/4	dark yellowish brown	
	24 - 41	sand		10YR 5/6	yellowish brown	subsoil
206	0 - 25	sand		10YR 4/3	brown	
	25 - 44	sand		10YR 4/6	dark yellowish brown	subsoil
207	0 - 5	loamy sand		10YR 3/2	very dark grayish brown	
	5 - 20	fine sand		10YR 4/3	brown	
	20 - 53	fine sand		10YR 5/6	yellowish brown	subsoil
208	0 - 22	silty sand		10YR 4/3	brown	
	22 - 44	sand		10YR 5/6	yellowish brown	subsoil
209	0 - 31	sand		10YR 3/4	dark yellowish brown	
	31 - 49	sand		10YR 5/6	yellowish brown	subsoil
210	0 - 40	silty sand		10YR 3/4	dark yellowish brown	
	40 - 80	sand		10YR 4/6	dark yellowish brown	subsoil
211	0 - 43	sand		10YR 4/3	brown	
	43 - 62	sand		10YR 4/6	dark yellowish brown	subsoil
212	0 - 41	sand		10YR 3/4	dark yellowish brown	
	41 - 63	sand		10YR 5/6	yellowish brown	subsoil
213	0 - 50	silty sand		10YR 4/3	brown	
	50 - 63	sand		10YR 5/6	yellowish brown	subsoil
214	0 - 20	loamy sand		10YR 3/2	very dark grayish brown	
	20 - 52	fine sand		10YR 5/6	yellowish brown	subsoil
215	0 - 40	sand		10YR 3/4	dark yellowish brown	
	40 - 66	sand		10YR 5/6	yellowish brown	subsoil
216	0 - 43	sand		10YR 4/3	brown	
	43 - 65	sand		10YR 4/6	dark yellowish brown	subsoil
217	0 - 23	silty sand		10YR 3/4	dark yellowish brown	
	23 - 41	silty sand		10YR 3/2	very dark grayish brown	
	41 - 58	sand		7.5YR 3/3	dark brown	subsoil
218	0 - 9	sand		10YR 4/3	brown	
	9 - 36	sand		10YR 4/6	dark yellowish brown	subsoil

## Albany Landfill Expansion Alternative 4 Phase II Shovel Test Records

	<u>Depth (cm)</u>	<u>Soil Type</u>	<u>Soil Inclusions</u>	<u>Munsell Color</u>		<u>Termination Reason</u>
219	0 - 21	sand		10YR 4/4	dark yellowish brown	
	21 - 45	sand		10YR 5/6	yellowish brown	subsoil
220	0 - 22	loamy sand		10YR 3/2	very dark grayish brown	
	22 - 61	fine sand		10YR 5/6	yellowish brown	subsoil
221	0 - 25	silty sand		10YR 4/4	dark yellowish brown	
	25 - 30	sand		10YR 5/6	yellowish brown	roots
222	0 - 11	fine sand		10YR 4/3	brown	
	11 - 30	fine sand		10YR 5/6	yellowish brown	
	30 - 42	loamy sand		10YR 4/4	dark yellowish brown	
	42 - 66	fine sand		10YR 5/6	yellowish brown	subsoil
223	0 - 25	sand		10YR 3/4	dark yellowish brown	
	25 - 48	sand		10YR 4/6	dark yellowish brown	subsoil
224	0 - 38	sandy silt		10YR 3/4	dark yellowish brown	compact soil
225	0 - 36	sandy silt		7.5YR 2.5/2	very dark brown	
	36 - 54	sand		7.5YR 3/4	dark brown	subsoil
226	0 - 23	sand		10YR 3/3	dark brown	
	23 - 50	sand		7.5YR 4/6	strong brown	subsoil
227	0 - 29	sandy silt		10YR 3/4	dark yellowish brown	
	29 - 44	sand		10YR 4/6	dark yellowish brown	subsoil
228	0 - 24	sand		10YR 3/3	dark brown	roots
229	0 - 31	sand		10YR 3/4	dark yellowish brown	
	31 - 55	sand		7.5YR 4/6	strong brown	subsoil
230	0 - 48	sand		10YR 3/3	dark brown	
	48 - 77	sand		10YR 4/6	dark yellowish brown	subsoil
231	0 - 34	silty sand		10YR 3/3	dark brown	
	34 - 87	sand		7.5YR 4/6	strong brown	subsoil
232	0 - 63	sand		10YR 4/4	dark yellowish brown	
	63 - 83	sand		7.5YR 4/6	strong brown	subsoil
233	0 - 42	sand		10YR 3/6	dark yellowish brown	
	42 - 60	sand		10YR 4/6	dark yellowish brown	subsoil
234	0 - 12	loamy sand		10YR 3/2	very dark grayish brown	
	12 - 56	fine sand		10YR 4/4	dark yellowish brown	
	56 - 80	fine sand		10YR 4/6	dark yellowish brown	subsoil
235	0 - 32	silty sand		10YR 3/4	dark yellowish brown	
	32 - 53	sand		10YR 4/6	dark yellowish brown	subsoil
236	0 - 30	silty sand		10YR 4/3	brown	
	30 - 45	sand		10YR 5/6	yellowish brown	
	45 - 65	sand		10YR 6/6	brownish yellow	subsoil
237	0 - 27	silty sand		10YR 3/4	dark yellowish brown	
	27 - 45	sand		10YR 4/6	dark yellowish brown	subsoil

## Albany Landfill Expansion Alternative 4 Phase II Shovel Test Records

	<u>Depth (cm)</u>	<u>Soil Type</u>	<u>Soil Inclusions</u>	<u>Munsell Color</u>		<u>Termination Reason</u>
238	0 - 27	sand		10YR 3/6	dark yellowish brown	
	27 - 45	sand		10YR 4/6	dark yellowish brown	subsoil
239	0 - 27	sand		10YR 3/4	dark yellowish brown	
	27 - 54	sand		10YR 5/6	yellowish brown	subsoil
240	0 - 16	silty sand		10YR 3/2	very dark grayish brown	
	16 - 65	sand		10YR 5/6	yellowish brown	subsoil
241	0 - 14	sand		10YR 4/3	brown	
	14 - 47	sand		10YR 4/6	dark yellowish brown	subsoil
242	0 - 10	silty sand		10YR 3/2	very dark grayish brown	
	10 - 39	sand		10YR 5/6	yellowish brown	subsoil
243	0 - 12	silty sand		10YR 4/3	brown	
	12 - 57	sand		10YR 5/6	yellowish brown	subsoil
244	0 - 21	silty sand		10YR 3/3	dark brown	
	21 - 38	sand		10YR 4/6	dark yellowish brown	subsoil
245	0 - 22	silty sand		10YR 3/3	dark brown	
	22 - 42	sand		2.5Y 6/6	olive yellow	subsoil
246	0 - 25	sand		10YR 4/6	dark yellowish brown	roots
247	0 - 32	silty sand		10YR 5/6	yellowish brown	
	32 - 52	sand		10YR 4/3	brown	
	52 - 72	sand		10YR 4/6	dark yellowish brown	subsoil
248	0 - 23	silty sand		10YR 3/2	very dark grayish brown	
	23 - 36	sand		10YR 4/6	dark yellowish brown	subsoil
249	0 - 30	silty sand		10YR 4/3	brown	
	30 - 50	sand		10YR 5/6	yellowish brown	subsoil
250	0 - 31	sand		10YR 3/4	dark yellowish brown	
	31 - 50	sand		10YR 4/6	dark yellowish brown	subsoil
251	0 - 26	sand		10YR 3/4	dark yellowish brown	
	26 - 43	sand		10YR 4/6	dark yellowish brown	subsoil
252	0 - 19	sand		10YR 3/4	dark yellowish brown	
	19 - 36	sand		10YR 4/6	dark yellowish brown	subsoil
253	0 - 54	sand		10YR 3/4	dark yellowish brown	
	54 - 73	sand		10YR 4/6	dark yellowish brown	subsoil
254	0 - 23	sandy silt		10YR 3/3	dark brown	
	23 - 59	sand		10YR 4/6	dark yellowish brown	subsoil
255	-					
	0 - 44	sand		10YR 3/4	dark yellowish brown	
	44 - 57	sand		10YR 4/6	dark yellowish brown	subsoil
256	0 - 43	sand		10YR 4/4	dark yellowish brown	
	43 - 83	sand		10YR 5/6	yellowish brown	subsoil

## Albany Landfill Expansion Alternative 4 Phase II Shovel Test Records

	<u>Depth (cm)</u>	<u>Soil Type</u>	<u>Soil Inclusions</u>	<u>Munsell Color</u>	<u>Termination Reason</u>
257	0 - 12	loamy sand		10YR 3/2	very dark grayish brown
	12 - 26	fine sand		10YR 4/4	dark yellowish brown
	26 - 60	fine sand		10YR 6/6	brownish yellow subsoil
258	0 - 26	sand		10YR 3/6	dark yellowish brown
	26 - 46	sand		10YR 4/6	dark yellowish brown subsoil
259	0 - 23	silty sand		10YR 4/3	brown
	23 - 38	sand		10YR 5/6	yellowish brown
	38 - 56	sand		10YR 6/6	brownish yellow subsoil
260	0 - 23	silty sand		10YR 3/4	dark yellowish brown
	23 - 43	sand		10YR 4/6	dark yellowish brown
	43 - 56	sand		10YR 5/6	yellowish brown subsoil
261	0 - 47	sand		10YR 3/6	dark yellowish brown
	47 - 67	sand		10YR 4/6	dark yellowish brown subsoil
262	0 - 29	sand		10YR 3/4	dark yellowish brown
	29 - 43	sand		10YR 5/6	yellowish brown subsoil
263	0 - 19	sand		10YR 3/4	dark yellowish brown
	19 - 46	sand		10YR 4/6	dark yellowish brown subsoil
264	0 - 32	sand		10YR 3/4	dark yellowish brown
	32 - 84	sand		10YR 5/6	yellowish brown subsoil
265	0 - 16	silty sand		10YR 3/4	dark yellowish brown
	16 - 55	sand		10YR 4/6	dark yellowish brown subsoil
266	0 - 40	sand		10YR 4/3	brown
	40 - 56	sand		10YR 4/6	dark yellowish brown subsoil
267	0 - 20	sand		10YR 4/4	dark yellowish brown
	20 - 50	sand		10YR 5/6	yellowish brown subsoil
268	0 - 5	loamy sand		10YR 4/4	dark yellowish brown
	5 - 42	fine sand		10YR 5/6	yellowish brown subsoil
269	0 - 15	silty sand		10YR 3/4	dark yellowish brown
	15 - 43	sand		10YR 5/6	yellowish brown subsoil
270	0 - 16	sand		10YR 3/4	dark yellowish brown
	16 - 33	sand		10YR 4/6	dark yellowish brown subsoil
271	0 - 9	sand		10YR 3/3	dark brown
	9 - 18	sand		10YR 4/4	dark yellowish brown
	18 - 23	sand		10YR 3/3	dark brown
	23 - 53	sand		10YR 5/6	yellowish brown subsoil
272	0 - 15	sand		10YR 3/3	dark brown
	15 - 22	sand		10YR 3/6	dark yellowish brown
	22 - 24	sand		10YR 2/1	black
	24 - 38	sand		10YR 4/4	dark yellowish brown
	38 - 67	sand		10YR 5/6	yellowish brown subsoil
273	0 - 54	sand		10YR 4/6	dark yellowish brown subsoil

## Albany Landfill Expansion Alternative 4 Phase II Shovel Test Records

	<u>Depth (cm)</u>	<u>Soil Type</u>	<u>Soil Inclusions</u>	<u>Munsell Color</u>		<u>Termination Reason</u>
274	0 - 38	loamy sand		10YR 3/2	very dark grayish brown	
	38 - 57	fine sand		10YR 5/6	yellowish brown	subsoil
275	0 - 35	sand		10YR 4/4	dark yellowish brown	
	35 - 62	sand		10YR 4/6	dark yellowish brown	subsoil
276	0 - 22	sand		10YR 3/4	dark yellowish brown	
	22 - 58	sand		10YR 4/6	dark yellowish brown	subsoil
277	0 - 39	silty sand		10YR 3/4	dark yellowish brown	
	39 - 51	sand		10YR 4/6	dark yellowish brown	subsoil
278	0 - 30	sand		10YR 3/4	dark yellowish brown	
	30 - 58	sand		10YR 4/6	dark yellowish brown	subsoil
279	0 - 25	sand		10YR 3/1	very dark gray	
	25 - 50	sand		10YR 4/6	dark yellowish brown	subsoil
280	0 - 29	sand		10YR 3/4	dark yellowish brown	
	29 - 58	sand		10YR 4/6	dark yellowish brown	subsoil
281	0 - 29	sand		10YR 3/6	dark yellowish brown	
	29 - 52	sand		10YR 4/6	dark yellowish brown	subsoil
282	0 - 13	loamy sand		10YR 3/2	very dark grayish brown	
	13 - 27	fine sand		10YR 4/4	dark yellowish brown	
	27 - 66	fine sand		10YR 6/6	brownish yellow	subsoil
283	0 - 10	loamy sand		10YR 3/2	very dark grayish brown	
	10 - 25	fine sand		10YR 4/4	dark yellowish brown	
	25 - 56	fine sand		10YR 5/6	yellowish brown	subsoil
284	0 - 30	silty sand		10YR 4/3	brown	
	30 - 50	sand		10YR 5/6	yellowish brown	
	50 - 63	sand		10YR 6/6	brownish yellow	subsoil
285	0 - 34	silty sand		10YR 3/4	dark yellowish brown	
	34 - 56	sand		10YR 4/6	dark yellowish brown	subsoil
286	0 - 30	sand		10YR 3/6	dark yellowish brown	
	30 - 49	sand		10YR 4/6	dark yellowish brown	subsoil
287	0 - 8	loamy sand		10YR 3/2	very dark grayish brown	
	8 - 26	fine sand		10YR 4/3	brown	
	26 - 56	fine sand		10YR 5/6	yellowish brown	subsoil
288	0 - 20	loamy sand		10YR 3/2	very dark grayish brown	
	20 - 66	fine sand		10YR 5/6	yellowish brown	subsoil
289	0 - 27	loamy sand		10YR 3/2	very dark grayish brown	
	27 - 70	fine sand		10YR 5/6	yellowish brown	subsoil
290	0 - 24	silty sand		10YR 4/4	dark yellowish brown	
	24 - 40	sand		10YR 4/6	dark yellowish brown	subsoil
291	0 - 26	silty sand		10YR 3/4	dark yellowish brown	
	26 - 45	sand		10YR 4/6	dark yellowish brown	subsoil

## Albany Landfill Expansion Alternative 4 Phase II Shovel Test Records

	<u>Depth (cm)</u>	<u>Soil Type</u>	<u>Soil Inclusions</u>	<u>Munsell Color</u>		<u>Termination Reason</u>
292	0 - 17	sand		10YR 4/3	brown	
	17 - 42	sand		10YR 4/6	dark yellowish brown	subsoil
293	0 - 25	silty sand		10YR 4/3	brown	
	25 - 57	sand		10YR 5/6	yellowish brown	subsoil
294	0 - 26	silty sand		10YR 3/3	dark brown	
	26 - 52	sand		10YR 5/6	yellowish brown	subsoil
295	0 - 21	silty sand		10YR 4/4	dark yellowish brown	
	21 - 46	sand		10YR 5/6	yellowish brown	subsoil
296	0 - 26	sand		10YR 3/4	dark yellowish brown	
	26 - 54	sand		10YR 4/6	dark yellowish brown	subsoil
297	0 - 35	sand		10YR 4/4	dark yellowish brown	
	35 - 52	sand		10YR 5/6	yellowish brown	subsoil
298	0 - 7	loamy sand		10YR 3/2	very dark grayish brown	
	7 - 60	fine sand		10YR 5/6	yellowish brown	subsoil
299	0 - 32	sand		10YR 3/4	dark yellowish brown	
	32 - 47	sand		10YR 4/6	dark yellowish brown	subsoil
300	0 - 28	sand		10YR 4/3	brown	
	28 - 56	sand		10YR 5/6	yellowish brown	subsoil
301	0 - 28	silty sand		10YR 3/4	dark yellowish brown	
	28 - 54	sand		10YR 4/6	dark yellowish brown	subsoil
302	0 - 30	loamy sand		10YR 3/2	very dark grayish brown	
	30 - 60	fine sand		10YR 5/6	yellowish brown	subsoil
303	0 - 9	sand		10YR 4/4	dark yellowish brown	
	9 - 43	sand		10YR 4/6	dark yellowish brown	subsoil
304	0 - 20	sand		10YR 4/4	dark yellowish brown	
	20 - 50	sand		10YR 4/6	dark yellowish brown	subsoil
305	0 - 25	sand		10YR 3/4	dark yellowish brown	
	25 - 60	sand		10YR 4/6	dark yellowish brown	subsoil
306	0 - 24	sand		10YR 3/4	dark yellowish brown	
	24 - 57	sand		10YR 4/6	dark yellowish brown	subsoil
307	0 - 34	silty sand		10YR 3/4	dark yellowish brown	
	34 - 60	sand		10YR 4/6	dark yellowish brown	subsoil
308	0 - 23	loamy sand		10YR 3/2	very dark grayish brown	
	23 - 85	fine sand		10YR 4/4	dark yellowish brown	
	85 - 105	fine sand		10YR 6/6	brownish yellow	subsoil
309	0 - 14	loamy sand		10YR 3/2	very dark grayish brown	
	14 - 25	fine sand		10YR 4/3	brown	
	25 - 71	fine sand		10YR 6/6	brownish yellow	subsoil
310	0 - 38	sand		10YR 3/6	dark yellowish brown	
	38 - 52	sand		10YR 4/6	dark yellowish brown	subsoil

**ny Landfill Expansion Alternative 4 Phase II  
Level Test Records**

	<u>Depth (cm)</u>	<u>Soil Type</u>	<u>Soil Inclusions</u>	<u>Munsell Color</u>		<u>Termination Reason</u>
311	0 - 33	sand		10YR 3/6	dark yellowish brown	
	33 - 60	sand		10YR 4/6	dark yellowish brown	subsoil
312	0 - 24	sand		10YR 3/6	dark yellowish brown	
	24 - 42	sand		10YR 4/6	dark yellowish brown	subsoil
313	0 - 25	loamy sand		10YR 4/3	brown	
	25 - 70	fine sand		10YR 5/6	yellowish brown	subsoil
314	0 - 10	loamy sand		10YR 3/1	very dark gray	
	10 - 28	fine sand		10YR 4/3	brown	
	28 - 61	fine sand		10YR 5/6	yellowish brown	subsoil
315	0 - 33	sand		10YR 3/4	dark yellowish brown	roots
316	0 - 35	silty sand		10YR 4/3	brown	
	35 - 50	sand		10YR 5/6	yellowish brown	subsoil
317	0 - 23	silty sand		10YR 3/4	dark yellowish brown	
	23 - 36	sand		10YR 4/6	dark yellowish brown	subsoil
318	0 - 18	sand		10YR 4/3	brown	
	18 - 43	sand		10YR 4/6	dark yellowish brown	subsoil
319	0 - 24	sand		10YR 4/4	dark yellowish brown	
	24 - 49	sand		10YR 5/6	yellowish brown	subsoil
320	0 - 10	loamy sand		10YR 3/2	very dark grayish brown	
	10 - 20	fine sand		10YR 5/4	yellowish brown	
	20 - 60	fine sand		10YR 5/6	yellowish brown	subsoil
321	0 - 25	silty sand		10YR 3/4	dark yellowish brown	
	25 - 40	sand		10YR 4/6	dark yellowish brown	subsoil
322	0 - 18	sand		10YR 3/4	dark yellowish brown	
	18 - 30	sand		10YR 4/6	dark yellowish brown	subsoil
323	0 - 11	sand		10YR 4/4	dark yellowish brown	
	11 - 51	sand		10YR 5/6	yellowish brown	subsoil
324	0 - 29	silty sand		10YR 4/3	brown	
	29 - 50	sand		10YR 5/6	yellowish brown	subsoil
325	0 - 19	silty sand		10YR 3/4	dark yellowish brown	
	19 - 40	sand		10YR 4/6	dark yellowish brown	subsoil
326	0 - 32	silty sand		10YR 4/3	brown	
	32 - 50	sand		10YR 5/6	yellowish brown	subsoil
327	0 - 35	silty sand		10YR 4/3	brown	
	35 - 50	sand		10YR 5/6	yellowish brown	subsoil
328	0 - 16	silty sand		10YR 3/3	dark brown	
	16 - 44	sand		10YR 4/6	dark yellowish brown	subsoil
329	0 - 19	sand		10YR 3/4	dark yellowish brown	
	19 - 48	sand		10YR 5/6	yellowish brown	subsoil

## Albany Landfill Expansion Alternative 4 Phase II Shovel Test Records

	<u>Depth (cm)</u>	<u>Soil Type</u>	<u>Soil Inclusions</u>	<u>Munsell Color</u>		<u>Termination Reason</u>
366	0 - 33	silty sand		10YR 3/2	very dark grayish brown	
	33 - 53	silty sand		10YR 5/4	yellowish brown	subsoil
367	0 - 38	sand		10YR 7/3	very pale brown	
	38 - 48	clayey sand		10YR 3/6	dark yellowish brown	roots
368	0 - 28	sand		10YR 4/4	dark yellowish brown	
	28 - 45	sand		10YR 5/6	yellowish brown	subsoil
369	0 - 24	loamy sand		2.5Y 3/2	very dark grayish brown	
	24 - 58	fine sand		2.5Y 5/4	light olive brown	subsoil
370	0 - 37	silty sand		10YR 4/3	brown	
	37 - 60	sand		2.5Y 6/4	light yellowish brown	subsoil
371	0 - 35	loamy sand		10YR 3/2	very dark grayish brown	
	35 - 65	fine sand		10YR 6/6	brownish yellow	subsoil
372	0 - 10	silty sand		10YR 3/2	very dark grayish brown	
	10 - 25	sand		10YR 4/2	dark grayish brown	
	25 - 38	sand		10YR 3/2	very dark grayish brown	
	38 - 60	sand		2.5Y 6/4	light yellowish brown	subsoil
373	0 - 26	silty sand		10YR 3/3	dark brown	
	26 - 50	sand		10YR 5/4	yellowish brown	subsoil
374	0 - 26	silty sand		10YR 3/2	very dark grayish brown	
	26 - 50	sand		10YR 5/6	yellowish brown	subsoil
375	0 - 44	silty sand		10YR 4/3	brown	
	44 - 70	sand		10YR 5/6	yellowish brown	subsoil
376	0 - 23	sandy silt		10YR 3/4	dark yellowish brown	
	23 - 46	sand		10YR 4/6	dark yellowish brown	subsoil
377	0 - 27	loamy sand		10YR 3/2	very dark grayish brown	
	27 - 58	fine sand		10YR 5/6	yellowish brown	subsoil
378	0 - 20	sandy silt		10YR 4/3	brown	
	20 - 54	sandy silt		10YR 3/4	dark yellowish brown	
	54 - 83	sand		10YR 4/6	dark yellowish brown	subsoil
379	0 - 45	sand		10YR 3/6	dark yellowish brown	
	45 - 68	sand		10YR 4/6	dark yellowish brown	subsoil
380	0 - 35	loamy sand		10YR 3/2	very dark grayish brown	
	35 - 60	fine silty sand		10YR 4/6	dark yellowish brown	subsoil
381	0 - 27	silty sand		10YR 3/3	dark brown	
	27 - 54	sand		10YR 4/6	dark yellowish brown	subsoil
382	0 - 27	loamy sand		10YR 3/2	very dark grayish brown	
	27 - 52	fine sand		10YR 6/6	brownish yellow	subsoil
383	0 - 32	sand		10YR 4/3	brown	
	32 - 61	sand		10YR 4/6	dark yellowish brown	

## Albany Landfill Expansion Alternative 4 Phase II Shovel Test Records

	<u>Depth (cm)</u>	<u>Soil Type</u>	<u>Soil Inclusions</u>	<u>Munsell Color</u>		<u>Termination Reason</u>
384	0 - 23	silty sand		10YR 4/3	brown	
	23 - 50	sand		2.5Y 6/4	light yellowish brown	subsoil
385	0 - 29	silty sand		10YR 3/2	very dark grayish brown	
	29 - 51	sand		10YR 5/4	yellowish brown	subsoil
386	0 - 25	silty sand		10YR 3/2	very dark grayish brown	
	25 - 46	sand		10YR 5/6	yellowish brown	subsoil
387	0 - 25	silty sand		10YR 4/3	brown	
	25 - 43	sand		10YR 5/6	yellowish brown	subsoil
388	0 - 21	loamy sand		10YR 3/2	very dark grayish brown	
	21 - 66	fine sand		10YR 6/6	brownish yellow	subsoil
389	0 - 18	sand		10YR 3/2	very dark grayish brown	
	18 - 44	sand		10YR 4/6	dark yellowish brown	subsoil
390	0 - 21	silty sand		10YR 3/2	very dark grayish brown	
	21 - 45	sand		10YR 4/6	dark yellowish brown	subsoil
391	0 - 33	silty sand	charcoal	10YR 3/2	very dark grayish brown	
	33 - 63	sand		10YR 4/4	dark yellowish brown	subsoil
392	0 - 31	silty sand		10YR 3/2	very dark grayish brown	roots
393	0 - 8	sand		10YR 3/6	dark yellowish brown	
	8 - 46	sand		10YR 4/6	dark yellowish brown	subsoil
394	0 - 23	loamy sand		10YR 3/2	very dark grayish brown	
	23 - 55	fine sand		10YR 5/6	yellowish brown	subsoil
395	0 - 34	silty sand		10YR 3/2	very dark grayish brown	
	34 - 57	sand		10YR 5/6	yellowish brown	subsoil
396	0 - 26	sand		10YR 3/2	very dark grayish brown	
	26 - 54	sand		10YR 5/6	yellowish brown	subsoil
397	0 - 24	silty sand		10YR 3/2	very dark grayish brown	
	24 - 48	sand		10YR 5/6	yellowish brown	subsoil
398	0 - 32	silty sand		10YR 3/2	very dark grayish brown	
	32 - 52	sand		10YR 5/6	yellowish brown	subsoil
399	0 - 25	silty sand		10YR 4/3	brown	
	25 - 30	sand		10YR 5/6	yellowish brown	
	30 - 64	sand		10YR 3/2	very dark grayish brown	
	64 - 68	sand		10YR 6/1	gray	
	68 - 78	sand		10YR 5/6	yellowish brown	
400	0 - 27	loamy sand		10YR 3/2	very dark grayish brown	
	27 - 51	fine sand		10YR 5/6	yellowish brown	subsoil
401	0 - 25	silt		10YR 3/4	dark yellowish brown	
	25 - 33	sand	roots	10YR 4/6	dark yellowish brown	subsoil
402	0 - 20	silty sand		10YR 4/3	brown	
	20 - 50	sand		10YR 5/6	yellowish brown	subsoil

## Albany Landfill Expansion Alternative 4 Phase II Shovel Test Records

	<u>Depth (cm)</u>	<u>Soil Type</u>	<u>Soil Inclusions</u>	<u>Munsell Color</u>		<u>Termination Reason</u>
403	0 - 21	loamy sand		10YR 3/1	very dark gray	
	21 - 55	fine sand		10YR 5/6	brownish yellow	subsoil
404	0 - 24	sand		10YR 3/2	very dark grayish brown	
	24 - 45	sand		10YR 5/8	yellowish brown	subsoil
405	0 - 27	loamy sand		2.5Y 3/2	very dark grayish brown	
	27 - 56	fine sand		2.5Y 5/4	light olive brown	subsoil
406	0 - 26	silty sand		10YR 3/2	very dark grayish brown	
	26 - 40	sand		10YR 5/4	yellowish brown	subsoil
407	0 - 30	silty sand		10YR 3/2	very dark grayish brown	
	30 - 53	silty sand		10YR 5/4	yellowish brown	subsoil
408	0 - 37	silty sand		10YR 3/2	very dark grayish brown	
	37 - 50	sand		10YR 5/6	yellowish brown	subsoil
409	0 - 45	silty sand		10YR 4/3	brown	
	45 - 60	sand		10YR 5/6	yellowish brown	subsoil
410	0 - 34	loamy sand		10YR 3/1	very dark gray	
	34 - 63	fine silty sand		10YR 5/4	yellowish brown	subsoil
411	0 - 28	silt		10YR 3/4	dark yellowish brown	
	28 - 52	sand		10YR 4/6	dark yellowish brown	subsoil
412	0 - 29	silty sand		10YR 3/2	very dark grayish brown	
	29 - 61	sand		2.5Y 5/4	light olive brown	subsoil
413	0 - 25	sand		10YR 3/2	very dark grayish brown	
	25 - 42	sand		10YR 5/6	yellowish brown	subsoil
414	0 - 33	sand		10YR 3/4	dark yellowish brown	roots
415	0 - 26	loamy sand		2.5Y 2.5/1	black	
	26 - 60	fine sand		2.5Y 6/2	light brownish gray	subsoil
416	0 - 36	silty sand		10YR 3/2	very dark grayish brown	
	36 - 50	sand		10YR 5/4	yellowish brown	subsoil
417	0 - 32	silty sand		10YR 3/2	very dark grayish brown	
	32 - 56	sand		10YR 5/4	yellowish brown	subsoil
418	0 - 29	silty sand		10YR 3/1	very dark gray	
	29 - 51	sand		10YR 5/4	yellowish brown	subsoil
419	0 - 26	loamy sand		10YR 3/1	very dark gray	
	26 - 66	fine sand		2.5Y 6/4	light yellowish brown	subsoil
420	0 - 35	sandy silt		10YR 3/3	dark brown	roots
421	0 - 30	sand		10YR 3/2	very dark grayish brown	
	30 - 52	sand		10YR 5/4	yellowish brown	subsoil
422	0 - 23	sand		10YR 3/2	very dark grayish brown	
	23 - 46	sand		10YR 5/6	yellowish brown	subsoil
423	0 - 32	silty sand		10YR 3/2	very dark grayish brown	
	32 - 49	silty sand		10YR 5/4	yellowish brown	subsoil

## Albany Landfill Expansion Alternative 4 Phase II Shovel Test Records

	<u>Depth (cm)</u>	<u>Soil Type</u>	<u>Soil Inclusions</u>	<u>Munsell Color</u>		<u>Termination Reason</u>
424	0 - 28	silt		10YR 3/3	dark brown	
	28 - 80	clayey sand		10YR 7/3	very pale brown	subsoil
425	0 - 28	loamy sand		2.5Y 2.5/1	black	
	28 - 39	fine sand		2.5Y 6/2	light brownish gray	
	39 - 62	fine sand		2.5Y 6/4	light yellowish brown	subsoil
426	0 - 31	clayey loam		2.5Y 2.5/1	black	
	31 - 54	fine sand		2.5Y 5/4	light olive brown	subsoil
427	0 - 30	silty sand		10YR 3/2	very dark grayish brown	
	30 - 52	sand		10YR 5/4	yellowish brown	subsoil
428	0 - 24	silty sand		10YR 3/2	very dark grayish brown	
	24 - 40	silty sand		10YR 5/4	yellowish brown	subsoil
429	0 - 29	silt		10YR 2/2	very dark brown	
	29 - 50	sand		10YR 5/6	yellowish brown	subsoil
430	0 - 34	silty sand		10YR 3/2	very dark grayish brown	
	34 - 56	sand		10YR 5/4	yellowish brown	subsoil
431	0 - 29	silty sand		10YR 3/2	very dark grayish brown	
	29 - 58	sand		10YR 5/4	yellowish brown	subsoil
432	0 - 28	sand		10YR 3/2	very dark grayish brown	
	28 - 45	sand		10YR 5/4	yellowish brown	subsoil
433	0 - 29	sand		10YR 4/4	dark yellowish brown	
	29 - 48	sand		10YR 5/6	yellowish brown	subsoil
434	0 - 29	silty sand		10YR 3/2	very dark grayish brown	
	29 - 38	sand		10YR 5/4	yellowish brown	subsoil
435	0 - 39	silty sand		10YR 3/2	very dark grayish brown	
	39 - 61	sand		10YR 6/4	light yellowish brown	subsoil
436	0 - 31	sand		10YR 4/4	dark yellowish brown	
	31 - 46	sand		10YR 5/6	yellowish brown	subsoil
437	0 - 54	sand		10YR 3/3	dark brown	roots
438	0 - 37	sandy silt		10YR 3/3	dark brown	
	37 - 48	sand		10YR 5/6	yellowish brown	subsoil
439	0 - 40	silty sand		10YR 3/2	very dark grayish brown	
	40 - 52	silty sand		10YR 4/4	dark yellowish brown	subsoil
440	0 - 31	silty sand		10YR 3/2	very dark grayish brown	
	31 - 64	sand		10YR 5/4	yellowish brown	subsoil
441	0 - 33	sand		10YR 3/3	dark brown	
	33 - 69	sand		10YR 4/3	brown	subsoil
442	0 - 34	silty sand		10YR 3/2	very dark grayish brown	
	34 - 55	sand		10YR 6/4	light yellowish brown	subsoil
443	0 - 38	sand		10YR 3/4	dark yellowish brown	
	38 - 52	sand		10YR 5/6	yellowish brown	subsoil

**Albany Landfill Expansion Alternative 4 Phase II  
Shovel Test Records**

	<u>Depth (cm)</u>	<u>Soil Type</u>	<u>Soil Inclusions</u>	<u>Munsell Color</u>		<u>Termination Reason</u>
444	0 - 34	silty sand		10YR 2/2	very dark brown	
	34 - 38	sand		10YR 5/2	grayish brown	
	38 - 53	sand		10YR 5/4	yellowish brown	subsoil
445	0 - 19	silty sand		10YR 3/4	dark yellowish brown	
	19 - 50	sand		10YR 4/6	dark yellowish brown	subsoil
446	0 - 18	sand		10YR 3/4	dark yellowish brown	
	18 - 60	sand		10YR 4/6	dark yellowish brown	subsoil
447	0 - 7	silty sand		10YR 3/1	very dark gray	
	7 - 19	sand		10YR 4/3	brown	
	19 - 48	sand		10YR 5/6	yellowish brown	subsoil
448	0 - 26	sand		10YR 3/4	dark yellowish brown	
	26 - 61	sand		10YR 5/6	yellowish brown	subsoil

## **Appendix II: Unit Results**

Table 3: Soil Strata Definitions for the J. Vant Historic Site- Loci A and B

LOCUS A					
Unit	Stratum 1	Stratum 2	Stratum 3	Stratum 4	Stratum 5
1	1	2	-	-	3
2	1	2	-	-	3
6	1	2	-	-	3
8	1	2	-	-	3
23	1	-	-	-	2
24	1	-	-	-	2
25	1	2	-	-	3
26	1	2	3	-	4
27	1	-	2	-	-
28	1	2	-	-	3
29	1	2	3	-	4
30	1	2	3	-	4
31	1	2	-	-	3
LOCUS B					
3	1	2	-	3	4
4	1	-	-	-	2
5	1	2	-	3	4
7	1	2	-	3	4
9	1	2	-	3	4
10	1	2	-	3	4
11	1	2	-	3	4
12	1	2	-	3	4
13	1	2	-	3	4
14	1	2	-	-	3,4
15	1	2	-	3	4
16	1	2	-	3	4
17	1	2	-	3	4
18	1	2	-	3	4
19	1	2	-	3	4
20	1	2	-	-	3
21	1	2	-	3	4
22	1	2	-	3	4

Key					
Stratum 1	Topsoil- Locus A	10YR 3/3	Silty Sand		
	Topsoil- Locus B	10YR 3/2	Silty Sand		
Stratum 2	Intermediate- Locus A	10YR 2/1	Sandy Humus		
		10YR 4/4	Silty Sand		
	Intermediate- Locus	10YR 3/3	Silty Sand		
Stratum 3	Cellar Hole (Feature 6)	10YR 3/6	Silty Sand		
		10YR 5/4	Sand		
		10YR 7/1	Ash		
		5YR 4/6	Sand		
Stratum 4	Interior Structure Surface (Feature 7)	10YR 4/4	Loamy Sand		
		10YR 2/1	Charred Organics		
Stratum 5	Subsoil	10YR 3/3	Silty Sand		
		10YR 5/6	Sand		

*The following results are discussed according to the original levels by which the units were excavated in the field. Table 3 coordinates individual unit levels with the site-wide soil strata definitions.*

#### ***J. Vant Historic Site- Locus A Unit Results***

Units were located in areas of high-density artifact concentration or adjacent to shovel tests with abnormal soil profiles. Units 1, 8, and 6 were positioned on the edge of a slope between tests that displayed a large amount of building materials. Units 2, 23, and 24 explored areas surrounding tests with abnormal soil layers. Units 25 through 31 were located in an area deemed highly sensitive for historic structures immediately north of Units 1, 6, and 8. Three features were identified, including a midden (Feature 3), a burn feature (Feature 5), and a cellar hole deposit (Feature 6). All features, regardless of site, are listed in Table 5. Feature and unit artifacts from the J. Vant Historic Site- Locus A are tallied in Table 6.

Unit 1 was a one-by-two meter (3-by-6 ft) excavation located between Tests 282 and 308. Although three levels were present, Level 1 and Level 2, both consisting of dark brown silty sand, were removed together as soil changes were not visible during excavation. Both levels contained a high concentration of artifacts including whiteware; stoneware; pipe fragments; bottle, vessel, lamp chimney, and drinking glass; and buttons. Building materials included brick fragments, bent and straight cut nails, nail fragments, screws, and window glass. A thin deposit of mortar, ash, and brick fragments extended across the transition between Levels 2 and 3 along the west wall of the unit. Lodged within it was a fragment of metal stovepipe. Level 2 was separated from Level 1 during profiling due to the sporadic inclusions of mortar and coal ash extending beyond Unit 1 and into Units 6 and 8, as well. As Level 2 had a high artifact concentration of varying types, mortar and coal ash inclusions, and defined limits uncovered in Units 6 and 8, Level 2 was considered Feature 3 and identified as an extensive midden deposit.

Level 3 of Unit 1 extended 20 cm (8 in) into yellowish brown undisturbed sand. No artifacts were observed in Level 3 and the unit terminated at 70 cm (28 in). The north wall profile and photograph are displayed in Figure 2 and the west wall profile and photograph are Figure 3. Artifacts from Unit 1 and Feature 3 are tallied in Table 6.

Unit 2 measured one-by-one meters and was positioned adjacent to the northeast side of Test 330, which had contained charcoal fragments, ceramics, and nails. Unit 2 was excavated to determine whether the area contained a significant historic deposit or scatter. No cultural material was noted in the dark brown silty sand topsoil of Level 1, but Level 2, dark yellowish brown sand, contained a low density of nails, ceramics, and bottle glass. Charcoal was noted in the southern half of the unit, but it appeared to be natural root burn. No artifacts were collected from the yellowish brown sand of Level 3 and the unit terminated at 60 cm (24 in). The north wall profile and photograph are displayed in Figure 5.

Unit 6 was a one-by-one meter (3-by-3 ft) unit located one meter (3 ft) south and west of Unit 1. Level 1 consisted of very dark grayish brown silty sand topsoil and contained both domestic artifacts and building materials. Level 2 was the continuation of Feature 3 from Unit 1 and the stovepipe fragment was removed from the northeast corner the unit. Artifacts recovered from Feature 3 included blue-transfer whiteware, bone and shell fragments, pipe fragments, buttons, and nail fragments. Although Feature 3 was extremely deep in the northern half of the unit, extending to 120 cm (47 in), in the southern half it only reached 80 cm (32 in). Level 3 consisted of yellowish brown sand and was sterile for cultural material. Unit 6 terminated at 130 cm (51 in). The west wall profile is displayed in Figure 4.

Unit 8, a one-by-two meter (3-by-6 ft) unit, was located directly north of Unit 6 and immediately west of Unit 1. Level 1 contained very dark grayish brown topsoil with a medium concentration of historic artifacts. Domestic artifacts were more common than building material and included slat-glazed stoneware, whiteware, redware, and bottle glass. Window glass and nail fragments were also collected. Level 2 was a continuation of Feature 3 and had a high artifact density. Pipe fragments, various ceramics, buckles, vessel and bottle glass, and

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bone were encountered along with window glass, wire, metal can fragments, and square cut nails. Feature 3 was approximately 30 cm (9 in) deep on average, but it dipped abruptly to roughly 80 cm (32 in) in the southern half of the unit. Level 3 was yellowish brown undisturbed sand that did not contain any cultural material. Unit 8 terminated at about 60 cm (18 in) along the northern wall and roughly 125 cm (38 in) along the southern. The profile for Unit 8 is displayed in Figure 4. The plan view of Units 1, 6, 8, and Feature 3 is shown in Figure 1.

Unit 23 was located southeast of Test 399 and consisted of a one-by-one meter (3-by-3 ft) excavation. Test 399 had contained varying layers of sand ranging from very dark grayish brown to yellowish brown to gray, but no cultural material had been collected. Unit 23 encountered brick fragments and shells in the very dark grayish brown silty sand of Level 1, but no other artifacts. Level 2 consisted of undisturbed yellowish brown sand. No artifacts were observed.

Feature 5 was identified in the northwest corner of Unit 23 beginning at 60 cm (24 in) and extending 25 cm (10 in) into Level 2. A burn feature consisting of various layers and pockets, Feature 5 contained dark grayish brown and light gray pockets of sand along with ash, charred wood, and charred shells. As these varying levels were also displayed in Test 399, Feature 5 appeared to be roughly circular with a diameter of 75 cm (30 in). No other cultural material was recovered and the unit terminated at 90 cm (35 in). The west wall profile of Unit 23 and Feature 5 is displayed in Figure 6.

