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Phase 1B Archeological Survey
Fairview Park, Staten Island, New York

Prepared for
CP Perma Paving Construction
Staten Island, New York
and

New York City Department of Parks and Recreation
Flushing, New York

by
John Milner Associates, Inc
Croton-on-Hudson, New York

April 2005

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**PHASE 1B ARCHEOLOGICAL SURVEY
FAIRVIEW PARK, STATEN ISLAND, NEW YORK**

Prepared for

CP Perma Paving Construction
81 Industrial Loop
Staten Island, New York 10309

and

New York City Department Of Parks and Recreation
Olmstead Center, Flushing Meadows Corona Park
Flushing, New York 11368

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April 2005

MANAGEMENT SUMMARY

John Milner Associates, Inc. (JMA) completed a Phase 1B archeological survey for CP Perma-Pave Construction (the Contractor), on behalf of the New York City Department of Parks and Recreation (DPR), in connection with the proposed development of Fairview Park located in Staten Island (Richmond County), New York. DPR intends to construct athletic fields and recreational facilities (Fairview Park) within a 13-acre parcel of idle and vacant land (the Project Area). Based on previous archeological work conducted in the vicinity, the Project Area was considered sensitive for both historic-period and prehistoric (Native American) archeological sites. The proposed layout of athletic and recreational facilities at Fairview Park was designed to avoid or minimize impacts to the Kreischer Estate archeological site, located immediately west of the Project Area.

JMA excavated 221 shovel test units (STUs) within the 13-acre Fairview Park Project Area. The Phase 1B archeological survey did not identify any previously unrecorded, significant archeological features or artifact deposits associated with the Kreischer Estate located within the limits of clearing associated with the proposed athletic facilities. No prehistoric artifacts were recovered from the Project Area. In the opinion of JMA, construction of the proposed Fairview Park will not result in any direct effects to previously unrecorded archeological sites or features.

Site preparation and clearing work conducted by the Contractor on behalf of DPR prior to the Phase 1B survey resulted in disturbance to two archeological features associated with the Kreischer Estate site. These disturbances included impacts to the northern perimeter of a barn foundation that appeared to have suffered some damage associated with the operation of machinery along the limits of clearing in this area. Clearing-related work also resulted in disturbance to the eastern perimeter of a partially filled-in pond. JMA conducted limited archeological work around the filled-in pond located southeast of the Kreischer Estate barn foundations. This work was conducted to document the extent of disturbance that occurred and recover the artifacts exposed during the recent clearing work. A total of 220 artifacts were recovered from the vicinity of the pond including ceramic sherds and a large assemblage of glass bottle fragments. These materials were likely deposited in the pond during the 1900s or 1910s, around the time of the abandonment of the estate. It seems likely that the assemblage recovered from the pond and immediate vicinity is associated with the household of the tenant employee(s) who were responsible for the maintenance of the property.

In the opinion of JMA, the Kreischer Estate site is an appropriate and excellent candidate for public interpretation. The site is historically significant in local terms for its association with the Kreischer Brickworks, establishment of Kreischerville (Charleston), and other nineteenth-century public works sponsored by or associated with the Kreischer family (e.g., the Staten Island Railroad, local churches). The site is also significant as an intact archeological example of a nineteenth-century elite residence and associated structures. The interpretation of the site could be accomplished via a program of signage and graphic displays, artifact displays, and/or interpretive textual materials. The preparation of these interpretative materials should also include the formal nomination of the site to the National Register of Historic Places. Public access and exposure to the ruins simultaneously presents opportunities for vandalism and looting of the site. As the steward of this important archeological site, it is incumbent on DPR to present the historical significance of the site to the public and simultaneously deter acts of vandalism and inappropriate collection of artifacts.

TABLE OF CONTENTS

List of Figures

List of Plates

1.0	INTRODUCTION	1
1.1	Purpose and Goals of the Investigation	1
1.2	Project Location and Description	1
2.0	RESEARCH DESIGN	2
2.1	Previous Archeological Research	2
2.1.1	<i>The Balthasar Kreischer Estate Site</i>	2
2.1.2	<i>The Fairview Prehistoric Site</i>	3
2.2	Archeological Fieldwork Methods	4
2.3	Potential Archeological Resources	5
3.0.	ARCHEOLOGICAL SURVEY RESULTS	6
3.1	Existing Conditions	6
3.2	Phase 1B Archeological Survey	7
3.3	Kreischer Estate Pond	9
4.0.	CONCLUSIONS AND RECOMMENDATIONS	13
4.1	Summary and Conclusions	13
4.2	Recommendations	14
5.0	REFERENCES CITED	15

Appendix A: OPRHP Archeological Site Inventory Forms

Appendix B: Shovel Test Unit Stratigraphic Records and Artifact Inventory

Appendix C: Kreischer Estate Surface Collection Artifact Inventory

LIST OF FIGURES

- Figure 1. Detail of the *Arthur Kill, N.Y.* 7.5-minute USGS topographic quadrangle showing the location of the proposed Fairview Park.
- Figure 2. Recent aerial photograph showing proposed limits of clearing, proposed athletic fields, and other facilities within the Fairview Park Project Area.
- Figure 3. Plan of test units and archeological features at the Kreischer Estate Site and Fairview Prehistoric Site (modified from JMA 2000:Figure 17).
- Figure 4. Plan of proposed fields and facilities within Fairview Park showing the locations of JMA Shovel Test Units (STUs) and observed archeological features.
- Figure 5. Field drawing depicting intact (northwestern) and disturbed (southeastern) perimeters of the Kreischer Estate pond.