Unit 24, a one-by-one meter (3-by-3 ft) excavation, was located one meter (3 ft) east of Test 354. Test 354 displayed a dark mottled layer beneath the surface root mat that contained a pipe bowl fragment, a cut nail, and a glass shard. Unit 24 was excavated to determine the extent and significance of the deposit. Level 1 of Unit 24 was dark brown loamy sand and contained a cut nail, glass shards, and brick fragments. No dark mottled layer was encountered and undisturbed Level 2, yellowish brown sand, terminated at 60 cm (24 in). The west wall profile of Unit 24 is shown in Figure 7.

Units 25 through 31 were located one meter (3 ft) northwest of Units 1, 6, and 8 along level ground at the top of the rise. The area between Tests 256, 257, 281 and 282 had an extremely high density of artifacts, both domestic and building material. The land itself was slightly recessed and the six one-by-half meter (3-by-1.5 ft) units were aligned to bisect the depression. The east wall profile and photograph of Units 25, 26, 27, and 28 is displayed in Figure 8. The north wall profile for Unit 29 is included in Figure 9 along with the north wall profile and photograph for Units 30 and 31.

Unit 25 was positioned one meter (3 ft) west of Unit 8 and extended northward for two meters (6 ft). Level 1 appeared to be the ubiquitous dark brown topsoil of the area and contained such artifacts as window glass, brick fragments, and nail fragments. Level 2 was yellowish brown sand with a high concentration of cut nails, whiteware, pipe fragments, window glass, bottle glass, and butchered bone. Two whole bricks were recovered, but they did not appear articulated or in situ. Level 3, subsoil, was brownish yellow sand. Though a few scattered artifacts including whiteware and nail fragments were retrieved from the transition between Levels 2 and 3, no artifacts were recovered from the bulk of the level. The unit terminated at 60 cm (24 in).

Unit 26 extended two meters (6 ft) north from Unit 25. The Level 1 black, silty sand topsoil contained a medium density of artifacts including cut nails and nail fragments, window and bottle glass, and various ceramics. Level 2 was excavated and uncovered Feature 6, a large deposit of burn material including coal, ash, slag, charred wood and brick, and a high density of artifacts that encompassed Units 26 through 30. Feature six will be discussed in greater detail after Unit 31. Level 3 was excavated below Feature 6 and, unlike Unit 25 where materials were only encountered in the transition, artifacts were recovered up to 75 cm (30 in) deep. A glass earring and a complete decorated liquor bottle were recovered from the bottom of Unit 26 beneath Feature 6. The unit terminated at 80 cm (32 in).

Unit 27 was a two-meter (6 ft) extension of Unit 26. Level 1 was black, silty sand topsoil containing window and bottle glass, various ceramics, mortar and brick fragments, cut nails and nail fragments, and butchered bone. Charred wood and ash created a thin soil lense between Levels 1 and 2, but no distinct feature was identified. Level 2 was excavated only until the top of Feature 6 was uncovered. Cut nails, window and bottle glass, and whiteware were collected. Feature 6 sloped upwards to the north extending across seventy-five percent of the unit until it faded away approximately 50 cm (20 in) from the northern end. The unit terminated at the surface of Feature 6 between 25 cm (10 in) and 45 cm (18 in).

Unit 28 was the most northerly unit in Locus A, extending two meters (6 ft) from the northern edge of Unit 27. The topsoil was again the ubiquitous dark brown silty sand with a scattering of artifacts including window and bottle glass, shell, brick fragments, cut nails and nail fragments, and various ceramics. Level 2, dark yellowish brown sand, contained a higher density of historic artifacts than Level 1. Cut nails, whiteware, and bottle glass were most commonly noted. A small lense of black soil with ash and charcoal was located along the southern wall and appeared to correlate to Feature 6. No other features were identified. Level 3 contained the same yellowish brown subsoil observed in other units in the area. A few scattered artifacts were collected from the transition between Levels 2 and 3 including shell fragments, a cut nail, and iron oxide fragments. No other artifacts were recovered from Level 3 and the unit terminated at 50 cm (20 in).

Unit 29 was excavated perpendicular to the southeastern edge of Unit 27. Similar to the other two meter (6 ft) units encompassing Feature 6, Level 1 consisted of black topsoil containing window and bottle glass along with cut nails and nail fragments. Levels 1 and 2 were excavated together to the top of Feature 6 in the western half of the unit and to Level 3 in the eastern half, as Feature 6 faded away approximately 130 cm (51 in) east of Unit 27. Level 3 was noted in the eastern half of the unit, but not excavated. Final unit depths ranged between 25 cm (10 in) and 50 cm (20 in).

Units 30 and 31 were excavated perpendicular to the northwestern edge of Unit 26. Unit 30 extended two meters (6 ft) west of Unit 26 and contained the same Level 1 black topsoil. Artifacts recovered included cut nails and nail fragments, window glass, whiteware, butchered bone, and chain links. Level 2 was excavated to the top of Feature 6 and Level 3 and included similar artifacts to Level 1 though in a higher concentration. Feature 6 faded away approximately 150 cm (59 in) west of Unit 26. Level 3 recovered butchered bone, various ceramics including whiteware and stoneware, and brick fragments. The unit terminated at roughly 80 cm (32 in).

Unit 31 was a one-by-half meter westward expansion of Unit 30. Soil Levels 1 through 3 were similar in color and composition to those of Unit 30. Artifacts retrieved from the unit included cut nails and fragments, window and bottle glass, pipe fragments, butchered bone, and brick fragments. Level 2, however, also produced an 1872 US one-cent coin with "Indian-head" motif. No other significant finds were encountered and no features were identified. The unit terminated at approximately 40 cm (16 in).

Feature 6 was identified as a cellar hole encompassing Units 26 through 30 and bisected by Units 26 and 30. It extended approximately three meters (10 ft) north-south and three and a half meters (12 ft) east-west (Figure 1). The mottled soils consisted of dark yellowish brown sand and loam, black charred organics, light gray ash and silt, and yellowish brown sand (Photograph 3). The deposit began approximately 25 cm (10 in) below surface level and terminated by 70 cm (28 in). Feature 6 had a high domestic artifact and building material concentration. Domestic artifacts included redware, whiteware, bottle glass, bone, pipe fragments, buttons, and leather fragments. Several dimensional bricks were also uncovered, although they were not articulated. Besides bricks, other building materials encountered included brick fragments, nails, window glass, and slate. Artifacts from Feature 6 are tallied in Table 6.

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##### *J. Vant Historic Site-Locus B Unit Results*

All units from Locus B were clustered along the western edge of the site in the vicinity of a large, dark soil deposit. Units 3, 5, 7, 9 through 11, 15, and 19 were positioned between Tests 218 and 219, 240 and 242, and 265 and 267. Units 12, 13, 17, and 21 extended southward from Unit 11 and ended at Test 292. Units 16 and 18 extended eastward from Unit 14 to just beyond Test 242. Unit 20 was south of Test 218 and Unit 22 was located between Tests 240 and 265. Feature and unit artifacts from the J. Vant Historic Site- Locus B are tallied in Table 9. All features, regardless of site, are listed in Table 5.

Unit 3 was a one-by-one meter (3-by-3 ft) excavation extending northwards from Unit 5. Level 1 consisted of very dark brown sandy loam lacking in cultural material. Levels 2 and 3, dark yellowish brown silty sand and dark brown silty sand, respectively, correlated to Levels 2 and 3 of Unit 3. These levels contained artifacts such as square-nails and nail fragments, whiteware, stoneware, vessel glass and window glass, and brick fragments. Level 4 was undisturbed yellowish brown sand subsoil. No features or significant deposits were identified. Unit 3 terminated at 56 cm (22 in).

Unit 4 was a one-by-one meter (3-by-3 ft) excavation positioned between Tests 240 and 265. Two soil levels were present; Level 1 consisted of dark yellowish brown sand and Level 2 contained sterile yellowish brown sand. There was no darker primary level as in Unit 3. Square-cut nails and nail fragments, window glass, butchered bone, and a pantile were recovered from Level 1 while more nail fragments and one piece of window glass were retrieved from the transition between Level 1 and 2. No features or intact archeological deposits were encountered. Unit 4 terminated at approximately 50 cm (20 in). The east wall profile and photograph are displayed in Figure 14.

Unit 5 was located adjacent to the Phase IB Test 117 and Feature 1. A one-by-one meter (3-by-3 ft) unit, the excavation attempted to fully expose Feature 1, a burn pit uncovered during the Phase IB. Level 1 of Unit 3 consisted of very dark brown loam. No artifacts were recovered. Level 2 was dark yellowish brown silty sand and contained a high concentration of artifacts including square-cut nails and fragments, shell, butchered bone and burned bone, brick fragments and pantiles, vessel and window glass, and various ceramics. Level 3 consisted of dark brown silty sand with square nails and fragments of whiteware and olive glass. Level 4, subsoil, was yellowish brown sand and no artifacts were recovered. Unit 3 terminated at 68 cm (27 in).

Feature 1 encompassed most of Unit 5 and part of Unit 11. Historically, the burn pit was excavated into Levels 2 through 4. Within the feature, the upper soil deposits consisted of mottled black organics and strong brown silty sand. The lower deposit contained black charcoal, light ash pockets, and mottled yellowish brown and dark brown sand. Artifacts retrieved from Feature 1 included whiteware and nail fragments. In general, Feature 1 appears to correlate to a later date than the remainder of the features in Locus B. The plan view and photograph of Feature 1 is included as Figure 10. The profile is displayed as Figure 11.

Unit 7, extending one-by-one meters (3-by-3 ft), bordered the western edge of Unit 9. Level 1 was very dark brown sandy loam and contained square nails, vessel and window glass shards, and brick fragments. Level 2 was dark yellowish brown sand and included nail fragments and various ceramics. Level 3 was identified as Feature 2, an L-shaped soil deposit of brown loamy sand. The limits encompassed sections of Units 7, 9, and 11. Level 4 was undisturbed subsoil of yellowish brown sand. Unit 7 terminated at just over 60 cm (24 in). The east wall profile and photograph are included as Figure 15.

Feature 2 spanned roughly 90 cm (35 in) north-south and 120 cm (47 in) east-west. The bulk of the feature was divided between Units 7 and 9 with only the tip of the ell carrying into Unit 11. The soil deposit was uncovered at approximately 53 cm (21 in) below datum and extended roughly 14 cm (6 in) deep. The brown loamy sand contained only building materials such as square-cut nails and brick fragments. Artifacts from Feature 2 are tallied in Table 9. The plan view of Feature 2 is displayed as Figure 10.

Unit 9, a one-by-one meter (3-by-3 ft) excavation, was bordered on the east and west by Units 5 and 7. Level 1 consisted of very dark brown sandy loam. Only one cut nail was recovered. Level 2 was dark yellowish brown silty sand with artifacts including square-cut nails and nail fragments, butchered bone and burned bone, various ceramics, and one precontact flake. No other precontact material was recovered from any other surrounding units. Level 3 consisted of the continuation of Feature 2 from Unit 7. The deposit was brown sandy loam; no artifacts were collected. Level 4, subsoil, was yellowish brown sand. Again, no artifacts were recovered. Unit 9 terminated at roughly 45 cm (18 in). The plan view of Unit 9 is displayed in Figure 10.

Unit 10 was a one-by-two meter (3-by-6 ft) excavation extending north from the northern edge of Unit 9. Level 1 consisted of very dark brown sandy loam and contained nail fragments and pantiles. Level 2 was dark yellowish brown silty sand and included artifacts such as nail fragments, brick fragments, pantiles, and various ceramics. Level 3 was dark yellowish brown sand and Level 4, subsoil, was yellowish brown sand. No artifacts were collected from Levels 3 or 4. Unit 10 terminated at 60 cm (24 in). The east wall profile is shown as Figure 16.

Unit 11, a one-by-two meter (3-by-6 ft) excavation, abutted the southern edges of Units 7 and 9 and the western edge of Unit 3. Level 1 was the common very dark brown sandy loam and included square-cut nails, window and vessel glass, and brick fragments. Level 2 consisted of dark yellowish brown silty sand and contained artifacts such as square nails, stoneware, whiteware, redware, and pantiles. The western half of Feature 1 was located along the eastern border of Unit 11. Feature 1 extended through Level 2 and into Level 4. Level 3 of Unit 11 correlated to Feature 2 which was only located along the northeastern border. Feature 2 also extended into Level 4, the familiar yellowish brown sandy subsoil. The plan view of Unit 11 is displayed in Figure 10.

Unit 12 was a two-by-half meter (6-by-1.5 ft) excavation extending southward from the southern edge of Unit 11. Level 1 was very dark brown sandy loam with square cut nails and brick fragments. Level 2 was yellowish brown silty sand with similar artifacts. Level 3 correlated to the dark yellowish brown sand of Level 2 in Unit 11. Nail fragments were the only artifacts collected. Level 4, subsoil, was the ubiquitous yellowish brown sand. No artifacts were collected from Level 4. Unit 12 terminated at 70 cm (28 in). The east wall profile is shown in Figure 17.

Unit 13 was a two-by-half meter (6-by-1.5 ft) extension of Unit 12. Soil levels were similar to those of Unit 12. Level 1 was very dark brown sandy loam and Level 2 consisted of yellowish brown silty sand with artifacts such as square-cut nails, stoneware, bottle glass, and brick fragments. Level 3 was dark yellowish brown sand and contained cut-nails. Level 4 consisted of yellowish brown sandy subsoil. Unit 13 terminated at 80 cm (32 in). The east wall profile is shown in Figure 17.

Unit 14, a one-by-one meter (3-by-3 ft) excavation, abutted the eastern edge of Unit 5. Level 1 consisted of very dark brown sandy loam with one nail fragment. Level 2 was dark yellowish brown silty sand and included square cut nails and bottle glass. Yellowish brown sandy subsoil was uncovered in Level 3. Two artifacts, a nail fragment and a shard of whiteware were encountered in the transition between Level 2 and 3. No features or artifact deposits were identified. Unit 14 terminated at approximately 70 cm (28 in). The east wall is shown as Figure 18.

Unit 15 extended two meters north of Unit 14. Level 1 was dark brown sandy loam with shards of bottle glass. Level 2 consisted of dark yellowish brown silty sand. Artifacts recovered from Level 2 included pantiles, iron spikes, nail fragments, stoneware, butchered bone, and miscellaneous iron fragments. Level 3, dark brown silty sand, contained coal, coal ash, nail fragments and pantile shards. Level 4 was subsoil consisting of yellowish brown sand. Unit 15 terminated at 55 cm (22 in). The west wall profile and photograph of Unit 15 are displayed as Figure 19. The north and south wall profiles are shown as Figure 20.

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Feature 4, an oblong, dark yellowish brown silty sand deposit, was identified recessed within Level 4 of unit 15. Located adjacent to the southwestern wall, Feature 4 extended roughly 40 cm (16 in) into Unit 15 and 85 cm (34 in) into Unit 19. Approximately 20 cm (8 in) in width, Feature 4 contained numerous spikes and square-cut nails. No other artifacts were recovered. The plan view of Feature 4 is displayed as Figure 12.

Unit 16, a two-by-half meter (6-by-1.5 ft) excavation, extended eastward from Unit 14. Level 1 consisted of very dark brown sandy silt and included artifacts such as vessel glass, whiteware, and brick fragments. Level 2 was dark yellowish brown sand and contained coal ash, shell, cut nails, and various iron fragments. Level 3 was also dark yellowish brown sand, but only contained shell and charcoal fragments. Level 4 was the common yellowish brown subsoil. No cultural material was recovered. No artifact deposits or features were identified and Unit 16 terminated at 65 cm (26 in). The north wall profile and photograph are shown as Figure 21.

Unit 17 extended two meters (6 ft) south from Unit 13 and contained four levels. Level 1 was dark brown sandy loam and contained nail fragments and butchered bone. Level 2 consisted of dark yellowish brown sand. Artifacts recovered included stoneware, cut nails, shell, and miscellaneous iron fragments. Level 3 was also dark yellowish brown sand and contained artifacts such as cut nails, brick fragments, and pantiles. Level 4 was the ubiquitous yellowish brown sandy subsoil. No cultural material was encountered. No features were identified and the unit terminated at 60 cm (24 in). The east wall profile is shown as Figure 22.

Unit 18 extended two meters (6 ft) east Unit 16 and contained four levels. Level 1 was dark brown sandy loam and contained bottle glass fragments. Level 2 consisted of dark yellowish brown sand. Artifacts recovered included bottle glass and pantiles. Level 3 was also dark yellowish brown sand, but contained only a single pantile fragment. Level 3 was only visible in the western half of the unit and faded away toward the center. Level 4 was the ubiquitous yellowish brown sandy subsoil. No cultural material was encountered. No features were identified and the unit terminated at 75 cm (30 in). The north wall profile and photograph are shown as Figure 23.

Unit 19 was a one-by-two meter (3-by-6 ft) excavation located between Units 10 and 15. Level 1 consisted of very dark brown sandy loam. One cut nail, one glass shard, and one ceramic were recovered. Level 2 was dark yellowish brown silty sand. Artifacts collected included pantile fragments, cut nails, whiteware, a dinner knife, and several threaded rods with nuts. Level 3 was dark brown silty sand with artifacts comparable to Level 2. The western half of Feature 4 was identified in the final centimeters of Level 3 and extended into Level 4. Only iron artifacts such as nail fragments and spikes were retrieved. Level 4 consisted of yellowish brown sand and the unit terminated at roughly 60 cm (24 in). The plan view of Unit 19 is shown in Figure 12.

Unit 20 extended two meters (6 ft) north from Unit 15 and contained three levels. Level 1 was dark brown sandy loam and contained bottle glass fragments. Level 2 consisted of dark yellowish brown sand. Artifacts recovered included iron nuts, shell, and brick fragments. Level 3 was also dark yellowish brown sand, but did not contain any artifacts. Level 4 was the ubiquitous yellowish brown sandy subsoil. No cultural material was encountered. No features were identified and the unit terminated at 55 cm (22 in).

Unit 21 extended one meter (3 ft) south from Unit 17 and contained three levels. Level 1 was dark brown sandy loam. No artifacts were recovered. Level 2 consisted of dark yellowish brown sand. Artifacts included bottle glass, stoneware, nail fragments, butchered bone, and pantiles. Level 3 was the ubiquitous yellowish brown sandy subsoil. No cultural material was encountered. No features were identified and the unit terminated at 50 cm (20 in). The east wall profile is shown as Figure 24.

Unit 22 extended one meter (3 ft) west from Unit 9 and contained three levels. Level 1 was dark brown sandy loam with cut nail and pantile fragments. Level 2 consisted of dark yellowish brown sand. Artifacts recovered included more cut nail and pantile fragments. Level 3 correlated to Level 2 of Unit 9 and was only located at the eastern end of the unit. Consisting of dark yellowish brown sand, Level 3 was only visible in the western half of the unit and faded away toward the center. Level 4 was the ubiquitous yellowish brown sandy

subsoil. No cultural material was encountered. No features were identified and the unit terminated at 35 cm (14 in). The north wall profile and floor plan are shown as Figure 25.

The dark yellowish brown silty sand documented in Levels 2 and 3 of units within Locus B, encompassed roughly 15 meters (50 ft) north-south and 8 meters (25 ft) east-west (Figure 13). The high concentration of artifacts combined with the underlying features give rise to the theory that this soil deposit is an interior structure surface, considered Feature 7 (Photograph 4). The darker layer is not documented elsewhere within Locus B. The eastern, western, and southern limits of the feature are accounted for in Units 18, 21, and 22. The northern limit was not encountered, but the land itself dips along the project boundary north of Unit 20. It appeared unlikely that the soil levels encountered within Locus B would continue beyond the landform.

**Appendix III: Artifact Inventory**

Albany Landfill Expansion Alternative 4 Phase II  
Artifact Inventory, Shovel Tests

STP	Feature	Level	Qt#	Bag #	Item	Count	Artifact Description	Weight
206	1	1	25	1	1	1	unidentified hardware, iron alloy, complete	27.8 g
210	1	1	26	1	1	1	coal, fragment	2 g
					2	1	redware, coarse earthenware, unglazed, bumed, fragment	23.7 g
					3	1	nail, iron alloy, complete, cut, bent	7.8 g
217	1	1	27	1	1	1	vessel, glass, body, colorless, mold blown, fragment	2.7 g
221	1	1	28	1	1	1	partile, ceramic, fragment	163.8 g
					2	1	unidentified hardware, composite, fragment	17.6 g
					3	7	unidentified, iron alloy, fragment	2 g
226	1	1	29	1	1	1	window, glass, fragment	0.9 g
					2	1	nail, iron alloy, fragment	4 g
227	1	1	30	1	5	5	unidentified, iron alloy, fragment	8.4 g
230	1	1	31	1	1	1	redware, coarse earthenware, unglazed, fragment	2 g
					2	1	nail, iron alloy, complete, cut, bent	1.6 g
					3	2	nail, iron alloy, fragment	5.3 g
233	1	1	32	1	6	6	whiteware, plate, refined earthenware, rim, undecorated, some fragments mend	16.6 g
					2	1	whiteware, plate, refined earthenware, body, undecorated, fragment	2.4 g
					3	2	whiteware, refined earthenware, body, undecorated, fragment	0.9 g
					4	1	buffpink bodied, hollowware, stoneware, body, salt-glazed, fragment	33.6 g
					5	2	vessel, glass, body, colorless, mold blown, fragment	1.5 g
					6	6	window, glass, fragment	5.7 g
					7	1	washer, iron alloy, complete	12.7 g
					8	1	nail, iron alloy, fragment	2.7 g
					9	1	unidentified, flat, iron alloy, fragment	0.5 g
234	2	1	33	1	1	1	vessel, glass, body, green, mold blown, fragment	0.6 g
					2	1	lamp chimney, glass, body, colorless, mold blown, fragment	0.4 g
					3	1	faunal bone, calcined, fragment	0.3 g
					4	1	button, four hole sew through, glass, complete, white	0.3 g
					5	1	redware, coarse earthenware, unglazed, fragment	41.1 g
235	1	1	34	1	1	1	whiteware, refined earthenware, body, undecorated, fragment	1 g

Albany Landfill Expansion Alternative 4 Phase II  
Artifact Inventory, Shovel Tests

SIP	Feature	Level	Cxt#	Bag#	Item	Count	Artifact Description	Weight
236	1	1	35	1	1	1	pearware, plate, refined earthenware, base, transfer printed underglaze, blue, illegible, fragment	3 g
236	2	1	36	1	1	1	whiteware, plate, refined earthenware, rim, shell edge, blue, fragment	0.9 g
		1		2	1	1	white bodied, refined earthenware, body, glaze missing, fragment	0.2 g
		1		3	1	1	tobacco pipe, ball clay-white, stem, 5/64, fragment	1 g
		1		4	1	1	tobacco pipe, ball clay-white, stem, fragment	0.7 g
		2		5	2	2	redware, coarse earthenware, unglazed, fragment	0.7 g
		2		6	2	2	nail, iron alloy, fragment	9.4 g
240	1	1	37	1	1	1	projectile point, Normanskill, chert, complete	6.4 g
		1		2	1	1	nail, iron alloy, complete, cut	1.8 g
		1		3	4	4	nail, iron alloy, fragment	6.3 g
243	1	1	38	1	1	1	unidentified, glass, pale aqua, burned, fragment	4.7 g
247	2	1	39	1	5	5	redware, coarse earthenware, unglazed, fragment	4.6 g
		1		2	1	1	nail, iron alloy, fragment	2.9 g
249	1	1	40	1	1	1	window, glass, fragment	0.2 g
		1		2	1	1	redware, coarse earthenware, unglazed, fragment	0.1 g
253	1	1	41	1	1	1	bottle, glass, shoulder, pale aqua, mold blown, fragment, mold seam	2.2 g
		1		2	1	1	vessel, glass, body, unglazed, colorless, mold blown, fragment	0.6 g
		1		3	2	2	redware, coarse earthenware, unglazed, fragment	2.8 g
		1		4	6	6	unidentified, iron alloy, fragment	17.9 g
254	1	1	42	1	2	2	faunal bone, medium mammal, tooth, fragment	14 g
		1		2	4	4	faunal bone, mammal, fragment	6.4 g
		1		3	2	2	nail, iron alloy, fragment	12.2 g
255	1	1	43	1	1	1	redware, coarse earthenware, unglazed, fragment	866.4 g
255	1	1	44	1	3	3	whiteware, plate, refined earthenware, rim, shell edge, blue, fragments mend	45.9 g
		1		2	1	1	whiteware, refined earthenware, body, undecorated, fragment	1.8 g
		1		3	1	1	redware, coarse earthenware, unglazed, fragment	689.5 g
		1		4	1	1	redware, coarse earthenware, unglazed, fragment	4.2 g
		1		5	1	1	can/can part, iron alloy, base, fragment	4.7 g
		1		6	3	3	can/can part, iron alloy, body, fragment	15.3 g

# Albany Landfill Expansion Alternative 4 Phase II Artifact Inventory, Shovel Tests

STP	Feature	Level	Cxt #	Bag #	Item	Count	Artifact Description	Weight
255		1		44	7	5	nail, iron alloy, fragment	10.5 g
					8	1	unidentified hardware, iron alloy, fragment	11.4 g
					9	5	unidentified, iron alloy, fragment	5.4 g
256		1		46	1	1	whiteware, refined earthenware, body, undecorated, fragment	1.2 g
					2	2	vessel, glass, body, colorless, mold blown, fragment	0.8 g
					3	2	window, glass, fragment	3.5 g
					4	1	shell, clam, fragment	0.7 g
					5	2	redware, coarse earthenware, unglazed, fragment	2.8 g
					6	2	mortar, fragment	0.6 g
					7	1	nail, iron alloy, complete, cut	1 g
					8	2	nail, iron alloy, complete, cut, bent	3.5 g
					9	3	nail, iron alloy, fragment	6.5 g
					10	3	unidentified hardware, iron alloy, fragment	3.5 g
257		2		47	1	1	bottle, glass, body, pale aqua, mold blown, fragment	4.2 g
					2	1	redware, coarse earthenware, unglazed, fragment	0.4 g
258		1		48	1	2	nail, iron alloy, fragment	7.4 g
259		1		49	1	1	bottle, glass, body, manganese solarized, mold blown, fragment	13.2 g
					2	1	window, glass, fragment	1.6 g
					3	2	nail, iron alloy, fragment	9.5 g
261		1		50	1	1	nail, iron alloy, fragment	2.4 g
262		1		51	1	1	window, glass, fragment	6.4 g
					2	1	nail, iron alloy, fragment	2.5 g
265		1		52	1	2	nail, iron alloy, complete, cut, bent	14.3 g
					2	5	nail, iron alloy, fragment	24.7 g
274		1		53	1	2	shell, oyster, fragment	26.5 g
					2	1	nail, iron alloy, fragment	7.2 g
275		1		54	1	1	whiteware, refined earthenware, body, undecorated, fragment	0.8 g
277		1		55	1	1	bottle, beverage, stoneware, body, fragment	27.5 g
					2	1	bottle, beverage, glass, base, embossed, amber, machine molded, "-0", fragment	3.4 g

Albany Landfill Expansion Alternative 4 Phase II  
Artifact Inventory, Shovel Tests

SITP	Feature	Level	Cxt #	Bag #	Item	Count	Artifact Description	Weight
279		1		56	1	1	vessel, glass, body, pale aqua, mold blown, fragment	1.7 g
280		1		57	1	1	whiteware, refined earthenware, hand painted underglaze, polychrome, fragment	0.5 g
					2	8	window, glass, fragment	7.7 g
					3	1	tobacco pipe, ball clay-white, bowl, fragment	1.3 g
					4	2	nail, iron alloy, complete, cut, bent	11.3 g
					5	6	nail, iron alloy, fragment	28.1 g
					6	2	unidentified, iron alloy, fragment	1.5 g
281		1		58	1	1	whiteware, refined earthenware, body, undecorated, fragment	0.5 g
					2	1	bottle, pharmaceutical, glass, body, embossed, pale aqua, mold blown, fragment	1.1 g
					3	1	nail, iron alloy, complete, cut	1.4 g
					4	1	nail, iron alloy, fragment	1.4 g
282		2		59	1	1	whiteware, hollowware, refined earthenware, body, transfer printed underglaze, blue, burned, fragment	3.6 g
					2	1	whiteware, refined earthenware, rim, shell edge, blue, fragment	0.1 g
					3	1	whiteware, hollowware, refined earthenware, body, decorated, blue, burned, fragment	0.9 g
					4	1	whiteware, refined earthenware, body, undecorated, fragment	0.1 g
					5	2	ceramic, hollowware, indeterminate, rim, glazed, fragments mend	3.7 g
					6	1	vessel, glass, body, embossed, pale aqua, illegible, fragment	1.2 g
					7	7	window, glass, fragment	2.1 g
					8	1	tobacco pipe, ball clay-white, stem, molded decoration, "PETE//ORNI", 4/64, fragment	2.2 g
					9	8	faunal bone, mammal, butcher marks	6.3 g
					10	1	redware, coarse earthenware, unglazed, burned, fragment	138.8 g
					11	1	redware, coarse earthenware, unglazed, fragment	1.5 g
					12	1	mineral sample, fragment	1.5 g
					13	2	nail, iron alloy, complete, cut, bent	2.4 g
					14	11	nail, iron alloy, fragment	43.5 g
288		1		60	1	1	faunal bone, vertebra, sawn	6.1 g
289		1		61	1	1	yellowware, hollowware, refined earthenware, rim, undecorated, fragment	38.5 g
					2	3	redware, coarse earthenware, unglazed, fragment	29.4 g
290		1		62	1	1	nail, iron alloy, complete, cut, bent	20.7 g

## Albany Landfill Expansion Alternative 4 Phase II Artifact Inventory, Shovel Tests

STP	Feature	Level	Cxt #	Bag #	Item	Count	Artifact Description	Weight
291	1	1		63	1	1	redware, coarse earthenware, unglazed	49.7 g
					2	4	window, glass, fragment	4.8 g
					3	2	nail, iron alloy, complete, cut	17.9 g
293	1			64	1	1	vessel, glass, body, colorless, mold blown, fragment	5.9 g
					2	1	nail, iron alloy, complete, cut	11.2 g
					3	1	nail, iron alloy, fragment	9.3 g
294	1			65	1	1	redware, coarse earthenware, unglazed, fragment	1.5 g
					2	1	nail, iron alloy, fragment	3.9 g
295	1			66	1	2	whiteware, refined earthenware, body, undecorated, burned, fragment	2.6 g
300	1			67	1	1	buff/pink bodied, hollowware, stoneware, body, Albany slip & salt-glazed, fragment	2.8 g
304	1			68	1	1	nail, iron alloy, complete, cut, bent	10.7 g
					2	3	nail, iron alloy, fragment	5.6 g
305	1			69	1	1	whiteware, refined earthenware, body, transfer printed underglaze, green, burned, fragment	0.9 g
					2	3	whiteware, refined earthenware, body, undecorated, burned, fragment	1.5 g
					3	2	nail, iron alloy, fragment	11.1 g
306	1			70	1	1	whiteware, refined earthenware, base, transfer printed underglaze, blue, illegible, fragment	1.1 g
					2	1	faunal bone, mammal, long bone, butcher marks	1.8 g
307	1			71	1	1	whiteware, cup, refined earthenware, rim, molded decoration, burned, fragment	1.7 g
					2	5	whiteware, refined earthenware, body, undecorated, burned, fragment	4.6 g
					3	2	faunal bone, mammal, butcher marks	2.2 g
					4	1	dressed stone, indeterminate, fragment	155.9 g
					5	1	coal, ash, fragment	0.1 g
					6	1	nail, iron alloy, complete, cut	4.5 g
					7	1	nail, iron alloy, complete, cut, bent	6.9 g
					8	4	nail, iron alloy, fragment	16.8 g
308	2			72	1	1	whiteware, refined earthenware, body, transfer printed underglaze, black, fragment	0.6 g
					2	1	whiteware, plate, refined earthenware, rim, shell edge, blue, fragment	3.8 g
					3	1	whiteware, hollowware, refined earthenware, body, shell edge, blue, fragment	0.4 g
					4	1	whiteware, hollowware, refined earthenware, rim, undecorated, fragment	6.5 g

Albany Landfill Expansion Alternative 4 Phase II  
Artifact Inventory, Shovel Tests

SIP	Feature	Level	Cxt.#	Bag.#	Item	Count	Artifact Description	Weight
308		2		72	5	1	white ware, refined earthenware, rim, undecorated, fragment	1.2 g
					6	2	white ware, hollow ware, refined earthenware, body, undecorated, fragment	6.6 g
					7	8	white ware, refined earthenware, body, undecorated, fragment	3.1 g
					8	1	lamp chimney, glass, rim, colorless, fragment	3.7 g
					9	3	lamp chimney, glass, body, colorless, fragment	1.2 g
					10	1	tobacco pipe, ball clay-white, stem, 5/64, fragment	0.8 g
					11	1	faunal bone, mammal, fragment	0.4 g
					12	1	shell, clam, fragment	0.2 g
					13	1	button, four hole sew through, glass, complete, white	0.4 g
					14	1	button, four hole sew through, glass, complete, white	0.3 g
					15	1	button, four hole sew through, copper alloy, nearly complete, molded decoration, stamped, packed in soil within film	0.3 g
					16	1	red ware, coarse earthenware, unglazed, fragment	1 g
					17	1	screw, gimlet point, iron alloy, complete	7.8 g
					18	1	wire, iron alloy, fragment	4.1 g
					19	2	nail, iron alloy, complete, cut, bent	26 g
					20	3	nail, iron alloy, complete, cut	32.1 g
					21	3	nail, iron alloy, complete, cut, bent	3.9 g
					22	22	nail, iron alloy, fragment	74.7 g
					23	3	unidentified, iron alloy, fragment	6.3 g
308		2		73	1	1	white ware, refined earthenware, body, undecorated, fragment	1.4 g
					2	1	window, glass, fragment	3 g
					3	1	faunal bone, mammal, calcined	0.4 g
					4	1	tobacco pipe, ball clay-white, stem, 5/64	2.9 g
					5	3	cartridge, casing, brass, 0.3", spent	38.3 g
					6	1	cartridge, casing, brass, 0.3"	12 g
					7	1	cartridge, brass, complete, 0.3"	13.5 g
					8	1	red ware, coarse earthenware, unglazed, burned	11.4 g
					9	1	nail, iron alloy, complete, cut	1.6 g
					10	1	nail, iron alloy, fragment	2.5 g
310		1		74	1	1	vessel, glass, body, colorless, mold blown, fragment	0.4 g

# Albany Landfill Expansion Alternative 4 Phase II

## Artifact Inventory, Shovel Tests

STP	Feature	Level	Cxt #	Bag #	Item	Count	Artifact Description	Weight
315	1	1		75	1	1	faunal bone, mammal, butcher marks	3.4 g
					2	2	faunal bone, mammal, fragment	0.6 g
					3	1	nail, iron alloy, fragment	4 g
316	1	1		76	1	1	buffpink bodied, hollowware, stoneware, body, salt-glazed, fragment	3.2 g
324	1	1		77	1	1	redware, coarse earthenware, unglazed, fragment	15.7 g
327	1	1		78	1	1	whiteware, refined earthenware, body, undecorated, fragment	0.2 g
					2	1	window, glass, fragment	0.3 g
330	1	1		79	1	12	whiteware, hollowware, refined earthenware, lid, transfer printed underglaze, black, some fragments mend	16.5 g
					2	1	white bodied, refined earthenware, body, glaze missing	0.1 g
					3	1	vessel, glass, colorless, fragment	0.1 g
					4	1	window, glass, fragment	1 g
					5	1	redware, coarse earthenware, unglazed, fragment	0.8 g
					6	2	redware, coarse earthenware, unglazed, bumed	11.2 g
331	1	1		80	1	1	whiteware, refined earthenware, rim, undecorated, fragment	1.5 g
					2	1	window, glass, fragment	0.3 g
					3	1	nail, iron alloy, complete, cut, fragments mend	6.6 g
332	2	1		81	1	1	window, glass, fragment	0.8 g
					2	1	redware, curved, coarse earthenware, unglazed, fragment	70.9 g
					3	2	redware, coarse earthenware, unglazed, fragment	1.9 g
					4	5	nail, iron alloy, fragment	34.1 g
333	1	1		82	1	1	whiteware, refined earthenware, base, undecorated, fragment	1.3 g
					2	1	whiteware, refined earthenware, body, decorated, blue, fragment	0.5 g
					3	1	buffpink bodied, hollowware, stoneware, body, Albany slip & salt-glazed, fragment	42.8 g
					4	1	window, glass, fragment	0.4 g
					5	1	tobacco pipe, ball clay-white, stem, 5/64, fragment	2.8 g
335	1	1		83	1	1	whiteware, refined earthenware, body, hand painted underglaze, polychrome, fragment, green	0.5 g
					2	1	shell, clam, fragment	3 g
					3	1	coal, ash, fragment	1.7 g
345	1	1		84	1	1	whiteware, refined earthenware, body, flow transfer print, blue, fragment	0.6 g

## Albany Landfill Expansion Alternative 4 Phase II Artifact Inventory, Shovel Tests

<u>SITP</u>	<u>Feature</u>	<u>Level</u>	<u>Cat.#</u>	<u>Bag #</u>	<u>Item</u>	<u>Count</u>	<u>Artifact Description</u>	<u>Weight</u>
347	1	1	85	1	3	yellowware, hollowware, refined earthenware, body, slip decorated, polychrome, fragment, blue with white	0.9 g	
				2	3	yellowware, refined earthenware, body, undecorated, fragment	1 g	
				3	1	redware, coarse earthenware, unglazed, fragment	0.2 g	
352	1		86	1	1	whiteware, refined earthenware, body, undecorated, fragment	1.2 g	
				2	1	bottle, glass, body, aquamarine, mold blown, fragment	4.9 g	
				3	1	vessel, glass, body, colorless, mold blown, fragment	0.3 g	
354	2		87	1	1	window, glass, fragment	0.6 g	
				2	1	tobacco pipe, ball clay-white, bowl, burned, fragment	0.4 g	
				3	1	nail, iron alloy, complete, cut, bent	7.2 g	
358	1		88	1	1	buff/pink bodied, hollowware, stoneware, body, Albany slip, fragment	2.8 g	
373	1		89	1	1	whiteware, plate, refined earthenware, rim, transfer printed underglaze, blue, fragment	1.4 g	
374	1		90	1	1	vessel, glass, body, colorless, mold blown, fragment	0.4 g	
				2	4	redware, coarse earthenware, unglazed, fragment	2.3 g	
				3	1	nail, iron alloy, fragment	2.3 g	
375	1		91	1	1	whiteware, plate, refined earthenware, body, decorated, blue, fragment	0.9 g	
				2	1	bottle, glass, body, aquamarine, mold blown, fragment	1.4 g	
				3	1	window, glass, fragment	0.9 g	
				4	1	cartridge case, .22 caliber, copper alloy, complete, "S", spent, rim fire	0.6 g	
376	1		92	1	1	whiteware, refined earthenware, body, transfer printed underglaze, blue, fragment	0.8 g	
				2	1	whiteware, refined earthenware, body, undecorated, fragment	0.2 g	
				3	1	buff/pink bodied, hollowware, stoneware, body, Albany slip & salt-glazed, fragment	12.8 g	
				4	1	bottle, glass, body, green, mold blown, fragment	2.3 g	
				5	1	bottle, glass, body, pale aqua, mold blown, fragment	4.2 g	
				6	2	bottle, glass, body, amber, mold blown, fragment	1.3 g	
				7	3	vessel, glass, body, colorless, mold blown, fragment	1.4 g	
				8	1	shell, clam, fragment	0.6 g	
				9	1	coal, burned, fragment	0.7 g	
				10	1	redware, tile, coarse earthenware, unglazed, fragment	18.3 g	
				11	1	redware, coarse earthenware, unglazed, fragment	0.7 g	

**Albany Landfill Expansion Alternative 4 Phase II  
Artifact Inventory, Shovel Tests**

SIP	Feature	Level	Cxt #	Bag #	Item	Count	Artifact Description	Weight
378		1		93	1	1	whiteware, refined earthenware, rim, undecorated, fragment	0.1 g
					2	5	whiteware, refined earthenware, body, undecorated, fragment	0.6 g
					3	1	white bodied, refined earthenware, body, glaze missing, fragment	0.1 g
					4	1	vessel, glass, body, colorless, mold blown, fragment	1.9 g
					5	2	window, glass, fragment	0.5 g
378		2		94	1	3	whiteware, refined earthenware, body, undecorated, fragment	0.7 g
					2	3	yellowware, refined earthenware, body, undecorated, fragment	0.7 g
					3	1	white bodied, refined earthenware, body, glaze missing, fragment	0.2 g
					4	1	grey bodied, hollowware, stoneware, body, salt-glazed, fragment	4.8 g
					5	1	window, glass, fragment	0.2 g
					6	1	nail, iron alloy, fragment	3.7 g
380		1		95	1	1	whiteware, refined earthenware, rim, edged, blue, fragment	3.9 g
					2	1	redware, coarse earthenware, unglazed, fragment	0.6 g
383		1		96	1	1	nail, iron alloy, fragment	10.2 g
385		1		97	1	1	whiteware, refined earthenware, body, undecorated, fragment	0.3 g
386		1		98	1	1	nail, iron alloy, fragment	2.4 g
389		1		99	1	1	whiteware, refined earthenware, rim, undecorated, fragment	3.1 g
					2	1	nail, iron alloy, complete, cut	7.5 g
396		1		100	1	1	ceramic, coarse earthenware, fragment	207.5 g
401		1		101	1	1	white bodied, refined earthenware, body, glaze missing, fragment	1.5 g
402		1		102	1	4	window, glass, fragment	23.6 g
					2	1	crown cap, iron alloy, complete	2.4 g
					3	3	unidentified, plastic, pink, some fragments mend	0.1 g
					4	1	redware, coarse earthenware, unglazed, fragment	69.3 g
403		1		103	1	1	vessel, glass, body, paneled, colorless, mold blown, fragment	1.6 g
					2	5	vessel, glass, body, colorless, mold blown, fragment	3.2 g
					3	1	faunal bone, mammal, sawn	16.8 g
					4	1	shell, shotgun, plastic and copper alloy, complete, spent	11.1 g
					5	1	unidentified, plastic, gray, fragment	0.4 g

Albany Landfill Expansion Alternative 4 Phase II  
Artifact Inventory, Shovel Tests

SIP	Feature	Level	Cxt.#	Bag.#	Item	Count	Artifact Description	Weight
403		1		103	6	2	unidentified, plastic, painted, green, burned, fragments mend	5.4 g
					7	1	redware, coarse earthenware, unglazed, fragment	4.8 g
410		1		104	1	1	bottle, glass, body, bright green, machine molded, fragment	2.4 g
417		1		105	1	1	whiteware, refined earthenware, body, undecorated, fragment	0.9 g
424		1		106	1	1	whiteware, refined earthenware, base, undecorated, fragment	2.2 g
					2	1	whiteware, refined earthenware, body, undecorated, fragment	4.1 g
					3	2	ceramic, refined earthenware, burned, fragments mend	1.2 g
					4	1	unidentified hardware, iron alloy, threaded, fragment	41.6 g
435		1		107	1	1	whiteware, hollowware, refined earthenware, lid, transfer printed underglaze, red, fragment	2 g
436		1		108	1	1	whiteware, refined earthenware, body, transfer printed underglaze, blue, fragment	1 g
441		1		109	1	1	bottle, glass, body, amber, mold blown, fragment	0.3 g
					2	1	bottle, glass, body, color applied label, green, machine molded, fragment	1.1 g
					3	1	bottle, glass, body, textured, colorless, machine molded, fragment	3.7 g
					4	2	bottle, glass, body, colorless, machine molded, fragment, mold seam	3.4 g
445		1		110	1	1	nail, iron alloy, fragment	2.3 g
447		2		111	1	1	redware, coarse earthenware, unglazed, burned	2.8 g
					2	7	nail, iron alloy, fragment	20.3 g
					3	2	unidentified, flat, iron alloy, fragment	1.4 g
448		1		112	1	1	nail, iron alloy, fragment	5.8 g

## Albany Landfill Expansion Alternative 4 Phase II Artifact Inventory, Units

Unit	Feature	Level	Cxt #	Bag #	Item	Count	Artifact Description	Weight
2		2		114	1	2	whiteware, refined earthenware, rim, hand painted underglaze, polychrome, fragment	2 g
					2	4	whiteware, refined earthenware, rim, edged, blue, fragments mend	7 g
					3	2	whiteware, refined earthenware, body, transfer printed underglaze, blue, fragment	2.3 g
					4	8	whiteware, refined earthenware, body, undecorated, fragment	7.8 g
					5	1	white bodied, refined earthenware, body, glaze missing, fragment	0.2 g
					6	1	buff/pink bodied, hollowware, stoneware, body, salt-glazed, cobalt blue, fragment	4.8 g
					7	1	buff/pink bodied, hollowware, stoneware, body, salt-glazed, fragment	3.5 g
					8	1	bottle, glass, body, pale aqua, mold blown, fragment	3.1 g
					9	3	vessel, glass, body, pale aqua, mold blown, fragment	2.6 g
					10	1	vessel, glass, body, colorless, mold blown, fragment	0.1 g
					11	3	window, glass, fragment	1 g
					12	2	faunal bone, mammal, long bone, fragment	6.1 g
					13	1	faunal bone, mammal, burned, fragment	0.2 g
					14	2	shell, clam, fragment	13.2 g
					15	2	redware, coarse earthenware, unglazed, fragment	8.1 g
					16	1	cartridge case, copper alloy, complete, "WRA / 62", center fire	13.2 g
					17	1	nut, square, iron alloy	28.1 g
					18	14	nail, iron alloy, fragment	38.3 g
					19	1	wire, iron alloy, bent, fragment	13.2 g
					20	1	unidentified hardware, flat, iron alloy, fragment	3.3 g
					21	5	unidentified, flat, iron alloy, fragment	3 g
					22	1	unidentified, iron alloy, fragment	7 g
3		2		122	1	1	whiteware, refined earthenware, body, undecorated, fragment	0.1 g
					2	1	vessel, glass, body, pale aqua, mold blown, fragment	1.9 g
					3	2	vessel, glass, body, colorless, mold blown, fragment	0.2 g
					4	1	faunal bone, calcined, fragment	0.4 g
					5	2	shell, clam, fragment	10.4 g
					6	1	mineral sample, fragment	4.3 g
					7	1	redware, coarse earthenware, unglazed, fragment	23.7 g
					8	1	nut, square, iron alloy, complete	10.2 g
					9	1	rivet, iron alloy, fragment	9.2 g

Albany Landfill Expansion Alternative 4 Phase II  
Artifact Inventory, Units

Unit	Feature	Level	Cat.#	Bag.#	Item	Count	Artifact Description	Weight
3		2		122	10	1	screw, iron alloy, fragment, slotted	3.1 g
					11	3	nail, iron alloy, complete, cut	23.4 g
					12	10	nail, iron alloy, fragment	42 g
4		1		115	1	3	bottle, glass, body, green, mold blown, fragment	10.9 g
					2	1	faunal bone, mammal, fragment	1.7 g
					3	2	redware, tile, coarse earthenware, unglazed, fragment, curved	82.9 g
					4	2	nail, iron alloy, complete, cut	11.3 g
					5	31	nail, iron alloy, fragment	157.1 g
					6	1	door hardware, iron alloy, fragment	45.5 g
4		2		116	1	2	nail, iron alloy, fragment	13.5 g
5		2		124	1	4	whiteware, refined earthenware, body, undecorated, fragment	1.3 g
					2	1	porcellaneous/hotel China, porcelain, body, undecorated, fragment	0.8 g
					3	1	bottle, glass, body, pale aqua, mold blown, fragment	4 g
					4	1	vessel, glass, body, colorless, mold blown, fragment	0.3 g
					5	3	faunal bone, calcined, fragment	0.4 g
					6	1	window putty, composite, painted, red, fragment	0.5 g
					7	1	redware, tile, coarse earthenware, unglazed, fragment, curved	275.1 g
					8	1	redware, tile, coarse earthenware, unglazed, burned, fragment	42.3 g
					9	1	wire, iron alloy, fragment	15.8 g
					10	1	screw, iron alloy, fragment, slotted	3 g
					11	2	nail, iron alloy, complete, cut, bent	15.8 g
					12	3	nail, iron alloy, complete, cut	18.5 g
					13	18	nail, iron alloy, fragment	60.7 g
6		1		117	1	2	whiteware, hollowware, refined earthenware, body, sponged, blue, fragment	3.2 g
					2	1	whiteware, refined earthenware, body, molded decoration, fragment	1.5 g
					3	22	whiteware, refined earthenware, body, undecorated, fragment	78.4 g
					4	9	white bodied, refined earthenware, body, glaze missing, fragment	1.7 g
					5	1	vessel, glass, body, colorless, mold blown, "...R / t.M. / OFFMANN-I / ...", fragment	0.2 g
					6	1	vessel, glass, body, colorless, mold blown, burned, fragment	0.1 g
					7	1	window, glass, fragment	0.2 g

## Albany Landfill Expansion Alternative 4 Phase II Artifact Inventory, Units

Unit	Feature	Level	Ext.#	Bag.#	Item	Count	Artifact Description	Weight					
6		1		117	8	1	faunal bone, mammal, long bone, sawn	27.3 g					
					9	3	faunal bone, mammal, long bone, fragment	9.6 g					
					10	3	faunal bone, mammal, fragment	5.1 g					
					11	1	shell, clam, fragment	0.6 g					
					12	7	coal, fragment	4.5 g					
					13	2	slag, fragment	17.1 g					
					14	2	plastic, white, fragment	0.1 g					
					15	2	nail, iron alloy, complete, cut	16.2 g					
					16	8	nail, iron alloy, fragment	30.1 g					
					7		1		119	1	1	vessel, glass, body, colorless, mold blown, fragment	0.3 g
										2	1	redware, tile, coarse earthenware, unglazed, fragment, curved	61.3 g
										3	1	nail, iron alloy, complete, cut	6.6 g
										4	2	nail, iron alloy, fragment	9.9 g
										1	1	whiteware, refined earthenware, base, undecorated, fragment	0.8 g
										2	22	whiteware, refined earthenware, body, undecorated, fragment	18.5 g
										3	1	buff/pink bodied, hollowware, stoneware, body, salt-glazed, fragment	9.2 g
4	3	bottle, beverage, glass, base, amber, mold blown, fragments mend	19.8 g										
5	1	bottle, glass, base, amber, mold blown, fragment	2.1 g										
6	1	bottle, glass, body, amber, mold blown, fragment, mold seam	4.3 g										
7	1	bottle, glass, body, pale aqua, mold blown, fragment	1.2 g										
8	8	window, glass, fragment	4.9 g										
9	1	faunal bone, bird, fragment	0.3 g										
10	2	faunal bone, long bone, fragment	1.8 g										
11	7	faunal bone, fragment	1.9 g										
12	1	slag, fragment	10.1 g										
13	2	redware, coarse earthenware, unglazed, fragment	1.1 g										
14	1	wire, iron alloy, fragment, coiled	10.1 g										
15	1	wire, iron alloy, fragment	17.1 g										
16	7	nail, iron alloy, fragment	31 g										
9		1	129	1	1	1	nail, iron alloy, complete, cut	2 g					

## Albany Landfill Expansion Alternative 4 Phase II Artifact Inventory, Units

Unit	Feature	Level	Cxt #	Bag #	Item	Count	Artifact Description	Weight
9		2		130	1	1	debitage, trim, quartzite, complete	0.2 g
					2	2	white ware, hollow ware, refined earthenware, rim, undecorated, fragment	3.9 g
					3	1	buff/pink bodied, bottle, stoneware, body, salt-glazed, fragment	29.2 g
					4	2	faunal bone, calcined	0.4 g
					5	2	coal, ash, fragment	0.5 g
					6	1	white bodied, refined earthenware, fragment	0.3 g
					7	2	red ware, coarse earthenware, unglazed, fragment	31.2 g
					8	1	red ware, tile, coarse earthenware, unglazed, fragment	20 g
					9	4	screw, iron alloy, fragment	20.7 g
					10	1	wire, iron alloy, fragment	25.5 g
					11	1	fastener, rivet, iron alloy, fragment	25.5 g
					12	6	nail, iron alloy, cut, bent	47 g
					13	11	nail, iron alloy, fragment	38.2 g
10		1		132	1	1	red ware, tile, coarse earthenware, unglazed, fragment	34.4 g
					2	1	nail, iron alloy, complete, cut, bent	11.4 g
10		2		133	1	2	white ware, hollow ware, refined earthenware, rim, sponged, polychrome, fragments mend	5.2 g
					2	1	white ware, refined earthenware, rim, printed and painted, polychrome, fragment	8.9 g
					3	1	white ware, refined earthenware, body, decorated, black, fragment	4.1 g
					4	4	ironstone, plate, refined earthenware, base, "IRONSTON/PEAJJ.WE.", fragments mend	30.3 g
					5	1	white ware, refined earthenware, base, undecorated, fragment	0.8 g
					6	5	white ware, refined earthenware, body, undecorated, fragment	2.1 g
					7	1	buff/pink bodied, bottle, stoneware, body, salt-glazed, fragment	29.4 g
					8	2	red ware, tile, coarse earthenware, unglazed, fragment, curved	175.1 g
					9	2	red ware, coarse earthenware, unglazed, fragment	2.7 g
					10	1	red ware, coarse earthenware, unglazed, bumed, fragment	2.3 g
					11	1	nut, iron alloy, complete	21.9 g
					12	2	nut, bolt, and washer, iron alloy, fragment	29.5 g
					13	1	wire, iron alloy, fragment	2.3 g
					14	2	nail, aluminum, complete, cut	21.3 g
					15	3	nail, iron alloy, complete, cut, bent	32 g

## Albany Landfill Expansion Alternative 4 Phase II Artifact Inventory, Units

Unit	Feature	Level	Cxt #	Bag #	Item	Count	Artifact Description	Weight
10		2		133	16	6	nail, iron alloy, complete, cut	36.7 g
					17	12	nail, iron alloy, fragment	46.2 g
					18	2	unidentified, iron alloy, fragment	4.6 g
10		3		134	1	1	tobacco pipe, ball clay-white, stem, molded decoration, "PETER / DORNI", 5/64, fragment	3.9 g
					2	1	redware, coarse earthenware, unglazed, fragment	8.2 g
					3	2	nail, iron alloy, complete, cut	15.1 g
					4	1	nail, iron alloy, complete, cut, bent	2.6 g
					5	4	nail, iron alloy, fragment	14.9 g
11		1		135	1	1	bottle, glass, body, pale aqua, mold blown, fragment	4.2 g
					2	1	vessel, glass, body, colorless, mold blown, fragment	1.2 g
					3	1	plastic, tubular, white, fragment	0.2 g
					4	1	nail, iron alloy, complete, cut, bent	7.9 g
11		2		136	1	1	redware, hollowware, refined earthenware, body, glazed, blue, fragment	11.7 g
					2	1	whiteware, plate, refined earthenware, rim, shell edge, blue, fragment	3.1 g
					3	2	whiteware, refined earthenware, body, undecorated, fragment	2.4 g
					4	1	buff/pink bodied, hollowware, stoneware, base, Albany slip, fragment	28.7 g
					5	2	vessel, glass, body, molded decoration, pale aqua, mold blown, fragment	3.3 g
					6	1	vessel, glass, body, mold blown, fragment	1.3 g
					7	4	faunal bone, calcined	1.4 g
					8	2	mineral sample, quartzite, fragment	1.5 g
					9	4	redware, tile, coarse earthenware, unglazed, fragment	369.5 g
					10	4	redware, coarse earthenware, unglazed, fragment	13.5 g
					11	1	screw, gimlet point, iron alloy, complete, bent	7.4 g
					12	1	unidentified hardware, ring/ring-shaped, iron alloy, fragment	15.8 g
					13	1	wire, iron alloy, fragment	9.6 g
					14	1	can/can part, iron alloy, rim, fragment	2.7 g
					15	8	nail, aluminum, complete, cut, bent	86.5 g
					16	1	screw, iron alloy, fragment	5.1 g
					17	22	nail, iron alloy, fragment	79.9 g
					18	1	unidentified, iron alloy, fragment	0.5 g

## Albany Landfill Expansion Alternative 4 Phase II Artifact Inventory, Units

Unit	Feature	Level	Ext#	Bag #	Item	Count	Artifact Description	Weight
12	1	1	138	1	1	1	redware, coarse earthenware, unglazed, fragment	3.4 g
	2	2		2	2	2	nail, iron alloy, fragment	8.8 g
12	1	2	139	1	1	1	yellowware, refined earthenware, base, undecorated, fragment	28.6 g
	2	1		2	1	1	buff/pink bodied, hollowware, stoneware, body, Albany slip, fragment	21.4 g
	3	2		3	2	2	bottle, beverage, glass, body, embossed, pale aqua, mold blown, fragment	19.3 g
	4	5		4	5	5	bottle, beverage, glass, body, pale aqua, mold blown, fragment	27.7 g
	5	1		5	1	1	vessel, glass, body, embossed, colorless, mold blown, fragment	0.5 g
	6	1		6	1	1	vessel, glass, body, colorless, mold blown, fragment	0.8 g
	7	1		7	1	1	window, glass, fragment	0.5 g
	8	7		8	7	7	nail, iron alloy, fragment	34.8 g
12	1	3	140	1	1	1	coal, fragment	1.4 g
	2	3		2	3	3	nail, iron alloy, fragment	9.1 g
	1	2	141	1	1	1	buff/pink bodied, hollowware, stoneware, body, Albany slip & salt-glazed, impressed, "Y", fragment	7.9 g
13	2	1		2	1	1	bottle, beverage, glass, body, pale aqua, mold blown, fragment, blob top	7.8 g
	3	4		3	4	4	nail, iron alloy, complete, cut	28.6 g
	4	1		4	1	1	nail, iron alloy, complete, cut, bent	9 g
	5	10		5	10	10	nail, iron alloy, fragment	31.3 g
	3	3	142	1	2	2	nail, iron alloy, fragment	5.4 g
14	1	1	143	1	1	1	nail, iron alloy, fragment	10.1 g
14	1	2	144	1	1	1	whiteware, refined earthenware, body, undecorated, fragment	0.3 g
	2	1		2	1	1	bottle, glass, body, pale aqua, mold blown, fragment	2.4 g
	3	1		3	1	1	coal, ash, fragment	0.2 g
	4	6		4	6	6	nail, iron alloy, fragment	27.9 g
	5	1		5	1	1	unidentified, iron alloy, fragment	1.1 g
14	1	3	145	1	1	1	Chinese export, hollowware, porcelain, rim, hand painted underglaze, blue, fragment	1 g
	2	1		2	1	1	nail, iron alloy, fragment	8.2 g
15	1	1	146	1	1	1	bottle, glass, finish, colorless, machine molded, fragment, threaded	14.6 g
	2	2		2	2	2	bottle, glass, body, colorless, machine molded, fragment	4.7 g
	3	1		3	1	1	nail, iron alloy, fragment	1.3 g

# Albany Landfill Expansion Alternative 4 Phase II Artifact Inventory, Units

Unit	Feature	Level	Cxt #	Bag #	Item	Count	Artifact Description	Weight
15		2		147	1	1	buff/pink bodied, hollowware, stoneware, handle, salt-glazed, fragment	38.7 g
					2	1	vessel, glass, body, colorless, mold blown, fragment	0.5 g
					3	1	faunal bone, mammal, sawn	3.8 g
					4	1	faunal bone, large mammal, tooth, fragment	6.9 g
					5	2	redware, tile, coarse earthenware, unglazed, fragment, curved	117.5 g
					6	2	wire, iron alloy, fragment	35.2 g
					7	1	spike, iron alloy, complete, bent	216.1 g
					8	3	spike, iron alloy, fragment	459.9 g
					9	2	screw, iron alloy, fragment, slotted	5.8 g
					10	10	nail, iron alloy, complete, cut	42.9 g
					11	5	nail, iron alloy, complete, cut, bent	22.1 g
					12	47	nail, iron alloy, fragment	124.9 g
					13	1	unidentified hardware, iron alloy, complete	32.3 g
16		1		149	1	3	whiteware, refined earthenware, body, undecorated, fragments mend	2.1 g
					2	3	vessel, glass, body, colorless, mold blown, fragment	11 g
					3	53	unidentified, glass, fragment	121.8 g
					4	2	redware, coarse earthenware, unglazed, fragment	1.3 g
16	2			150	1	1	shell, oyster, fragment	1.4 g
					2	1	coal, ash, fragment	1.5 g
					3	3	nail, iron alloy, complete, cut	17.4 g
					4	1	nail, iron alloy, complete, cut, bent	11.7 g
					5	6	nail, iron alloy, fragment	8.6 g
					6	1	unidentified hardware, ring/ring-shaped, iron alloy, fragment	19.7 g
16	3			151	1	1	shell, oyster, fragment	4.1 g
17	1			152	1	1	faunal bone, mammal, long bone, sawn	21.1 g
					2	1	nail, iron alloy, fragment	5.1 g
17	2			153	1	1	buff/pink bodied, hollowware, stoneware, body, Albany slip & salt-glazed, impressed, "...N...EE...", fragment	16.5 g
					2	1	bottle, glass, body, bright green, mold blown, fragment	0.6 g
					3	1	faunal bone, mammal, butcher marks	4.5 g
					4	1	shell, indeterminate type, fragment	0.3 g

Albany Landfill Expansion Alternative 4 Phase II  
Artifact Inventory, Units

Unit	Feature	Level	Cut #	Bag #	Item	Count	Artifact Description	Weight
17		2		153	5	1	nail, iron alloy, complete, cut	2.1 g
					6	1	unidentified hardware, square, iron alloy, fragment	19.8 g
17		3		154	1	1	redware, tile, coarse earthenware, unglazed, fragment	51.4 g
					2	1	nail, iron alloy, complete, cut, bent	10.2 g
					3	2	nail, iron alloy, fragment	9.2 g
18		1		155	1	3	bottle, glass, finish, ribbed, colorless, mold blown, fragments mend	59.1 g
					2	1	bottle, glass, base, embossed, colorless, mold blown, "...D", fragment	3.1 g
					3	2	bottle, glass, body, ribbed, colorless, mold blown, "ONE / T...", fragments mend	25.7 g
					4	2	bottle, glass, body, ribbed, colorless, mold blown, fragments mend	7.3 g
					5	16	bottle, glass, body, colorless, mold blown, some fragments mend	51.6 g
					6	1	unidentified, flat, glass, fragment	7.1 g
18		2		156	1	1	redware, coarse earthenware, unglazed, fragment	0.1 g
					2	2	vessel, glass, body, colorless, mold blown, fragment	2.8 g
					3	1	window, glass, fragment	0.3 g
18		3		157	1	1	redware, coarse earthenware, unglazed, fragment	0.1 g
19		1		158	1	1	vessel, glass, body, colorless, machine molded, fragment	1 g
					2	1	vessel, base, black, fragment, plastic	2.2 g
					3	1	nail, iron alloy, fragment	5.4 g
19		2		159	1	1	whiteware, refined earthenware, rim, undecorated, fragment	1 g
					2	1	whiteware, plate, refined earthenware, body, undecorated, fragment	6.7 g
					3	1	plastic, embossed, black, "...SHAM", fragment	0.9 g
					4	1	mineral sample, fragment	7 g
					5	2	redware, tile, coarse earthenware, unglazed, fragment, curved	343.5 g
					6	1	knife, table, iron alloy, corroded	41.9 g
					7	1	spike, iron alloy, fragment	172.8 g
					8	3	nut and bolt, iron alloy, fragment	88.2 g
					9	1	nut, iron alloy, complete	19 g
					10	2	screw, iron alloy, fragment	9.3 g
					11	3	nail, iron alloy, complete, cut	19.3 g
					12	7	nail, iron alloy, complete, cut, bent	45.1 g

# Albany Landfill Expansion Alternative 4 Phase II

## Artifact Inventory, Units

Unit	Feature	Level	Cxt #	Bag #	Item	Count	Artifact Description	Weight
19	2	2		159	13	25	nail, iron alloy, fragment	78.3 g
20	1	1		161	1	3	vessel, glass, body, colorless, mold blown, fragment	3.9 g
20	2	2		162	1	1	shell, clam, fragment	1.4 g
					2	1	redware, coarse earthenware, unglazed, fragment	15 g
					3	7	nail, iron alloy, fragment	20 g
21	2	2		163	1	1	white ware, plate, refined earthenware, body, flow transfer print, blue, fragment	3.5 g
					2	1	bottle, beverage, stoneware, finish, salt-glazed, fragment, black glaze interior	23.6 g
					3	1	faunal bone, mammal, long bone, cut marks	10.2 g
					4	2	redware, coarse earthenware, unglazed, fragment	1.4 g
					5	1	can/can part, iron alloy, fragment	1.3 g
					6	1	nail, iron alloy, fragment	4.6 g
22	1	1		164	1	1	redware, tile, coarse earthenware, unglazed, fragment	26.2 g
					2	1	nail, iron alloy, fragment	1.7 g
22	2	2		165	1	1	shell, clam, fragment	4.2 g
					2	8	redware, tile, coarse earthenware, unglazed, fragment	592.2 g
					3	1	unidentified, fragment	3.7 g
					4	4	nail, iron alloy, fragment	10.7 g
23	1	1		166	1	4	shell, oyster, fragment	52.1 g
					2	1	redware, coarse earthenware, unglazed, fragment	20.3 g
24	1	1		167	1	1	white ware, refined earthenware, rim, sponged, blue, fragment	1.3 g
					2	1	white ware, refined earthenware, body, undecorated, fragment	0.6 g
					3	2	vessel, glass, body, colorless, mold blown, fragment	4.2 g
					4	1	window, glass, fragment	0.4 g
					5	1	redware, tile, coarse earthenware, unglazed, fragment	7.7 g
					6	5	redware, coarse earthenware, unglazed, fragment	65.3 g
					7	2	nail, iron alloy, fragment	13.4 g
25	1	1		168	1	3	window, glass, fragment	5.7 g
					2	1	coal, ash, fragment	1.4 g
					3	1	mineral sample, fragment	6.4 g

Albany Landfill Expansion Alternative 4 Phase II  
Artifact Inventory, Units

Unit	Feature	Level	Cxt.#	Bag.#	Item	Count	Artifact Description	Weight
25		1		168	4	1	nail, iron alloy, complete, cut	24.7 g
25		2		169	1	1	whiteware, plate, refined earthenware, rim, edged, blue, fragment	2 g
					2	1	whiteware, hollowware, refined earthenware, rim, hand painted underglaze, polychrome, fragment	0.4 g
					3	1	whiteware, hollowware, refined earthenware, base, undecorated, fragment	7.6 g
					4	2	whiteware, refined earthenware, base, undecorated, fragment	2.5 g
					5	14	whiteware, refined earthenware, body, undecorated, fragment	8.3 g
					6	1	white bodied, refined earthenware, body, glaze missing, fragment	0.5 g
					7	1	buff/pink bodied, hollowware, stoneware, body, Albany slip & salt-glazed, fragment	49.4 g
					8	1	bottle, glass, body, green, mold blown, fragment	1.3 g
					9	1	bottle, glass, body, embossed, pale aqua, mold blown, "...N..."; fragment	3.5 g
					10	17	window, glass, fragment	21.7 g
					11	2	unidentified, glass, burned, fragment	2.8 g
					12	1	tobacco pipe, ball clay-white, bowl, molded decoration, fragment	2 g
					13	1	tobacco pipe, ball clay-white, bowl, fragment	1 g
					14	1	tobacco pipe, ball clay-white, stem, 5/64, fragment	1.5 g
					15	1	faunal bone, mammal, long bone, fragment	14.8 g
					16	9	faunal bone, mammal, fragment	5.6 g
					17	4	shell, clam, fragment	10.2 g
					18	3	shell, oyster, fragment	6.7 g
					19	6	coal, ash, fragment	4.6 g
					20	1	slag, fragment	2.7 g
					21	19	redware, coarse earthenware, unglazed, fragment	53.9 g
					22	2	brick, red, fragment	1896.1 g
					23	7	wire, iron alloy, fragment	7.6 g
					24	10	can/can part, iron alloy, fragment	11.5 g
					25	8	nail, iron alloy, complete, cut	28.9 g
					26	3	nail, iron alloy, complete, cut, bent	10.9 g
					27	7	nail, iron alloy, complete, cut, bent	45.9 g
					28	69	nail, iron alloy, fragment	262 g
25		3		171	1	1	whiteware, plate, refined earthenware, body, undecorated, fragment	2.6 g

## Albany Landfill Expansion Alternative 4 Phase II Artifact Inventory, Units

Unit	Feature	Level	Cxt.#	Bag.#	Item	Count	Artifact Description	Weight
25		3		171	2	1	white ware, hollow ware, refined earthenware, body, undecorated, fragment	2.5 g
					3	1	faunal bone, fragment	0.2 g
					4	2	red ware, coarse earthenware, unglazed, fragment	1 g
					5	1	nail, iron alloy, complete, cut	3.9 g
					6	5	nail, iron alloy, fragment	8.6 g
					26		1	172
				2	1	vessel, glass, body, colorless, mold blown, fragment	4.2 g	
				3	7	window, glass, fragment	10.8 g	
				4	2	window, glass, burned, fragment	6.9 g	
				5	1	unidentified, glass, burned, fragment	0.6 g	
				6	1	faunal bone, fragment	1.6 g	
				7	1	shell, clam, fragment	0.6 g	
				8	1	cartridge case, copper alloy, complete, "WRA / 62", spent	13.3 g	
				9	2	nail, iron alloy, complete, cut, bent	16.9 g	
				10	3	nail, iron alloy, fragment	17.4 g	
26		2		173	1	1	white ware, refined earthenware, body, transfer printed underglaze, brown, fragment	0.7 g
					2	5	white ware, saucer, refined earthenware, full profile, undecorated, fragments mend	55.7 g
					3	1	white ware, plate, refined earthenware, rim, undecorated, fragment	5.2 g
					4	1	white ware, refined earthenware, rim, undecorated, fragment	0.2 g
					5	1	white ware, refined earthenware, base, undecorated, fragment	0.5 g
					6	2	white ware, refined earthenware, body, undecorated, fragment	1.4 g
					7	1	bottle, glass, body, embossed, pale aqua, mold blown, "...D..."; fragment	5 g
					8	13	vessel, glass, body, colorless, mold blown, fragment	34.6 g
					9	38	window, glass, fragment	48.3 g
					10	6	window, glass, burned, fragment	14.2 g
					11	10	unidentified, glass, burned, fragment	36 g
					12	1	tobacco pipe, ball clay-white, bowl, fragment	1.5 g
					13	1	faunal bone, long bone, calcined, fragment	0.3 g
					14	5	faunal bone, mammal, tooth, fragment	12.8 g
					15	4	faunal bone, fragment	1.9 g

# Albany Landfill Expansion Alternative 4 Phase II

## Artifact Inventory, Units

Unit	Feature	Level	Cxt #	Bag #	Item	Count	Artifact Description	Weight
26		2		173	16	1	coal, ash, fragment	0.9 g
					17	1	button, four hole sew through, porcelain, nearly complete, polychrome, white with blue	0.5 g
					18	6	redware, coarse earthenware, unglazed, fragment	29 g
					19	1	mortar, fragment	4.2 g
					20	19	nail, iron alloy, complete, cut	33.3 g
					21	8	nail, iron alloy, complete, cut, bent	13.2 g
					22	231	nail, iron alloy, complete, cut	48.6 g
					23	10	nail, iron alloy, complete, cut, bent	24.9 g
					24	1	nail, iron alloy, complete, wire, bent	1.3 g
					25	75	nail, iron alloy, fragment	286.4 g
					26	3	wire, iron alloy, fragment	8.9 g
					27	1	unidentified hardware, iron alloy, fragment	163.6 g
					28	2	unidentified hardware, iron alloy, bent, fragment	44.5 g
26	3			199	1	15	bottle, bitters, glass, nearly complete, molded decoration, amber, mold blown, "PLANTATIONBITTERS", fragments 929	717.7 g
					2	10	faunal bone, bird, fragment	3 g
					3	1	wood, burned, fragment	0.1 g
27	1			174	1	1	whiteware, refined earthenware, body, undecorated, fragment	1.9 g
					2	1	vessel, glass, body, pale aqua, mold blown, fragment	7.2 g
					3	2	vessel, glass, body, colorless, mold blown, fragment	5 g
					4	1	window, glass, fragment	1.5 g
					5	1	faunal bone, mammal, tooth, fragment	3.9 g
					6	1	slag, fragment	7.7 g
					7	1	cartridge case, copper alloy, complete, "WRA / 62", live round, wrapped in parafilm	13.9 g
					8	1	ordnance, smokeless gun powder from 1532.174.7	0.6 g
					9	1	redware, coarse earthenware, unglazed, fragment	4.4 g
					10	1	concrete, fragment	21.9 g
					11	3	nail, iron alloy, complete, cut	2.9 g
					12	13	nail, iron alloy, fragment	37.7 g
					13	1	unidentified hardware, rod, iron alloy, fragment	59.7 g
27	2			175	1	3	bottle, glass, finish, pale aqua, liping-tooled, fragments mend	108.7 g

## Albany Landfill Expansion Alternative 4 Phase II Artifact Inventory, Units

Unit	Feature	Level	Cxt.#	Bag #	Item	Count	Artifact Description	Weight
27		2		175	2	1	bottle, glass, body, embossed, pale aqua, mold blown, illegible, fragment	0.9 g
					3	4	vessel, glass, body, pale aqua, mold blown, fragment	2.1 g
					4	1	lamp chimney, glass, body, colorless, mold blown, fragment	0.3 g
					5	4	window, glass, fragment	6.8 g
					6	4	unidentified, glass, burned, fragment	6.1 g
					7	2	shell, clam, fragment	3.2 g
					8	6	coal, ash, fragment	37.9 g
					9	1	slag, fragment	3.4 g
					10	1	button, four hole sew through, porcelain, complete, white	0.3 g
					11	2	redware, coarse earthenware, unglazed, fragment	2.2 g
					12	3	mortar, fragment	5.5 g
					13	1	whiteware, refined earthenware, body, undecorated, burned, fragment	3.3 g
					14	2	wire, iron alloy, fragment	6.4 g
					15	1	screw, gimlet point, iron alloy, complete, slotted	4.3 g
					16	41	nail, iron alloy, complete, cut	58.5 g
					17	13	nail, iron alloy, complete, cut, bent	45.9 g
					18	35	nail, iron alloy, complete, cut	90.6 g
					19	15	nail, iron alloy, complete, cut, bent	62.3 g
					20	71	nail, iron alloy, fragment	159.3 g
28		1		176	1	1	grey bodied, hollowware, stoneware, body, Albany slip & salt-glazed, fragment	4.9 g
					2	4	window, glass, fragment	4.1 g
					3	10	shell, clam, fragment	35.1 g
					4	11	redware, coarse earthenware, unglazed, fragment	20.6 g
					5	2	coal, ash, fragment	6.6 g
					6	1	nail, iron alloy, complete, cut	1.1 g
					7	3	nail, iron alloy, fragment	11.4 g
28		2		177	1	1	whiteware, refined earthenware, rim, transfer printed underglaze, blue, fragment	1.3 g
					2	2	whiteware, refined earthenware, body, undecorated, fragment	7.8 g
					3	1	whiteware, refined earthenware, body, undecorated, burned, fragment	1 g
					4	1	buff/pink bodied, hollowware, stoneware, body, salt-glazed, fragment	16.2 g

**Albany Landfill Expansion Alternative 4 Phase II  
Artifact Inventory, Units**

Unit	Feature	Level	Cxt.#	Bag #	Item	Count	Artifact Description	Weight
28		2		177	5	1	grey bodied, hollowware, stoneware, body, Albany slip & salt-glazed, stained, fragment	3 g
					6	3	grey bodied, hollowware, stoneware, body, Albany slip & salt-glazed, fragment	11.1 g
					7	9	window, glass, fragment	10.8 g
					8	2	faunal bone, mammal, long bone, fragment	1.6 g
					9	10	shell, clam	38.8 g
					10	1	redware, tile, coarse earthenware, unglazed, fragment	58.7 g
					11	20	redware, coarse earthenware, unglazed, fragment	132.9 g
					12	5	coal, ash, fragment	17.4 g
					13	1	coal, burned	0.9 g
					14	1	nail, iron alloy, complete, cut	25.6 g
					15	10	nail, iron alloy, fragment	30.4 g
					16	5	unidentified, iron alloy, fragment	2.6 g
28		3		178	1	4	shell, clam, fragment	10.9 g
					2	1	redware, tile, coarse earthenware, unglazed, fragment	23.3 g
					3	3	redware, coarse earthenware, unglazed, fragment	5.8 g
					4	4	nail, iron alloy, fragment	23.1 g
					5	2	unidentified hardware, iron alloy, fragment	2.1 g
29		2		179	1	3	whiteware, refined earthenware, body, undecorated, fragment	5.1 g
					2	1	bottle, beverage, glass, base, pale aqua, mold blown, fragment	60.8 g
					3	1	vessel, glass, body, pale aqua, mold blown, fragment	4.4 g
					4	28	window, glass, fragment	49.9 g
					5	1	unidentified, glass, melted, fragment	2.5 g
					6	1	coal, burned	15.3 g
					7	1	redware, coarse earthenware, body, unglazed, fragment	0.3 g
					8	1	staple, fence, iron alloy, complete	31.1 g
					9	1	sheet metal, triangular, iron alloy, bent	30.4 g
					10	1	strap, iron alloy, fragment	69.2 g
					11	1	ring/ring shaped, iron alloy, fragment	10 g
					12	1	tack, iron alloy, complete, cut	1.8 g
					13	4	nail, iron alloy, complete, cut	28.2 g

# Albany Landfill Expansion Alternative 4 Phase II Artifact Inventory, Units

Unit	Feature	Level	Cxt #	Bag #	Item	Count	Artifact Description	Weight
29		2		179	14	1	nail, iron alloy, complete, cut, bent	7.7 g
					15	10	nail, iron alloy, complete, cut	48.6 g
					16	2	nail, iron alloy, complete, cut, bent	7.6 g
					17	20	nail, iron alloy, fragment	124.4 g
30		1		180	1	2	whiteware, refined earthenware, body, undecorated, fragment	6.5 g
					2	1	vessel, glass, body, colorless, mold blown, burned, fragment	2.1 g
					3	1	window, glass, fragment	0.9 g
					4	1	window, glass, burned, fragment	2.2 g
					5	1	faunal bone, mammal, fragment	2.4 g
					6	2	coal, ash, fragment	2.8 g
					7	1	hook, iron alloy, fragment, with chain	121.4 g
					8	5	nail, iron alloy, complete, cut	14.9 g
					9	2	nail, iron alloy, complete, cut, bent	12.8 g
					10	2	nail, iron alloy, fragment	6.7 g
30		2		181	1	1	bottle, beverage, glass, finish, pale aqua, lipping-tooled, fragment, blob top	33.6 g
					2	2	bottle, glass, base, pale aqua, mold blown, fragments mend	10.4 g
					3	1	bottle, glass, finish, dark green, lipping-tooled, fragment	11.4 g
					4	1	bottle, glass, base, green, mold blown, devitrified, fragment	12.7 g
					5	2	bottle, glass, body, green, mold blown, fragment	9.9 g
					6	4	vessel, glass, body, colorless, mold blown, burned, fragment	2.8 g
					7	4	window, glass, fragment	2 g
					8	4	unidentified, glass, burned, fragment	10.4 g
					9	1	faunal bone, medium mammal, mandible, fragment, with teeth	19.7 g
					10	1	faunal bone, mammal, tooth, fragment	0.6 g
					11	5	faunal bone, mammal, fragment	5.6 g
					12	2	faunal bone, mammal, cranium, burned, fragments mend	7.7 g
					13	6	faunal bone, mammal, burned, fragment	7.4 g
					14	3	faunal bone, calcined, fragment	1.9 g
					15	2	slag, fragment	1.1 g
					16	2	redware, coarse earthenware, unglazed, fragment	8.5 g

## Albany Landfill Expansion Alternative 4 Phase II

### Artifact Inventory, Units

Unit	Feature	Level	Cont #	Bag #	Item	Count	Artifact Description	Weight					
30		2		181	17	1	unidentified, lead, fragment	1.5 g					
					18	1	wire, iron alloy, fragment	4.2 g					
					19	1	chain, iron alloy, fragment	39.8 g					
					20	44	can/can part, iron alloy, fragment	39.9 g					
					21	23	nail, iron alloy, complete, cut	33.8 g					
					22	9	nail, iron alloy, complete, cut, bent	20.3 g					
					23	22	nail, iron alloy, complete, cut	45.4 g					
					24	7	nail, iron alloy, complete, cut, bent	25.2 g					
					25	90	nail, iron alloy, fragment	196.3 g					
					26	1	unidentified, ring/ring-shaped, plastic, black	0.5 g					
					30		3		196	1	1	redware, coarse earthenware, unglazed, fragment	0.7 g
										2	1	vessel, glass, colorless, fragment	0.2 g
										3	1	window, glass, fragment	0.2 g
										4	10	faunal bone, deer/goat/sheep, incisor	4.1 g
										5	2	faunal bone, deer/goat/sheep, premolar	1.8 g
										6	2	faunal bone, deer/goat/sheep, molar	9.5 g
										7	10	faunal bone, deer/goat/sheep, mandible, fragment	50.4 g
										8	1	faunal bone, mammal, tooth, fragment	0.1 g
										9	33	faunal bone, fragment	14.8 g
										10	2	faunal bone, mammal, burned, fragment	1.9 g
										11	1	coal, burned, fragment	2.2 g
										12	2	plaster, white, fragment	0.6 g
										13	2	mineral sample, fragment	6.6 g
										14	1	wood, fragment	0.2 g
										15	2	nail, iron alloy, complete, cut	2.8 g
										16	3	nail, iron alloy, complete, cut, bent	12.8 g
17	7	nail, iron alloy, complete, cut	27.1 g										
18	12	nail, aluminum, fragment	20.6 g										
19	3	unidentified, iron alloy, fragment	4.8 g										
31		1		182	1	1	nail, iron alloy, complete, cut, bent	9.9 g					