LIST OF PLATES

- Plate 1. Existing conditions within the Fairview Park Project Area, from the entrance and parking area at Englewood Avenue; view to the south.
- Plate 2. Existing conditions within the northwestern portion of the Project Area, from the vicinity of STU E4; view to the southwest.
- Plate 3. Existing conditions within the southwestern portion of the Project Area, from the vicinity of STU M8; view to the west.
- Plate 4. Existing conditions within the southeastern portion of the Project Area, from the vicinity of STU O9; view to the east.
- Plate 5. Cleared route of proposed path that runs through the Kreischer Estate site (JMA Transect S); view to the north-northwest.
- Plate 6. Cleared route of proposed path along the eastern perimeter of the Project Area (JMA Transect R); view to the northwest.
- Plate 7. Example of ground disturbance associated with clearing-related activities and machine treads; view to the southwest.
- Plate 8. Limits of clearing in the vicinity of the Kreischer Estate barn-foundation complex (within the tree-line); view to the south.
- Plate 9. Detail of disturbed Kreischer Estate barn foundation (JMA 2000 Feature A8); view to the west.
- Plate 10. Brick rubble associated with barn foundation disturbed during clearing activities; view to the south.
- Plate 11. Kreischer Estate pond feature (JMA 2000 Feature A7) disturbed during clearing activities; view to the west.
- Plate 12. Historic glass and ceramic vessel fragments uncovered within machine-tread ruts along the eastern perimeter of the Kreischer Estate pond; view to the west.
- Plate 13. Existing conditions along the northern perimeter of the Project Area (JMA Transect A); view to the east.
- Plate 14. Previously disturbed area in the northeastern portion of the Project Area; view to the southeast.
- Plate 15. Stripped area located in the northeast portion of the Project Area; view to the west-southwest.

- Plate 16. Stripped area located in the northeast portion of the Project Area; view to the northeast.
- Plate 17. Mound of scrap metal and automobile parts consolidated during clearing activities in the northern portion of the Project Area; view to the north-northwest.
- Plate 18. Cut-away embankments define the former entrance and driveway to the Kreischer Estate; view to the north.
- Plate 19. Vegetation breaks define the former route of the driveway in the vicinity of the Kreischer Estate barn-foundations area; view to the northeast.
- Plate 20. Vegetation breaks define the former route of the driveway in the vicinity of the Kreischer Estate mansion foundations; view to the southwest.
- Plate 21. Base of a mold-blown bottle embossed with an "Iron Cross" recovered from the ground surface north of the Kreischer Estate site.
- Plate 22. Cut-stone perimeter along the northwestern perimeter of the Kreischer Estate pond after cleaning excavation work by JMA; view to the north.
- Plate 23. Semi-porcelain sherds with gilt rims and decal decorations recovered from the Kreischer Estate pond.
- Plate 24. Embossed bottle fragments from local (Staten Island) brewers and bottlers recovered from the Kreischer Estate pond.

1.0 INTRODUCTION

1.1 PURPOSE AND GOALS OF THE INVESTIGATION

John Milner Associates, Inc. (JMA) completed a Phase 1B archeological survey for CP Perma-Pave Construction (the Contractor), on behalf of the New York City Department of Parks and Recreation (DPR), in connection with the proposed development of Fairview Park located in Staten Island (Richmond County), New York. All work conducted by JMA was done in accordance with both the *City Environmental Quality Review Technical Manual*, the *Landmarks Preservation Commission Guidelines for Archaeological Work in New York City* (April 12, 2002)(the *Guidelines*) and, when appropriate, the New York Archaeological Council's *Standards for Cultural Resource Investigations and the Curation of Archaeological Collections* recommended for use by the New York State Office of Parks, Recreation, and Historic Preservation (OPRHP). JMA has assumed the LPC will be the primary review authority for the work reported on here.

The purpose of field-testing as defined in the *Guidelines* is to "determine whether the site *actually* contains significant archeological resources, as opposed to whether such resources may *potentially* exist on the site." The field investigation component of the Phase 1B survey included a site inspection and subsurface testing of areas that will be affected by the proposed construction. All archeological work was conducted under the supervision of a Registered Professional Archaeologist (RPA).

1.2 PROJECT LOCATION AND DESCRIPTION

DPR intends to construct athletic fields and recreational facilities (Fairview Park) within a 13-acre parcel of idle and vacant land (the Project Area) located in western Staten Island, New York (Figure 1). The Project Area occupies the northwestern corner of the much-larger vacant parcel bounded by Arthur Kill Road (west), Englewood Avenue (north), and West Veterans Road (south and east). The proposed entrance to the park will be located at the eastern end of Englewood Avenue. The Project Area occupies the top of a low hill (elevation 130 feet AMSL), referred to in the nineteenth century as Kreischer's Hill, which overlooks the Arthur Kill to the west.

The proposed Fairview Park project includes ground disturbance of an approximately 13-acre area (the Project Area). Proposed facilities to be built within the Project Area include tennis courts, basketball courts, two athletic fields, three baseball/softball diamonds, a comfort station, parking area, network of paths, and appropriate landscaping (Figure 2). Proposed construction-related activities include clearing of vegetation, drainage work, grading, and plantings.

2.0 RESEARCH DESIGN

2.1 PREVIOUS ARCHEOLOGICAL RESEARCH

In 1996, a Phase IA archeological assessment of the 120-acre site of the proposed Bricktown Centre at Charlestown (a proposed retail center) was prepared and submitted to the LPC (HPI 1996). The Bricktown Centre project area includes the proposed location of Fairview Park. The Phase 1A assessment concluded that there was a high potential for the presence of undisturbed prehistoric sites in the survey area. The assessment also identified a number of prehistoric sites in the immediate vicinity of the survey area, at least one of which--the Canada Hill Site--appeared to be located in the survey area. The assessed high potential for the presence of prehistoric sites was also supported by the relatively high density of such sites in the immediate vicinity, and the fact that a large percentage of the survey area remained undisturbed by construction or landscaping during the historic period.

In 1999 and 2000, JMA conducted a Phase IB archeological survey for the proposed Bricktown Centre at Charleston (JMA 2000). Due to the extent of near-impenetrable vegetation and the large size of the proposed project area, JMA's survey was limited to selected locations that exhibited favorable indications for the presence of archeological remains. Most of the areas included in the present Fairview Park Project Area were not surveyed. JMA also conducted limited Phase 2 evaluations at the Kreischer Estate site and at three prehistoric archeological sites identified during the Phase IB survey. Extensive archeological remains of various structures and features associated with the Kreischer Estate were identified. The Kreischer Estate ruins and one of these prehistoric sites, the Fairview (or Kreischer) Prehistoric Site, are located immediately adjacent to the Fairview Park Project Area.

2.1.1 THE BALTHASAR KREISCHER ESTATE SITE

The site of the Kreischer Estate, or "Fairview," was identified during the Phase IA assessment as a potentially significant historical resource (HPI 1996:23). This site is located in the southwest corner of the Fairview Park project area. Balthasar Kreischer, a German immigrant who became the country's leading manufacturer of fire-brick, built the estate during the mid-1850s. The Kreischer and Mumpton brick factory, originally located in Manhattan, was moved out to Staten Island in 1855. Fairview, the Kreischer family's home, was constructed about the same time as the factory and appears for the first time on an 1859 map of the area (HPI 1996:18). Balthasar Kreischer died in 1886. The estate was occupied until some time in the early-twentieth century, and was destroyed by fire in 1931.

JMA conducted Phase 2 fieldwork at the Kreischer Estate in the spring of 1999. A total of 18 features with visible surface remains were identified at the Kreischer Estate (Figure 3). These features included the main house foundation and associated structural remains, the complex of barns and other outbuildings located in the northeast section of the site, and a group of features representing possible agricultural outbuildings and/or structures associated with the Estate's water supply and plumbing systems located east of the main house foundation. JMA also excavated three grids of shovel test units (STUs), and five three-foot by three-foot excavation units (EUs) in selected areas within the site.

The integrity and distribution of the recovered artifact assemblage indicated that the Kreischer Estate is largely undisturbed and is likely to contain additional archeological deposits associated with the nineteenth-century occupation of the site. JMA concluded that the Kreischer Estate should be treated as a significant historic resource with the potential to contribute important information about the history of Staten Island. An OPRHP *Archeological Site Inventory Form* for the Fairview (Kreischer Estate) Site is included in Appendix A of the present report.

2.1.2 THE FAIRVIEW PREHISTORIC SITE

During the Phase 2 archeological investigations at the Kreischer Estate site (JMA 2000), prehistoric artifacts were recovered from test units located southeast of the foundation remains of the main house (Figure 3). Phase 2 fieldwork resulted in the recovery of numerous artifacts related to stone tool production. No diagnostic artifacts were recovered. Although most of the prehistoric material came from within a small 60-foot-by 40-foot area southeast of the remains of the main estate house, small quantities of prehistoric material were also recovered northwest and east of that location. The distribution of recovered materials suggests that the site may at one time have occupied the entire knoll, but was disturbed by the construction of the Kreischer mansion. Although the prehistoric site appears to have been partially disturbed by the nineteenth-century occupation of the site, the limited testing done by JMA suggests that at least portions of the site retain sufficient integrity to contribute important archeological data.

In 1967 the Metropolitan Area Archaeological Survey (MAAS) recorded the location of the "Canada Hill" site (LPC Site 17; NYSM Site 770; OPRHP Site A085-01-0073; Boesch 1994; Williams 1967). A sketch map prepared as a component of the MAAS survey identifies three loci (indicating surface scatters of shell fragments), the westernmost of which appears to be in approximately the same location as the Kreischer Estate. The OPRHP *Archeological Site Inventory Form* provides the following information (from Williams 1967):

[Location:] In block bounded by Drumgoole Avenue, Arthur Kill Road, Englewood Avenue, and West Shore Expressway... [Description:] From the surface were recovered a fragment of kaolin pipe, a whelk column, quartz and chert chips, fragments of glazed ceramic, and fire-cracked rock. A light scatter of shell fragments (mostly clam) appeared on surface in areas marked on map. Five shallow test pits were dug, revealing a humus layer of about 2–3 inches, underlain by at least 1.5 feet of red clay... Numerous potholes attest to excavation by persons unknown.

In the Phase 1A report prepared for the proposed Charleston Retail Center, HPI (1996:13) determined that the name attributed to the site during the 1967 MAAS survey was erroneous:

Of the sites identified in the site file search, the site numbered A085.01.0073 and located in the southeast corner of the project site, is of interest due to its name. The site is known as "Canada Hill." The naming of the site as Canada Hill appears erroneous as Canada Hill is located just north of the Staten Island Rapid Transit's Richmond Valley Station (Morris 1898:378; personal conversation with Edward Johnson, Curator of Natural Science, SIIAS; personal conversation with Raymond Matarazzo, Assistant Curator of Natural Science, SIIAS). Despite the problems with the site's name, the location of it inside the limits of the proposed construction accentuates the prehistoric potential of the project site.

Based on the location information provided in the HPI report, it appears that the actual location of "Canada Hill" (the landform) is approximately one-half mile south-southeast of the Kreischer Estate/Fairview Park Project Area, within the area bounded on the north by the Richmond Parkway/Outerbridge Crossing Toll Plaza, on the south by Amboy Road, and on the west by Page

Avenue. Historical sources refer to the rise that the Kreischer Estate (and Fairview Park) is located on as Kreischer's Hill (Morris 1898:378).

JMA believes that the prehistoric materials from the Kreischer Estate recovered during the 1999 Phase 2 fieldwork represent one of the loci previously reported as the "Canada Hill" site. To avoid future confusion regarding site location and place names, JMA refers to this site as the Fairview Prehistoric Site. An OPRHP *Archeological Site Inventory Form* for the Fairview Prehistoric Site is included in Appendix A of the present report.

2.2 ARCHEOLOGICAL FIELDWORK METHODS

The principal method of archeological survey employed for the project was the excavation of shovel test units (STUs). Each STU was between 12 and 18 inches in diameter and excavated at least 6 inches into sterile subsoil. No subsurface testing was undertaken in previously disturbed areas, areas where slopes exceed 12 percent, or in wetland areas. STUs were excavated at 50-foot intervals across all portions of the Project Area. The locations of all subsurface tests were plotted on a map of the Project Area. Throughout the archeological testing, field activities were photographed, and the Field Director maintained notes which recorded the methods and results of all testing.