**Albany Landfill Expansion Alternative 4 Phase II  
Artifact Inventory, Units**

<u>Unit</u>	<u>Feature</u>	<u>Level</u>	<u>Cxt.#</u>	<u>Bag #</u>	<u>Item</u>	<u>Count</u>	<u>Artifact Description</u>	<u>Weight</u>
31		2		197	1	4	window, glass, fragment	3.5 g
					2	1	tobacco pipe, ball clay-white, stem, 6/64, fragment	0.8 g
					3	1	faunal bone, mammal, tooth, fragment	1.8 g
					4	3	faunal bone, mammal, cranium, fragment	7.1 g
					5	1	coin, US penny, copper alloy, complete, "ONE CENT / UNITED STATES OF AMERICA 1872", packed in soil	3.1 g
					6	2	redware, coarse earthenware, unglazed, fragment	0.8 g
					7	3	nail, iron alloy, complete, cut	4.5 g
					8	2	nail, iron alloy, complete, cut, bent	4.4 g
					9	8	nail, iron alloy, fragment	25 g
31		3		198	1	4	window, glass, fragment	9.2 g
					2	1	faunal bone, fragment	1.4 g
					3	1	nail, iron alloy, complete, cut, bent	1.6 g
					4	1	unidentified, iron alloy, fragment	6.6 g

## Albany Landfill Expansion Alternative 4 Phase II Artifact Inventory, Features

Feature	Level	Cont #	Bag #	Item	Count	Artifact Description	Weight
1	2		201	1	1	soil sample	2458.5 g
			183	1	1	white ware, refined earthenware, body, undecorated, fragment	0.4 g
				2	1	nail, iron alloy, complete, cut	7.4 g
				3	2	nail, iron alloy, fragment	9.8 g
				4	2	unidentified, iron alloy, fragment	9.5 g
3	2		113	1	1	debitage, rim, chert, proximal fragment	0.1 g
			127	1	1	red ware, coarse earthenware, rim, lead glaze, fragment	5.6 g
			113	2	1	white ware, refined earthenware, rim, edged, blue, fragment	1.9 g
			127	2	3	white ware, refined earthenware, rim, hand painted underglaze, polychrome, fragments mend, green and black	2.3 g
			113	3	2	white ware, refined earthenware, body, sponged, blue, fragments mend	1.7 g
			127	3	1	white ware, refined earthenware, rim, hand painted underglaze, polychrome, fragment, green	0.6 g
			113	4	1	white ware, refined earthenware, rim, hand painted underglaze, red, fragment	5.9 g
			127	4	1	white ware, refined earthenware, body, hand painted underglaze, polychrome, fragment, green and red	1.8 g
				5	1	white ware, plate, refined earthenware, rim, transfer printed underglaze, blue, fragment	1.2 g
			113	5	4	white ware, plate, refined earthenware, rim, undecorated, fragments mend	21.4 g
				6	3	white ware, hollowware, refined earthenware, rim, undecorated, fragments mend	2.4 g
			127	6	2	white ware, refined earthenware, body, transfer printed underglaze, blue, fragment	0.1 g
				7	2	white ware, refined earthenware, body, flow transfer print, blue, fragment	0.9 g
			113	7	3	white ware, refined earthenware, rim, undecorated, fragment	6.3 g
				8	2	white ware, hollowware, refined earthenware, base, undecorated, fragments mend	6.9 g
			127	8	5	white ware, plate, refined earthenware, rim, edged, blue, some fragments mend	32.9 g
			113	9	3	white ware, plate, refined earthenware, base, undecorated, fragments mend	15.7 g
			127	9	1	white ware, plate, refined earthenware, rim, decorated, blue, fragment	0.5 g
				10	3	white ware, plate, refined earthenware, body, decorated, blue, fragment	1.7 g
			113	10	1	white ware, refined earthenware, base, undecorated, burned, fragment	2.2 g
			127	11	7	white ware, hollowware, refined earthenware, rim, undecorated, some fragments mend	68.2 g
			113	11	3	white ware, refined earthenware, base, undecorated, fragment	2.2 g
			127	12	2	white ware, plate, refined earthenware, rim, undecorated, fragment	25.6 g
			113	12	1	white ware, plate, refined earthenware, body, undecorated, fragment	2.1 g
			127	13	6	white ware, refined earthenware, rim, undecorated, some fragments mend	10.4 g
			113	13	53	white ware, refined earthenware, body, undecorated, fragment	40.1 g

## Albany Landfill Expansion Alternative 4 Phase II Artifact Inventory, Features

Feature	Level	Cxt #	Bag #	Item	Count	Artifact Description	Weight
3	2		113	14	1	buff/pink bodied, hollowware, stoneware, body, Albany slip & salt-glazed, fragment	7.5 g
			127	14	3	whiteware, plates, refined earthenware, base, undecorated, fragment	9.9 g
			113	15	1	bottle, glass, body, green, mold blown, fragment	0.9 g
			127	15	22	whiteware, hollowware, refined earthenware, base, undecorated, some fragments mend	216.7 g
			113	16	18	whiteware, hollowware, refined earthenware, body, undecorated, fragment	158.9 g
			113	16	1	bottle, glass, body, green, mold blown, fragment	0.3 g
			17	1	1	bottle, glass, body, embossed, pale aqua, mold blown, illegible, fragment	3.1 g
			127	17	217	whiteware, refined earthenware, body, undecorated, fragment	234.6 g
			18	4	4	white bodied, refined earthenware, body, glaze missing, fragment	0.3 g
			113	18	1	bottle, glass, finish, colorless, mold blown, fragment	1.8 g
			19	3	3	vessel, glass, body, pale aqua, mold blown, fragment	6.6 g
			127	19	1	buff/pink bodied, hollowware, stoneware, body, Albany slip & salt-glazed, impressed, "...F[... / ...OTBEE...", fragment	51.7 g
			20	1	1	buff/pink bodied, stoneware, body, Albany slip & salt-glazed, impressed, illegible, fragment	0.8 g
			113	20	7	vessel, glass, body, colorless, mold blown, fragment	4.5 g
			21	6	6	vessel, glass, body, colorless, mold blown, burned, fragment	6.5 g
			127	21	7	buff/pink bodied, stoneware, body, Albany slip & salt-glazed, fragment	73 g
			22	1	1	buff/pink bodied, hollowware, stoneware, body, salt-glazed, fragment	3 g
			113	22	13	lamp chimney, glass, body, colorless, mold blown, fragment	3.9 g
			23	48	48	window, glass, fragment	89.6 g
			127	23	1	buff/pink bodied, hollowware, stoneware, body, glazed, black, fragment	0.1 g
			113	24	1	tobacco pipe, ball clay-white, bowl and spur, 6/64, fragment	2.7 g
			127	24	4	bottle, glass, body, green, mold blown, fragment	23.3 g
			113	25	1	tobacco pipe, ball clay-white, bowl, molded decoration, fragment	0.1 g
			127	25	2	bottle, glass, base, amber, mold blown, fragment	5.2 g
			113	26	2	tobacco pipe, ball clay-white, bowl, fragment	1.6 g
			127	26	1	bottle, glass, body, amber, mold blown, fragment	1 g
			113	27	1	tobacco pipe, ball clay-white, stem, 6/64, fragment	1.6 g
			127	27	1	bottle, glass, body, paneled, pale aqua, mold blown, "...ARRISO...", fragment	3.3 g
			113	28	1	tobacco pipe, ball clay-white, stem, molded decoration, "PETER / DORNI", 5/64, fragment	2.5 g
			127	28	1	bottle, glass, body, paneled, pale aqua, mold blown, fragment	4 g
			29	1	1	bottle, glass, body, pale aqua, mold blown, fragment, mold seam	0.7 g

## Albany Landfill Expansion Alternative 4 Phase II Artifact Inventory, Features

Feature	Level	Cxt #	Bag #	Item	Count	Artifact Description	Weight
3	2		113	29	1	tobacco pipe, ball clay-white, stem, molded decoration, "P / I", 5/64, fragment	2.7 g
			127	30	1	drinking, tumbler, glass, rim, fluted, colorless, press molded, fragment	17.2 g
			113	30	2	tobacco pipe, ball clay-white, stem, 5/64, fragment	3 g
			127	31	2	drinking, tumbler, glass, base, paneled, colorless, press molded, fragments mend	26.8 g
			113	31	1	tobacco pipe, ball clay-white, stem, fragment	0.3 g
			127	32	1	drinking, tumbler, glass, body, fluted, colorless, press molded, fragment	5.7 g
			113	32	1	faunal bone, mammal, long bone, cut marks	7.2 g
			127	33	8	vessel, glass, body, colorless, mold blown, fragment	11.5 g
			113	33	2	faunal bone, mammal, rib, cut marks	2.4 g
				34	23	faunal bone, mammal, fragment	28.7 g
			127	34	1	vessel, glass, body, colorless, mold blown, burned, fragment	0.4 g
				35	4	vessel, glass, body, pale aqua, mold blown, fragment	2.4 g
			113	35	7	faunal bone, mammal, tooth, fragment	13.4 g
			127	36	3	lamp chimney, glass, body, colorless, mold blown, fragment	0.3 g
			113	36	2	faunal bone, mammal, burned, fragment	2.4 g
				37	13	faunal bone, long bone, fragment	1.8 g
			127	37	36	window, glass, fragment	55.1 g
			113	38	8	faunal bone, fragment	1.2 g
			127	38	1	tobacco pipe, ball clay-white, bowl, molded decoration, "TD", fragment	3.2 g
			113	39	8	faunal bone, calcined, fragment	3.5 g
			127	39	1	tobacco pipe, ball clay-white, bowl, molded decoration, fragment	0.6 g
			113	40	7	shell, clam, fragment	21.9 g
			127	40	4	tobacco pipe, ball clay-white, bowl, fragment	2.5 g
			113	41	4	coal, fragment	5.4 g
			127	41	1	tobacco pipe, ball clay-white, bowl, burned, fragment	0.4 g
			113	42	6	coal, ash, fragment	21.3 g
			127	42	2	tobacco pipe, ball clay-white, stem, 6/64, fragments mend	1.1 g
			113	43	2	button, four hole sew through, glass, complete, white	1.7 g
			127	43	1	tobacco pipe, ball clay-white, stem, molded decoration, "PTER / DORN", 5/64, fragment	2 g
			113	44	1	button, cloth, complete	1.4 g
			127	44	1	tobacco pipe, ball clay-white, stem, 4/64, fragment	1.7 g

Albany Landfill Expansion Alternative 4 Phase II  
Artifact Inventory, Features

Feature	Level	Cxt #	Bag #	Item	Count	Artifact Description	Weight
3	2		127	45	1	faunal bone, mammal, long bone, cut marks	10.9 g
			113	45	1	clasp, iron alloy, fragment, suspender	3.7 g
				46	1	unidentified, copper alloy, fragment	0.1 g
			127	46	2	faunal bone, mammal, rib, cut marks	2.7 g
			113	47	13	redware, coarse earthenware, unglazed, fragment	48.7 g
			127	47	2	faunal bone, cut marks	2.7 g
				48	10	faunal bone, mammal, rib, fragment	6.9 g
			113	48	9	mortar, fragment	7.8 g
				49	1	unidentified hardware, copper alloy, nail holes, fragment	3.3 g
			127	49	3	faunal bone, mammal, long bone, fragment	2.1 g
			113	50	5	wire, iron alloy, fragment	4 g
			127	50	5	faunal bone, mammal, fragment	10.1 g
				51	3	faunal bone, bird, long bone, fragment	0.9 g
			113	51	1	bolt and nut, iron alloy, fragment	57.7 g
			127	52	31	faunal bone, fragment	7.3 g
			113	52	1	screw, gimlet point, iron alloy, complete	4.1 g
			127	53	1	faunal bone, calcined, fragment	0.3 g
			113	53	7	screw, iron alloy, fragment	21.3 g
			127	54	5	shell, clam, fragment	23.5 g
			113	54	4	can/can part, iron alloy, fragment	9.1 g
			127	55	4	shell, oyster, fragment	60.4 g
			113	55	12	nail, iron alloy, complete, cut	95.4 g
				56	18	nail, iron alloy, complete, cut, bent	139.5 g
			127	56	1	wood, burned, fragment	0.2 g
				57	2	coal, burned, fragment	14.3 g
			113	57	5	nail, iron alloy, complete, cut, bent	9.2 g
				58	330	nail, iron alloy, fragment	1111.3 g
			127	58	1	coal, ash, fragment	0.1 g
				59	3	slag, fragment	5.9 g
			113	59	1	unidentified hardware, iron alloy, twisted, fragment	1.3 g
				60	2	unidentified hardware, iron alloy, fragment	27.7 g

## Albany Landfill Expansion Alternative 4 Phase II Artifact Inventory, Features

Feature	Level	Cxt #	Bag #	Item	Count	Artifact Description	Weight
3	2		127	60	1	doll part, porcelain, arm, fragment	1.8 g
			113	61	1	unidentified hardware, tapered, iron alloy, fragment	25.6 g
			127	61	1	buckle, iron alloy, fragment	8.7 g
			113	62	31	unidentified, iron alloy, fragment	21.5 g
			127	62	3	plaster, fragment	6.6 g
			113	63	1	unidentified, iron alloy, fragment	476.3 g
			127	63	1	mortar, fragment	4.2 g
			64	22		redware, coarse earthenware, unglazed, fragment	19.2 g
			65	2		mineral sample, fragment	277 g
			66	1		can/can part, iron alloy, fragment, rectangular	30.1 g
			67	1		wire, iron alloy, fragment	6.3 g
			68	1		screw, gimlet point, iron alloy, fragment	3 g
			69	3		tack, iron alloy, complete	3.1 g
			70	7		nail, iron alloy, complete, cut	41.1 g
			71	5		nail, iron alloy, complete, cut, bent	45.4 g
			72	8		nail, iron alloy, complete, cut	40.2 g
			73	13		nail, iron alloy, complete, cut, bent	100.8 g
			74	210		nail, iron alloy, fragment	628.4 g
			75	1		unidentified hardware, iron alloy, fragment	1.8 g
			76	1		unidentified hardware, iron alloy, fragment	6.2 g
			77	1		unidentified hardware, tapered, iron alloy, fragment	72.6 g
			78	2		unidentified hardware, rod, iron alloy, fragment	42.8 g
			79	1		unidentified hardware, flat, iron alloy, fragment	3.4 g
			80	1		unidentified hardware, iron alloy, bent	16.5 g
			81	23		unidentified, iron alloy, bent	27.8 g
3	2		118	1	1	white ware, plate, refined earthenware, rim, hand painted underglaze, polychrome, fragment	2.3 g
				2	1	white ware, hollow ware, refined earthenware, rim, hand painted underglaze, polychrome, fragment	1.4 g
				3	7	white ware, hollow ware, refined earthenware, rim, undecorated, fragment	20.3 g
				4	2	white ware, plate, refined earthenware, rim, undecorated, fragment	8.4 g
				5	8	white ware, refined earthenware, rim, undecorated, fragment	5.2 g
				6	1	white ware, plate, refined earthenware, body, hand painted underglaze, fragment	1.1 g

# Albany Landfill Expansion Alternative 4 Phase II Artifact Inventory, Features

Feature	Level	Cxt #	Bag #	Item	Count	Artifact Description	Weight
3	2		118	7	2	whiteware, plate, refined earthenware, body, flow transfer print, blue, fragments mend	2.4 g
				8	1	whiteware, hollowware, refined earthenware, body, transfer printed underglaze, molded decoration, blue, fragment	2.8 g
				9	1	whiteware, hollowware, refined earthenware, body, handle term., molded decoration, fragment	1.1 g
				10	1	whiteware, refined earthenware, body, molded decoration	0.2 g
				11	3	whiteware, hollowware, refined earthenware, body, undecorated, fragment	23.5 g
				12	1	whiteware, plate, refined earthenware, body, undecorated, fragment	0.3 g
				13	3	whiteware, refined earthenware, body, molded decoration, fragment	1.8 g
				14	148	whiteware, refined earthenware, body, undecorated, fragment	107.2 g
				15	1	whiteware, refined earthenware, base, transfer printed underglaze, blue, "ADAMS", fragment	1.1 g
				16	1	whiteware, plate, refined earthenware, base, undecorated, fragment	2.7 g
				17	9	whiteware, refined earthenware, base, undecorated, fragment	19.9 g
				18	1	white bodied, refined earthenware, body, undecorated, burned, fragment	2 g
				19	2	drinking, tumbler, glass, rim, paneled, colorless, press molded, fragments mend	15.7 g
				20	2	vessel, glass, rim, colorless, mold blown, fragment	1.3 g
				21	4	vessel, glass, body, dark green, mold blown, fragment	2.9 g
				22	1	vessel, glass, body, pale aqua, mold blown, fragment	0.5 g
				23	27	window, glass, fragment	25 g
				24	1	window, glass, burned, fragment	0.3 g
				25	1	unidentified, glass, colorless, burned, fragment	0.9 g
				26	1	tobacco pipe, ball clay-white, bowl, fragment	0.6 g
				27	1	tobacco pipe, ball clay-white, bowl and stem, molded decoration, "PEN", 5/64, fragment	4.7 g
				28	2	tobacco pipe, ball clay-white, stem, 5/64, fragment	3.7 g
				29	1	faunal bone, mammal, epiphysis, butcher marks	4.9 g
				30	7	faunal bone, mammal, long bone, butcher marks, fragment	6.6 g
				31	1	faunal bone, mammal, calcined, sawn, fragment	1.7 g
				32	5	faunal bone, mammal, calcined, fragment	2.4 g
				33	5	faunal bone, turtle, carapace, fragments mend	16.4 g
				34	2	faunal bone, bird, long bone, fragment	0.9 g
				35	1	faunal bone, bird, cranium, fragment	0.1 g
				36	1	faunal bone, mammal, fragment	7.8 g
				37	1	faunal bone, mammal, phalange, fragment	1.6 g

## Albany Landfill Expansion Alternative 4 Phase II Artifact Inventory, Features

Feature	Level	Cxt #	Bag #	Item	Count	Artifact Description	Weight
3	2		118	38	1	faunal bone, pig, molar, fragment	1.1 g
				39	1	faunal bone, mammal, fragment	3 g
				40	1	faunal bone, pig, rib, fragment	3.8 g
				41	2	faunal bone, turtle, plastron, fragment	1 g
				42	20	faunal bone, mammal, fragment	9 g
				43	17	faunal bone, fragment	8.3 g
				44	1	shell, clam, fragment	17.8 g
				45	2	shell, oyster, fragment	1.7 g
				46	1	botanical sample, botanical, fragment	0.3 g
				47	9	redware, coarse earthenware, unglazed, fragment	19.9 g
				48	1	redware, coarse earthenware, unglazed, burned, fragment	34.9 g
				49	1	mortar, fragment	5.3 g
				50	2	coal, fragment	1.2 g
				51	1	wood, burned, fragment	0.1 g
				52	1	coal, burned, fragment	2.3 g
				53	8	coal, ash, fragment	69.9 g
				54	5	slag, fragment	25.3 g
				55	1	fire-cracked rock, quartzite	2.9 g
				56	1	foil, aluminum, fragment	0.5 g
				57	1	button, four hole sew through, bone, complete	0.3 g
				58	1	utensil handle, bone, decorated, fragment	3.4 g
				59	1	textile, green, fragment	0 g
				60	1	unidentified hardware, iron alloy, fragment	4.3 g
				61	1	pipe, iron alloy, fragment	79.1 g
				62	2	container, iron alloy, lid	23.8 g
				63	1	fastener, iron alloy, hook, complete	0.3 g
				64	1	wire, iron alloy, fragment	0.6 g
				65	3	unidentified, tubular, base metal, fragment	1.2 g
				66	9	unidentified, flat, iron alloy, fragment	4.4 g
				67	1	unidentified hardware, iron alloy	0.6 g
				68	2	unidentified, iron alloy	9.3 g

# Albany Landfill Expansion Alternative 4 Phase II Artifact Inventory, Features

Feature	Level	Cxt #	Bag #	Item	Count	Artifact Description	Weight
3	2		118	69	1	unidentified, base metal	13.3 g
				70	2	nail, iron alloy, complete, cut	18.4 g
				71	4	nail, iron alloy, complete, cut, bent	34.2 g
				72	1	nail, iron alloy, complete, cut, bent	8 g
				73	2	nail, iron alloy, complete, cut	15.5 g
				74	6	nail, iron alloy, complete, cut	11.8 g
				75	118	nail, iron alloy, fragment	317.6 g
5	2		202	1	1	soil sample	2916.6 g
6	2		200	1	1	soil sample	2898.5 g
			188	1	1	whiteware, hollowware, refined earthenware, body, sponged and painted, polychrome, fragment, blue, green and blue	2 g
			191	1	1	whiteware, plate, refined earthenware, body, edged, blue, fragment	0.3 g
			188	2	1	whiteware, refined earthenware, rim, hand painted underglaze, polychrome, fragment, green	0.8 g
			191	2	1	whiteware, refined earthenware, base, undecorated, fragment	2.7 g
			188	3	1	whiteware, hollowware, refined earthenware, rim, hand painted underglaze, polychrome, fragment, blue with red	1.2 g
			191	3	3	whiteware, refined earthenware, body, undecorated, fragment	0.9 g
				4	1	bottle, glass, body, green, mold blown, devitrified, fragment	1.1 g
			188	4	1	whiteware, hollowware, refined earthenware, body, hand painted underglaze, polychrome, fragment, green	1.2 g
			191	5	1	bottle, glass, shoulder, pale aqua, fragment, mold seam	19 g
			188	5	1	whiteware, plate, refined earthenware, rim, shell edge, blue, fragment	20.9 g
			191	6	1	vessel, glass, rim, colorless, mold blown, fragment	0.5 g
			188	6	2	whiteware, hollowware, refined earthenware, base, transfer printed underglaze, blue, fragment	5.6 g
			191	7	14	vessel, glass, body, colorless, mold blown, fragment	5.3 g
			188	7	3	whiteware, hollowware, refined earthenware, body, transfer printed underglaze, blue, fragment	5.2 g
				8	2	whiteware, cup plate, refined earthenware, full profile, undecorated, fragments mend	21.2 g
			191	8	8	vessel, glass, body, pale aqua, mold blown, fragment	21.9 g
			188	9	1	whiteware, refined earthenware, base, undecorated, fragment	2.8 g
			191	9	37	window, glass, fragment	44.7 g
			188	10	4	whiteware, refined earthenware, body, undecorated, fragment	3.9 g
			191	10	5	window, glass, burned, fragment	10.8 g
			188	11	2	bottle, glass, body, green, mold blown, devitrified, fragment	56.3 g

## Albany Landfill Expansion Alternative 4 Phase II Artifact Inventory, Features

Feature	Level	Cxt.#	Bag.#	Item	Count	Artifact Description	Weight
6	2		191	11	40	unidentified, glass, burned, fragment	81.5 g
			188	12	1	tobacco pipe, ball clay-white, bowl, molded decoration, fragment	4.5 g
			191	13	1	bottle, glass, body, green, mold blown, burned, fragment	1.4 g
			188	13	1	tobacco pipe, ball clay-white, stem, 6/64, fragment	1.2 g
			191	14	13	vessel, glass, rim, colorless, mold blown, fragment	1.3 g
			188	14	1	vessel, glass, body, colorless, mold blown, fragment	44.5 g
			191	15	6	tobacco pipe, ball clay-white, stem, 5/64, fragment	1.1 g
			188	15	1	vessel, glass, body, colorless, mold blown, burned, fragment	1.6 g
			191	16	2	faunal bone, mammal, cranium, fragment	7.2 g
			188	16	8	vessel, glass, body, pale aqua, mold blown, burned, fragment	10.1 g
			191	17	83	faunal bone, mammal, cranium, burned, fragment	14 g
			188	17	3	window, glass, fragment	141.1 g
			191	18	9	faunal bone, mammal, cranium, calcined, fragment	0.9 g
			188	18	5	faunal bone, mammal, tooth, fragment	18.9 g
			191	19	6	tobacco pipe, ball clay-white, bowl and stem, 5/64, fragments mend	7.7 g
			188	19	1	faunal bone, mammal, tooth, burned, fragment	2.9 g
			191	20	2	tobacco pipe, ball clay-white, bowl, burned, fragment	1.6 g
			188	20	1	faunal bone, mammal, long bone, butcher marks, fragment	3.3 g
			191	21	2	faunal bone, mammal, jaw, fragment	14.3 g
			188	21	4	faunal bone, mammal, long bone, fragment	1.6 g
			191	22	9	faunal bone, mammal, molar, fragment	8.1 g
			188	22	34	faunal bone, mammal, incisor, fragment	4.1 g
			191	23	7	faunal bone, fragment	13.8 g
			188	23	7	faunal bone, mammal, tooth, fragment	3.8 g
			191	24	35	faunal bone, burned, fragment	8.3 g
			188	24	6	faunal bone, mammal, fragment	42.6 g
			191	25	5	faunal bone, calcined, fragment	2.8 g
			188	25	1	shell, clam, fragment	26.7 g
			191	26	4	faunal bone, mammal, burned, fragment	0.9 g
			188	26	1	faunal bone, mammal, calcined, fragment	2.3 g
			191	26	1	botanical sample, botanical, burned, corn cob, fragment	1.5 g

## Albany Landfill Expansion Alternative 4 Phase II Artifact Inventory, Features

<u>Feature</u>	<u>Level</u>	<u>Cxt.#</u>	<u>Bag.#</u>	<u>Item</u>	<u>Count</u>	<u>Artifact Description</u>	<u>Weight</u>
6	2		191	27	1	mineral sample, fragment	6.4 g
			188	27	2	faunal bone, long bone, fragment	4.5 g
			191	28	1	coal, burned, fragment	0.7 g
			188	28	79	faunal bone, fragment	19.5 g
			191	29	2	coal, ash, fragment	8.1 g
			188	29	4	shell, clam, fragment	68.4 g
			191	30	2	unidentified, burned, fragment	0.9 g
			188	30	3	leather, black, fragment	12.6 g
			191	31	6	mortar, fragment	635.04 g
			188	31	1	button, four hole sew through, glass, complete, white	0.4 g
			191	32	9	plaster, fragment	273.9 g
			188	32	1	button, iron alloy, fragment, with unidentified material	0.3 g
			191	33	1	clasp, copper alloy, fragment, with fabric, packed in soil	0.1 g
			191	33	7	redware, tile, coarse earthenware, unglazed, burned, fragment	200.7 g
			191	34	7	brick, red, fragment	5084.9 g
			188	34	1	unidentified, glass, fragment	0.5 g
			191	35	5	brick, red, fragment	1356.3 g
			188	35	1	utensil, iron alloy, fragment	23.4 g
			191	36	3	mortar, fragment	478.2 g
			191	36	5	brick, red, fragment	1905.1 g
			191	37	6	redware, coarse earthenware, unglazed, fragment	815.7 g
			188	37	1	architectural stone, stone, fragment	802.9 g
			191	38	1	unidentified, tubular, copper alloy, fragment	1.3 g
			188	38	3	slate, slate, fragment	11.8 g
			191	39	1	washer, iron alloy, complete	27.6 g
			188	39	3	brick, red, burned, fragment	2698.9 g
			191	40	1	spring, copper alloy, fragment	2 g
			188	40	1	brick, red, fragment	340.5 g
			191	41	2	screw, iron alloy, fragment	7.9 g
			188	41	2	redware, coarse earthenware, unglazed, fragment	388.8 g
			191	42	1	unidentified, tubular, copper alloy, fragment	1.8 g

## Albany Landfill Expansion Alternative 4 Phase II Artifact Inventory, Features

<u>Feature</u>	<u>Level</u>	<u>Cxt.#</u>	<u>Bag.#</u>	<u>Item</u>	<u>Count</u>	<u>Artifact Description</u>	<u>Weight</u>
6	2		191	42	11	nail, iron alloy, complete, cut	197.6 g
				43	38	nail, iron alloy, complete, cut, bent	81.1 g
			188	43	2	unidentified, copper alloy, fragments mend	0.3 g
			191	44	1	unidentified, copper alloy, fragment	6.5 g
				44	156	nail, iron alloy, complete, cut	358.1 g
				45	64	nail, iron alloy, complete, cut, bent	134.1 g
			188	45	1	spike, iron alloy, fragment	110.8 g
			191	46	12	can/can part, iron alloy, fragment	36 g
				46	411	nail, iron alloy, fragment	852.8 g
				47	3	unidentified hardware, iron alloy, nail holes	50.1 g
			188	47	1	screw, iron alloy, fragment	1.9 g
				48	16	nail, iron alloy, complete, cut	48.1 g
			191	48	328	unidentified hardware, iron alloy, fragment	1138.5 g
			188	49	4	nail, iron alloy, complete, cut, bent	4.7 g
			191	49	47	unidentified, iron alloy, fragment	331.7 g
			188	50	35	nail, iron alloy, complete, cut	148.3 g
			191	50	1	button, four hole sew through, glass, complete, white	0.4 g
			188	51	20	nail, iron alloy, complete, cut, bent	72.9 g
				52	127	nail, iron alloy, fragment	366.6 g
				53	3	unidentified hardware, iron alloy, fragment	22.1 g
				54	1	unidentified hardware, iron alloy, fragment	23.5 g
2	3		137	1	1	white ware, plate, refined earthenware, body, flow transfer print, blue, fragment	1.8 g
			123	1	1	white ware, refined earthenware, body, transfer printed underglaze, blue, fragment	1.2 g
			121	1	1	buff/pink bodied, hollowware, stoneware, body, Albany slip, fragment	2 g
			137	2	1	shell, oyster, fragment	1.9 g
			121	2	1	buff/pink bodied, hollowware, stoneware, body, glazed, black, fragment	5.8 g
			123	2	2	nail, iron alloy, complete, cut	12.8 g
			121	3	1	coal, ash, fragment	0.7 g
			137	3	1	buckle, iron alloy, complete	16.8 g
			123	3	3	nail, iron alloy, fragment	16.6 g
			121	4	2	redware, coarse earthenware, unglazed, fragment	44.6 g

# Albany Landfill Expansion Alternative 4 Phase II Artifact Inventory, Features

Feature	Level	Cxt.#	Bag.#	Item	Count	Artifact Description	Weight
2	3		137	4	1	nail, iron alloy, complete, cut, bent	7.8 g
			123	4	1	unidentified hardware, rod, iron alloy, fragment	61.7 g
			137	5	1	nail, iron alloy, complete, indeterminate	2.3 g
			121	5	3	nail, iron alloy, complete, cut	60.3 g
				6	10	nail, iron alloy, fragment	37.2 g
			137	6	1	nail, iron alloy, fragment	2.1 g
			121	7	1	unidentified, iron alloy, fragment	2.7 g
2	3		120	1	2	redware, hollowware, coarse earthenware, body, slip decorated/lead glazed, polychrome, fragments mend	1.9 g
			131	1	1	coal, burned, fragment	3.4 g
			125	1	1	buff/pink bodied, hollowware, stoneware, base, glazed, black, fragment	19.1 g
				2	1	unidentified hardware, iron alloy, bent	16.5 g
			131	2	1	redware, tile, coarse earthenware, unglazed, fragment	30.2 g
			120	2	1	redware, coarse earthenware, unglazed, fragment	1.9 g
			131	3	1	nail, iron alloy, complete, cut	7.4 g
			120	3	1	nut, square, iron alloy, complete	26.3 g
			131	4	3	nail, iron alloy, fragment	6 g
			120	4	1	nail, iron alloy, complete, cut	3.8 g
				5	10	nail, iron alloy, fragment	64.6 g
				6	1	unidentified hardware, iron alloy, bent	6 g
4	3		186	1	1	nail, iron alloy, fragment	7.2 g
			160	1	1	buff/pink bodied, hollowware, stoneware, body, alkaline glaze, fragment	4.5 g
			184	1	2	rod, iron alloy, threaded, fragment	97.3 g
			148	1	1	coal, burned, fragment	12.3 g
			185	1	1	shell, oyster, fragment	9 g
			186	2	2	unidentified hardware, iron alloy, fragment	61.5 g
			184	2	4	rod, iron alloy, fragment	173.9 g
			160	2	1	mineral sample, fragment	13.7 g
			148	2	2	coal, ash, fragment	1.9 g
			186	3	2	unidentified, iron alloy, fragment	2.2 g
			148	3	1	redware, tile, coarse earthenware, unglazed, fragment	36.8 g

**Albany Landfill Expansion Alternative 4 Phase II  
Artifact Inventory, Features**

<u>Feature</u>	<u>Level</u>	<u>Cxt.#</u>	<u>Bag.#</u>	<u>Item</u>	<u>Count</u>	<u>Artifact Description</u>	<u>Weight</u>
4	3		160	3	1	coal, fragment	3.8 g
				4	1	coal, burned, fragment	18.6 g
			148	4	5	redware, coarse earthenware, unglazed, fragment	13.4 g
			160	5	1	slag, fragment	4 g
			148	5	1	nail, iron alloy, complete, cut, bent	10.6 g
			160	6	1	spike, iron alloy, fragment	15.7 g
				7	1	nail, iron alloy, complete, cut	2 g
				8	3	nail, iron alloy, fragment	13.9 g
				9	1	unidentified hardware, rod, iron alloy, fragment	40.2 g

## Albany Landfill Expansion Alternative 4 Phase II Shovel Test Records

<u>Test</u>	<u>Level</u>	<u>Material Not Collected</u>	<u>Comments</u>
201	1	mortar fragment	
202	1	plastic wrapper	
	2	brock fragments	
204	2	brick	
205	1	modern bottle glass	
206	1	coal	
209	1	brick fragments	
219	1	coal fragments	
221	1	tin can fragment	
225	1	brick fragments and shell	
226	2	coal ash	
227	1	coal	
231	2	shell	
235	1	charcoal	
244	1	flat metal fragment	
248	1	metal and slag	
252	1	brick fragment	
256	1	charred wood	
257	2	clinker	
260	1	charcoal	
265	1	charcoal	
267	1	brick fragment, mortar and coal	
269	1	charcoal	
271	3	charred wood	
272	3	charred wood	
277	1	plastic chip	
282	2	anthracite and clinker	
285	1	charcoal	
290	1	charcoal	
291	1	charcoal	
295	1	metal, slag, brick fragments and charcoal	
300	1	coal	
307	1	slag, brick fragments and charcoal	
308	2	coal fragments	
309	2	anthracite coal	
319	1	coal fragments	
321	1	brick fragments and charcoal	

## Albany Landfill Expansion Alternative 4 Phase II Shovel Test Records

Test	Level	Material Not Collected	Comments
322	1	shell	
331	1	charcoal	
332	2	coal	
334	1	charcoal	
335	1	brick fragments, slag and charcoal	
338	2	charcoal and charred wood	
339	1	coal fragment	
346	1	coal	
349	1	anthracite coal	
351	1	charcoal	
354	2	charcoal and brick	
357	1	brick and charcoal	
358	1	charcoal	
364	1	charred wood	
371	1	anthracite coal	
372	2	brick fragments	
373	1	brick and charcoal	
377	1	plastic bag	
378	1	brick fragment	
	2	shell	
385	1	brick and charcoal	
390	1	brick, charcoal, window glass and colorless vessel glass	
391	1	charcoal	
392	1	plastic	
395	1	brick fragments and charred wood	
396	1	charred wood	
403	1	plastic	
404	1	modern garbage	
406	1	brick fragments and charred wood	
414	1	bone fragment	
416	1	brick fragment, charred wood and coal	
420	1	brick	
428	1	brick	
430	1	brick fragments	
432	1	brick fragments	
434	1	brick fragments	
437	1	plastic	

# Albany Landfill Expansion Alternative 4 Phase II Shovel Test Records

<u>Test</u>	<u>Level</u>	<u>Material Not Collected</u>	<u>Comments</u>
441	1	plastic garbage bag	
444	1	colorless vessel glass and light bulb base	
	2	charcoal	

**Appendix IV: Site Forms**

HISTORIC ARCHEOLOGICAL SITE INVENTORY FORM

New York State Office of Parks, Recreation and Historic Preservation
Pebbles Island, PO Box 189
Waterford, New York 12188-0189
(518) 237-8643

UNIQUE SITE NO.
QUAD Albany

Reported by: Abigail McGuirk
Your address: 1744 Washington Ave, Ext, Rensselaer, NY 12144
Organization (if any): Hartgen Archeological Associates, Inc.
Telephone: 518-427-0382 Date: March 1, 2007

\*\*\*\*\*

- 1. SITE NAME: J. Vant Historic Site- Locus A (Albany Landfill Historic Site A)
2. COUNTY: Albany Town/City: City of Albany Village:
3. LOCATION: 2,000 feet (610 m) north of US 90; 4,000 feet (1,220 m) west of Rapp Road; on the northern border of the Albany Landfill
4. PRESENT OWNER:
5. OWNER'S ADDRESS:

6. DESCRIPTION, CONDITION, EVIDENCE OF SITE:

- Standing ruins Cellar hole with walls
Surface traces visible Walls without cellar hole
Under cultivation Erosion
X No visible evidence Under water
X Other Dead poplars ringed by old growth pines and oaks

7. COLLECTION OF MATERIAL FROM SITE:

- Surface Collecting By whom: Date:
Testing By whom: Date:
X Excavation By whom: Hartgen Archeological Assoc. Date: 2006
None

Present repository of materials: HAA, Inc. Lab; 331 US-4, North Greenbush, New York

8. HISTORIC CULTURAL AFFILIATION OR DATE: 1850-1890

9. HISTORICAL DOCUMENTATION OF SITE:

10. MANUSCRIPT OR PUBLISHED REPORT(S) (REFERENCE FULLY):

Hartgen Archeological Associates, Inc.

2006 *Phase IB Field Reconnaissance, Albany Landfill Expansion Alternative 4, City of Albany, Albany County, New York.* On file at OPRHP, Waterford, New York.

11. POSSIBILITY OF SITE DESTRUCTION OR DISTURBANCE:

If expansion of the landfill into this area is approved, the site will be destroyed.

12. REMARKS:

Structure relates to J. Vant (spelled 'Vance' on the 1866 Beers Map *West End of the City of Albany*) House site and associated midden.

13. MAP LOCATION:

7.5 Minute Series Quad Name: Albany

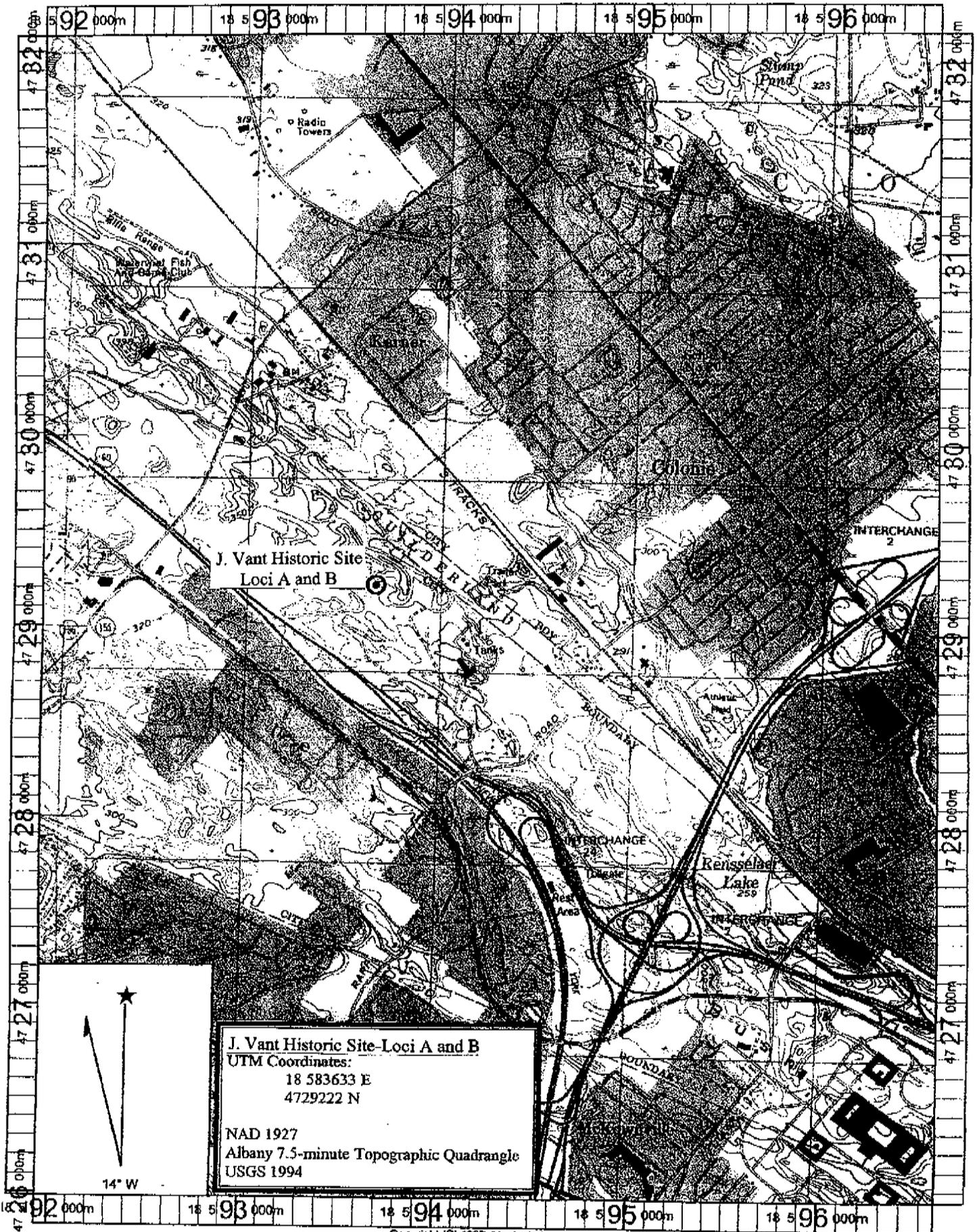
15 Minute Series Quad Name: Albany

U.T.M. Coordinates: 18 593642 E; 4729206 N

D.O.T. Coordinates (if known): \_\_\_\_\_

(ATTACH SKETCH, TRACING OR COPY OF MAP)

14. PHOTOGRAPHS (optional):



J. Vant Historic Site  
Loci A and B

**J. Vant Historic Site-Loci A and B**  
 UTM Coordinates:  
 18 583633 E  
 4729222 N

NAD 1927  
 Albany 7.5-minute Topographic Quadrangle  
 USGS 1994

HISTORIC ARCHEOLOGICAL SITE INVENTORY FORM

New York State Office of Parks, Recreation and Historic Preservation
Peebles Island, PO Box 189
Waterford, New York 12188-0189
(518) 237-8643

UNIQUE SITE NO.
QUAD Albany

Reported by: Abigail McGuirk
Your address: 1744 Washington Ave, Ext, Rensselaer, NY 12144
Organization (if any): Hartgen Archeological Associates, Inc.
Telephone: 518-427-0382 Date: March 1, 2007

\*\*\*\*\*

- 1. SITE NAME: J. Vant Historic Site- Locus B (Albany Landfill Historic Site B)
2. COUNTY: Albany Town/City: City of Albany Village:
3. LOCATION: 2,000 feet (610 m) north of US 90; 4,000 (1,220 m) feet west of Rapp Road; on the northern border of the Albany Landfill
4. PRESENT OWNER:
5. OWNER'S ADDRESS:

6. DESCRIPTION, CONDITION, EVIDENCE OF SITE:

- Standing ruins Cellar hole with walls
Surface traces visible Walls without cellar hole
Under cultivation Erosion
X No visible evidence Under water
X Other Dead poplars ringed by old growth pines and oaks

7. COLLECTION OF MATERIAL FROM SITE:

- Surface Collecting By whom: Date:
Testing By whom: Hartgen Archeological Assoc. Date:
X Excavation By whom: Hartgen Archeological Assoc. Date: 2007
None

Present repository of materials: HAA, Inc. Lab; 331 US-4, North Greenbush, New York

8. HISTORIC CULTURAL AFFILIATION OR DATE: 1850-1890

9. HISTORICAL DOCUMENTATION OF SITE:

10. MANUSCRIPT OR PUBLISHED REPORT(S) (REFERENCE FULLY):

Hartgen Archeological Associates, Inc.