The soil profile of every STU was recorded on standardized forms, on which the color, texture, and depth of each stratum were noted, as well as any other characteristics or anomalies. Depths of soil strata recorded in test excavations are presented throughout this report in inches below ground surface (bgs). Stratigraphic profiles for all or the archeological test units excavated during the project are included in tabular format as Appendix B of this report.

Soil excavated from STUs was passed through one-quarter inch hardware cloth to ensure uniform recovery of cultural remains. Historic-period artifacts, consisting mostly of small bits of broken glass, sherds of plain white earthenware (whiteware and ironstone) vessels, and small fragments of brick, were observed on the ground surface and in STUs throughout the Project Area. Much of the glass consisted of splinters or fragments smaller than one-half-inch in size that lacked morphological or other characteristics that would permit identification of the manufacturing technique and/or function of the vessel from which the fragments originated. Similarly, most of the plain white earthenware sherds were smaller than one-half-inch and lacked any decorative patterns or distinctive morphological characteristics. Because of the very limited informative potential of these types of finds, JMA personnel did not collect all of these fragments for further analysis in the laboratory. In all cases where such finds were observed in STUs, the presence of unidentifiable (UID) glass fragments or white earthenware sherds was recorded on field forms. The distribution of these materials within the Project Area is depicted on Figure 4 and presented in tabular format in Appendix B.

Recovered artifacts were placed in field bags marked with standard provenience information and returned to JMA's Croton-on-Hudson laboratory for further processing. The artifacts were cleaned, catalogued, and inventoried. To the extent possible, recovered artifacts were identified as to material, temporal or cultural/chronological associations, style, and function. Historic artifacts were classified according to material, function, style, and date of manufacture following. Artifacts were placed in heavy duty, archival-quality plastic bags for permanent storage, and a provenience tag printed on acid-free paper was placed in each bag. Provenience information was recorded on the outside of each bag, labeled with a permanent marker.

2.3 POTENTIAL ARCHEOLOGICAL RESOURCES

Based on the previous archeological work conducted in the vicinity of the proposed Fairview Park (e.g., HPI 1996; JMA 2000), the Project Area was considered sensitive for both historic-period and prehistoric (Native American) archeological sites. Current project layouts (for Fairview Park) were designed to avoid impacts to the recorded components of the Kreischer Estate site (Figure 2). Prior to initiating the Phase 1B survey, JMA anticipated that the following potentially significant archeological features or deposits could be located within the Project Area:

- Structural and/or foundation remains associated with the Kreischer Estate and/or previously unrecorded historic-period occupation of the property;
- Unusual or noteworthy landscape features and/or plantings associated with the Kreischer occupation of the property;
- Shaft features or other discrete deposits of domestic refuse associated with the Kreischer Estate;
- Groupings of lithic debitage or stone-tools in identifiable clusters of STUs;
- Indications of prehistoric features (could include hearths, pits, shell deposits, or identifiable occupation surfaces).

The following types of finds, if observed during the field survey, were recorded but not considered potentially significant:

- Low-density or isolated historic artifacts (e.g., small sherds of ceramic, glass, or metal hardware) in plowzone contexts that clearly represent field scatter associated with historic agricultural (manuring) practices;
- Isolated prehistoric artifacts;
- Artifacts recovered from clearly disturbed contexts.

3.0 ARCHEOLOGICAL SURVEY RESULTS

3.1 EXISTING CONDITIONS

Prior to the initiation of construction-related work associated with the Fairview Park project, the Project Area was covered with dense vegetation including young trees, low-lying shrubs, and common catbriar. The existing vegetation on the property was described in the previous Phase 1B/2 report as “dense near-impenetrable primary and secondary growth vegetation” (JMA 2000:5). The character and young age of the vegetation on the site was the “direct result of a catastrophic fire that engulfed the southwestern part of Staten Island in the 1960s” (HPI 1996:8). The density and pernicious nature of the vegetation on the property required a modified approach to archeological survey during the 1999–2000 fieldwork, consisting of pedestrian reconnaissance to identify macro-indicators of archeological sensitivity followed by sub-surface testing in only those areas identified as potentially sensitive (JMA 2000:5–7).

Due to the logistical problems created by the vegetation during the previous (JMA 2000) archeological work, DPR instructed the Contractor to clear the vegetation from the Project Area prior to the beginning of the Fairview Park Phase 1B archeological survey. During September–October 2004, the Contractor cleared all of the trees and undergrowth within the Project Area, except for those few trees designated to remain in construction plans. It is JMA’s understanding that the clearing work was conducted by use of small machines (brush hogs) and that no digging or use of excavation equipment was involved in the clearing efforts.

JMA conducted archeological fieldwork for the Fairview Park project between October 27 and November 9, 2004. On the first day of the survey, JMA personnel conducted a pedestrian reconnaissance of the Project Area to determine if the clearing work had resulted in the exposure or disturbance of any archeological features. The existing conditions within the Project Area at the time of the Fairview Park Phase 1B survey are depicted in Plates 1–6. The locations and orientations of these photographic views are depicted on Figure 4. Large mounds of mulched vegetation that resulted from the recent clearing efforts were dispersed throughout the Project Area. The ground surface of the Project Area is generally characterized by poorly drained, clay-based soils (in contrast to the sandy soils generally associated with Staten Island). The effects of machines going over (and getting stuck in) soft, wet ground resulted in the creation of ditches and cavities filled with standing water by the time of the survey (Plate 7). There were many isolated pockets of clearing-related disturbance, including machine-tread ruts and approximately five-foot-diameter areas of overturned soils and/or voids where trees had been ripped out.

Project plans (e.g., Figures 2 and 4) depict the proposed limits of clearing for the Project as avoiding the archeological features associated with the Kreischer Estate site, however the limits of clearing observed in the field exceeded the “as-drawn” limits in some areas. Reconnaissance of the limits of clearing resulted in the identification of two areas where clearing activities damaged archeological features associated with the Kreischer Estate, both located in the vicinity of the complex of barns (Area A in the 2000 JMA report; see Figure 3) and other features located northeast of the ruins of the mansion.

JMA observed scattered brick rubble along the treeline/limits of clearing located along the northern perimeter of the barn-foundation complex (Figure 4; Plates 8–10). Based on the amount and location of the exposed rubble, it appears that the clearing-work conducted by the Contractor

resulted in some disturbance to the northern perimeter and northeastern corner of the easternmost barn foundation associated with the Kresicher Estate. The disturbed foundation corresponds with Feature A8 reported in the previous Phase 1B/2 archeological investigation (JMA 2000:20):

Feature A8. Feature A8 is a north-south trending berm located approximately 75 feet east of Feature A3 [i.e., a 30-foot-by-50-foot barn foundation]. The berm is approximately 40 feet long and is probably a foundation wall from the easternmost barn depicted on the 1898 and 1913 maps. Several feet east of Feature A8 the briars were too thick for surveyors to penetrate and the boundaries of this probable feature were not defined.

The limits of clearing also bisected a filled-in pond (JMA 2000 Feature A7)(see Figures 3 and 4). The eastern perimeter of the pond suffered some disturbance associated with both the treads of machinery and ripping out of trees during the clearing work by the Contractor. Scattered fragments of nineteenth-century glass and ceramic vessels were observed on the ground surface around the disturbed eastern perimeter of the pond (Plates 11-12). JMA's documentation of, and recovery of artifacts from, this feature is discussed in detail in Section 3.3 (below).

3.2 PHASE 1B ARCHEOLOGICAL SURVEY

JMA excavated 221 STUs within the Fairview Park Project Area. Shovel test units were excavated at 50-foot intervals, and arranged within a grid plan oriented parallel to the northern perimeter of the Project Area (extending east from Englewood Avenue). Each transect of STUs was designated with a letter (e.g., "Transect A"). STUs within each transect were designated with sequential numbers that progressed from west to east (e.g., STU A1 was the westernmost STU within Transect A; STU A2 was located 50 feet east of STU A1). The locations and arrangement of STUs relative to proposed fields and facilities within the Project Area is depicted on Figure 4.

Stratigraphy observed in STUs throughout the Project Area (Appendix B) was fairly uniform and typically included a shallow (between 0–2 and 0–6 in. bgs) dark grayish brown silty clay loam organic (A₀) horizon underlain by dark grayish brown, brown, or dark yellowish brown silty clay loam or clay loam (to depths typically between 7 and 11 in. bgs) and yellowish brown, yellowish red, or reddish brown silty clay or clay subsoil. The stratigraphy observed during the Phase 1B survey is consistent with soils reported during previous archeological work in the area (JMA 2000; Williams 1967), which also describe shallow organic horizons overlying clay subsoil.

Figure 4 depicts the distribution of historic-period artifacts that were recovered or recorded (see Section 2.2) throughout the Project Area. A low-density scatter of domestic debris, principally small fragments of unidentifiable (UID) glass vessels and small sherds of plain white earthenware (Appendix B), was dispersed across most portions of the Project Area (Figure 4). These materials represent field scatter associated with past manuring practices and other agricultural uses of the property. Notable concentrations of artifacts, landscape features, and previously disturbed areas are discussed below.

The observed ground surface and stratigraphy observed within STUs along Transects A and B (Figure 4) indicate previous ground disturbance along the northern perimeter of the Project Area (Plates 13–14). These transects were located along the former route of Englewood Avenue, which street atlases depict as extending from Arthur Kill Road to Bloomingdale Road. Indicators of previous disturbance included ruts, ditches, push-piles, and deposits of compact fill with crushed stone and asphalt overlying subsoil. Artifacts documented in STUs A1–A6 and B1–B4 (Appendix B) included fragments of scrap metal, windshield glass, and twentieth-century beer-bottle glass.

The northeastern portion of the Project Area included an approximately 250-foot-by-200-foot stripped (previously disturbed) area (Plates 15–16), which is depicted on aerial photographs that pre-date the clearing by the Contractor (Figure 2). No STUs were excavated within this area because the ground surface was bare clay (subsoil) from which all of the topsoil had been removed. This area was formerly accessible from the “dead-end” (eastern terminus) of Englewood Avenue, and had apparently been used for illicit dumping of automobiles, demolition rubble, household refuse, and assorted debris during the latter decades of the twentieth century. Clearing work in this area included the consolidation of this debris into discrete mounds for eventual disposal (Plate 17). The automobiles and remains of household appliances observed within these piles likely account for the fragments of scrap metal and modern glass observed on the ground surface and in STUs in the vicinity of the stripped area.

JMA observed a relatively greater density of historic materials in the northeastern portion of the Project Area, particularly in the vicinity of STUs C1–C4, D1–D4, E4–E7, and F3–F6 (Figure 4). Historical maps and atlases (e.g., Beers 1887; Robinson 1898; Borough of Richmond 1911; reproduced in HPI 1996) depict the former route of the Kreischer Estate’s driveway as running south from Englewood Avenue through this area. The former location of the driveway’s northern entrance is visible as an overgrown break in the tree line along Englewood Avenue. The former route of the driveway is visible on the landscape as a stripped area, defined by embankments to the east and west (Plate 18; Figure 4).

The materials recovered in the vicinity represent debris scattered along the edges of the former driveway or lane that extended from Englewood Avenue to the Kreischer Estate. Artifacts from this area likely associated with the occupation of the Estate included small fragments of bottle glass and sherds of creamware, whiteware, ironstone, semi-porcelain, redware, and stoneware (STUs C2, C3, D2–D4, E4–E7, F3–F6; Appendix B). Modern materials (that post-date the abandonment of the Estate) recovered from STUs (or observed on the surface in the vicinity) included twentieth-century beer-bottle fragments and two sherds of blue fiestaware (STUs C1–C2, C5–C6, D2–D4, E6, F6; Appendix B).