2006 *Phase IB Field Reconnaissance, Albany Landfill Expansion Alternative 4, City of Albany, Albany County, New York.* On file at OPRHP, Waterford, New York.

11. POSSIBILITY OF SITE DESTRUCTION OR DISTURBANCE:

If expansion of the landfill into this area is approved, the site will be destroyed.

12. REMARKS:

Probable barn structure and pigpen relating to the J. Vant home on the opposite side of Centre House Road.

13. MAP LOCATION:

7.5 Minute Series Quad Name: Albany

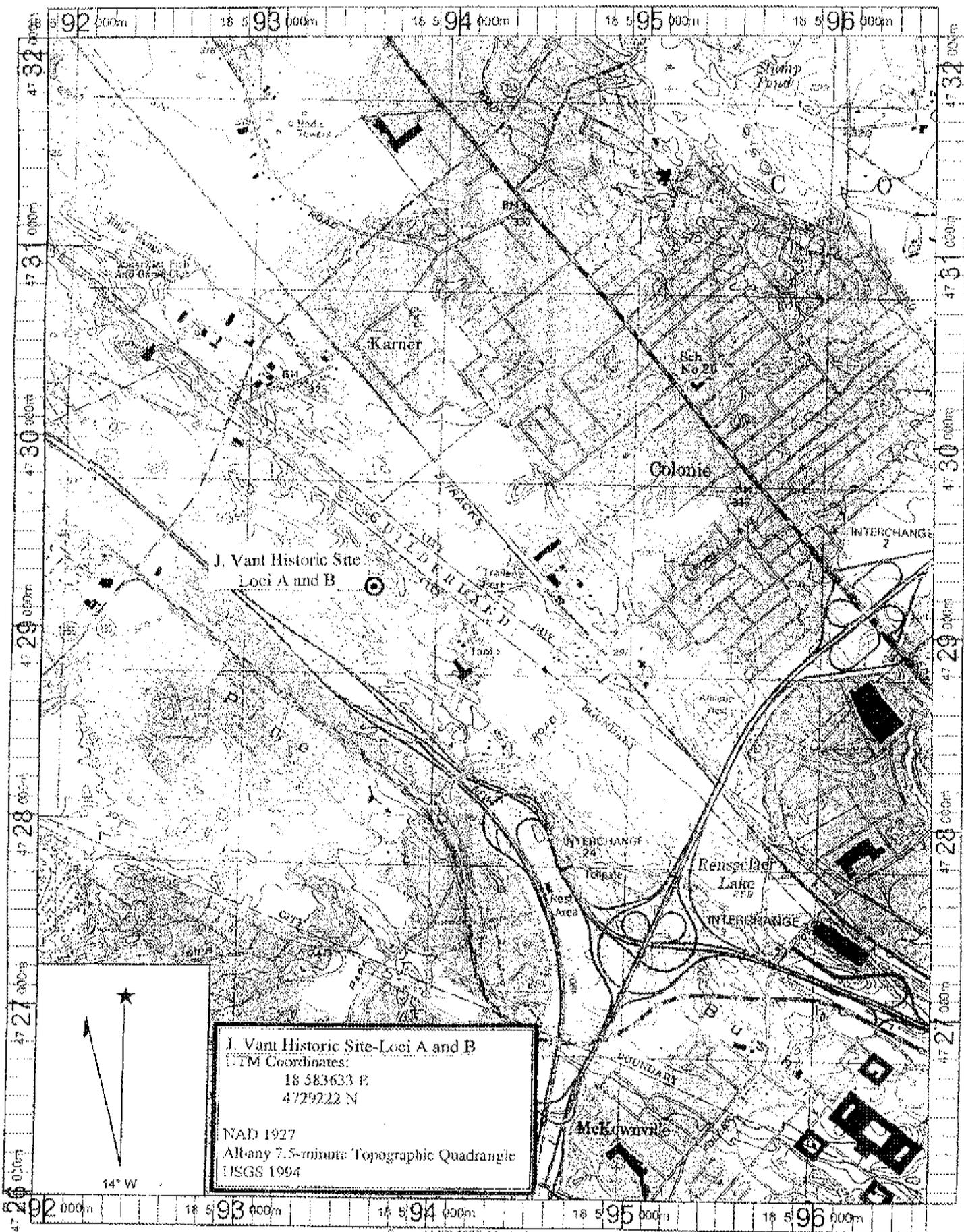
15 Minute Series Quad Name: Albany

U.T.M. Coordinates: 18 583633 E; 4729222 N

D.O.T. Coordinates (if known): \_\_\_\_\_

(ATTACH SKETCH, TRACING OR COPY OF MAP)

14. PHOTOGRAPHS (optional):



**J. Van Ant Historic Site-Loc A and B**  
UTM Coordinates:  
18 583633 E  
4729222 N  
  
NAD 1927  
Albany 7.5-minute Topographic Quadrangle  
USGS 1994

**Appendix V: OPRHP Project Review Cover Form**



**PROJECT REVIEW COVER FORM** Rev. 10-04

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

This information relates to a previously submitted project.

**PROJECT NUMBER** 06 PR 01161

**COUNTY** Albany



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

2. This is a new project.  If you have checked this box you will need to complete ALL of the following information.

**Project Name** \_\_\_\_\_

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

**City/Town/Village** \_\_\_\_\_  
 List the correct municipality in which your project is being undertaken. If in a hamlet you must also provide the name of the town.

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

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

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

No  Yes

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

Agency involved	Type of permit/approval	State	Federal
_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>	<input type="checkbox"/>

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

Yes  No

Was the project site wholly or partially included within an identified archeologically sensitive area?  Yes  No

Does the project site involve or is it substantially contiguous to a property listed or recommended for listing in the NY State or National Registers of Historic Places?  Yes  No

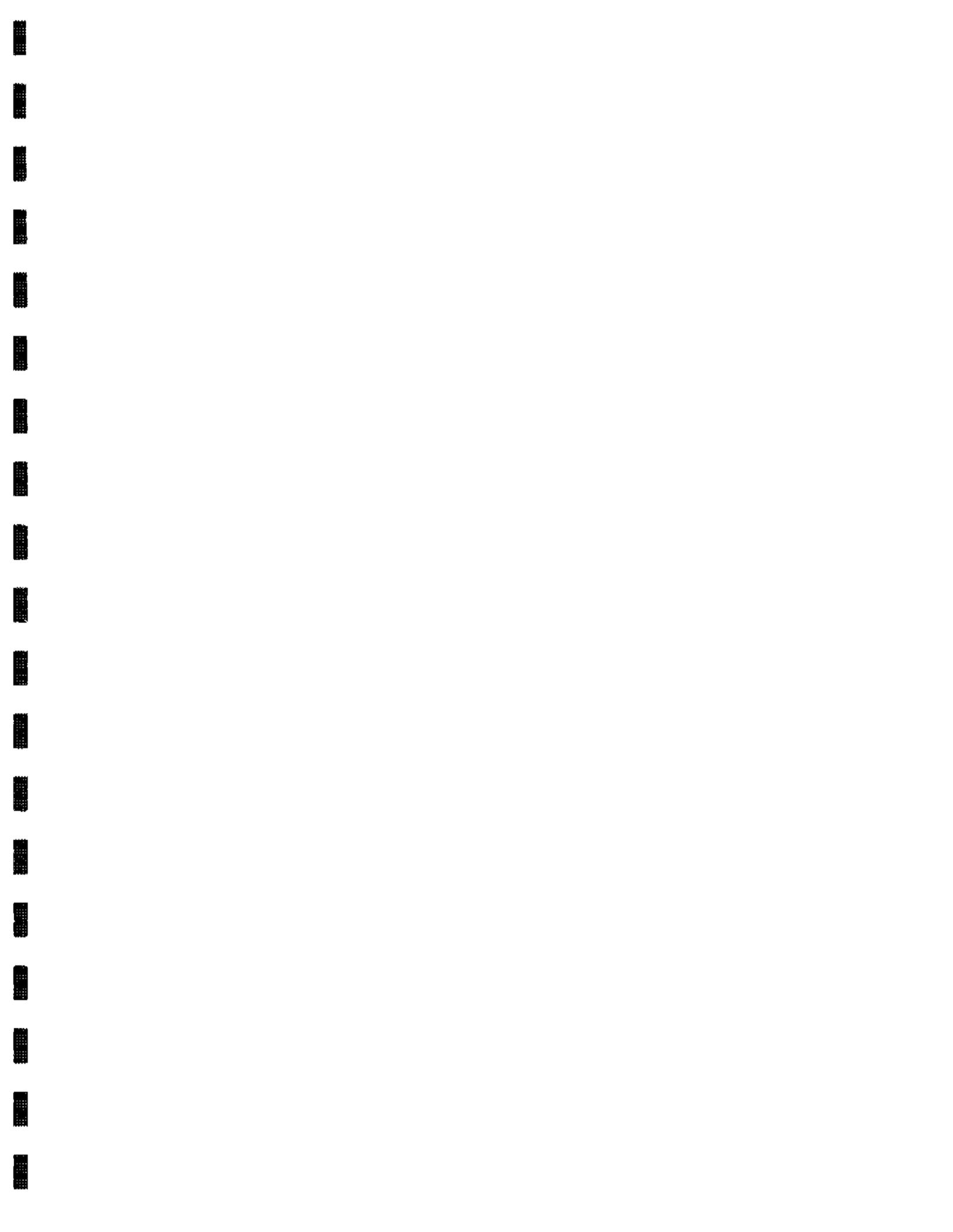
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**PHASE IB ARCHEOLOGICAL FIELD RECONNAISSANCE**

**ALBANY LANDFILL EXPANSION ALTERNATIVE 3 ADDENDUM  
PRIVATE PARCELS  
CITY OF ALBANY  
ALBANY COUNTY, NEW YORK**

**OPRHP 06PR01161  
HAA 3850-21**

*Prepared for:*

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**AN ACRA MEMBER FIRM  
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**JANUARY 2007**

**MANAGEMENT SUMMARY**

SHPO Project Review Number: **06PR01161**

Involved State and Federal Agencies: **US Army Corps of Engineers, NYS DEC**

Phase of Survey: **Phase IB Archeological Field Reconnaissance**

**Location Information**

*Location:* **Albany Landfill, 525 Rapp Road**  
*Minor Civil Division:* **City of Albany**  
*County:* **Albany**

**Survey Area**

*Length:* **675 feet (206 m)**  
*Width:* **400 feet (123 m)**  
*Number of Acres Surveyed:* **5 acres (2 ha) of the 53-acre (21.5 ha) APE**

USGS 7.5 Minute Quadrangle Map: **1994 Albany 7.5' Topographic Quadrangle**

**Archeological Survey Overview**

*Number and Interval of Shovel Tests:* **79 STPs at 50-foot (15 m) intervals, 8 STPs at 7-foot (2 m) intervals, and 4 at 3-foot (1 m) intervals**  
*Number and Size of Units:* **None**  
*Width of Plowed Strips:* **None**  
*Surface Survey Transect Interval:* **No surface survey**

Results of Archeological Survey: **One precontact site was identified: Albany Landfill Alternative 3 Precontact Site**

Results of Architectural Survey: **NA**

Recommendations: **Avoidance or a Phase III mitigation is recommended.**

Report Author: **Abigail McGuirk**

Date of Report: **January 2007**

**\*NOTE\*** This survey is an addendum to the *Phase IB Archeological Field Reconnaissance; Albany Landfill Expansion Alternative 3; City of Albany, Albany County, New York* (HAA, Inc. 2006) and is intended to be reviewed in conjunction with that report.



## PHASE IB ARCHEOLOGICAL FIELD RECONNAISSANCE

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**Photographs**

1. Eastern view of the main house. The driveway is lined by power utilities and the septic system is located in the foreground.
2. Northern view of the southern trailer. The garage in the background on the left side is located along the eastern edge of the parcel.
3. Northern view of the northern trailer and garage located along the eastern edge of the parcel. An abandoned garden is located in the left background.
4. Southern view of an archeologist excavating a shovel test pit between the northern garage and trailer. Most of the project area was clear of undergrowth, but dotted with outbuildings.
5. Western to eastern panoramic view of the right-of-way adjacent to Rapp Road. The landfill access road is visible along the left side of the image and the driveway access to the private parcels is on the right. The land contains underground power and water utilities as well as surface signs such as manhole covers and power boxes. Tests 301 through 303 were excavated in this area and encountered subsurface disturbances relating to road construction.
6. Western view of the drainage culvert within the right-of-way located adjacent to Test 303. No testing was conducted along the disturbed slope.
7. Eastern view of the northeastern corner of the project area. The split rail fence on the left side designates the northern boundary and the chain fence in the background is the eastern edge. Test 304 is located on the slight rise to the left side of image. Although one precontact flake was encountered, the soils appear disturbed.
8. Western view of the project area including five outbuildings. The abandoned garden is visible in the right background and the main house pool can be seen in the left background. The Albany Landfill Alternative 3 Precontact Site is located immediately west of the pool.
9. Northern view of the disturbed western edge of the project area. The land has been stripped and graded and contains compact gravel pockets. No testing was conducted along the western boundary.

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## PHASE IB ARCHEOLOGICAL FIELD RECONNAISSANCE

### INTRODUCTION

Hartgen Archeological Associates, Inc. (HAA, Inc.) was retained by Clough Harbour & Associates LLP to conduct a Phase IB Archeological Field Reconnaissance for the proposed Albany Landfill Expansion Alternative 3 at 525 Rapp Road in the City of Albany, Albany County, New York. The project requires permits from the US Army Corps of Engineers and the New York State Department of Environmental Conservation. Therefore, in compliance with Section 106 of the National Historic Preservation Act of 1966, the project is undergoing review by OPRHP acting as the State Historic Preservation Officer (SHPO). This report follows the guidelines in the New York Archaeological Council's (NYAC) *Standards for Cultural Resource Investigations and the Curation of Archaeological Collections in New York State* (NYAC 1994), which have been adopted by the Office of Parks, Recreation and Historic Preservation (OPRHP). It also conforms to OPRHP's *State Historic Preservation Office (SHPO) Phase I Archaeological Report Format Requirements* (OPRHP 2005).

### PROJECT INFORMATION

The 53-acre (21.5 ha) Alternative 3 project area is located at 525 Rapp Road on the north side of Interstate 90, adjacent to the current landfill (Map 1). The City of Albany northern boundary acts as the northern limit. The lands between the city limit and the existing landfill comprise the northern section of the project. The western and southern boundaries follow the eastern contours of the landfill and service roads. This middle section of the project area contains the current waste deposit building and associated utilities. The eastern border parallels the landfill access road 300 feet (91 m) to the east then turns to connect with Rapp Road. The southern section encompasses a section of state land and two private parcels (Map 2).

The northern section of the project area was previously surveyed by HAA, Inc. in October 2006 and was discussed in the report entitled *Phase IB Archeological Field Reconnaissance; Albany Landfill Expansion Alternative 3; City of Albany, Albany County, New York* (HAA, Inc. 2006). Access to the two private parcels in the southern section was not granted until December 2006. This report focuses on the excavations conducted within the private parcels and is to be reviewed in conjunction with the previous survey report.

The two private parcels contain a house with extended driveway, two mobile homes, two garages, a pool, landscaping, and a fenced garden (Photographs 1 through 3). The eastern and western boundaries are marked by both chain link and wire fences. The northern edge of the land is delineated by a collapsed split-rail fence. The southern boundary follows the right-of-way of Rapp Road. Most of the property is comprised of landscaping and lawn with underground utilities and septic systems. The wooded portions support pine, maple, and oak trees with little undergrowth.

Proposed developments for the previously surveyed section of Alternative 3 consist of the construction of a new waste deposit facility, storage tanks, access roads, and expansion of the landfill. Developments for the southern section including the private parcels are comprised of a retention pond, an office complex, and associated utilities and landscaping. The work scope for this addendum will encompass the five-acre (2 ha) private parcels not examined during the previous survey.

## **PHASE IA BACKGROUND**

The Phase IA Literature Review was completed for the proposed Albany Landfill Expansion project in December of 2004 (HAA, Inc. 2004). The following observations from the Phase IA research concern the previously untested southern section of the Alternative 3 project area.

- Soils in the project area generally consist of Colonie loamy, fine sand and Granby loamy fine sand. Shovel testing is an appropriate testing methodology for these post-glacial and partial wetland soils.
- No previously reported archeological sites were identified within the Albany Landfill Expansion Alternative 3 project.
- Historical maps demonstrate that historic settlement occurred east of the project area along the opposite side of what is today Rapp Road and to the north along Central Avenue. No map-documented structures are depicted within the project area on any maps examined for the Phase IA Literature review.

## **PHASE IB ARCHEOLOGICAL FIELD RECONNAISSANCE**

### **Introduction**

The fieldwork for the Albany Landfill Expansion Alternative 3- Private Parcels segment occurred Thursday and Friday, December 21 and 22, 2006. The field crew consisted of Kevin Moody and Darrell Pinckney under the direction of Abigail McGuirk. The project was under the overall supervision of Karen S. Hartgen, RPA. The weather was cool with skies varying from cloudy to bright and sunny. Temperatures were in the low 40s.

### **Field and Laboratory Methodology**

The Phase IB fieldwork consisted of excavating screened shovel tests. The goal of shovel testing was to reach undisturbed subsoil throughout the survey area, and as there were no floodplain soils or evidence of widespread filling, screened shovel tests at intervals of 50 feet (15 m) were adequate to find both precontact and historic period sites should they be present. Shovel tests were 16 inches (40 cm) in diameter. Soils were passed through 0.25-inch (0.63-cm) hardware cloth. The Munsell color and description of each soil stratum were recorded. Except for occasional modern trash, which was noted but not retained, cultural material was collected in paper bags labeled with the project name, test number, level, date, and initials of the excavator.

At the conclusion of the fieldwork, the shovel test records and artifact collection were delivered to the HAA, Inc. laboratory where the materials were cleaned and inventoried, and the shovel tests and the artifact inventory were entered into the Access database. Shovel test excavation records are presented in Appendix 1; the artifact catalog is Appendix 2. Shovel test locations were plotted on the project map, and the survey was documented with photographs (Photographs 1 through 9) (Map 3).

### **Field Results**

Ninety-one tests (Tests 301 through 391) were excavated across 13 transects in the private parcels segment of Alternative 3 (Map 3). Transects were generally oriented in an east-west direction parallel to the previously conducted fieldwork in the northern section. As the terrain of the private parcels was relatively flat with little undergrowth, excavations proceeded efficiently (Photograph 4). Transects crossed both wooded areas and lawns. The southernmost transect extended along the base of Rapp Road and examined a small plateau between the private parcels and the roadway (Tests 301 through 303) (Photograph 5). The tests adjacent to Rapp Road (Tests 301 through 303) were excavated at 100-foot (30 m) intervals as the area contained disturbances such as manhole covers,

power utilities, and drainage culverts (Photograph 6). Tests 304 through 379 were excavated at standard 50-foot (15 m) intervals and Tests 380 through 391 were confirmation excavations at one and two meter (3 and 7 ft) intervals.

Two initial tests recovered precontact material. Test 304 was located in the northern point of the survey area and contained a flake and a shard of pottery (Photograph 7). The four confirmation tests (Tests 380 through 383) excavated at two-meter (7 ft) intervals were negative for cultural material. Test 364, located adjacent to the pool, also contained flakes (Photograph 8). Eight confirmation tests (Tests 384 through 391) were excavated around it at one and two meter (3 and 7 ft) intervals. Of the confirmations, five contained precontact material. This cluster of tests is identified as the Albany Landfill Alternative 3 Precontact Site.

**Soils and Stratigraphy**

Of 91 tests excavated in the private parcel section of the project area, 84 had more than one level. The topsoil (A horizon) averaged nearly 26 cm (10 in). For the 71 tests with two levels, the average depth was a little more than 81 cm (32 in). For the 13 tests with three levels, the average depth was 80 cm (31 in). Three tests (Tests 381 through 383) contained four levels and extended to 73 cm (29 in). Seven tests terminated after only one level. Tests 301 and 303 were terminated due to a buried asphalt road surface. Tests 323 and 360 encountered compact driveway gravel and Tests 373 and 374 terminated in fill overlying utilities.

The most common soil types reported in the shovel tests are tallied below in Table 1. Generally speaking, the soils identified during testing conformed to what was expected according to the soil types reported for the project area in the Phase IA (HAA, Inc. 2004).

**Table 1: Soils Reported at the Albany Landfill Expansion Alternative 3- Private Parcels Project Area**

	Level 1 (N / %)		Level 2 (N / %)		Level 3 (N / %)		Level 4 (N / %)	
Lo Sa	21	23.1						
Sa	34	37.4	50	59.6	13	100.0	3	100.0
Sa Si	17	18.7	17	20.2				
Si Sa	19	20.8	17	20.2				
<b>Totals</b>	<b>91</b>	<b>100.0%</b>	<b>84</b>	<b>100.0%</b>	<b>13</b>	<b>100.0%</b>	<b>3</b>	<b>100.0%</b>
<b>Key: Lo - Loam; Sa - sand; Si - silt</b>								

The color of the topsoil was generally dark yellowish brown to very dark grayish brown. The subsoils were typically lighter in color than the topsoil ranging among shades of dark yellowish brown and yellowish brown. Several lawn areas previously had been stripped of topsoil and excavations immediately encountered subsoil.

**Artifact Assemblage**

Modern materials, including bottle glass, plastic, and foil wrappers, were commonly noted but not retained during excavation. Two tests were positive for precontact artifacts. Test 304 recovered one trim flake in Level 1. The four surrounding confirmation tests (Tests 380 through 383) were negative for cultural material. This deposit is considered a stray find.

Test 364, located adjacent to the pool, produced nine thinning and trim flakes. Of the eight surrounding confirmation tests, five (Tests 385, 386, and 388 through 390) contained cultural material including thinning and trim flakes, a utilized flake, and one piece of thin, undecorated precontact-period pottery. The only historic artifact

**4 Albany Landfill Expansion Alternative 3 Private Parcels Phase IB Addendum**

collected was a nail fragment located in Test 386. Artifacts from Tests 364, 385, 386, and 388 through 390 constitute the Albany Landfill Alternative 3 Precontact Site. All artifacts collected from the private parcel survey are correlated with their STPs in Table 2.

**Table 2: Artifacts from the Albany Landfill Alternative 3 Precontact Site**

STP #	Level	Precontact				Historics	Subtotals		Totals
		Thinning Flakes	Trim Flakes	Utilized Flakes	Pottery		Precontact	Historic	
364	2	4	5				9	0	9
385	2		3				3	0	3
386	2	32	32	1		1	65	1	66
388	1	1					1	0	1
388	2		1				1	0	1
389	1		1		1		2	0	2
390	2	4	12				16	0	16
<i>Totals</i>		<i>41</i>	<i>54</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>98</i>	<i>1</i>	<i>99</i>
<i>Percents</i>		<i>42.27%</i>	<i>55.67%</i>	<i>1.03%</i>	<i>1.03%</i>	<i>100.00%</i>	<i>98.98%</i>	<i>1.02%</i>	<i>100.00%</i>

**ALBANY LANDFILL ALTERNATIVE 3 PRECONTACT SITE**

The Albany Landfill Alternative 3 Precontact Site is located immediately west of the swimming pool and adjacent to the main house. The site is approximately 64 square meters (689 ft<sup>2</sup>) and contains thinning and trim chert flakes and pottery. No fire-cracked rock or charcoal staining was encountered. Based on the style of pottery, the site appears to date to the Late Woodland (1000-1600 AD).

Artifacts were recovered from six STPs excavated in the area. Test 364 produced nine thinning and trim flakes. Of the eight surrounding confirmation tests, five (Tests 385, 386, and 388 through 390) contained cultural material including thinning and trim flakes, a scraper (utilized flake), and the fragment of contact-period pottery. One historic artifact, a nail fragment, was collected from the top of Level 2 of Test 386, but it appears to have fallen in from Level 1.

Trim flakes comprise just over half of the total artifacts with thinning flakes comprising the other half. As no block flakes, cores, or shatter were encountered it is probable that the site was used for finishing, refining, and sharpening existing tools. The lack of noticeable charcoal deposits and fire-cracked rock indicates the site may have been a temporary rest spot as opposed to a longer-term camp.

The site is located toward the center of the project area and it is probable that the region will be disturbed during construction development and landscaping. Due to its apparent small size, the entire site should be excavated during a Phase III data recovery.

## **SUMMARY AND RECOMMENDATIONS**

In December 2006 at the request of Clough Harbor & Associates LLP, HAA, Inc. conducted a Phase IB study for approximately 5 acres (2 ha) of land within the southern section of the 53-acre (21.5 ha) proposed Expansion Alternative 3 of the Albany Landfill along Rapp Road in the City of Albany, Albany County, New York. This survey is intended to be reviewed in conjunction with the previous survey *Phase IB Archeological Field Reconnaissance; Albany Landfill Expansion Alternative 3; City of Albany, Albany County, New York* (HAA, Inc. 2006). Based upon the information gathered and assessed from the literature review, both precontact and historic archeological sensitivity and potential were considered to be moderate to low. Of the 91 shovel tests excavated during the Phase IB reconnaissance, seven were positive for precontact material including chert flakes, a scraper, and pottery. Only one historic artifact, a nail fragment, was encountered. One precontact site, the Albany Landfill Alternative 3 Precontact Site, was identified. A Phase III data retrieval of this site is recommended before development of the Albany Landfill Expansion Alternative 3 project area commences.

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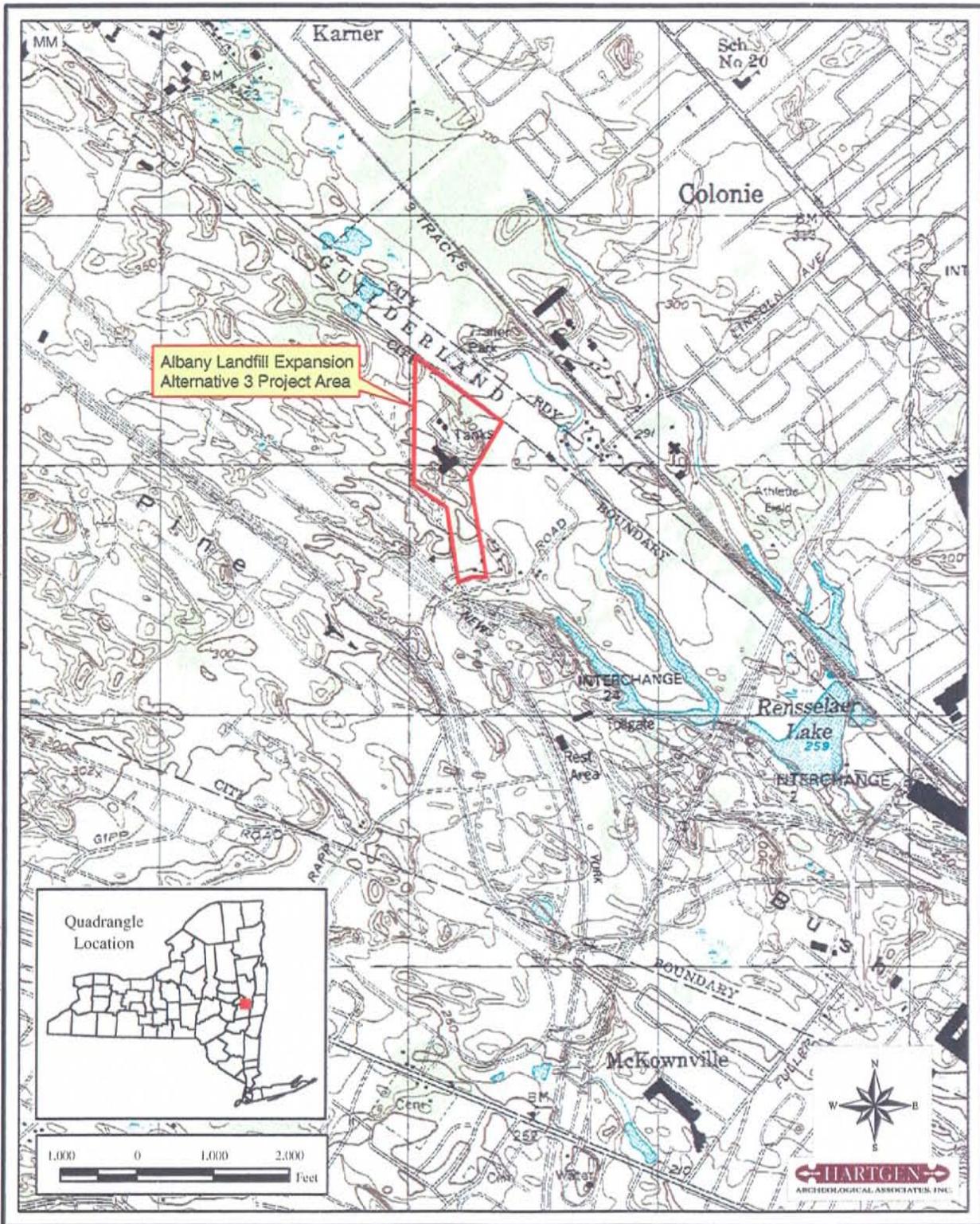
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## **Maps**

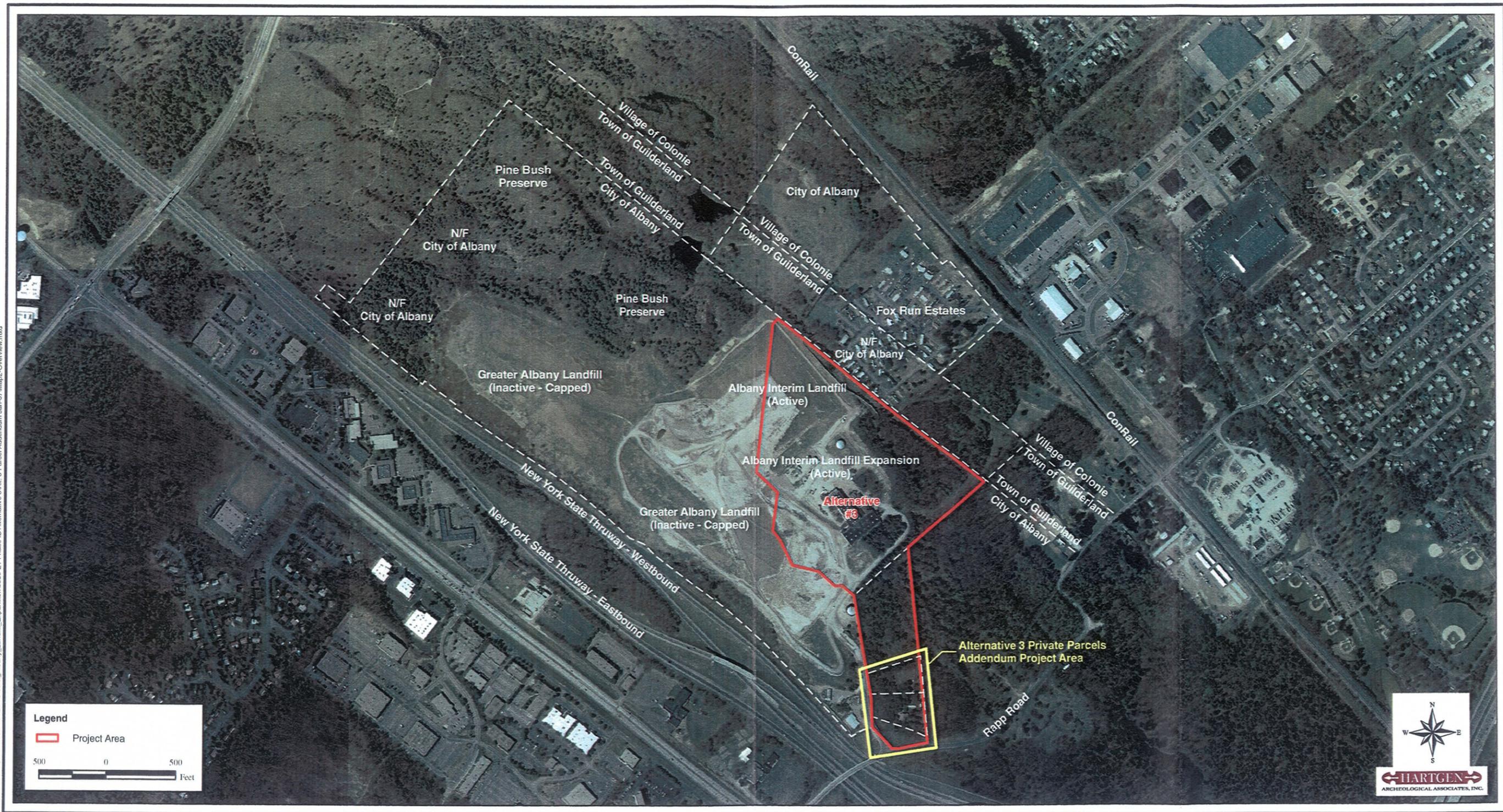
Phase IB Archeological Investigation, Albany Landfill Expansion Alt. 3, Private Parcels Addendum, Albany



Map 1

1994 USGS Albany 7.5' Topographic Quadrangle, New York

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Map 2

2006 HAA, Inc. and Clough Harbour & Associates, LLP, Overview of Project Area and Alternative 3 Private Parcel Addendum Area



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Map 3

2006 HAA, Inc. and Clough Harbour & Associates, LLP, *Alternative 3 Private Parcel Addendum Area Map with Shovel Test and Photograph Angle Locations*

## **Photographs**



Photograph 1: Eastern view of the main house. The driveway is lined by power utilities and the septic system is located in the foreground.



Photograph 2: Northern view of the southern trailer. The garage in the background on the left side is located along the eastern edge of the parcel.



Photograph 3: Northern view of the northern trailer and garage located along the eastern edge of the parcel. An abandoned garden is located in the left background.



Photograph 4: Southern view of an archeologist excavating Test 321 between the northern garage and trailer. Most of the project area was clear of undergrowth, but dotted with outbuildings.



Photograph 8: Western view of the project area including five outbuildings. The abandoned garden is visible in the right background and the main house aboveground pool can be seen in the left background. The Albany Landfill Alternative 3 Precontact Site is located between the pool and the house.



Photograph 9: Northern view of the disturbed western edge of the project area. The land has been stripped and graded and contains compact gravel pockets. No testing was conducted along the western boundary.



Photograph 6: Western view of the drainage culvert within the right-of-way located adjacent to Test 303. No testing was conducted along the disturbed slope.



Photograph 7: Eastern view of the northeastern corner of the project area. The split rail fence on the left side designates the northern boundary and the chain fence in the background is the eastern edge. Test 304 is located on the slight rise to the left side of image. Although one precontact flake was encountered, the soils appear disturbed in this location.



Photograph 5: Western to eastern panoramic view of the right-of-way adjacent to Rapp Road. The landfill access road is visible along the left side of the image and the driveway access to the private parcels is on the right. The land contains underground power and water utilities as well as surface signs such as manhole covers and power boxes. Tests 301 through 303 were excavated in this area and encountered subsurface disturbances relating to road construction.