Remnant portions of the former driveway are also visible within the non-cleared, wooded areas around the foundations and other features within the Kreischer Estate Site (Plates 19–20; Figure 4). A path-route proposed by DPR (JMA Transect S; Plate 5) crosses the former driveway route between the area of the barn foundations (to the northeast) and ruins of the mansion (to the southwest). STU S3 was excavated within the former route of the driveway. The surface of the former driveway was documented within this STU as a lens of black sand and gravel fill (Appendix B: STU S3, Stratum II) between 5 and 7 inches bgs. Artifacts recovered from this STU were similar in type and date-range to the materials recovered in the vicinity of the northern entrance to the driveway (described above) and included small sherds of gray stoneware and transfer-print whiteware.

JMA also documented numerous small fragments of brick rubble in the vicinity (north) of the Kreischer Estate barn foundations (i.e., Area A in Figure 3). These small fragments were observed on the ground surface and recorded in STUs G1–G2, H1, H3–H9, and I1–I2 (Figure 4). These fragments are assumed to have originated from the features recorded in the vicinity of the barns, and may have been recently dispersed resulting from the disturbance to the northeast corner of the easternmost barn foundation (see Section 3.1, Plates 8–10) during the clearing work that preceded the archeological survey. No indications of a foundation or other structural remain were observed north of the limits of clearing in this area. A more dispersed pattern of brick

fragments was also documented in the areas extending south and southeast from the vicinity of the barn foundations (Figure 4).

JMA recovered an interesting find from the ground surface approximately 20 feet east of STU G1. The artifact is the base of an aqua-colored mold-blown bottle embossed with a *formée* and the letters "AO" (Plate 21). The embossed symbol resembles the "Iron Cross" or "Bavarian Cross" which served as a German (or Prussian) nationalist symbol throughout the nineteenth century. A similar cross (in at least one example, with a superimposed eagle) was embossed on *Berlin Mineral Water* bottles, manufactured in Boston in the mid-to-late-nineteenth century (Lindsey 2005). This bottle fragment may represent an expression of the Kreisler's ethnicity through their selection of specific consumer products.

No prehistoric artifacts were recovered from STUs nor observed on the ground surface within the Fairview Park Project Area.

3.3 KREISLER ESTATE POND

As a component of the Phase 1B survey, JMA also conducted limited archeological work around the filled-in pond located southeast of the Kreisler Estate barn foundations. The pond corresponds to Feature A7 reported in the previous Phase II archeological investigations at the Kreisler Estate (JMA 2000:19):

Feature A7. Feature A7 is a mostly-drained pond, approximately 30 feet in diameter, located southeast of Feature A3. Sections of dry-laid stone wall are visible along the banks of the pond ... suggesting that the pond is artificial, or at least had been modified during the occupation of the site. The pond was likely used for watering the animals housed in the barn complex. The banks of the pond were littered with domestic refuse. Surface collecting along the edge of the pond recovered 151 artifacts. Ceramics recovered in this surface collection include plain, molded, and gilded ironstone, brown stoneware, gray stoneware, plain whiteware, plain white granite ware, and plain, decal overglaze, and molded porcelain. The surface debris was primarily composed of fragments of glass bottles. The many mold-blown (66 fragments) and machine-made (50 fragments) glass bottles indicate that the area was used as a dump in the late-nineteenth and/or early-twentieth century.

A three-foot by three-foot excavation unit (N0/E110) was placed in the northwest section of the former pond. Stratigraphy within the pond consisted of 0.4 feet of black (10 YR 2/1) moist sandy silt underlain by very dark grayish brown (10 YR 3/2) moist sandy silt. The red (2.5 YR 4/6) sandy clay subsoil was encountered at 0.7 feet below the ground surface... Artifacts recovered in this unit included bottle glass, ceramic sherds, and miscellaneous hardware, and were similar in date range and description to those found on the banks of the pond. The artifact assemblage from within and around Feature A7 suggests that the pond was used as a convenient location to dispose of glass vessels and other domestic debris during the latter periods of occupation and abandonment of the Estate.

The existing conditions of the pond feature included evidence for the effects of machine operation and brush removal during the clearing work that preceded the archeological survey (see Section 3.1; Plates 11–12). An approximately 20-foot-diameter pool of standing water occupied the center of the depression. Large, cut stones partially covered over by soil were visible along the northwestern and northern border of the pond. Slumping banks of wet soil defined the southwestern and northeastern perimeters of the pond. The southeastern and eastern edges of the feature were also defined by slumped in banks, however, this area also bore the marks of machine treads and voids where small trees, shrubs, and undergrowth had been ripped out during the clearing work. Fragments of glass and ceramic vessels (some recently broken) were exposed

along the eastern edge of the feature. It is likely that these objects were buried, or at least partially covered by leaf litter, prior to the clearing work by the Contractor.

JMA personnel removed (by hand) the remaining brush and leaf litter along the perimeter of the pond to assess the degree of disturbance to the feature. As a component of this work, JMA also conducted limited cleaning excavations along the northwestern (undisturbed) perimeter of the pond, where partially buried stones emerging from the mud suggested an intact and artificial perimeter for the feature. Removal of the slumping sediments on and around these stones revealed that the pond was defined by two-to-three courses of neatly laid cut stone (Figure 5; Plate 22). A brick-lined drain or trough also appears to have flowed into the pond from the north-northwest (likely originating from the barns or cisterns in their immediate vicinity).

Based on the limited cleaning work conducted by JMA, it appears that the pond served both practical and aesthetic functions. The vicinity of the mansion and barns is generally a poorly drained area, and the numerous cisterns and brick-lined troughs documented throughout the complex (Figure 3; JMA 2000) suggest that the storage and movement of water was a priority in the layout of the estate. It is likely that the pond was excavated in a naturally low-lying spot to provide a receptacle for groundwater in the vicinity of the barns.

The reported memories of a descendant of one Kreisler's employees suggest that the grounds of the estate included carefully designed formal landscape elements (Abbot 1949:36):

There was ... a farmer and a farmhouse, an icehouse with storage space above it, and many fine fruit trees... Many ornamental trees and shrubs were brought from Europe, and the garden was laid out in beds in the shapes of diamonds, crosses, anchors and the like, each as perfect as part of a tapestry pattern and brilliant with whatever flowers were in season.

The presence of a well-constructed wall of cut stone set into the embankment around the perimeter of the pond (Figure 5; Plate 22) indicates that aesthetics were also important considerations in the construction of this feature. It seems reasonable to assume that the pond would have been a component of the formal landscaping that characterized the grounds of the estate. Numerous historical archeologists have documented the importance of formal landscapes and gardens at nineteenth-century elite residences (e.g., Yamin and Metheny 1996). During the nineteenth-century formal landscapes were constructed to demonstrate wealth, as well as to symbolically express control over both the natural and social orders. Unfortunately, identifying other original elements of the historical landscape from the Fairview Estate may prove difficult due to the ca. 1960s forest fire that reportedly burned much of the vegetation in this area of Staten Island (see Section 3.1).

In total, 220 artifacts were recovered from the vicinity of the pond (Appendix C). These artifacts included fragments collected from the ground surface in the disturbed area along the eastern perimeter of the pond, as well as artifacts recovered from the wall-cleaning excavations conducted along the northwestern dry-laid-stone perimeter of the pond¹. Ceramic artifacts recovered from the pond perimeter included fragments of stoneware and ironstone crocks, and smaller sherds from whiteware, ironstone, white graniteware, and semi-porcelain tableware vessels – most of which are plain or undecorated specimens. The ceramic assemblage did include

¹ The previous Phase II investigation of the site also included surface collection of glass and ceramic vessels from the perimeter of the pond. The assemblage recovered during the previous investigation (JMA 2000:Appendix II) provides documentation of the artifact assemblage associated with this feature prior to the disturbance that occurred during the recent clearing work.

three sherds from semi-porcelain tableware vessels with gilt rims, two of which are decorated with overglaze decals (1 floral motif and 1 cat) (Plate 23).

The vast majority of artifacts recovered from the pond were glass bottle fragments (Appendix C). These included fragments from blown-in-mold ($n=120$), turn-molded ($n=14$)(ca. 1870–1920), and machine-made ($n=20$)(ca. 1903–present) bottles. Additionally, 16 of these fragments were amethyst-tinted - which is a discoloring effect that results from the exposure to sunlight of manganese inclusions in the glass (added as a clarifying agent in colorless glass, a common practice between 1880 and 1915). The glass assemblage recovered from the pond supports the earlier findings (JMA 2000, above) of a deposition date for the artifacts in the pond during the 1900s or 1910s.

The majority of the glass vessels, particularly those collected from the eastern perimeter of the pond, were highly fragmented and difficult to identify as to function or contents. It was clear that many of these fragments represented beverage bottles of various types (e.g., mineral water, beer, liquor, milk) that had been crushed (or suffered additional breakage) during the recent clearing work. Among the identifiable vessels or vessel fragments were a number of bottles that represent local (Staten Island) brewers and bottlers from the nineteenth century (Plate 24), including the George Bechtel Brewing Company (established 1865, Stapleton), the Atlantic Brewing Company – owned by Rubsam & Hormann (established ca. 1870, also Stapleton), the Prince's Bay Bottling Company, and the Hadkins Bottling Company (ca. 1875–1900, Tottenville)(Apuzzo 1994; Bayles 1877:726–729; Morris 1900:472–473).

The limited work conducted by JMA in the vicinity of the Kreischer Estate pond feature provided an opportunity to briefly re-consider the results of the previous Phase II investigation (JMA 2000). The previous study concluded that a continuous midden associated with the Kreischer household extended north and west from the mansion across the entire site (including the vicinity of the barns and pond). An historical account describing the property (Abbott 1949; see above) indicates that at least one other household, associated with “a farmer” (likely the groundskeeper), also resided on the property. Feature A2, documented during the Phase II investigation (JMA 2000:18)(see Figure 3), is an approximately 40-foot-by-25-foot rectangular depression defined by at least one low wall of stones that is located on the western perimeter of the barns area adjacent to the former route of the driveway. Although not recognized as such during the Phase II investigation, it is likely that this feature represents “the farmhouse” mentioned in the historical account cited above.

Given the extent of the seemingly continuous midden deposit across the entire site, it seems likely that the artifacts recovered during the Phase II investigation actually represent (at least) two distinct assemblages associated with the multiple households that occupied the estate at the turn-of-the-twentieth-century. For instance, the pond feature is located approximately 350 feet west of the Kreischer mansion ruins. It seems reasonable to assume that refuse from the mansion would have been deposited in the numerous cisterns and other shaft features located in closer proximity to the mansion. The sherds and fragments of tablewares, kitchen crocks, and various beverage bottles recovered from the pond represent an assemblage of domestic refuse, which was likely associated with the household of the farmer (or groundskeeper).

While a rigorous re-analysis of the artifact assemblage recovered during the Phase II investigation was beyond the scope of the current project, a cursory review of the artifact catalog (JMA 2000:Appendix II) suggests that it may be possible to identify distinct assemblages recovered from different portions of the site. For example, the ceramic assemblage recovered from the

vicinity of the mansion appears to include a greater diversity of types as well as older types, including pearlwares, whitewares, ironstones, and porcelains that exhibit a variety of decorative motifs. The ceramics from the vicinity of the barns and pond seem less diverse and include primarily ironstones and semi-porcelains. A more in-depth re-examination of the assemblage would likely reveal significant differences among the artifacts recovered from various areas related to the distinct households that occupied the estate.