**Appendix I:  
Shovel Test Excavation Records**

# Albany Landfill Expansion Alternative 3 Private Parcels

## Shovel Test Records

	<u>Depth (cm)</u>	<u>Soil Type</u>	<u>Soil Inclusions</u>	<u>Munsell Color</u>		<u>Termination Reason</u>
301	0 - 8	sand	gravel	10YR 4/3	brown	road fill
302	0 - 7	loamy sand		10YR 3/2	very dark grayish brown	
	7 - 40	fine sand		10YR 4/6	dark yellowish brown	asphalt
303	0 - 30	sand	gravel	10YR 4/3	brown	road fill
304	0 - 24	sand		10YR 4/6	dark yellowish brown	
	24 - 55	sand		10YR 3/3	dark brown	
	55 - 75	sand		10YR 4/6	dark yellowish brown	subsoil
305	0 - 10	loamy sand		10YR 3/3	dark brown	
	10 - 74	fine sand		10YR 5/6	yellowish brown	subsoil
306	0 - 13	loamy sand		10YR 2/2	very dark brown	
	13 - 80	fine sand		10YR 5/6	yellowish brown	subsoil
307	0 - 12	loamy humus		10YR 2/2	very dark brown	
	12 - 81	fine sand		10YR 5/6	yellowish brown	subsoil
308	0 - 15	loamy sand		10YR 3/2	very dark grayish brown	
	15 - 70	fine sand		10YR 5/6	yellowish brown	subsoil
309	0 - 13	loamy sand		10YR 3/2	very dark grayish brown	
	13 - 86	fine sand		10YR 5/6	yellowish brown	subsoil
310	0 - 15	loamy sand		10YR 3/2	very dark grayish brown	
	15 - 81	fine sand		10YR 6/6	brownish yellow	subsoil
311	0 - 20	loamy sand		10YR 4/3	brown	
	20 - 76	fine sand		10YR 5/6	yellowish brown	subsoil
312	0 - 32	sand		10YR 3/4	dark yellowish brown	
	32 - 75	sand		10YR 4/6	dark yellowish brown	subsoil
313	0 - 24	loamy sand		10YR 2/1	black	
	24 - 82	fine sand		10YR 5/6	yellowish brown	subsoil
314	0 - 33	loamy sand		10YR 3/2	very dark grayish brown	
	33 - 83	fine sand		10YR 6/6	brownish yellow	subsoil
315	0 - 45	loamy sand		10YR 3/2	very dark grayish brown	
	45 - 80	fine sand		10YR 5/6	yellowish brown	subsoil
316	0 - 75	sand		10YR 4/6	dark yellowish brown	disturbed
		sand		10YR 3/4	dark yellowish brown	disturbed
317	0 - 28	sand		10YR 3/2	very dark grayish brown	
	28 - 75	sand		10YR 4/6	dark yellowish brown	subsoil
318	0 - 35	sand		10YR 2/2	very dark brown	
	35 - 75	sand		10YR 5/6	yellowish brown	subsoil
319	0 - 34	sand		10YR 2/2	very dark brown	
	34 - 80	sand		10YR 5/6	yellowish brown	subsoil
320	0 - 28	sand		10YR 2/2	very dark brown	
	28 - 70	sand		10YR 4/6	dark yellowish brown	subsoil

## Albany Landfill Expansion Alternative 3 Private Parcels Shovel Test Records

	<u>Depth (cm)</u>	<u>Soil Type</u>	<u>Soil Inclusions</u>	<u>Munsell Color</u>		<u>Termination Reason</u>
321	0 - 26	sand		10YR 3/4	dark yellowish brown	
	26 - 80	sand		10YR 4/6	dark yellowish brown	subsoil
322	0 - 30	sand		10YR 3/4	dark yellowish brown	
	30 - 70	sand		10YR 3/4	dark yellowish brown	disturbed
		sand		10YR 4/6	dark yellowish brown	disturbed
323	0 - 40	silty sand	gravel	10YR 3/3	dark brown	compact gravel
324	0 - 33	silty sand		10YR 3/4	dark yellowish brown	
	33 - 75	silty sand		10YR 4/6	dark yellowish brown	subsoil
325	0 - 34	silty sand		10YR 3/4	dark yellowish brown	
	34 - 88	silty sand		10YR 4/6	dark yellowish brown	subsoil
326	0 - 36	silty sand		10YR 3/4	dark yellowish brown	
	36 - 75	silty sand		10YR 5/6	yellowish brown	subsoil
327	0 - 20	sandy silt		10YR 3/4	dark yellowish brown	
	20 - 85	sandy silt		10YR 5/6	yellowish brown	subsoil
328	0 - 31	sandy silt		10YR 3/4	dark yellowish brown	
	31 - 80	sandy silt		10YR 4/6	dark yellowish brown	subsoil
329	0 - 31	loamy humus		10YR 3/2	very dark grayish brown	
	31 - 73	fine sand		10YR 6/6	brownish yellow	subsoil
330	0 - 13	loamy sand		10YR 4/3	brown	
	13 - 80	fine sand		10YR 5/6	yellowish brown	subsoil
331	0 - 15	loamy sand		10YR 3/2	very dark grayish brown	
	15 - 86	fine sand		10YR 5/6	yellowish brown	subsoil
332	0 - 30	loamy sand		10YR 3/2	very dark grayish brown	
	30 - 82	fine sand		10YR 5/6	yellowish brown	subsoil
333	0 - 30	loamy sand		10YR 3/2	very dark grayish brown	
	30 - 73	fine sand		10YR 5/6	yellowish brown	subsoil
334	0 - 33	loamy sand		10YR 3/2	very dark grayish brown	
	33 - 79	fine sand		10YR 5/6	yellowish brown	subsoil
335	0 - 30	loamy sand		10YR 3/2	very dark grayish brown	
	30 - 84	fine sand		10YR 5/6	yellowish brown	roots
336	0 - 25	loamy sand		10YR 4/3	brown	
	25 - 77	fine sand		10YR 6/3	pale brown	subsoil
337	0 - 26	loamy sand		10YR 4/3	brown	
	26 - 83	fine sand		10YR 6/3	pale brown	subsoil
338	0 - 36	loamy sand		10YR 4/3	brown	
	36 - 80	fine sand		10YR 5/6	yellowish brown	subsoil
339	0 - 8	silty sand	gravel	10YR 2/2	very dark brown	
	8 - 34	silty sand		10YR 3/4	dark yellowish brown	
	34 - 86	sandy silt		10YR 4/6	dark yellowish brown	subsoil

# Albany Landfill Expansion Alternative 3 Private Parcels Shovel Test Records

	<u>Depth (cm)</u>	<u>Soil Type</u>	<u>Soil Inclusions</u>	<u>Munsell Color</u>		<u>Termination Reason</u>
340	0 - 20	silty sand	gravel	10YR 3/4	dark yellowish brown	
	20 - 82	sandy silt		10YR 5/6	yellowish brown	subsoil
341	0 - 30	sandy silt	gravel	10YR 3/4	dark yellowish brown	
	30 - 42	sandy silt	gravel	10YR 4/6	dark yellowish brown	compact gravel
342	0 - 30	sandy silt		10YR 3/4	dark yellowish brown	
	30 - 81	sandy silt		10YR 4/6	dark yellowish brown	subsoil
343	0 - 30	sandy silt		10YR 3/4	dark yellowish brown	
	30 - 89	sandy silt		10YR 4/6	dark yellowish brown	subsoil
344	0 - 25	sand		10YR 3/3	dark brown	
	25 - 40	sand		10YR 5/6	yellowish brown	leach field
345	0 - 36	sand		10YR 3/4	dark yellowish brown	
	36 - 70	sand		10YR 4/6	dark yellowish brown	subsoil
346	0 - 47	sand	ash/cinders	10YR 3/4	dark yellowish brown	
	47 - 82	sand		10YR 4/6	dark yellowish brown	subsoil
347	0 - 11	sandy humus		10YR 2/2	very dark brown	
	11 - 35	sand		10YR 3/4	dark yellowish brown	
	35 - 75	sand		10YR 4/6	dark yellowish brown	subsoil
348	0 - 12	sandy humus		10YR 2/2	very dark brown	
	12 - 35	sand		10YR 3/4	dark yellowish brown	
	35 - 88	sand		10YR 4/6	dark yellowish brown	subsoil
349	0 - 35	sand		10YR 3/3	dark brown	
	35 - 70	sand		10YR 4/6	dark yellowish brown	subsoil
350	0 - 48	sand		10YR 3/3	dark brown	
	48 - 80	sand		10YR 4/6	dark yellowish brown	subsoil
351	0 - 20	sandy silt		10YR 3/4	dark yellowish brown	
	20 - 83	sandy silt		10YR 4/6	dark yellowish brown	subsoil
352	0 - 15	sandy silt		10YR 3/4	dark yellowish brown	
	15 - 86	sandy silt		10YR 4/6	dark yellowish brown	subsoil
353	0 - 17	sandy silt		10YR 3/4	dark yellowish brown	
	17 - 86	sandy silt		10YR 4/6	dark yellowish brown	subsoil
354	0 - 30	sandy silt		10YR 3/4	dark yellowish brown	
	30 - 88	sandy silt		10YR 4/6	dark yellowish brown	subsoil
355	0 - 23	sandy silt		10YR 3/4	dark yellowish brown	
	23 - 87	sandy silt		10YR 4/6	dark yellowish brown	subsoil
356	0 - 28	sandy silt		10YR 3/4	dark yellowish brown	
	28 - 81	sandy silt		10YR 4/6	dark yellowish brown	subsoil
357	0 - 37	sandy silt		10YR 3/4	dark yellowish brown	
	37 - 80	sandy silt		10YR 5/6	yellowish brown	subsoil
358	0 - 31	sandy silt		10YR 3/4	dark yellowish brown	
	31 - 87	sandy silt		10YR 5/6	yellowish brown	subsoil

# Albany Landfill Expansion Alternative 3 Private Parcels

## Shovel Test Records

	<u>Depth (cm)</u>	<u>Soil Type</u>	<u>Soil Inclusions</u>	<u>Munsell Color</u>		<u>Termination Reason</u>
359	0 - 28	sandy silt		10YR 3/4	dark yellowish brown	subsoil
	28 - 89	sandy silt		10YR 5/6	yellowish brown	
360	0 - 34	sandy silt	gravel	10YR 3/3	dark brown	compact gravel
361	0 - 72	sandy silt		10YR 3/4	dark yellowish brown	subsoil
	72 - 91	sandy silt		10YR 5/6	yellowish brown	
362	0 - 44	sandy silt		10YR 3/4	dark yellowish brown	subsoil
	44 - 78	sandy silt		10YR 4/6	dark yellowish brown	
363	0 - 37	sandy silt		10R 3/4	dusky red	subsoil
		sandy silt		10YR 4/6	dark yellowish brown	
	37 - 82	sandy silt		10YR 4/6	dark yellowish brown	
364	0 - 23	silty sand		10YR 3/4	dark yellowish brown	subsoil
	23 - 103	silty sand		10YR 4/6	dark yellowish brown	
365	0 - 32	silty sand		10YR 3/4	dark yellowish brown	subsoil
	32 - 72	silty sand		10YR 4/6	dark yellowish brown	
366	0 - 14	silty sand		10YR 3/4	dark yellowish brown	subsoil
	14 - 77	silty sand		10YR 4/6	dark yellowish brown	
367	0 - 30	silty sand		10YR 3/4	dark yellowish brown	subsoil
	30 - 89	silty sand		10YR 4/6	dark yellowish brown	
368	0 - 34	silty sand		10YR 3/4	dark yellowish brown	subsoil
	34 - 72	silty sand		10YR 4/6	dark yellowish brown	
369	0 - 42	silty sand		10YR 3/4	dark yellowish brown	subsoil
	42 - 87	silty sand		10YR 4/6	dark yellowish brown	
370	0 - 12	sandy humus		10YR 2/2	very dark brown	subsoil
	12 - 27	sand		10YR 3/4	dark yellowish brown	
	27 - 85	sand		10YR 4/6	dark yellowish brown	
371	0 - 11	sand	charcoal	10YR 2/2	very dark brown	subsoil
	11 - 30	sand		10YR 3/4	dark yellowish brown	
	30 - 80	sand		10YR 4/6	dark yellowish brown	
372	0 - 12	sand		10YR 2/2	very dark brown	subsoil
	12 - 38	sand		10YR 3/4	dark yellowish brown	
	38 - 85	sand		10YR 4/6	dark yellowish brown	
373	0 - 30	sand	fill	10YR 3/3	dark brown	utilities
		sand	fill	10YR 4/6	dark yellowish brown	utilities
374	0 - 60	sand		10YR 3/3	dark brown	utilities
375	0 - 15	sand		10YR 3/4	dark yellowish brown	subsoil
	15 - 82	sand		10YR 4/6	dark yellowish brown	
376	0 - 16	sand		10YR 3/4	dark yellowish brown	subsoil
	16 - 80	sand		10YR 4/6	dark yellowish brown	
377	0 - 25	silty sand		10YR 3/4	dark yellowish brown	subsoil
	25 - 87	silty sand		10YR 4/6	dark yellowish brown	

# Albany Landfill Expansion Alternative 3 Private Parcels Shovel Test Records

	<u>Depth (cm)</u>	<u>Soil Type</u>	<u>Soil Inclusions</u>	<u>Munsell Color</u>		<u>Termination Reason</u>
378	0 - 20	sand		10YR 3/4	dark yellowish brown	
	20 - 58	sand		10YR 4/6	dark yellowish brown	
	58 - 75	sand		10YR 5/6	yellowish brown	subsoil
379	0 - 17	sand		10YR 2/2	very dark brown	
	17 - 30	sand		10YR 3/4	dark yellowish brown	
	30 - 80	sand		10YR 4/6	dark yellowish brown	subsoil
380	0 - 16	sandy humus		10YR 2/2	very dark brown	
	16 - 35	sand		10YR 3/4	dark yellowish brown	
	35 - 70	sand		10YR 4/6	dark yellowish brown	subsoil
381	0 - 6	sandy humus		10YR 2/2	very dark brown	
	6 - 18	sand		10YR 4/6	dark yellowish brown	
	18 - 50	sand		10YR 3/4	dark yellowish brown	
	50 - 70	sand		10YR 4/6	dark yellowish brown	subsoil
382	0 - 5	sandy humus		10YR 2/2	very dark brown	
	5 - 24	sand		10YR 4/6	dark yellowish brown	
	24 - 28	sand		10YR 3/4	dark yellowish brown	
	28 - 80	sand		10YR 4/6	dark yellowish brown	subsoil
383	0 - 8	sandy humus		10YR 2/2	very dark brown	
	8 - 17	sand		10YR 4/6	dark yellowish brown	
	17 - 42	sand		10YR 3/4	dark yellowish brown	
	42 - 70	sand		10YR 4/6	dark yellowish brown	subsoil
384	0 - 24	silty sand		10YR 3/4	dark yellowish brown	
	24 - 91	silty sand		10YR 4/6	dark yellowish brown	subsoil
385	0 - 26	sand		10YR 3/4	dark yellowish brown	
	26 - 75	sand	charcoal	10YR 4/6	dark yellowish brown	subsoil
386	0 - 27	sand		10YR 3/4	dark yellowish brown	
	27 - 100	sand	charcoal	10YR 4/6	dark yellowish brown	subsoil
387	0 - 30	silty sand		10YR 3/4	dark yellowish brown	
	30 - 86	silty sand		10YR 4/6	dark yellowish brown	subsoil
388	0 - 25	silty sand		10YR 3/4	dark yellowish brown	
	25 - 83	silty sand		10YR 4/6	dark yellowish brown	subsoil
389	0 - 27	silty sand		10YR 3/4	dark yellowish brown	
	27 - 86	silty sand		10YR 4/6	dark yellowish brown	subsoil
390	0 - 24	sand	charcoal	10YR 3/4	dark yellowish brown	
	24 - 85	sand	charcoal	10YR 4/6	dark yellowish brown	subsoil
391	0 - 29	silty sand		10YR 3/4	dark yellowish brown	
	29 - 95	silty sand		10YR 4/6	dark yellowish brown	subsoil

**Appendix II:  
Artifact Catalog**

# Albany Landfill Expansion Alternative 3 Private Parcels Artifact Inventory, Shovel Tests

STP	Feature	Level	Cxt.#	Bag.#	Item	Count	Artifact Description	Weight
304	2	2		3	1	1	debitage, trim, chert, distal fragment	0.4 g
				2	1	1	mineral sample, fragment	1.8 g
364	2			4	1	4	debitage, thinning flake, chert, complete	0.5 g
				2	2	2	debitage, trim, chert, proximal fragment	0.2 g
				3	1	1	debitage, trim, chert, midsection, fragment	0.1 g
				4	1	1	debitage, trim, chert, distal fragment	0.1 g
385	2			5	1	2	debitage, trim, chert, proximal fragment	0.1 g
				2	1	1	debitage, trim, chert, midsection, fragment	0.1 g
386	2			6	1	1	debitage, utilized flake, chert, complete	1.5 g
				2	7	7	debitage, thinning flake, chert, complete	3.9 g
				3	5	5	debitage, thinning flake, chert, proximal fragment	5.7 g
				4	5	5	debitage, thinning flake, chert, distal fragment	12.4 g
				5	16	16	debitage, trim, chert, complete	2.5 g
				6	11	11	debitage, trim, chert, proximal fragment	1.2 g
				7	5	5	debitage, trim, chert, midsection, fragment	0.4 g
				8	15	15	debitage, thinning flake, chert, distal fragment	2.6 g
				9	3	3	charcoal, fragment	0.1 g
				10	1	1	nail, iron alloy, fragment	4.2 g
388	1			7	1	1	debitage, thinning flake, chert, midsection, fragment	1.5 g
388	2			8	1	1	debitage, trim, chert, distal fragment	0.2 g
389	1			9	1	1	precontact pottery, int.undec./ext.undec., pottery, body, fragment	2.7 g
				2	1	1	debitage, trim, chert, proximal fragment	0.5 g
390	2			10	1	2	debitage, thinning flake, chert, complete	0.6 g
				2	1	1	debitage, thinning flake, chert, proximal fragment	0.5 g
				3	1	1	debitage, thinning flake, chert, distal fragment	0.8 g
				4	4	4	debitage, trim, chert, complete	0.5 g
				5	1	1	debitage, trim, chert, complete, thermally altered	0.1 g
				6	2	2	debitage, trim, chert, proximal fragment	0.2 g
				7	1	1	debitage, trim, chert, midsection, fragment	0.1 g
				8	4	4	debitage, trim, chert, distal fragment	1 g

# Albany Landfill Expansion Alternative 3 Private Parcels Shovel Test Records

Test	Level	Material Not Collected	Comments
302	1	asphalt	
	2	asphalt	
303	1	asphalt, plastic, bottle glass	
304	1		Redeposited subsoil.
312	1	flower pot	
322	2		Probable Trench (electric)
323	1		Driveway
339	1		Driveway
340	1	driveway gravel	
347	1	aluminum foil, plastic	
	2	beer bottle glass	
349	1	fence staple	
350	1	aluminum foil	
361	1	brick frag.	
374	1	concrete frags.	
381	2		Redeposited subsoil
	3	fence wire, charcoal	(Buried A)
382	2		Redeposited subsoil.
	3		Buried A
383	1	plastic	
	2		Redeposited subsoil.
	3	charcoal	Buried A

**Appendix III:  
Precontact Site Form**

PREHISTORIC ARCHEOLOGICAL SITE INVENTORY FORM

New York State Office of Parks, Recreation and Historic Preservation
Peebles Island, PO Box 189
Waterford, New York 12188-0189
(518) 237-8643

UNIQUE SITE NO. \_\_\_\_\_
QUAD \_\_\_\_\_

Reported by: Abigail McGuirk
Your address: 1744 Washington Ave. Extension, Defreestville, New York, 12144

Organization (if any): Hartgen Archeological Associates, Inc.
Telephone: (518) 283-0534 Date: 12/28/2006

\*\*\*\*\*

- 1. SITE NAME: Albany Landfill Alternative 3 Precontact Site
2. COUNTY: Albany Town/City: Albany Village:
3. LOCATION: Adjacent to 525 Rapp Road
4. PRESENT OWNER:
5. OWNER'S ADDRESS:

6. DESCRIPTION, CONDITION, EVIDENCE OF SITE (check all appropriate categories):

Site type:

- Stray find Cave/rockshelter Workshop
Pictograph Quarry Mound
Burial Shell midden Village
Surface evidence Camp Material in plow zone
Material below plow zone Buried evidence Intact occupation floor
X Single component Evidence of features Stratified
Multicomponent

Location and status:

- Under cultivation Never cultivated Previously cultivated
Pastureland Woodland Floodplain
X Upland Sustaining erosion

Soil Drainage: X Excellent Good Fair Poor

Slope: Level X Gentle Moderate Steep

Distance to nearest water from site (approx.): <1 mile Elevation: ~300 ft.

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

Surface--date(s) \_\_\_\_\_

Site map (Submit with form) \_\_\_ Collection \_\_\_

Subsurface--date(s) December 21-22, 2006

Testing: Shovel X Coring \_\_\_ Other \_\_\_\_\_ Unit size \_\_\_\_\_

Number of units \_\_\_\_\_ (Submit plan of units with form)

Excavation: unit size \_\_\_\_\_

Investigator Hartgen Archeological Associates

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

Hartgen Archeological Associates, Inc.  
*2006 Phase IB Field Reconnaissance; Albany Landfill Expansion Alternative 3- Private Parcels; City of Albany, Albany County, New York.*

Present repository of materials 331 North Greenbush, New York 12180

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

Late Woodland (1000-1600 AD)

9. LIST OF MATERIAL REMAINS (be specific as possible in identifying objects and materials):

flakes, scraper, pottery (contact period pottery)

( If historic materials are evident, check here and fill out historic site form \_\_\_ )

10. POSSIBILITY OF SITE DESTRUCTION OR DISTURBANCE:

The site is located in the middle of development plans. It will be affected.

11. REMARKS:

12. MAP LOCATION:

7.5 Minute Series Quad Name: USGS 1994 Albany

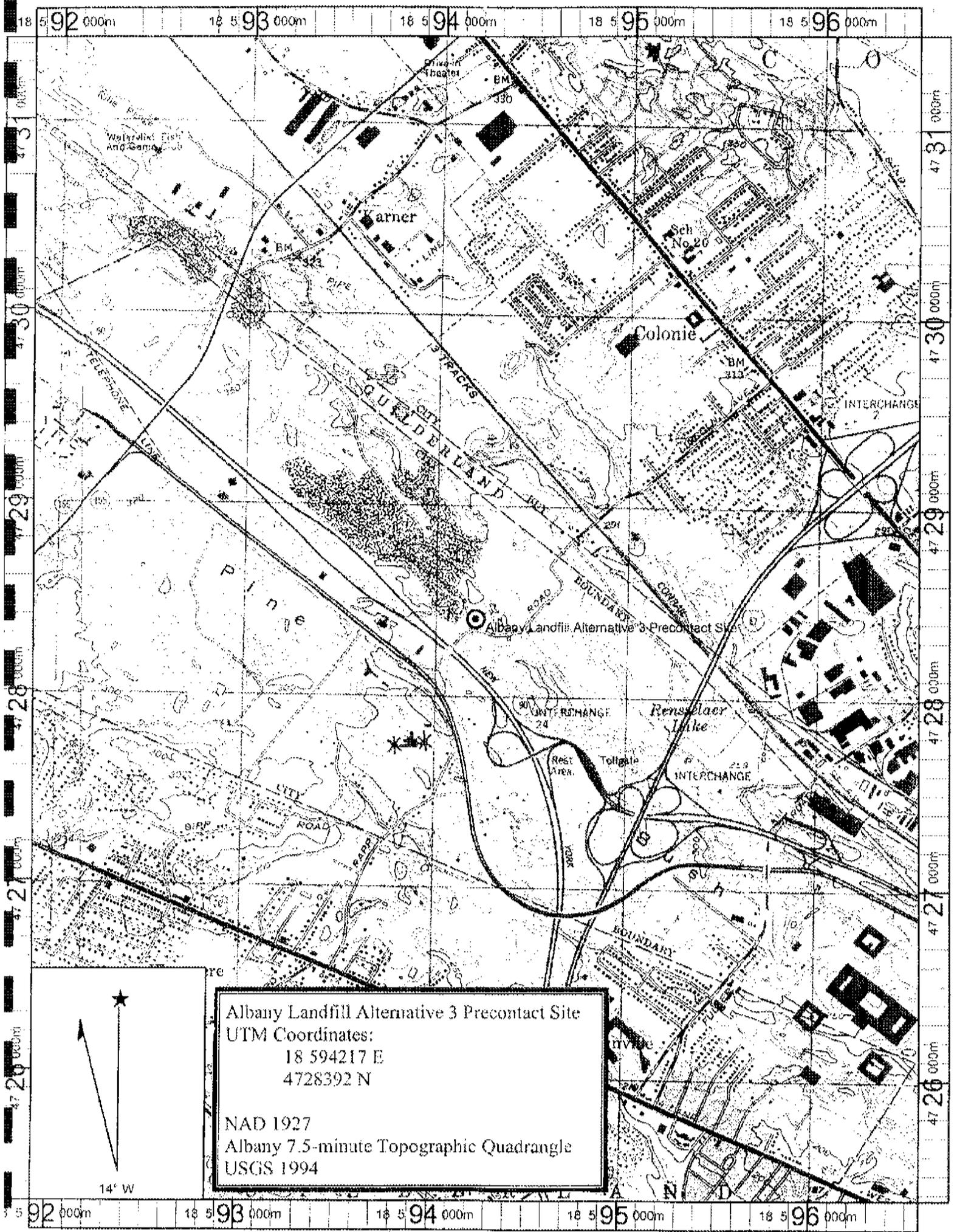
15 Minute Series Quad Name: \_\_\_\_\_

U.T.M. Coordinates: \_\_\_\_\_

D.O.T. Coordinates (if known): \_\_\_\_\_

SOURCE OF MAP:

13. PHOTOGRAPHS (optional):



Albany Landfill Alternative 3 Precontact Site  
 UTM Coordinates:  
 18 594217 E  
 4728392 N

NAD 1927  
 Albany 7.5-minute Topographic Quadrangle  
 USGS 1994

**Appendix IV:  
OPRHP Review Cover Form**



**PROJECT REVIEW COVER FORM**

Rev. 10-04

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

This information relates to a previously submitted project.

PROJECT NUMBER 06 PR 01161

COUNTY Albany



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

2. This is a new project.



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

Project Name \_\_\_\_\_

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

City/Town/Village \_\_\_\_\_  
 List the correct municipality in which your project is being undertaken. If in a hamlet you must also provide the name of the town.

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

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

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

No  Yes

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

Agency involved	Type of permit/approval	State	Federal
_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>	<input type="checkbox"/>

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

Yes  No

Was the project site wholly or partially included within an identified archeologically sensitive area?  Yes  No

Does the project site involve or is it substantially contiguous to a property listed or recommended for listing in the NY State or National Registers of Historic Places?  Yes  No

**CONTACT PERSON FOR PROJECT**

Name Frank LaVardera Title Principal

Firm/Agency Clough Harbour & Associates LLP

Address 3 Winners Circle, P.O. Box 5269 City Albany STATE NY Zip 12205

Phone ( 518 ) 453-3936 Fax ( 518 ) 453-4773 E-Mail flavardera@cha-llp.com



**PHASE IB ARCHEOLOGICAL FIELD RECONNAISSANCE**

**ALBANY LANDFILL EXPANSION ALTERNATIVE 3  
CITY OF ALBANY  
ALBANY COUNTY, NEW YORK**

**OPRHP 06PR01161  
HAA 3850-21**

*Prepared for:*

**CLOUGH HARBOUR & ASSOCIATES LLP  
3 WINNERS CIRCLE  
P.O. BOX 5269  
ALBANY, NEW YORK 12205**

*Prepared by:*

**HARTGEN ARCHEOLOGICAL ASSOCIATES, INC.  
CERTIFIED WBE/DBE  
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ALBANY, NEW YORK 12207  
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**AN ACRA MEMBER FIRM  
[www.acra-crm.org](http://www.acra-crm.org)**

**OCTOBER 2006**

**MANAGEMENT SUMMARY**

SHPO Project Review Number: **06PR01161**

Involved State and Federal Agencies: **US Army Corps of Engineers, NYS DEC**

Phase of Survey: **Phase IB Archeological Field Reconnaissance**

**Location Information**

*Location:* **Albany Landfill, 525 Rapp Road**  
*Minor Civil Division:* **City of Albany**  
*County:* **Albany**

**Survey Area**

*Length:* **2,200 feet (671 m)**  
*Width:* **1,300 feet (396 m)**  
*Number of Acres Surveyed:* **16 acres (6.5 ha) of the 53-acre (21.5 ha) APE**

USGS 7.5 Minute Quadrangle Map: **1994 Albany 7.5' Topographic Quadrangle**

**Archeological Survey Overview**

*Number and Interval of Shovel Tests:* **240 STPs at 50-foot (15 m) intervals**  
*Number and Size of Units:* **None**  
*Width of Plowed Strips:* **None**  
*Surface Survey Transect Interval:* **No surface survey**

Results of Archeological Survey: **No historic or precontact sites were identified.**

Results of Architectural Survey: **NA**

Recommendations: **No further archeological investigation is recommended.**

Report Author: **Abigail McGuirk**

Date of Report: **October 2006**



# PHASE IB ARCHEOLOGICAL FIELD RECONNAISSANCE

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### Appendix I: Shovel Test Excavation Records

### Appendix II: Artifact Catalog

### Appendix III: OPRHP Review Cover Form

### Maps

1. 1994 USGS Albany 7.5-minute Topographic Quadrangle, New York
- 2a. 2006 HAA, Inc and Clough Harbour & Associates LLP Project Map Overview
- 2b. 2006 HAA, Inc and Clough Harbour & Associates LLP Project Map with Shovel Test and Photograph Angle Locations
- 2c. 2006 HAA, Inc and Clough Harbour & Associates LLP Project Map with Shovel Test and Photograph Angle Locations

*ii Albany Landfill Expansion Alternative 3 Phase IB Field Reconnaissance*

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**Photographs**

1. Western view of the disturbed area within the northwestern strip of the project area. The sound barrier visible on the right side separates the landfill from the residential district to the north.
2. Southern view of the current waste deposit facility in the middle of the project area. The area is heavily disturbed due to the presence of underground utilities. No testing was conducted here.
3. Northern view of the testable land at the base of the slope in the northern section of the project area. There was little undergrowth to hamper testing. The stream follows the curve of the land then turns southerly and crosses into the southern section of the project area.
4. Eastern view of the northern slope. One transect followed the curve of the land and contained 12 tests (Tests 114 through 125).
5. West to east panoramic view of the slope, maintenance buildings, and assorted utilities in the northern section of the project area. The hill to the right separates the landfill from the low-lying areas to the north and the sound barrier to the right separates the landfill from the residences to the northwest.
6. Northeastern view of the wetlands relating to the stream in the northern section of the project area. No testing occurred in this area of standing water.
7. Eastern view to the wetlands below the slope in the middle of the project area. No testing was conducted in standing water or wetlands.
8. Northern view of the slope in the southern section of the project area. Testing was conducted along the crest and the base of the slope.
9. Eastern view of the wetlands in the southern section of the project area. No testing was conducted in areas of standing water.

**Table**

Soils Reported at the Albany Landfill Expansion Alternative 3 Project Area .....	3
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## PHASE IB ARCHEOLOGICAL FIELD RECONNAISSANCE

### INTRODUCTION

Hartgen Archeological Associates, Inc. (HAA, Inc.) was retained by Clough Harbour & Associates LLP to conduct a Phase IB Archeological Field Reconnaissance for the proposed Albany Landfill Expansion Alternative 3 at 525 Rapp Road in the City of Albany, Albany County, New York. The project requires permits from the US Army Corps of Engineers and the New York State Department of Environmental Conservation. Therefore, in compliance with Section 106 of the National Historic Preservation Act of 1966, the project is undergoing review by OPRHP acting as the State Historic Preservation Officer (SHPO). This report follows the guidelines in the New York Archaeological Council's (NYAC) *Standards for Cultural Resource Investigations and the Curation of Archaeological Collections in New York State* (NYAC 1994), which have been adopted by the Office of Parks, Recreation and Historic Preservation (OPRHP). It also conforms to OPRHP's *State Historic Preservation Office (SHPO) Phase I Archaeological Report Format Requirements* (OPRHP 2005).

### PROJECT INFORMATION

The 53-acre (21.5 ha) project area is located at 525 Rapp Road on the north side of Interstate 90, adjacent to the current landfill (Map 1). The City of Albany northern boundary acts as the northern limit. The lands between the city limit and the existing landfill comprise the northern section of the project. The northwestern strip lies adjacent to the sound barrier between the landfill and the residential neighborhood to the north (Photograph 1). The western and southern boundaries follow the eastern contours of the landfill and service roads. The middle section of the project area contains the current waste deposit building and associated utilities (Photograph 2). Lands in this region are heavily disturbed and were not tested. The eastern border parallels the landfill access road 300 feet (91 m) to the east then turns to connect with Rapp Road. The southern section encompasses a section of state land and two private parcels (Map 2a).

Proposed developments consist of construction of a new waste deposit facility, storage tanks, access roads, and expansion of the landfill. According to the aerial photograph prepared by Clough Harbour & Associates LLP, the project area contains approximately 32 acres (13 ha) of disturbance (Map 2a). The work scope for this project will encompass roughly one-third of the project area. Of that one-third, 5 acres (1.6 ha) are private land not examined at this time. Thus, approximately 16 acres (6.5 ha) of the area of potential effect (APE) were examined during this Phase IB field reconnaissance.

### PHASE IA BACKGROUND

The Phase IA Literature Review was completed for the proposed Albany Landfill Expansion project in December of 2004 (HAA, Inc. 2004). The following observations from the Phase IA research concern the Alternative 3 project area.

- Soils in the project area generally consist of Colonie loamy, fine sand and Granby loamy fine sand. Patches of Adrian Muck are located in the northern section. Shovel testing is an appropriate testing methodology for these glacial and partial wetland soils.
- No previously reported archeological sites were identified within the Albany Landfill Expansion Alternative 3 project.
- Historical maps demonstrate that historic settlement occurred east of the project area along what is today Rapp Road and to the north along Central Avenue. No map-documented structures are depicted within the project area on maps examined for the Phase IA Literature review.

## **PHASE IB ARCHEOLOGICAL FIELD RECONNAISSANCE**

### **Introduction**

The fieldwork for the Albany Landfill Expansion Alternative 3 project occurred Monday through Thursday, September 18 through 21, 2006. The field crew consisted of Sean Dennis, Peter Matranga, Daryl Pinckney, and John Wilkinson under the direction of Abigail McGuirk. The project was under the overall supervision of Karen S. Hartgen, RPA. The weather was cool with skies varying from cloudy to bright and sunny. Temperatures were in the high 60s.

### **Field and Laboratory Methodology**

The Phase IB fieldwork consisted of excavating screened shovel tests. The goal of shovel testing was to reach undisturbed subsoil throughout the survey area, and as there were no floodplain soils or evidence of widespread filling, screened shovel tests at intervals of 50 feet (15 m) were adequate to find both precontact and historic period sites should they be present. Shovel tests were 16 inches (40 cm) in diameter. Soils were passed through 0.25-inch (0.63-cm) hardware cloth. The Munsell color and description of each soil stratum were recorded. Except for occasional modern trash, which was noted but not retained, cultural material was collected in paper bags labeled with the project name, test number, level, date, and initials of the excavator.

At the conclusion of the fieldwork, the shovel test records and artifact collection were delivered to the HAA, Inc. laboratory where the materials were cleaned and inventoried, and the shovel tests and the artifact inventory were entered into the Access database. Shovel test excavation records are presented in Appendix 1; the artifact catalog is Appendix 2. Shovel test locations were plotted on the project map, and site conditions were documented with photographs (Photographs 1 through 9) (Maps 2b and 2c).

### **Field Results**

One hundred forty-three tests (Tests 1 through 143) were excavated in the northern section of the project area within ten transects (Map 2b). Transects were generally organized in an east-west direction parallel to the northern project boundary. As the land in the northern section was relatively flat with little undergrowth, excavations proceeded efficiently (Photograph 3). The two southernmost transects of the northern section extended along the base and crest of a slope that separates the landfill from the low-lying areas (Tests 114 through 143) (Photographs 4 and 5). A stream followed the base of the slope, then turned south and crossed the project area. Some areas were not tested due to standing water (Photograph 6).

The northwestern strip of the project was heavily disturbed and included the sound barrier that separates the landfill from the residences to the north (Photograph 1). No testing was conducted on the disturbed grounds. The middle of the project area also contained disturbances (Map 2a). Several structures and numerous underground utilities permeate the area to the west of the access road (Photograph 2). The land to the east of the road slopes steeply down to the stream and associated wetland (Photograph 7). No testing was conducted in the middle section of the project.

The final tests were excavated in the southern section of the project (Map 2c). The land was heavily forested with pine and oak and was bisected by the slope that extends through the center of the area (Photograph 8). Ninety-seven tests were excavated along 14 transects (Tests 144 through 240). As in the northern section, transect orientation was east-west parallel to the northern landfill boundary. The stream that crosses the project area extends into the southern section, then turns eastward and passes out of the project. Several areas were not tested due to standing water in the wetlands (Photograph 9). No precontact or significant historic material was encountered during fieldwork.

### Soils and Stratigraphy

Two hundred-forty tests were excavated in the northern and middle sections of the project area. One hundred ninety-three tests had more than one level. The topsoil (A horizon) averaged nearly 28 cm (11 in) among them. For the 167 tests with two levels, the average depth was a little more than 49 cm (19 in). For the 26 tests with three levels, the average depth was 55 cm (22 in). Forty-six tests terminated after only one level. Tests 10, 16, 20, 40, 48, 60, 61, 90, 95, 107, 138, 206, 220, 223, 227, and 233 terminated due to roots and Test 102 encountered a large rock. Tests 235 through 237 contained water. Tests 58, 126, 127, 130, 134, 140, 143, 149 through 151, 160, 163, 167, 177, 197, 199 through 201, 205, 207 through 209, 218, and 224 through 226 were disturbed and did not display a topsoil. They terminated in subsoil after only one level. Test 186 was not excavated due to slope.

The most common soil types reported in the shovel tests are tallied below in Table 1. Generally speaking, the soils identified during testing conformed to what was expected according to the soil types reported for the project area in the Phase IA (HAA, Inc 2004).

**Table 1: Soils Reported at the Albany Landfill Expansion Alternative 3 Project Area**

	Level 1 (N / %)		Level 2 (N / %)		Level 3 (N / %)	
Cl Sa Lo					1	3.8
Lo	5	2.1	1	0.5		
Lo Sa	13	5.4	11	5.7		
Sa	62	25.9	104	53.9	13	50.0
Sa Lo	71	29.8	1	0.5	2	7.8
Sa Si	18	7.5	11	5.7	1	3.8
Sa Si Lo	3	1.3				
Si	3	1.3	3	1.6		
Si Cl			14	7.3	1	3.8
Si Lo	35	14.6	1	0.5	2	7.8
Si Sa	28	11.7	46	23.8	5	19.2
Si Sa Cl					1	3.8
Si Sa Lo	1	0.4	1	0.5		
<b>Totals</b>	<b>239</b>	<b>100.0%</b>	<b>193</b>	<b>100.0%</b>	<b>26</b>	<b>100.0%</b>
Key: Cl - clay; Lo - Loam; Sa - sand; Si - silt						

The color of the topsoil was generally very dark grayish brown to dark brown. The subsoils were typically lighter in color than the topsoil ranging among dark yellowish brown, yellowish brown, and brownish yellow. For wetland soils, Level 1 was generally black and Level 2 was light brownish gray. Several areas were stripped of topsoil and excavations immediately encountered subsoil.

#### ***4 Albany Landfill Expansion Alternative 3 Phase IB Field Reconnaissance***

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##### **Artifact Assemblage**

Modern trash including bottle glass, plastic, and foil wrappers was commonly noted but not retained during excavation. Two tests were positive for historic artifacts. Test 23 recovered a single piece of whiteware in Level 1 and Test 178 produced one iron-alloy metal punch. Neither artifact constitutes a historic deposit warranting additional investigation. No precontact material was encountered.

##### **SUMMARY AND RECOMMENDATIONS**

At the request of Clough Harbor & Associates LLP, HAA, Inc. conducted a Phase IB study for approximately 16 acres (6.5 ha) of land within the 53-acre (21.5 ha) proposed Expansion Alternative 3 of the Albany Landfill along Rapp Road in the City of Albany, Albany County, New York. Based upon the information gathered and assessed from the literature review, both precontact and historic archeological sensitivity and potential were considered to be moderate to low. Of the 240 shovel tests excavated during the Phase IB reconnaissance, no precontact material or historic deposits were encountered. No precontact or historic sites were identified. No further archeological investigation is recommended for the Albany Landfill Expansion Alternative 3.

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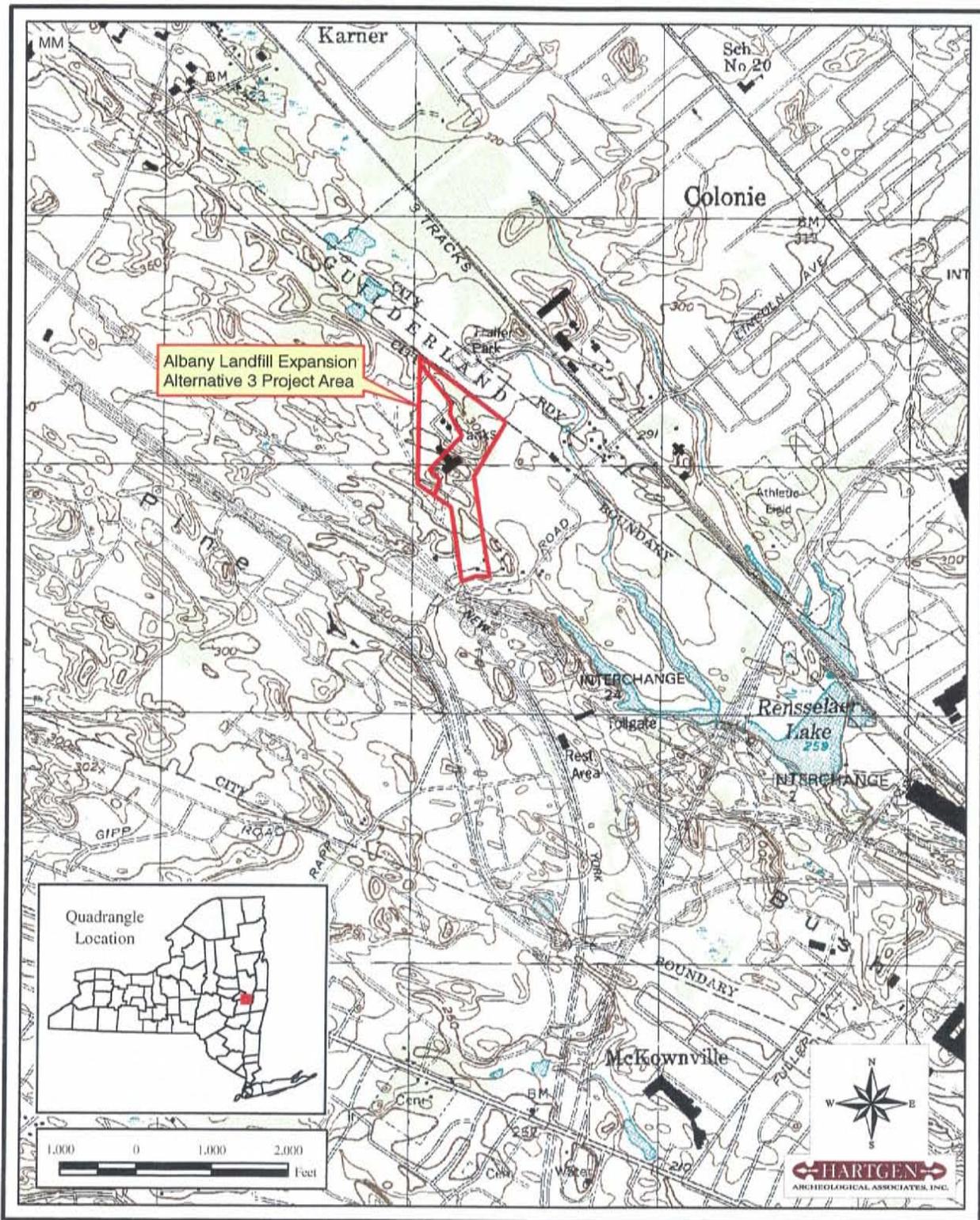
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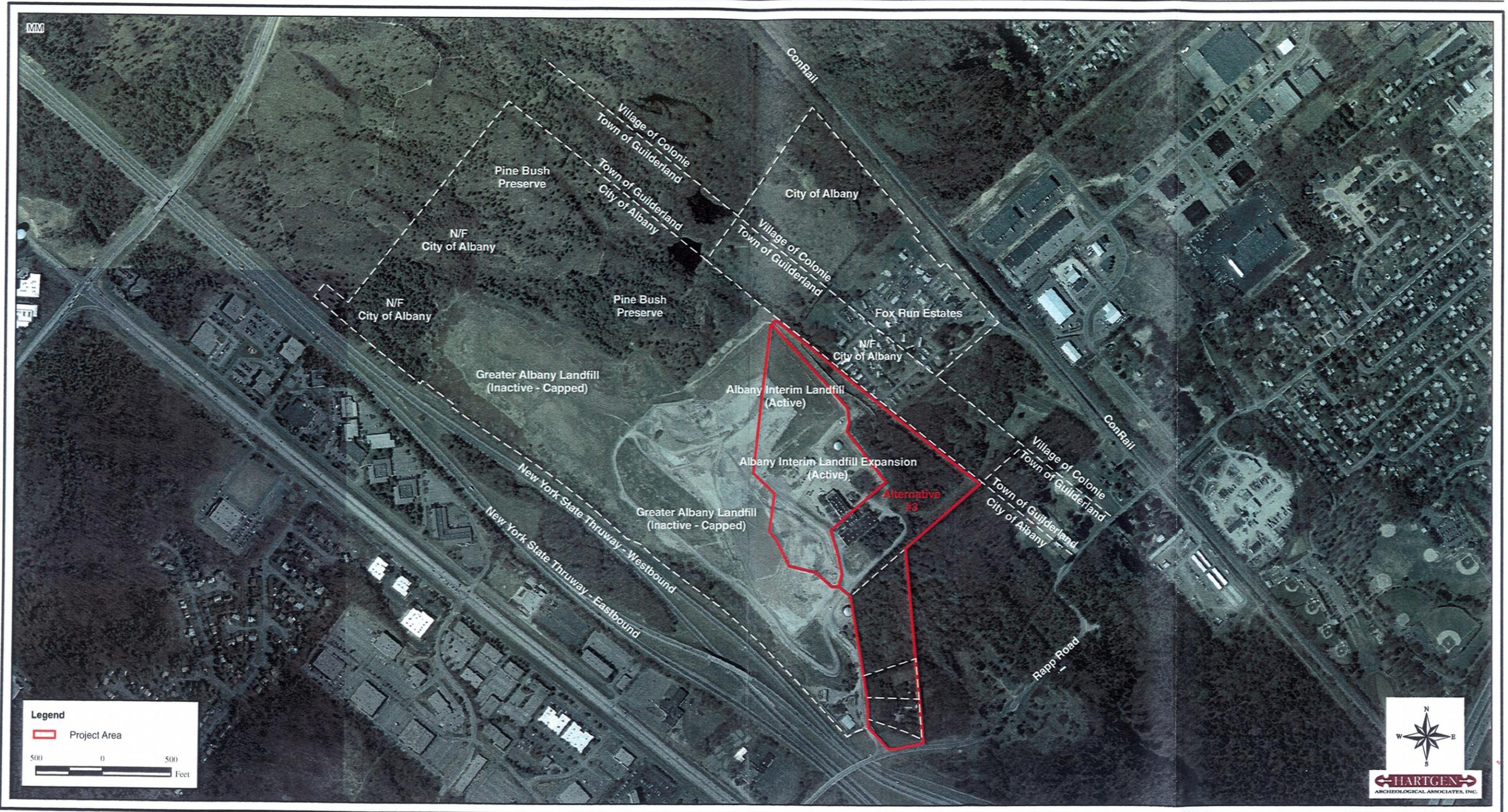
## **Maps**

Phase IB Archeological Investigation, Albany Landfill Expansion Alternative 3, City of Albany, New York



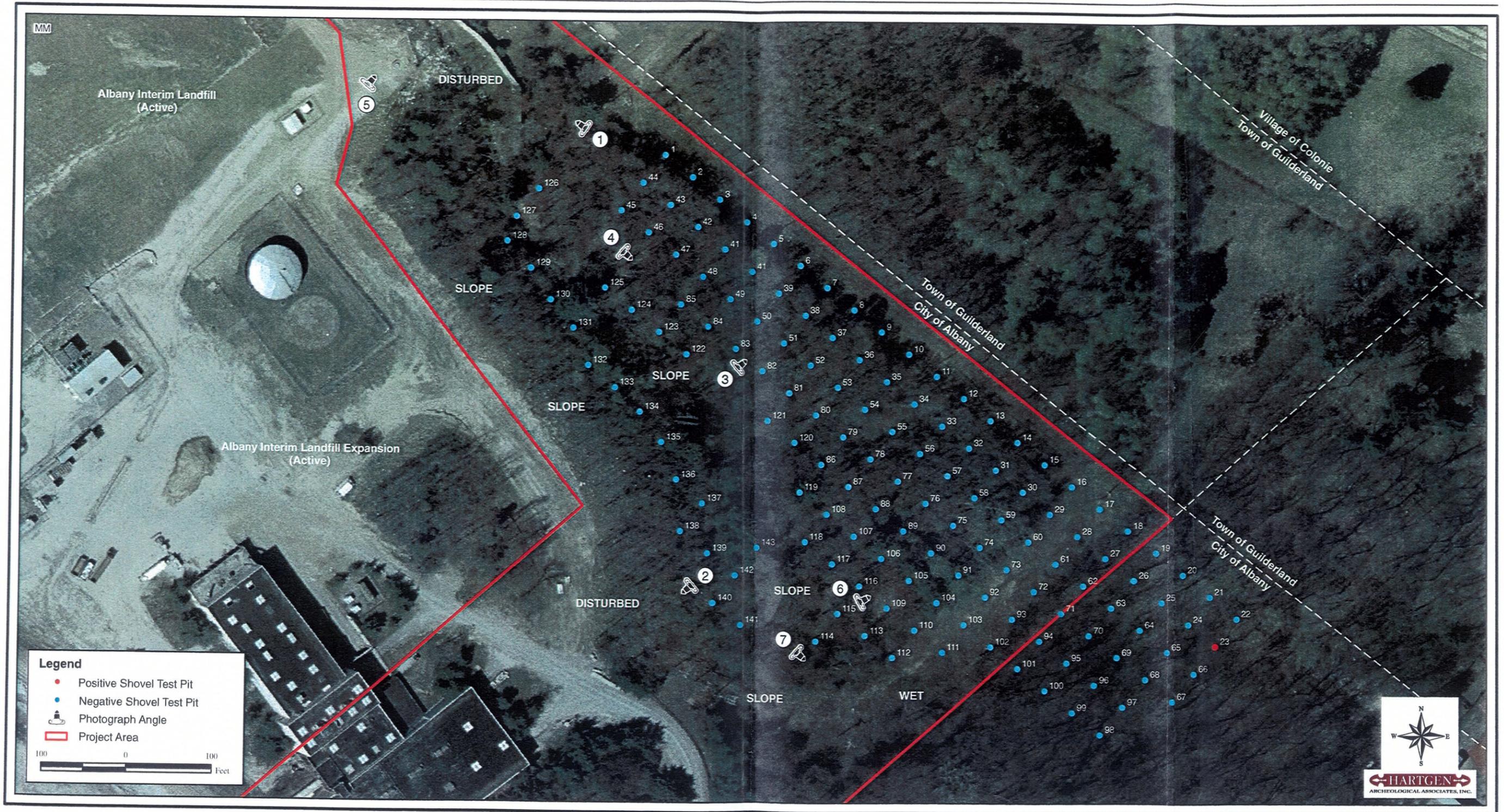
Map 1

1994 USGS Albany 7.5' Topographic Quadrangle, New York



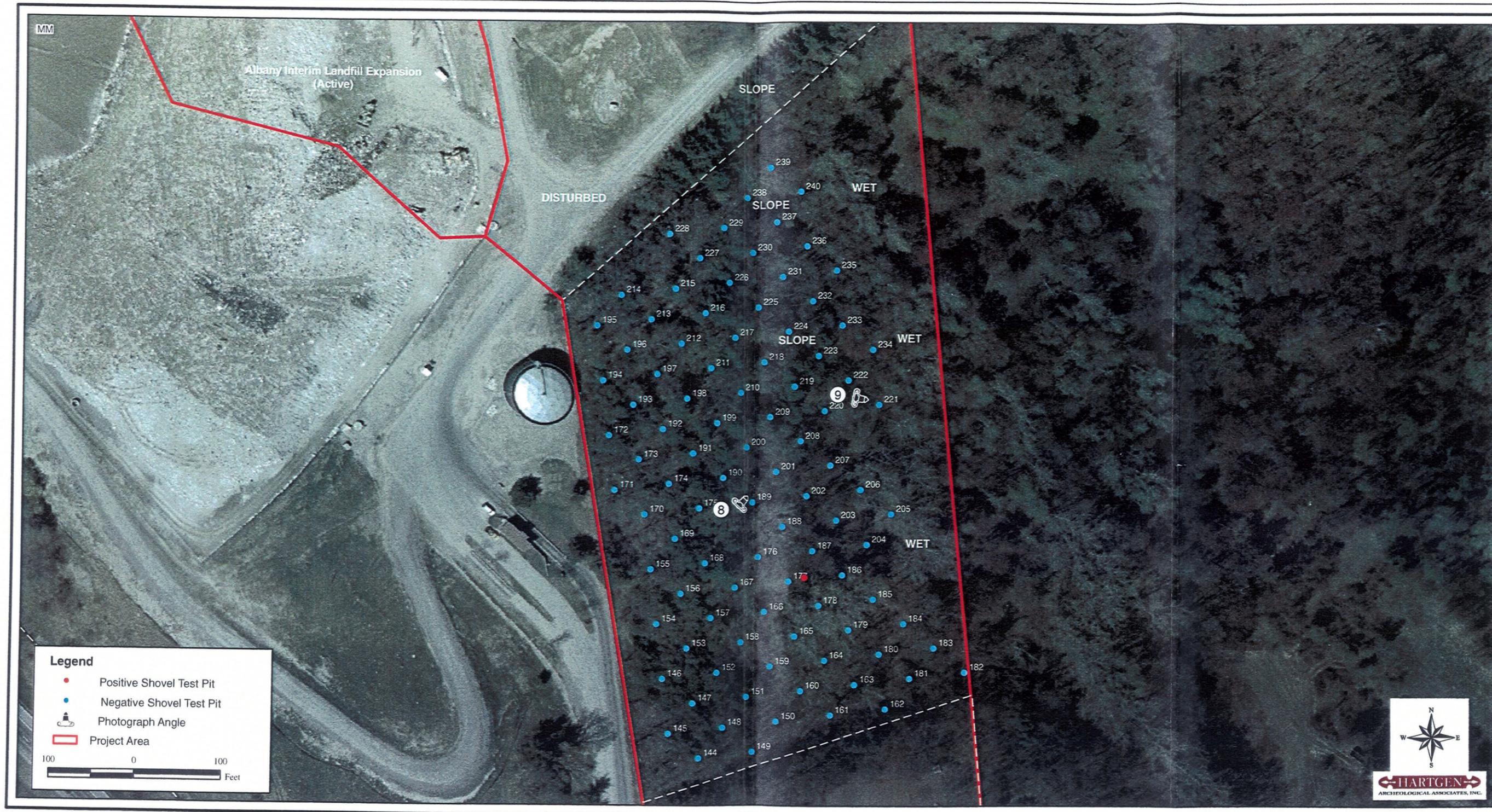
Map 2a

2006 HAA, Inc. and Clough Harbour & Associates, LLP, Project Map Overview



Map 2b

2006 HAA, Inc. and Clough Harbour & Associates, LLP, Project Map with Shovel Test and Photograph Angle Locations



Map 2c

2006 HAA, Inc. and Clough Harbour & Associates, LLP, Project Map with Shovel Test and Photograph Angle Locations

**Photographs**



Photograph 1: Western view of the disturbed area within the northwestern strip of the project area. The sound barrier on the right side separates the landfill from the residential district to the north.



Photograph 2: Southern view of the current waste deposit facility in the middle of the project area. The area is heavily disturbed due to the presence of underground utilities. No testing was conducted here.



Photograph 3: Northern view of the testable land at the base of the slope in the northern section of the project area. There was little undergrowth to hamper testing. The stream follows the curve of the land then turns southerly and crosses into the southern section of the project area.



Photograph 4: Eastern view of the northern slope. One transect followed the curve of the land and contained 12 tests (Tests 114 through 125).



Photograph 5: West to east panoramic view of the slope, maintenance buildings, and assorted utilities in the northern section of the project area. The hill to the right separates the landfill from the low-lying areas to the north and the sound barrier to the left separates the landfill from the residences to the northwest



Photograph 6: Northeastern view of the wetlands relating to the stream in the northern section of the project area. No testing occurred in this area of standing water.



Photograph 7: Eastern view to the wetlands below the slope in the middle of the project area. No testing was conducted in standing water or wetlands.



Photograph 8: Northern view of the slope in the southern section of the project area. Testing was conducted along the crest and the base of the slope.



Photograph 9: Eastern view of the wetlands in the southern section of the project area. No testing was conducted in areas of standing water.

**Appendix I:  
Shovel Test Excavation Records**

# Albany Landfill Expansion Alternative 3

## Shovel Test Records

	<u>Depth (cm)</u>	<u>Soil Type</u>	<u>Soil Inclusions</u>	<u>Munsell Color</u>		<u>Termination Reason</u>
1	0 - 30	silty sandy loam		7.5YR 4/3	brown	
	30 - 41	silty sand		10YR 5/6	yellowish brown	
	41 - 53	compact sand		2.5Y 6/6	olive yellow	subsoil
2	0 - 37	sandy loam		10YR 2/1	black	
	37 - 50	sand		10YR 6/2	light brownish gray	subsoil
3	0 - 35	silty loam		10YR 2/1	black	
	35 - 51	silty clay		10YR 5/2	grayish brown	subsoil
4	0 - 33	organic silty loam	roots	10YR 2/1	black	
	33 - 45	sand		10YR 6/2	light brownish gray	subsoil/water
5	0 - 30	sandy loam		10YR 3/3	dark brown	
	30 - 43	sand		10YR 6/2	light brownish gray	subsoil
6	0 - 29	silty loam		10YR 2/1	black	
	29 - 41	silty clay		10YR 4/6	dark yellowish brown	roots
7	0 - 30	sandy loam		10YR 4/4	dark yellowish brown	
	30 - 45	sand		10YR 5/6	yellowish brown	subsoil
		sand		10YR 6/2	light brownish gray	subsoil
8	0 - 30	sandy silty loam		10YR 2/2	very dark brown	
	30 - 43	sand		10YR 5/3	brown	subsoil
9	0 - 23	silty loam		10YR 2/1	black	
	23 - 56	silty clay		10YR 5/2	grayish brown	subsoil
10	0 - 30	sandy loam	roots	10YR 4/4	dark yellowish brown	roots
11	0 - 32	sandy silty loam	roots	10YR 4/4	dark yellowish brown	
	32 - 44	coarse sand	gravel and roots	10YR 5/6	yellowish brown	subsoil
12	0 - 26	silty loam		10YR 2/1	black	
	26 - 55	silty clay		10YR 5/2	grayish brown	subsoil
13	0 - 30	sandy loam		10YR 2/1	black	
	30 - 40	sand	roots	10YR 6/2	light brownish gray	subsoil
14	0 - 28	silty loam	roots	10YR 2/2	very dark brown	
	28 - 42	sandy loam	roots	10YR 5/3	brown	subsoil/water
15	0 - 29	silty loam		10YR 2/1	black	
	29 - 51	silty clay		10YR 5/3	brown	subsoil
16	0 - 33	sandy loam	roots	10YR 3/3	dark brown	roots
17	0 - 21	silty loam	roots	10YR 4/3	brown	
	21 - 30	sandy silty loam	roots	10YR 4/4	dark yellowish brown	
	30 - 43	sandy silt		10YR 5/6	yellowish brown	subsoil
18	0 - 31	sandy loam		10YR 4/3	brown	
	31 - 45	sand		10YR 5/6	yellowish brown	subsoil
19	0 - 17	silty loam		10YR 3/2	very dark grayish brown	
	17 - 34	silty clay		10YR 5/6	yellowish brown	
	34 - 51	silty clay		10YR 4/6	dark yellowish brown	subsoil

## Albany Landfill Expansion Alternative 3 Shovel Test Records

	<u>Depth (cm)</u>	<u>Soil Type</u>	<u>Soil Inclusions</u>	<u>Munsell Color</u>		<u>Termination Reason</u>
20	0 - 25	sandy silt	roots	10YR 4/3	brown	roots
21	0 - 27	sandy loam		10YR 4/3	brown	
	27 - 40	sand		10YR 5/6	yellowish brown	subsoil
		sand		10YR 6/2	light brownish gray	subsoil
22	0 - 27	silty loam		10YR 4/3	brown	
	27 - 56	silty sand		10YR 4/6	dark yellowish brown	subsoil
23	0 - 23	sandy silt		10YR 2/2	very dark brown	
	23 - 39	sand		10YR 5/8	yellowish brown	subsoil
24	0 - 35	sandy loam		10YR 3/2	very dark grayish brown	
	35 - 52	sand		10YR 4/6	dark yellowish brown	subsoil
25	0 - 23	silty loam		10YR 3/2	very dark grayish brown	
	23 - 49	silty sand		10YR 4/6	dark yellowish brown	subsoil
26	0 - 30	sandy loam		10YR 3/2	very dark grayish brown	
	30 - 47	sand		10YR 5/6	yellowish brown	subsoil
27	0 - 15	sandy silty loam	roots	10YR 2/2	very dark brown	
	15 - 30	sandy silt	roots	10YR 4/3	brown	
	30 - 42	sand		10YR 5/6	yellowish brown	subsoil
28	0 - 40	sand		10YR 4/3	brown	
	40 - 58	sand		10YR 5/6	yellowish brown	subsoil
29	0 - 37	silty loam		10YR 4/3	brown	
	37 - 61	silty sand		10YR 4/6	dark yellowish brown	subsoil
30	0 - 27	sandy silt	roots	10YR 4/3	brown	
	27 - 39	sand		10YR 5/8	yellowish brown	subsoil
31	0 - 36	sand		10YR 4/3	brown	
	36 - 48	sand		10YR 5/6	yellowish brown	subsoil
32	0 - 33	silty loam		10YR 2/1	black	
	33 - 49	silty sand		10YR 5/3	brown	subsoil
33	0 - 30	sandy loam	water	10YR 2/1	black	
	30 - 40	sand	water	10YR 6/2	light brownish gray	subsoil/water
34	0 - 23	sandy silt	roots	10YR 4/3	brown	
	23 - 33	silty sand	roots	10YR 4/6	dark yellowish brown	
	33 - 45	sand		10YR 5/6	yellowish brown	subsoil
35	0 - 30	sandy loam		10YR 3/3	dark brown	
	30 - 42	sand		10YR 6/2	light brownish gray	subsoil
36	0 - 31	silty loam		10YR 2/1	black	
	31 - 52	silty sand		10YR 5/3	brown	subsoil
37	0 - 31	sandy silt	roots	10YR 2/2	very dark brown	
	31 - 39	silty sand	roots	10YR 5/8	yellowish brown	
	39 - 51	clayey sandy loam		10YR 6/3	pale brown	subsoil

## Albany Landfill Expansion Alternative 3 Shovel Test Records

	<u>Depth (cm)</u>	<u>Soil Type</u>	<u>Soil Inclusions</u>	<u>Munsell Color</u>		<u>Termination Reason</u>
38	0 - 30	sandy loam		10YR 2/1	black	
	30 - 36	sand		10YR 6/1	gray	roots
39	0 - 32	silty loam		10YR 2/1	black	
	32 - 51	silty sandy clay		10YR 4/6	dark yellowish brown	subsoil
40	0 - 24	silt	roots	10YR 3/3	dark brown	roots
41	0 - 31	sand		10YR 4/4	dark yellowish brown	
	31 - 45	sand		10YR 4/6	dark yellowish brown	subsoil
		sand		10YR 5/6	yellowish brown	subsoil
42	0 - 35	silty loam		10YR 4/3	brown	
	35 - 51	silty sand		10YR 4/6	dark yellowish brown	subsoil
43	0 - 30	sand		10YR 2/1	black	
	30 - 43	sand		10YR 6/2	light brownish gray	subsoil
44	0 - 25	silt	roots	10YR 3/1	very dark gray	
	25 - 39	sand		10YR 6/2	light brownish gray	subsoil
45	0 - 15	sand		10YR 3/4	dark yellowish brown	
	15 - 30	sand		10YR 2/1	black	
	30 - 40	sand		10YR 6/2	light brownish gray	subsoil
46	0 - 36	sand		10YR 2/1	black	
	36 - 58	silty sand		10YR 6/2	light brownish gray	subsoil
47	0 - 34	silty loam		10YR 2/1	black	
	34 - 52	silty sand		10YR 5/3	brown	subsoil
48	0 - 30	silt	roots	10YR 3/2	very dark grayish brown	roots
49	0 - 30	sandy loam		10YR 2/1	black	
	30 - 40	sand		10YR 6/2	light brownish gray	subsoil
50	0 - 34	organic silty loam	roots	10YR 2/1	black	
	34 - 48	silty sand		10YR 6/3	pale brown	subsoil
51	0 - 31	silty loam		10YR 4/3	brown	
	31 - 42	silty clay		10YR 4/6	dark yellowish brown	
	42 - 53	silty sand		10YR 5/2	grayish brown	subsoil
52	0 - 30	sandy loam		10YR 2/2	very dark brown	
	30 - 43	sand		10YR 6/2	light brownish gray	subsoil
53	0 - 33	sandy silt	roots	10YR 4/4	dark yellowish brown	
	33 - 45	silty sand	roots	10YR 5/8	yellowish brown	subsoil
54	0 - 30	sandy loam		10YR 2/1	black	
	30 - 40	sandy silt		10YR 6/2	light brownish gray	subsoil
55	0 - 38	silty loam		10YR 2/1	black	
	38 - 52	silty sand		10YR 4/2	dark grayish brown	subsoil
56	0 - 30	sandy loam		10YR 2/1	black	
	30 - 42	sandy silt		10YR 6/2	light brownish gray	subsoil

## Albany Landfill Expansion Alternative 3 Shovel Test Records

	<u>Depth (cm)</u>	<u>Soil Type</u>	<u>Soil Inclusions</u>	<u>Munsell Color</u>		<u>Termination Reason</u>
57	0 - 24	sandy silt	roots	10YR 3/3	dark brown	
	24 - 38	silty sand	roots	10YR 4/6	dark yellowish brown	
	38 - 53	silty sand		10YR 5/8	yellowish brown	subsoil
58	0 - 51	silty sand		10YR 4/6	dark yellowish brown	depth
59	0 - 36	sandy loam		10YR 2/1	black	
	36 - 40	sandy silt	rock	10YR 5/6	yellowish brown	subsoil
60	0 - 32	sandy silt	roots	10YR 4/3	brown	roots and rock
61	0 - 52	silty sand		10YR 2/2	very dark brown	roots
62	0 - 31	sandy loam		10YR 2/1	black	
	31 - 45	sand		10YR 6/2	light brownish gray	subsoil/roots
63	0 - 34	sandy silt	roots	10YR 2/1	black	
	34 - 48	compact sand		10YR 5/2	grayish brown	subsoil
64	0 - 27	silty loam		10YR 2/1	black	
	27 - 51	silty clay		10YR 5/2	grayish brown	subsoil
65	0 - 30	sandy loam		10YR 3/3	dark brown	
	30 - 42	sand		10YR 6/2	light brownish gray	subsoil
66	0 - 28	sandy silt	roots	10YR 4/3	brown	
	28 - 39	silty sand	roots	10YR 4/4	dark yellowish brown	
	39 - 51	sand		10YR 6/2	light brownish gray	subsoil
67	0 - 30	sandy loam		10YR 3/2	very dark grayish brown	
	30 - 43	sand		10YR 5/6	yellowish brown	subsoil
68	0 - 26	silty loam		10YR 2/2	very dark brown	
	26 - 46	silty clay		10YR 4/6	dark yellowish brown	subsoil
69	0 - 24	sandy silt	roots	10YR 4/3	brown	
	24 - 32	sandy silt	roots	10YR 4/6	dark yellowish brown	
	32 - 47	sand		10YR 5/6	yellowish brown	subsoil
70	0 - 30	sandy loam		10YR 3/2	very dark grayish brown	
	30 - 40	sand		10YR 5/4	yellowish brown	subsoil
71	0 - 42	silty loam		10YR 4/3	brown	
	42 - 53	silty clay		10YR 4/6	dark yellowish brown	subsoil
72	0 - 30	sandy loam		10YR 3/2	very dark grayish brown	
	30 - 43	sand		10YR 4/6	dark yellowish brown	subsoil
73	0 - 36	sandy loam		10YR 3/2	very dark grayish brown	
	36 - 53	sandy silt		10YR 5/6	yellowish brown	subsoil
74	0 - 14	silty sand		10YR 3/4	dark yellowish brown	
	14 - 41	silty sand		10YR 4/6	dark yellowish brown	subsoil
75	0 - 30	sand		10YR 4/4	dark yellowish brown	
	30 - 42	sand		10YR 5/6	yellowish brown	subsoil

## Albany Landfill Expansion Alternative 3 Shovel Test Records

	<u>Depth (cm)</u>	<u>Soil Type</u>	<u>Soil Inclusions</u>	<u>Munsell Color</u>		<u>Termination Reason</u>
76	0 - 28	sand	roots	10YR 4/4	dark yellowish brown	
	28 - 44	sand		10YR 5/6	yellowish brown	subsoil
77	0 - 31	silty loam		10YR 2/1	black	
	31 - 42	silty clay		10YR 6/2	light brownish gray	subsoil
78	0 - 30	sandy loam		10YR 2/1	black	
	30 - 40	sand		10YR 6/2	light brownish gray	subsoil
79	0 - 19	sandy loam		10YR 2/1	black	
	19 - 29	silt		10YR 6/8	brownish yellow	
	29 - 47	fine sand		10YR 5/2	grayish brown	subsoil
80	0 - 30	sand		10YR 4/4	dark yellowish brown	
	30 - 41	sand		10YR 5/6	yellowish brown	subsoil
		sand		10YR 6/2	light brownish gray	subsoil
81	0 - 29	silty loam		10YR 2/1	black	
	29 - 41	silty clay		10YR 5/2	grayish brown	subsoil
82	0 - 27	sandy loam		10YR 2/1	black	
	27 - 40	sand		10YR 6/2	light brownish gray	subsoil
83	0 - 27	silty loam		10YR 2/1	black	
	27 - 39	silty clay		10YR 5/2	grayish brown	subsoil
84	0 - 30	sandy loam		10YR 2/1	black	
	30 - 36	silt		10YR 6/8	brownish yellow	
	36 - 50	fine sand		10YR 5/2	grayish brown	subsoil
85	0 - 24	sandy loam		10YR 3/3	dark brown	
	24 - 40	sand		10YR 5/6	yellowish brown	subsoil
86	0 - 36	silty loam		10YR 2/1	black	
	36 - 47	silty clay		10YR 5/2	grayish brown	subsoil
87	0 - 32	sandy loam		10YR 2/1	black	
	32 - 44	sand		10YR 6/2	light brownish gray	subsoil
88	0 - 36	loam		10YR 2/1	black	
	36 - 47	loamy humus		10YR 3/2	very dark grayish brown	
	47 - 56	fine sand		10YR 5/2	grayish brown	subsoil
89	0 - 30	sandy loam		10YR 2/1	black	
	30 - 47	sand		10YR 6/2	light brownish gray	subsoil
90	0 - 39	silty loam		10YR 4/3	brown	roots
91	0 - 47	sand		10YR 3/3	dark brown	
	47 - 59	sand		10YR 5/6	yellowish brown	subsoil
92	0 - 29	sandy loam		10YR 4/3	brown	
	29 - 53	fine sand		10YR 6/8	brownish yellow	subsoil
93	0 - 33	sandy silt	roots	10YR 4/3	brown	
	33 - 47	sand		10YR 5/6	yellowish brown	subsoil

## Albany Landfill Expansion Alternative 3 Shovel Test Records

	<u>Depth (cm)</u>	<u>Soil Type</u>	<u>Soil Inclusions</u>	<u>Munsell Color</u>		<u>Termination Reason</u>
94	0 - 32	sandy loam		10YR 3/2	very dark grayish brown	
	32 - 45	sand		10YR 4/6	dark yellowish brown	subsoil
95	0 - 28	silty loam		10YR 2/1	black	roots
96	0 - 33	sandy silt	roots	10YR 4/3	brown	
	33 - 40	silty sand	roots	10YR 4/6	dark yellowish brown	
	40 - 52	sand		10YR 5/8	yellowish brown	subsoil
97	0 - 34	sandy loam		10YR 3/3	dark brown	
	34 - 50	sand		10YR 4/6	dark yellowish brown	subsoil
98	0 - 31	silty loam		10YR 3/2	very dark grayish brown	
	31 - 52	silty loam		10YR 4/1	dark gray	
	52 - 63	silty loam		10YR 3/2	very dark grayish brown	subsoil
99	0 - 30	sandy loam		10YR 3/4	dark yellowish brown	
	30 - 40	sand		10YR 4/6	dark yellowish brown	subsoil
100	0 - 33	sandy silt	roots	10YR 4/3	brown	
	33 - 48	sand		10YR 5/6	yellowish brown	subsoil
101	0 - 30	sandy loam		10YR 3/4	dark yellowish brown	
	30 - 33	sand		10YR 5/6	yellowish brown	subsoil/rock
102	0 - 37	silty loam		10YR 2/2	very dark brown	subsoil/rock
103	0 - 35	sandy loam		10YR 2/1	black	
	35 - 51	sand		10YR 6/8	brownish yellow	subsoil
104	0 - 30	loam		10YR 3/2	very dark grayish brown	
	30 - 41	fine sand		10YR 6/6	brownish yellow	
	41 - 48	fine sand		10YR 6/2	light brownish gray	subsoil
105	0 - 31	silty loam		10YR 4/3	brown	
	31 - 50	silty sand		10YR 4/6	dark yellowish brown	subsoil
106	0 - 25	silty loam		10YR 2/1	black	
	25 - 41	silty sand		10YR 5/2	grayish brown	subsoil
107	0 - 15	sand		10YR 2/1	black	roots
108	0 - 37	silty loam		10YR 2/1	black	
	37 - 51	silty sand		10YR 5/2	grayish brown	subsoil
109	0 - 25	loam		10YR 2/1	black	
	25 - 45	fine sand		10YR 6/1	gray	subsoil
110	0 - 30	sandy loam		10YR 2/2	very dark brown	
	30 - 40	sand		10YR 6/2	light brownish gray	subsoil
		sand		10YR 5/6	yellowish brown	subsoil
111	0 - 40	sand		10YR 2/1	black	
	40 - 50	sand		10YR 6/2	light brownish gray	subsoil
112	0 - 35	sandy loam		10YR 3/2	very dark grayish brown	
	35 - 47	sand		10YR 6/2	light brownish gray	subsoil

## Albany Landfill Expansion Alternative 3 Shovel Test Records

	<u>Depth (cm)</u>	<u>Soil Type</u>	<u>Soil Inclusions</u>	<u>Munsell Color</u>	<u>Termination Reason</u>	
113	0 - 31	sandy loam		10YR 3/2	very dark grayish brown	
	31 - 42	sand		10YR 6/2	light brownish gray	subsoil
114	0 - 36	sand		10YR 2/2	very dark brown	
	36 - 47	sand		10YR 4/6	dark yellowish brown	subsoil
115	0 - 25	humus	sandy loam	10YR 3/2	very dark grayish brown	
	25 - 54	loamy sand		10YR 2/1	black	
	54 - 76	sandy loam	roots	10YR 2/2	very dark brown	subsoil
116	0 - 28	silty loam		10YR 3/2	very dark grayish brown	
	28 - 36	silty sand		10YR 4/6	dark yellowish brown	
	36 - 51	silty loam		10YR 3/2	very dark grayish brown	subsoil
117	0 - 30	sand	humus	10YR 3/3	dark brown	
	30 - 60	sand		10YR 5/6	yellowish brown	subsoil
118	0 - 80	silty sand		10YR 4/2	dark grayish brown	
	80 - 86	silt	charcoal	10YR 2/1	black	
	86 - 94	silty sand		10YR 4/6	dark yellowish brown	depth
119	0 - 33	sandy loam		10YR 4/2	dark grayish brown	
	33 - 61	fine sand		10YR 4/4	dark yellowish brown	subsoil
120	0 - 37	sand		10YR 3/1	very dark gray	
	37 - 50	sand		10YR 6/1	gray	subsoil
121	0 - 15	silty sand		10YR 2/2	very dark brown	
	15 - 51	silty sand		10YR 4/2	dark grayish brown	subsoil
122	0 - 15	sand		10YR 3/4	dark yellowish brown	
	15 - 40	sand		10YR 6/2	light brownish gray	subsoil
123	0 - 10	sandy loam		10YR 3/4	dark yellowish brown	
	10 - 42	sand		10YR 5/6	yellowish brown	subsoil
124	0 - 5	sandy loam		10YR 3/2	very dark grayish brown	
	5 - 43	fine sand		10YR 5/6	yellowish brown	
	43 - 52	sandy loam		10YR 2/1	black	roots
		sandy loam		10YR 3/2	very dark grayish brown	roots
125	0 - 30	sand		10YR 5/1	gray	
	30 - 46	sand		10YR 6/1	gray	subsoil
126	0 - 74	silty sand		10YR 4/6	dark yellowish brown	subsoil
127	0 - 70	sand		10YR 5/6	yellowish brown	disturbed
128	0 - 28	sandy loam		10YR 3/1	very dark gray	
	20 - 44	fine sand		10YR 4/6	dark yellowish brown	subsoil
129	0 - 26	silty sand		10YR 4/2	dark grayish brown	
	26 - 73	silty sand		10YR 5/6	yellowish brown	depth
130	0 - 71	sand		10YR 4/6	dark yellowish brown	disturbed
131	0 - 43	loamy sand		10YR 5/3	brown	
	43 - 63	fine sand		10YR 6/6	brownish yellow	subsoil

## Albany Landfill Expansion Alternative 3 Shovel Test Records

	<u>Depth (cm)</u>	<u>Soil Type</u>	<u>Soil Inclusions</u>	<u>Munsell Color</u>		<u>Termination Reason</u>
132	0 - 28	sand		10YR 5/3	brown	
	28 - 36	sand		10YR 3/1	very dark gray	
	36 - 50	sand		10YR 7/4	very pale brown	subsoil
133	0 - 18	silty sand		10YR 4/6	dark yellowish brown	
	18 - 28	silty sandy loam		10YR 4/3	brown	
	28 - 51	silty sand		10YR 5/6	yellowish brown	disturbed
134	0 - 73	sand		10YR 6/6	brownish yellow	disturbed
135	0 - 30	loamy sand		10YR 3/2	very dark grayish brown	
	30 - 59	fine sand		10YR 6/6	brownish yellow	subsoil
136	0 - 21	silty sand		10YR 3/2	very dark grayish brown	
	21 - 51	silty sand		10YR 5/6	yellowish brown	subsoil
137	0 - 21	silty sand		10YR 4/6	dark yellowish brown	
		silty sand		10YR 4/3	brown	
	21 - 30	silty sand		10YR 3/2	very dark grayish brown	
	30 - 61	silty sand		10YR 4/6	dark yellowish brown	subsoil
138	0 - 46	sand	roots	10YR 6/6	brownish yellow	roots
139	0 - 28	silty sand		10YR 4/3	brown	
	28 - 51	silty sand		10YR 4/6	dark yellowish brown	subsoil
140	0 - 70	sand		10YR 6/6	brownish yellow	disturbed
141	0 - 22	loam		10YR 2/1	black	
	22 - 43	fine sand		10YR 6/6	brownish yellow	subsoil
142	0 - 21	loamy sand		10YR 3/2	very dark grayish brown	
	21 - 52	fine sand		10YR 5/6	yellowish brown	subsoil
143	0 - 69	sand		10YR 6/6	brownish yellow	disturbed
144	0 - 41	silty sand		10YR 4/3	brown	
	41 - 63	silty sand		10YR 4/6	dark yellowish brown	subsoil
145	0 - 40	sand		10YR 3/4	dark yellowish brown	
	40 - 61	sand		10YR 5/6	yellowish brown	subsoil
146	0 - 36	sandy loam		10YR 3/2	very dark grayish brown	
	36 - 57	fine sand		10YR 5/6	yellowish brown	subsoil
147	0 - 24	sandy loam		10YR 3/2	very dark grayish brown	
	24 - 47	fine sand		10YR 5/6	yellowish brown	subsoil
148	0 - 23	silty sand		10YR 4/3	brown	
	23 - 51	silty sand		10YR 5/6	yellowish brown	subsoil
149	0 - 60	sand		10YR 4/6	dark yellowish brown	subsoil
						subsoil
150	0 - 57	sand		10YR 5/6	yellowish brown	subsoil
151	0 - 55	sand		10YR 5/6	yellowish brown	subsoil
152	0 - 29	silty sand		10YR 3/2	very dark grayish brown	
	29 - 49	silty sand		10YR 5/6	yellowish brown	subsoil

## Albany Landfill Expansion Alternative 3 Shovel Test Records

	<u>Depth (cm)</u>	<u>Soil Type</u>	<u>Soil Inclusions</u>	<u>Munsell Color</u>		<u>Termination Reason</u>
153	0 - 34	sandy loam		10YR 3/2	very dark grayish brown	
	34 - 57	fine sand		10YR 4/6	dark yellowish brown	subsoil
154	0 - 31	silty sand		10YR 4/3	brown	
	31 - 56	silty sand		10YR 4/6	dark yellowish brown	subsoil
155	0 - 40	sand		10YR 3/3	dark brown	
	40 - 57	sand		10YR 5/6	yellowish brown	subsoil
156	0 - 40	sand		10YR 3/3	dark brown	
	40 - 54	sand		10YR 5/6	yellowish brown	subsoil
157	0 - 25	sandy loam		10YR 3/2	very dark grayish brown	
	25 - 50	fine sand		10YR 6/6	brownish yellow	subsoil
158	0 - 9	silty sand		10YR 4/3	brown	
	9 - 38	silty sand		10YR 4/6	dark yellowish brown	subsoil/roots
159	0 - 14	sandy loam		10YR 3/2	very dark grayish brown	
	14 - 46	fine sand		10YR 6/6	brownish yellow	subsoil
160	0 - 60	sand		10YR 5/6	yellowish brown	subsoil
161	0 - 15	sandy loam		10YR 3/2	very dark grayish brown	
	15 - 51	fine sand		10YR 5/6	yellowish brown	subsoil
162	0 - 15	silty sand		10YR 4/3	brown	
	15 - 41	silty sand		10YR 5/6	yellowish brown	subsoil/roots
163	0 - 60	sand		10YR 5/6	yellowish brown	subsoil
164	0 - 19	silty sand		10YR 2/2	very dark brown	
	11 - 51	silty sand		10YR 4/6	dark yellowish brown	subsoil
165	0 - 20	sand	humus	10YR 3/2	very dark grayish brown	
	20 - 57	sand		10YR 5/6	yellowish brown	subsoil
166	0 - 10	loamy humus		10YR 2/2	very dark brown	
	10 - 52	fine sand		10YR 5/4	yellowish brown	subsoil
167	0 - 59	sand		10YR 6/6	brownish yellow	subsoil
168	0 - 23	silty sand		10YR 3/2	very dark grayish brown	
	23 - 46	silty sand		10YR 4/6	dark yellowish brown	subsoil
169	0 - 28	sandy loam		10YR 3/2	very dark grayish brown	
	28 - 48	fine sand		10YR 5/6	yellowish brown	subsoil
170	0 - 40	sand		10YR 3/3	dark brown	
	40 - 57	sand		10YR 5/6	yellowish brown	subsoil
171	0 - 41	sand		10YR 3/4	dark yellowish brown	
	41 - 60	sand		10YR 5/6	yellowish brown	subsoil
172	0 - 9	silty sand		10YR 2/2	very dark brown	
	9 - 41	silty sand		10YR 4/6	dark yellowish brown	subsoil
173	0 - 46	sand		10YR 3/4	dark yellowish brown	
	46 - 60	sand		10YR 5/6	yellowish brown	subsoil

### Albany Landfill Expansion Alternative 3 Shovel Test Records

	<u>Depth (cm)</u>	<u>Soil Type</u>	<u>Soil Inclusions</u>	<u>Munsell Color</u>		<u>Termination Reason</u>
174	0 - 31	loamy sand		10YR 4/3	brown	
	31 - 47	fine sand		10YR 5/6	yellowish brown	subsoil
175	0 - 38	silty sand		10YR 4/3	brown	
	38 - 60	silty sand		10YR 5/6	yellowish brown	subsoil
176	0 - 12	silty sand		10YR 4/3	brown	
	12 - 38	silty sand		10YR 5/6	yellowish brown	subsoil
177	0 - 58	sand		10YR 6/6	brownish yellow	subsoil
178	0 - 33	sand		10YR 5/6	yellowish brown	
	33 - 60	sand		10YR 6/6	brownish yellow	subsoil
179	0 - 12	loamy sand		10YR 3/2	very dark grayish brown	
	12 - 52	fine sand		10YR 6/6	brownish yellow	subsoil
180	0 - 15	silty sand		10YR 4/3	brown	
	15 - 51	silty sand		10YR 4/6	dark yellowish brown	subsoil
181	0 - 11	loamy sand		10YR 3/2	very dark grayish brown	
	11 - 52	fine sand		10YR 5/6	yellowish brown	subsoil
182	0 - 14	silty sand		10YR 4/3	brown	
	14 - 41	silty sand		10YR 4/6	dark yellowish brown	subsoil
183	0 - 14	loamy sand		10YR 3/2	very dark grayish brown	
	14 - 45	fine sand		10YR 5/6	yellowish brown	subsoil
184	0 - 17	silty sand		10YR 4/3	brown	
	17 - 61	silty sand		10YR 5/6	yellowish brown	subsoil
185	0 - 14	loamy sand		10YR 3/2	very dark grayish brown	
	14 - 45	fine sand		10YR 5/6	yellowish brown	subsoil
186	-					not excavated
187	0 - 13	silty sand		10YR 3/2	very dark grayish brown	
	13 - 46	silty sand		10YR 4/6	dark yellowish brown	subsoil
188	0 - 8	loamy sand		10YR 3/2	very dark grayish brown	
	8 - 47	fine sand		10YR 5/6	yellowish brown	subsoil
189	0 - 14	loamy sand		10YR 3/2	very dark grayish brown	
	14 - 54	fine sand		10YR 5/6	yellowish brown	subsoil
190	0 - 11	silty sand		10YR 4/3	brown	
	11 - 47	silty sand		10YR 5/6	yellowish brown	subsoil
191	0 - 10	sandy loam		10YR 3/2	very dark grayish brown	
	10 - 51	fine sand		10YR 5/6	yellowish brown	subsoil
192	0 - 14	silty sand		10YR 4/3	brown	
	14 - 43	silty sand		10YR 5/6	yellowish brown	subsoil
193	0 - 10	sandy loam		10YR 3/2	very dark grayish brown	
	10 - 33	fine sand		10YR 4/3	brown	
	23 - 49	fine sand		10YR 5/6	yellowish brown	subsoil

## Albany Landfill Expansion Alternative 3 Shovel Test Records

	<u>Depth (cm)</u>	<u>Soil Type</u>	<u>Soil Inclusions</u>	<u>Munsell Color</u>		<u>Termination Reason</u>
194	0 - 39	sand		10YR 4/3	brown	
	39 - 60	sand		10YR 5/6	yellowish brown	subsoil
195	0 - 36	sandy loam		10YR 3/2	very dark grayish brown	
	36 - 57	loamy sand		10YR 5/6	yellowish brown	subsoil
196	0 - 25	sand		10YR 3/3	dark brown	
	25 - 30	sand	roots	10YR 5/6	yellowish brown	subsoil
197	0 - 60	sand		10YR 5/6	yellowish brown	subsoil
198	0 - 42	sandy loam		10YR 3/2	very dark grayish brown	
	42 - 67	loamy sand		10YR 5/6	yellowish brown	subsoil
199	0 - 57	sand		10YR 5/6	yellowish brown	subsoil
200	0 - 52	loamy sand		10YR 5/6	yellowish brown	subsoil
201	0 - 60	sand		10YR 5/6	yellowish brown	
202	0 - 38	sandy loam		10YR 3/2	very dark grayish brown	
	38 - 62	sandy loam		10YR 5/6	yellowish brown	subsoil
203	0 - 58	sand		10YR 3/4	dark yellowish brown	
	58 - 70	sand		10YR 5/6	yellowish brown	subsoil
204	0 - 20	sandy loam		10YR 3/2	very dark grayish brown	
	20 - 47	sandy silt		10YR 5/6	yellowish brown	subsoil
205	0 - 57	sand		10YR 5/6	yellowish brown	subsoil
206	0 - 62	loam		10YR 2/1	black	roots
207	0 - 60	sand		10YR 5/6	yellowish brown	subsoil
208	0 - 59	sand		10YR 5/6	yellowish brown	subsoil
209	0 - 60	sand		10YR 5/6	yellowish brown	subsoil
210	0 - 24	sandy loam		10YR 3/2	very dark grayish brown	
	24 - 45	loamy sand		10YR 5/6	yellowish brown	subsoil
211	0 - 30	sand		10YR 3/3	dark brown	
	30 - 60	sand		10YR 5/6	yellowish brown	subsoil
212	0 - 26	sandy loam		10YR 3/2	very dark grayish brown	
	26 - 38	loamy sand		10YR 5/6	yellowish brown	subsoil
213	0 - 30	sand		10YR 3/3	dark brown	
	30 - 50	sand		10YR 5/6	yellowish brown	subsoil
214	0 - 39	loamy sand		10YR 3/2	very dark grayish brown	
	39 - 58	loamy sand		10YR 5/6	yellowish brown	subsoil
215	0 - 20	sand		10YR 3/3	dark brown	
	20 - 50	sand		10YR 5/6	yellowish brown	subsoil
216	0 - 20	sand		10YR 3/3	dark brown	
	20 - 57	sand		10YR 5/6	yellowish brown	subsoil
217	0 - 29	sandy loam		10YR 3/2	very dark grayish brown	
	29 - 44	loamy sand		10YR 5/6	yellowish brown	subsoil

**Albany Landfill Expansion Alternative 3  
Shovel Test Records**

	<u>Depth (cm)</u>	<u>Soil Type</u>	<u>Soil Inclusions</u>	<u>Munsell Color</u>		<u>Termination Reason</u>
218	0 - 56	sand		10YR 6/6	brownish yellow	subsoil
219	0 - 43	sandy loam		10YR 3/2	very dark grayish brown	
	43 - 59	loamy sand		10YR 5/6	yellowish brown	subsoil
220	0 - 31	sand		10YR 3/4	dark yellowish brown	roots
221	0 - 38	sandy loam		10YR 2/1	black	
	38 - 56	silty sand		10YR 6/2	light brownish gray	subsoil
222	0 - 25	sandy silt		10YR 3/2	very dark grayish brown	
	25 - 30	sand		10YR 6/6	brownish yellow	
	30 - 40	sand		10YR 2/1	black	subsoil/water
223	0 - 30	sand		10YR 5/6	yellowish brown	roots
224	0 - 50	sand		10YR 5/6	yellowish brown	subsoil
225	0 - 54	sand		10YR 5/6	yellowish brown	subsoil
226	0 - 61	sand		10YR 4/6	dark yellowish brown	subsoil
227	0 - 40	sand	roots	10YR 4/6	dark yellowish brown	
228	0 - 40	sand		10YR 4/4	dark yellowish brown	
	40 - 60	sand		10YR 6/6	brownish yellow	subsoil
229	0 - 16	sandy loam		10YR 3/2	very dark grayish brown	
	16 - 52	loamy sand		10YR 5/6	yellowish brown	subsoil
230	0 - 10	sandy loam		10YR 3/2	very dark grayish brown	
	10 - 56	loamy sand		10YR 5/6	yellowish brown	subsoil
231	0 - 9	sandy loam		10YR 3/2	very dark grayish brown	
	9 - 56	loamy sand		10YR 5/6	yellowish brown	subsoil
232	0 - 19	sandy loam		10YR 3/2	very dark grayish brown	
	19 - 55	loamy sand		10YR 5/6	yellowish brown	subsoil
233	0 - 21	sandy loam		10YR 2/1	black	roots
234	0 - 13	sandy loam		10YR 2/1	black	
	13 - 42	silty sand		10YR 5/6	yellowish brown	subsoil
235	0 - 29	sandy silt		10YR 2/1	black	water
236	0 - 27	sandy silt		10YR 2/1	black	water
237	0 - 32	sandy silt		10YR 2/1	black	water
238	0 - 61	sandy loam		10YR 2/1	black	
	61 - 74	sandy silt		10YR 6/2	light brownish gray	subsoil
239	0 - 60	sandy loam		10YR 2/1	black	
	60 - 78	sandy silt		10YR 6/2	light brownish gray	subsoil
240	0 - 58	sandy loam		10YR 2/1	black	
	58 - 65	sandy silt		10YR 6/2	light brownish gray	subsoil

**Appendix II:  
Artifact Catalog**

**Albany Landfill Expansion Alternative 3  
Artifact Inventory, Shovel Tests**

<u>STP</u>	<u>Feature</u>	<u>Level</u>	<u>Qct #</u>	<u>Bag #</u>	<u>Item</u>	<u>Count</u>	<u>Artifact Description</u>	<u>Weight</u>
23		1		1	1	1	whiteware, hollowware, refined earthenware, rim, undecorated, fragment	6.1 g
178		1		2	1	1	hand tool, punch, iron alloy, complete	110.8 g

**Appendix III:  
OPRHP Review Cover Form**



**PROJECT REVIEW COVER FORM**

Rev. 10-04

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

This information relates to a previously submitted project.

**PROJECT NUMBER** 06 PR 01161

**COUNTY:** ALBANY



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

2. This is a new project.



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

**Project Name** \_\_\_\_\_

**Location** \_\_\_\_\_

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

**City/Town/Village** \_\_\_\_\_

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

**County** \_\_\_\_\_

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

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

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

No  Yes

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

Agency involved	Type of permit/approval	State	Federal
_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>	<input type="checkbox"/>

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

Yes  No

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

Yes  No

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

Yes  No

**CONTACT PERSON FOR PROJECT**

**Name** Abigail McGuirk **Title** Project Director

**Firm/Agency** Hartgen Archeological Associates, Inc.

**Address** 524 Broadway, 2<sup>nd</sup> Floor **City** Albany **STATE** NY **Zip** 12207

**Phone** ( 518 ) 427-0382 **Fax** ( 518 ) 427-0384 **E-Mail** amcguirk@hartgen.info



**DATA RETRIEVAL PLAN**

**ALBANY LANDFILL ALTERNATIVE 3 PRECONTACT SITE  
CITY OF ALBANY, ALBANY COUNTY, NEW YORK**

**HAA 3850-51**

*Submitted to:*

**CLOUGH, HARBOUR & ASSOCIATES LLP  
3 WINNERS CIRCLE  
P.O. BOX 5269  
ALBANY, NEW YORK 12205**

*Prepared by:*

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**MAY 2007**

# DATA RETRIEVAL PLAN

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- Appendix 2: Human Remains Protocol
- Appendix 3: Data Retrieval Plan Costs

## ALBANY LANDFILL EXPANSION ALTERNATIVE 3 PRECONTACT SITE ARCHEOLOGICAL DATA RETRIEVAL PLAN

### INTRODUCTION

This data retrieval plan (DRP) has been developed by Hartgen Archeological Associates, Inc. (HAA, Inc.) for Clough, Harbour & Associates LLP (CHA) to mitigate impacts to the Albany Landfill Expansion Alternative 3 Precontact Site located in the City of Albany (Maps 1 and 2). This site was identified during the Phase I archeological study conducted for the proposed Albany Landfill Expansion (Map 1). This plan was proposed in compliance with Section 106 of the National Historic Preservation Act and conforms to the *Standards for Cultural Resource Investigations and the Curation of Archaeological Collections* (New York Archaeological Council 1994) and endorsed by the New York State Office of Parks, Recreation and Historic Preservation (OPRHP).

The 53-acre (21.5 ha) Alternative 3 project area is located at 525 Rapp Road on the north side of Interstate 90 and adjacent to the east side of the current landfill (Map 2). The City of Albany northern boundary acts as the northern limit. The lands between the city limit and the existing landfill comprise the northern section of the project. The western and southern boundaries follow the eastern contours of the landfill and service roads. This middle section of the project area contains the current waste deposit building and associated utilities. The eastern border parallels the landfill access road 300 feet (91 m) to the east then turns to connect with Rapp Road. The southern section encompasses a section of state land and two private parcels (Map 3).

Proposed developments for the northern and middle sections of the Albany Landfill Expansion Alternative 3 consist of the construction of a new waste deposit facility, storage tanks, access roads, and expansion of the landfill. Developments for the southern private parcels include a retention pond, office complex, and associated utilities and landscaping.

The northern section of the project area was surveyed by HAA, Inc. in October 2006 and was discussed in the report entitled *Phase IB Archeological Field Reconnaissance; Albany Landfill Expansion Alternative 3; City of Albany, Albany County, New York* (HAA, Inc. 2006a). Access to the two private parcels in the southern section was not granted until December 2006. The Albany Landfill Expansion Alternative 3 Precontact Site was identified at the southern end of Alternative 3 within the private parcels encompassing five acres (2 ha) that were surveyed in December 2006 and discussed in a report entitled *Phase IB Archeological Field Reconnaissance; Albany Expansion Alternative 3 Addendum, Private Parcels; City of Albany, Albany County, New York* (Hartgen 2007a). The site is located adjacent to the main house and immediately west of the swimming pool on the M. Simon property at 506 Rapp Road (Map 3). Six of nine shovel tests (Tests 364 and 384 through 391) excavated in the vicinity of the site yielded 41 chert thinning flakes, 54 trim flakes, a scraper, and one fragment of Late Woodland precontact pottery. No other sites were identified within Alternative 3.

### ALBANY PINE BUSH CONTEXT

Hartgen Archeological has undertaken several projects within the Pine Bush environment, three of which are detailed below. The first is a Phase IA literature review and sensitivity assessment of the Albany Pine Bush Preserve. The second and third are Phase IB field reconnaissance and describe the type of small localized precontact site generally found within the Pine Bush and future testing strategies.

The *Report for Archeological Potential, SEQR Parts 1A & 3 for the Albany Pine Bush Preserve Located in the Towns of Guilderland and Colonie and the City of Albany, Albany County, New York* was completed in 1991 (HAA, Inc. 1991). The Pine Bush Preserve and surrounding region has a high precontact sensitivity due to its

natural landforms of wetlands and sand dunes and the identification of precontact sites within and adjacent to the preserve boundaries. The historic sensitivity is also high as the 17<sup>th</sup>-century Kings Road traversed the area. Other roads leading to small private farms were also identified though the soils and environment of the pine bush do not easily support agriculture.

In 1996 HAA, Inc. completed the *Archeological Investigations of the Pepsi-Cola Bottling Plant in the Town of Colonie, Albany County, New York* (HAA, Inc. 1996). One precontact site, the Pepsi Site, was identified. Slightly less than 30 square meters (320 ft<sup>2</sup>) in size, the site produced mainly shatter and trim chert flakes and scattered charcoal. Two-hundred-fifty-six pieces of debitage were collected with 165 of them trim flakes. Two utilized flakes, one unifacial tool and one bifacial core were also recovered. The nature of the artifacts and the small size of the site in general suggest an isolated occupation probably a single night's camp or single episode of tool making. The data recovered represents a single unique event creating a "signature pattern" of what a lithic reduction workshop should look like (HAA, Inc 1996:33).

HAA, Inc. also conducted a Phase IB field reconnaissance entitled *Albany Pine Bush Preserve Restoration, Iarossi Property* in 2006 that identified one historic site, the Iarossi house site. No precontact sites were encountered. The IB survey adopted a five meter (15 ft) testing interval to search for sites along sensitive landforms. While this smaller interval would be better able to locate small sites that would be missed using the standard interval of 15 meters (50 ft), it allowed only a small sampling of the project area. Future testing may include surveying at a 7.5 meter (25 ft) interval.

## RESEARCH QUESTIONS

The following research questions were designed based upon the results of the Phase IB field reconnaissance and the review of other precontact sites located adjacent to and within the Albany Pine Bush.

- Are there diagnostic artifacts other than the single piece of precontact pottery that can indicate a specific Native American group? If decorated pottery is recovered, it will be compared with Mohican typologies from Mohawk Iroquois sites and Late Woodland Hudson River sites such as Goldkrest.
- How does this site compare with the Pepsi Cola Bottling Plant Site to the north?
- If there are features, does the archeological record support recurring occupation?
- What is the date of occupation? Does the site contain features that may yield charred organics for radiocarbon dating?
- Was lithic material brought to the site or were supplies cached there? What is the source of the lithic material?
- As mainly thinning and trim flakes signifying tool modification and maintenance were retrieved during the Phase IB, is there evidence of other stages of lithic manufacturing?
- Is there evidence of contact and trade between Native Americans and Colonists in the form of beads, pipes, metal, or other trade goods?
- If features are present with food remains, what evidence is there about foods that may have been available exclusively in the Pine Bush?

## ARCHEOLOGICAL FIELDWORK

### Introduction

This section of the DRP includes a description of the fieldwork tasks that will be implemented during the data retrieval investigation of the Albany Landfill Alternative 3 Precontact Site. The site extends roughly eight by ten meters (25 by 30 ft), approximately 80 square meters. Nine shovel tests were excavated during the Phase IB

meters in units during the Phase II/III site evaluation and data retrieval will cover 50 percent of the site. The units will be placed systematically within the area of lithic debitage concentration near Phase IB Test 364 and throughout the rest of the site. Units excavated outside the area of debitage concentration will be used to identify deposits and features associated with activities other than flint knapping. A soil sample from each unit will be passed through fine mesh screen (at least 1/8in) to search for evidence of soft hammer pressure flaking and trade beads.

### **Field Methods**

#### ***Hand Excavations***

Hand excavations will consist of screened shovel tests and unit excavations. Unit excavations, typically measuring 1 x 2 meters (3.3 by 6.6 ft), will be placed to explore features, to obtain a controlled sample of artifacts from selected deposits, and to reveal detailed information about soil stratigraphy. Soils will be screened through 1/8-inch (3 mm) mesh.

#### ***Mapping and Surveying***

All unit excavations will be placed on a four-meter (13 ft) grid established across the site. Scaled plans and profiles will be drawn throughout the progress of the fieldwork. The locations of all features and data points will be mapped on the grid.

#### ***General Documentation of the Excavations***

Documentation of the excavations will include 35-mm color prints and digital images. Video footage may be included as well. General views of the site, the archeologists at work, and the various phases of the investigation including feature and unit excavations along with mapping will be recorded for inclusion in the final report and in information for dissemination to the general public. Photographs of formal excavations will include sign boards labeled with the project name, provenience, and date, and a scale stick. Scale drawings of profiles and plans will be recorded.

#### ***Site Security and Safety***

In order to protect the client and HAA, Inc. from undue liability risk from open excavation areas, arrangements will be made to secure the excavation areas both during and after work hours. The perimeter of the site, roughly 130 feet (40 m), will be barricaded with orange plastic fencing supported on steel posts to be provided by the client.

#### ***Guests and Visitors***

The work area will be restricted. Unescorted guests or visitors will not be permitted to enter the work area. However, guest and visitors will be permitted when invited by HAA, Inc. as approved by the client.

#### ***Public Comment***

All requests for information from the media will be referred to Clough, Harbour & Associates LLP for coordination and/or comment.

#### ***Health and Safety Plan***

HAA, Inc. will follow Occupational Safety and Health Administration (OSHA) requirements during the data retrieval project.

### ***Treatment of Human Remains***

In the unlikely event that human remains are identified during the data retrieval fieldwork, HAA, Inc. will stop work in the vicinity of the find and follow the protocols presented in Appendix 2.

## **LABORATORY METHODS AND ANALYTICAL STUDIES**

All recovered artifacts will be processed according to federal and state recognized curation standards (Department of Interior Guidelines 1983 and NYAC Guidelines 1994). Objects will be assessed as to material type and stability and will be washed or dry brushed accordingly. Items requiring conservation will be assessed on a case-by-case basis. Artifacts will be labeled when necessary such as for photography, cross-mending analysis, or display.

### **Specialized Analyses**

Any floral and faunal analysis as well as radiocarbon dating will be performed by qualified sub-consultants. Floral remains will be analyzed by David Perry, archeobotanist, and faunal remains will be analyzed by Marie-Lorraine Pipes. Beta Analytic will conduct the radiocarbon dating.

### **Curating the Collection**

HAA, Inc. will work with Clough, Harbour & Associates LLP to arrange for the collection to be transferred to a repository acceptable to OPRHP. The cost for curating the collection outlined in this data retrieval plan includes fees for transporting the collection and arranging for the repository. The current repository fee at the New York State Museum is \$200/ft<sup>3</sup> (one archive box). The cultural material assemblage from the data recovery study will make an important contribution to the study of Native American settlement in the Albany Pine Bush. Therefore, the collection should be placed in a suitable repository in the Albany area such as the New York State Museum, where it will be available for archeologists and other scholars to use in comparative analyses and studies.

## **PRODUCTS**

### **Schedule and End-of-Fieldwork Letter**

The archeological investigation detailed in this plan will require up to three weeks of fieldwork. Fieldwork for the fall can be scheduled within four weeks of authorization. A work schedule for the site analysis and report will be developed at the conclusion of excavation. NYSOPRHP will be notified within one week of the completion of the data recovery fieldwork by an end-of-fieldwork letter.

### **Data Retrieval Report**

The data retrieval report task in the attached cost estimate (Appendix 3) is divided into the preparation of report components and report preparation. Preparation of report components includes reviewing field notes and generating preliminary descriptions and interpretations of the field results. Photographs will be inventoried and organized to make a preliminary selection of images to illustrate the data retrieval report. Scaled field drawings of profiles and plans will be selected for CADD drafting.

The research design outlined in this data retrieval plan will result in a final report detailing the results of the data recovery excavations of the Albany Landfill Alternative 3 Precontact Site. The report text will outline the cultural context of the site, explain the analyses, and describe the excavations in detail. A discussion of the surrounding environment as well as its relationship to other Pine Bush precontact sites will be included. If recovered, floral and faunal remains will provide information about the environment and potential food resources available to Late Woodland visitors to the Pine Bush. Artifact analysis will be conducted by HAA, Inc. staff. All of these elements will be combined in a unified presentation containing appropriate maps, photographs, tables, and figures.

Final copies of the report with full-color photographs and maps will be returned within 20 days of receiving client comments on the draft. To allow for wider distribution of the report at a reduced cost, a Portable Document Format (PDF) version of the report will be produced and burned onto CD-ROMs. PDF files can be viewed and printed with the freely available program *Adobe Acrobat*. Six copies of the report with original color photographs will be made for the client and six will be forwarded to OPRHP.

### **Public Information Plan**

The New York State Office of Parks, Recreation and Historic Preservation (OPRHP) requires the development of a public information plan to assure the dissemination of the results of the excavations and analysis (NYAC 1994). The public program may include, among other elements a popular report, manuscript, and MS Power Point presentation for various historical associations and other local groups such as the Albany Pine Bush Preserve Commission and Friends of the Pine Bush. Other alternatives include an interpretive exhibit at the Albany Pine Bush Preserve Discovery Center on New Karner Road. A final public information plan will be devised in consultation with OPRHP. A presentation will also be made to the New York State Archaeological Association (NYSAA).

### **PROVISOS**

HAA, Inc. will complete the work outlined in this data recovery plan for the cost presented in Appendix I with the following provisos:

- Each feature will be bisected and half will be excavated completely to document the manner of construction and screened for artifacts. From the remaining half, up to five gallons of soil will be collected as a soil sample to be floated in the wet lab.
- The total volume of artifacts to be processed for the archeological study will be restricted to 15 ft<sup>3</sup>. If the collection exceeds this volume, the remainder will be processed on a time and materials basis.

### **COSTS**

A detailed breakout of costs associated with the data retrieval for the Albany Landfill Alternative 3 Precontact Site is presented in Appendix 3. An invoice will be submitted at the conclusion of the fieldwork. Monthly progress invoices will be submitted during the course of the analysis and report writing. This cost is valid for 60 days.

**BIBLIOGRAPHY**

Crabtree, Don E.

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Department of the Interior

- 1983 *Archeology and Historic Preservation: Secretary of the Interior's Standards and Guidelines*. In *Introduction to Federal Projects and Historic Preservation Law. Participants Desk Reference*. The Advisory Council on Historic Preservation and the University of Nevada.

Funk, Robert F.

- 1976 *Recent Contributions to Hudson Valley Prehistory*. New York State Museum and Science Service, Albany.

Hartgen Archeological Associates, Inc.

- 1991 *Report of for Archeological Potential SEQR Parts 1A &3; The Albany Pine Bush Preserve Located in the Towns of Guilderland and Colonie and the City of Albany, Albany County, New York*. On file at OPRHP, Waterford, NY. n.p.
- 1996 *Archeological Investigations at the Pepsi-Cola Bottling Plant in the Town of Colonie, Albany County, New York; Including Phase 1B Field Reconnaissance & Phase 2 Site Assessment and Resource Recovery Studies of a Lithic Reduction Station*. On file at OPRHP, Waterford, NY. n.p.
- 2006a *Phase 1B Archeological Field Reconnaissance; Albany Landfill Expansion Alternative 3; City of Albany, Albany County, New York*. On file at OPRHP, Waterford, NY. n.p.
- 2006b *Phase 1B Archeological Field Reconnaissance; Albany Pine Bush Preserve Restoration. Jarossi Property; Town of Guilderland and City of Albany, Albany County, New York*. On file at OPRHP, Waterford, NY. n.p
- 2007a *Albany Landfill Expansion Alternative 3 Addendum, Private Parcels; City of Albany, Albany County, New York*. On file at OPRHP, Waterford, NY. n.p.
- 2007b *Phase II Site Evaluation; Albany Landfill Expansion Alternative 4; City of Albany, Albany County, New York*. On file at OPRHP, Waterford, NY. n.p

New York Archaeological Council

- 1994 *Standards for Cultural Resource Investigations and the Curation of Archaeological Collections in New York State*. The New York Archaeological Council.

Ritchie, William A.

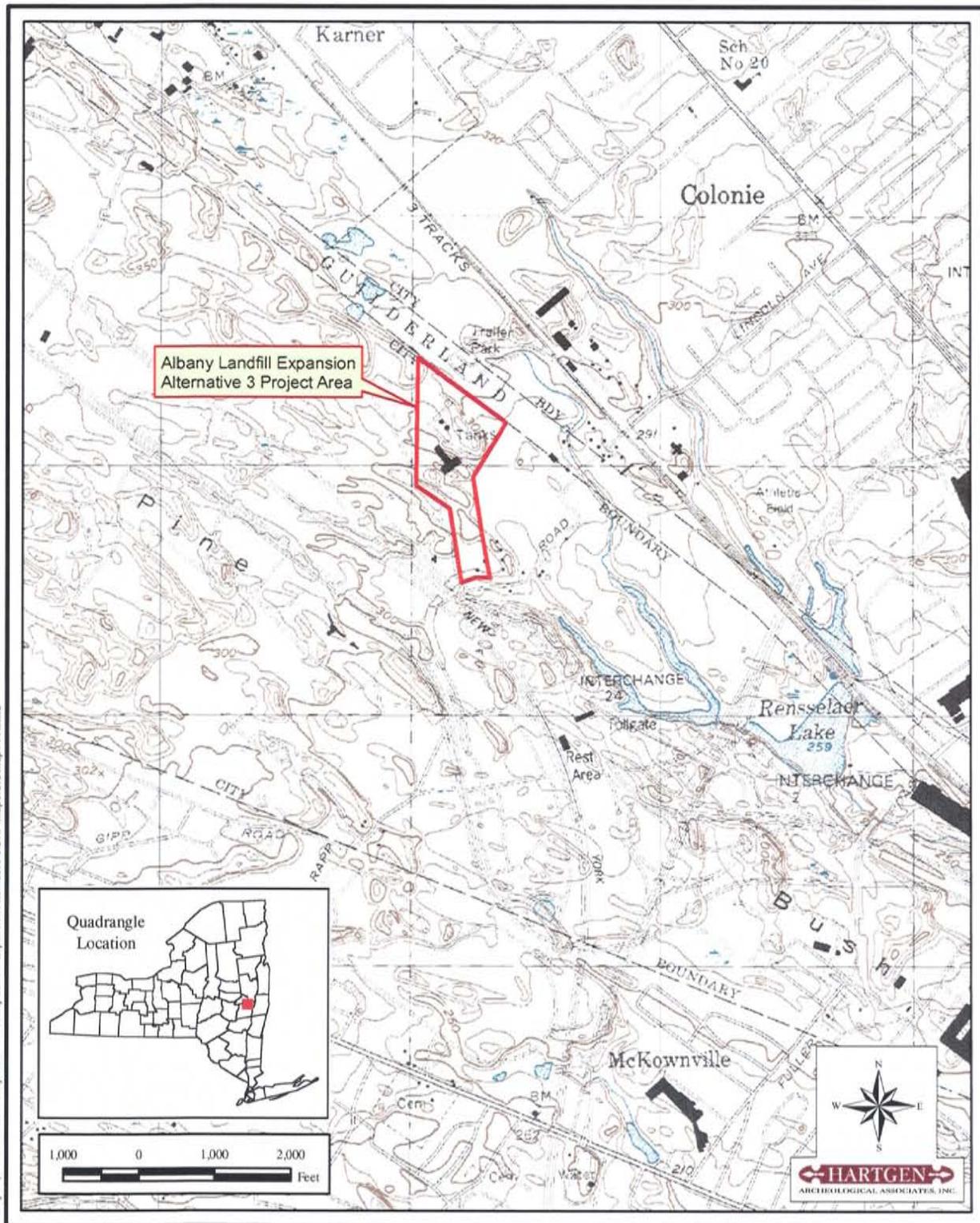
- 1969 *The Archaeology of New York State*. Natural History Press, Garden City, New York.

Semenov, S.A.

- 1970 *Prehistoric Technology*. Adams and Dart, Bath, England.

# Maps

*Data Retrieval Plan, Albany Landfill Alternative 3 Precontact Site, Albany, New York*



May 14, 2007 R:\Active Projects\3550 Albany Landfill Expansion Alternative 3\DRP\Maps\GIS\Map1-PA.mxd

**Map 1**

1994 USGS Albany, New York, 7.5' Topographic Quadrangle



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Map 2

2006 HAA, Inc. and Clough Harbour & Associates, LLP, Overview of Project Area and Alternative 3 Private Parcel Addendum Area



May 14, 2007 R:\Active Projects\3850 Albany Landfill Expansion Alternative 3\DRP\Map3\GIS\Map3-STPs.mxd

Map 3

2006 HAA, Inc. and Clough Harbour & Associates, LLP, *Alternative 3 Private Parcel Addendum Area Map with Shovel Test and Photograph Angle Locations*

**Appendix 1: Statement of Qualifications, Hartgen  
Archeological Associates, Inc.**

# *Hartgen Archeological Associates, Inc.*

CULTURAL RESOURCE SPECIALISTS  
1744 WASHINGTON AVENUE EXT, RENSSELAER 12144  
PHONE (518) 283-0534 FAX (518) 283-6276

**KAREN S. HARTGEN, RPA**

**QUALIFICATIONS:** 36 CFR 61 Qualified Archeologist

**EDUCATION:** State University of New York at Albany  
Master of Arts, Anthropology, December 1988

State University of New York at Albany  
Bachelor of Arts, Anthropology, January 1970

**SPECIAL TRAINING:** **Historic Preservation Law Course**  
Section 106 training course jointly sponsored by the Advisory Council on Historic Preservation and the University of Nevada, Reno.

**EXPERIENCE:**

*March 1973 to Present* **President and Principal Investigator**  
**Hartgen Archeological Associates, Inc.**

I have directed the cultural resource management firm since 1973, completing over 2500 cultural resource projects in New York and New England. The firm currently has a full time staff of 25 and a trained seasonal staff of 40. We provide services in historical documentation, site file searches, field reconnaissance, archeological survey and excavation, artifact preservation, collection management, cartography, GIS, architectural history, historic structure survey, National Register nominations, Environmental Impact Evaluations as mandated under NEPA, NHPA, SHPA and SEQR. Archeological surveys include initial surveys to locate sites (Phase IA and IB), development of research designs and field methodologies to identify sites (Phase II), and subsequently data retrieval as mitigating measures (Phase III).

*June 1974 to 1978* **New York State Museum and Science Service**  
**State Education Department, Albany**  
**Assistant Highway Salvage Coordinator**

Administration and coordination of the Highway Salvage Archeology Program for New York State during field seasons. Intermediary between various State agencies and cooperating institutions in the process of project evaluation and impact mitigation. Also prepared detailed financial reports for Federal reimbursement.

**PROFESSIONAL AFFILIATIONS:**

Registered Professional Archaeologist (RPA)  
President, American Cultural Resources Association  
Adjunct Research Associate, University at Albany, SUNY  
Lecturer, Rensselaer Polytechnic Institute  
Board Member, Albany Institute of History and Art  
Advisory Board, Iroquois Indian Museum

Archaeological Conservancy  
Archaeological Institute of America  
Council for Northeast Historic Archaeology  
Eastern States Archeological Federation  
Historic Albany Foundation  
The Holland Society of New York  
Hudson-Mohawk Industrial Gateway  
Maine Archacological Society  
Maryland Archeological Society  
The Native American Institute at Columbia-Green Community College  
New Hampshire Archaeological Society  
New Hampshire Preservation Alliance  
New York Archaeological Council  
Northeastern Anthropological Association  
Preservation League of New York State  
Society of American Archacology  
Society of Historic Archeology  
Scenic Hudson  
Society for Industrial Archeology  
Vermont Archaeological Society  
Women's Transportation Seminar

Former President, New York State Archaeological Association (NYSAA)  
Former President, New York Archaeological Council (NYAC)

**PUBLICATIONS:**

- 1997      Preserving Albany's Past: The Battle over the Broadway-Maiden Lane  
Archeological Site. *De Halve Maen*, The Holland Society of New York.
- 2003      Archaeology, Historic Preservation, and Albany's Past: The Battle over the  
DASNY Project. In *People, Places and Materials Things: Historical  
Archaeology of Albany, New York*. New York State Museum Bulletin 499. The  
University of the State of New York. Albany, New York.

# **Hartgen Archeological Associates, Inc.**

CULTURAL RESOURCE SPECIALISTS  
524 BROADWAY, ALBANY, NEW YORK 12207  
PHONE (518) 427-0382 FAX (518) 427-0384

## **ABIGAIL L. MCGUIRK**

### **EDUCATION:**

**1999-2003**

**Johns Hopkins University**  
Major: Near Eastern Studies; Minor: Psychology

**Summer 2000**

**Adirondack Community College**  
Archeological Field School: Focus-Fort William Henry

### **EXPERIENCE:**

**October 2004 to Present**

**Project Director**  
**Hartgen Archeological Associates, Inc. (HAA, Inc.)**

I have supervised excavation and authored reports for Phase IA literature review and Phase IB field reconnaissance projects throughout New York State. My duties include field excavation, site interpretation, and photography.

**February 2004-October 2004**

**Archeological Technician II**  
**Black Drake Consulting**

I surveyed, diagrammed, and established the site grids. In addition to my excavations, I was also responsible for maintaining site integrity and dispersing information to the public.

**Summer 2002**

**Science Service Technician**  
**New York State Museum**

As a member of the Albany Almshouse crew, I exhumed human remains from an historic 19<sup>th</sup> century cemetery. I mapped and graphed intricate burial configurations and identified and cleaned bones and related artifacts.

**1999-2003**

**General Collections Preservationist**  
**MSE Library; Johns Hopkins University**

As an archivist, I restored, re-sewed, and rebound damaged books. I was responsible for deacidifying contaminated paper documents and encapsulating maps and other large paper formats.

### **FOREIGN EXCAVATION:**

**January 2001**

**Temple of Mut at Karnak; Luxor, Egypt**

As a Woodrow Wilson Fellow, I accompanied the Hopkins archeological team, excavated the lands surrounding the sacred lake of the temple, and identified and coded pottery fragments.

CERTIFIED DBE/WBE IN NEW YORK, NEW JERSEY, MAINE, NEW HAMPSHIRE, VERMONT,  
MASSACHUSETTS, CONNECTICUT, PENNSYLVANIA, MARYLAND, DELAWARE  
AND NEW YORK CITY AGENCIES

## **Appendix 2: Human Remains Protocol**

# *Hartgen Archeological Associates, Inc.*

## *Cultural Resource Specialists*

1744 WASHINGTON AVENUE EXTENSION, RENSSELAER, NEW YORK 12144

### **State Historic Preservation Office/ New York State Office of Parks, Recreation and Historic Preservation Human Remains Discovery Protocol**

In the event that human remains are encountered during construction or archaeological investigations, the State Historic Preservation Office (SHPO) requires that the following protocol is implemented:

- At all times human remains must be treated with the utmost dignity and respect. Should human remains be encountered work in the general area of the discovery will stop immediately and the location will be immediately secured and protected from damage and disturbance.
- Human remains or associated artifacts will be left in place and not disturbed. No skeletal remains or materials associated with the remains will be collected or removed until appropriate consultation has taken place and a plan of action has been developed.
- The county coroner and local law enforcement as well as the SHPO and the involved agency will be notified immediately. The coroner and local law enforcement will make the official ruling on the nature of the remains, being either forensic or archeological. If the remains are archeological in nature, a bioarchaeologist will confirm the identification as human.
- If human remains are determined to be Native American, the remains will be left in place and protected from further disturbance until a plan for their protection or removal can be generated. The involved agency will consult SHPO and appropriate Native American groups to determine a plan of action that is consistent with the Native American Graves Protection and Repatriation Act (NAGPRA) guidance.
- If human remains are determined to be Euro-American, the remains will be left in place and protected from further disturbance until a plan for their avoidance or removal can be generated. Consultation with the SHPO and other appropriate parties will be required to determine a plan of action.

CERTIFIED DBE/WBE IN NEW YORK, NEW JERSEY, MAINE, NEW HAMPSHIRE, VERMONT,  
MASSACHUSETTS, CONNECTICUT, PENNSYLVANIA, MARYLAND, DELAWARE  
AND NEW YORK CITY AGENCIES

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## New York State Office of Parks, Recreation and Historic Preservation

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David A. Paterson  
Governor

Carol Ash  
Commissioner

23 September 2008

Mr. Christopher Einstein  
Clough Harbour & Associates, LLP  
3 Winners Circle  
P.O. Box 5269  
Albany, NY 12205

Re: CORPS, DEC  
Albany Landfill Expansion Project  
City of Albany, Albany County  
06PR01161

Dear Mr. Einstein:

The State Historic Preservation Office (SHPO) has reviewed the information submitted for this project (letter from Corey McQuinn, Hartgen Archeological Associates, Inc., dated 22 September 2008). Our review has been in accordance with Section 106 of the National Historic Preservation Act and relevant implementing regulations.

The above-referenced submission includes proposed site protection zones for the Albany Landfill Alternative 3 Precontact Site (A00140.004700). Although this site has not been fully evaluated regarding its eligibility for listing on the National Register of Historic Places, SHPO has previously recommended that the site may be eligible and that it should be protected or subjected to a Phase II investigation.

The proposed protection zones consist of 50- and 100-foot radius circles centered on the original shovel test (#364) by which the site was first identified. SHPO recommends that the 100-foot radius protection zone should be employed for this site. This recommendation is based on the finding that the actual site limits were not established during the Phase I investigation. Based on the 50-foot-interval Phase I shovel test grid, the site boundary may be less than 50 feet from the apparent center, but how much less is unknown. Furthermore, given that the 50-foot-interval Phase I shovel test grid represents only a very small sample of the site's vicinity, it is possible that portions of the site extend farther than 50 feet from its point of initial discovery. Therefore, the 50-foot radius protection zone might provide little or no actual protective buffer.

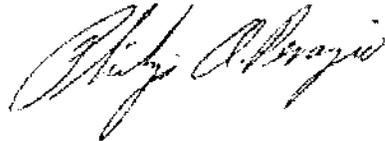
As an alternative to the 100-foot-radius protection area, SHPO recommends that additional testing could be conducted to more precisely determine the site's actual

boundary. Based on this additional information, the appropriateness of a 50-foot-radius protection area could be given further consideration.

Given that this project falls under federal jurisdiction, any treatment of this site may be subject to Native American consultation, at the discretion of the federal agency.

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

Sincerely,



Philip A. Perazio, OPRHP  
Phone: 518-237-8643 x3276; FAX: 518-233-9049  
Email: [Philip.Perazio@oprhp.state.ny.us](mailto:Philip.Perazio@oprhp.state.ny.us)

Cc: Corey McQuinn, HAA  
Heidi Firstencel, ACOE

PHILIP A. PERAZIO  
518-237-8643 x3276  
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## New York State Office of Parks, Recreation and Historic Preservation

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David A. Paterson  
Governor

Carol Ash  
Commissioner

2 October 2008

Mr. Christopher Einstein  
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P.O. Box 5269  
Albany, NY 12205

Re: CORPS, DEC  
Albany Landfill Expansion Project  
City of Albany, Albany County  
06PR01161

Dear Mr. Einstein:

The State Historic Preservation Office (SHPO) has reviewed the information submitted for this project (Email from Angelo Marcuccio, Department of Environmental Conservation, dated 2 October 2008, including map showing 100-foot buffer surrounding the Albany Landfill Alternative 3 Precontact Site (A00140.004700). Our review has been in accordance with Section 106 of the National Historic Preservation Act and relevant implementing regulations.

Based on the information provided, SHPO recommends that the planned project will have No Adverse Effect on historic properties listed or eligible for listing on the National Register of Historic Places provided that the following conditions are met. The 100-foot protective buffer shown in the above-referenced email shall be maintained both during and subsequent to construction. The buffer area will be delineated with orange safety fence during construction. Signs indicating "Sensitive Area, No Entry" will be placed at 25-foot intervals along the fence. The protected area will be marked off on all relevant construction plans. Contractors will be instructed that there is to be no entry into this area. Finally, the protected area will be maintained in perpetuity, with no ground disturbance of any kind to be undertaken within its limits without prior consultation with SHPO.

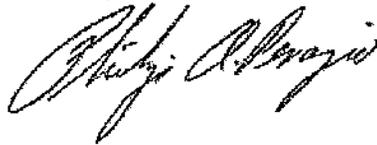
These comments are those of the Field Services Bureau and relate only to Historic/Cultural resources. They do not include potential environmental impacts to New York State Parkland that may be involved in or near your project. Such impacts must be considered as part of the environmental review of the project pursuant to the State

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Environmental Quality Review Act (New York Environmental Conservation Law Article 8) and its implementing regulations (6 NYCRR Part 617).

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

Sincerely,

A handwritten signature in black ink, appearing to read "Philip A. Perazio". The signature is written in a cursive, flowing style.

Philip A. Perazio, OPRHP

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Cc: Angelo Marcuccio, DEC  
Corey McQuinn, HAA  
Heidi Firstencel, ACOE