4.0 CONCLUSIONS AND RECOMMENDATIONS

4.1 SUMMARY AND CONCLUSIONS

Site clearing work conducted by the Contractor on behalf of DPR prior to the Phase 1B survey resulted in disturbance to two archeological features associated with the Kreischer Estate site. These disturbances included impacts to the northern perimeter of a barn foundation (JMA 2000:Feature A8) that suffered damage associated with the operation of machinery along the limits of clearing in this area (Plates 8–10; Figure 4). Clearing work also resulted in disturbance to the eastern perimeter of a partially filled-in pond (JMA 2000:Feature A7)(Plates 11–12, 22; Figures 4–5). These disturbances appear to have resulted from errors in determining the limits of clearing (designed to avoid impacts to the site) prior to the beginning of the clearing operations.

JMA excavated 221 shovel test units (STUs) within the 13-acre Fairview Park Project Area. Historic-period artifacts, consisting mostly of small bits of broken glass, sherds of plain white earthenware (whiteware and ironstone) vessels, and small fragments of brick, were observed on the ground surface and in STUs throughout the Project Area. Much of this material consisted of splinters or fragments smaller than one-half-inch in size that lacked any decorative patterns or distinctive morphological characteristics. These materials represent field scatter associated with past manuring practices and other agricultural uses of the property.

No prehistoric artifacts were recovered from STUs nor observed on the ground surface within the Fairview Park Project Area. While some locations within the Project Area exhibited evidence for recent ground disturbance associated with clearing activities, these locations were discrete and bounded areas. The recovery of historic-period field scatter from STUs across the Project Area indicates that near surface archeological deposits remained intact after the clearing work. It is the opinion of JMA that if any prehistoric deposits were present within the Fairview Park Project Area, then they would have been identified.

JMA also conducted limited archeological work around the filled-in pond located southeast of the Kreischer Estate barn foundations. The eastern perimeter of this feature bore the marks of machine treads and voids where small trees, shrubs, and undergrowth had been ripped out during the clearing work. Fragments of glass and ceramic vessels (some recently broken) were exposed on the ground surface along the eastern edge of the feature (Plates 11–12). Cleaning excavations along the northwestern (undisturbed) perimeter of the pond were conducted to reveal that the pond was defined by two-to-three courses of neatly laid cut stone (Figure 5; Plate 22). A brick-lined drain or trough also appears to have flowed into the pond from the north-northwest (likely originating from the barns or cisterns in their immediate vicinity).

A total of 220 artifacts were recovered from the vicinity of the pond (Appendix C), including stoneware and ironstone crocks, smaller sherds from white earthenware (tablewares and teawares) vessels, and a large assemblage of glass bottle fragments. Many of these fragments represented beverage bottles of various types (e.g., mineral water, beer, liquor, milk) that had been crushed (or suffered additional breakage) during the recent clearing work. An historical account (Abbott 1949) references the household of a farmer (or groundskeeper) that resided on the property. A cursory review of the previous study (JMA 2000) suggests that the artifact assemblage recovered from the Kreischer Estate may relate to multiple households. It seems likely that the assemblage recovered from the pond and immediate vicinity is associated with the household of the tenant employee(s) who were responsible for the maintenance of the property.

4.2 RECOMMENDATIONS

The Phase 1B archeological survey of the Fairview Park Project Area did not identify any previously unrecorded, significant archeological features or artifact deposits associated with the Kreischer Estate located within the limits of clearing associated with the proposed athletic facilities. No prehistoric artifacts were recovered from the Project Area. In the opinion of JMA, construction of the proposed Fairview Park will not result in any direct effects to previously unrecorded archeological sites or features.

The proposed layout of athletic and recreational facilities at Fairview Park was designed to avoid or minimize impacts to the Kreischer Estate archeological site. Clearing work conducted in preparation for the project resulted in disturbance to two of the features associated with the Kreischer Estate. It is unlikely that additional construction-related impacts to the site will occur. The Contractor installed fencing around the limits of clearing (including a 10-foot buffer around the perimeter of the pond) that should prevent any additional disturbances to features located along the edges of the site.

Construction of the proposed Fairview Park creates potential opportunities and liabilities regarding access to the Kreischer Estate site. In the previous archeological investigation, JMA (2000) documented the presence of numerous shaft features (e.g., cisterns) within the site. These features are brick-line holes up to 10 feet in diameter, of varying and/or undetermined depth, and frequently with visible standing water at the bottom of the shaft. These features are important elements of the site and likely contain significant archeological deposits, but they also present safety concerns and can be considered potential attractive nuisances. DPR should implement a plan to cap or fill these holes in such a way to prevent accidental (or purposeful) entry by the public without disturbing the integrity of potential archeological deposits located within the features.

In the opinion of JMA, the Kreischer Estate site is an appropriate and excellent candidate for public interpretation. The site is historically significant in local terms for its association with the Kreischer Brickworks, establishment of Kreischerville (Charleston), and other nineteenth-century public works sponsored by or associated with the Kreischer family (e.g., the Staten Island Railroad, local churches). The site is also significant as an intact archeological example of a nineteenth-century elite residence and associated structures. The internal arrangement and individual features of the site (i.e., foundations) retain an excellent degree of integrity, are relatively visible (or could be made visible with a minimum of vegetation clearing), and will be readily accessible after the construction of the park is completed. The interpretation of the site could be accomplished via a program of signage and graphic displays, artifact displays, and/or interpretive textual materials. The preparation of these interpretative materials should also include the formal documentation of the site for the purpose of preparing a National Register of Historic Places nomination.

Public access and exposure to the ruins simultaneously presents opportunities for vandalism and looting of the site. As the steward of this important archeological site, it is incumbent on DPR to present the historical significance of the site to the public and simultaneously deter acts of vandalism and inappropriate collection of artifacts.

5.0 REFERENCES CITED

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1967 Canada Hill. *Metropolitan Area Archaeological Survey: Site Survey Sheet*. Department of Anthropology, New York University. On file with OPRHP Archeological Site Inventory Form A085.01.0073.

Yamin, Rebecca and K.B. Metheny (editors)

1996 *Landscape Archaeology: Reading and Interpreting the American Historical Landscape*. University of Tennessee Press, Knoxville.

FIGURES

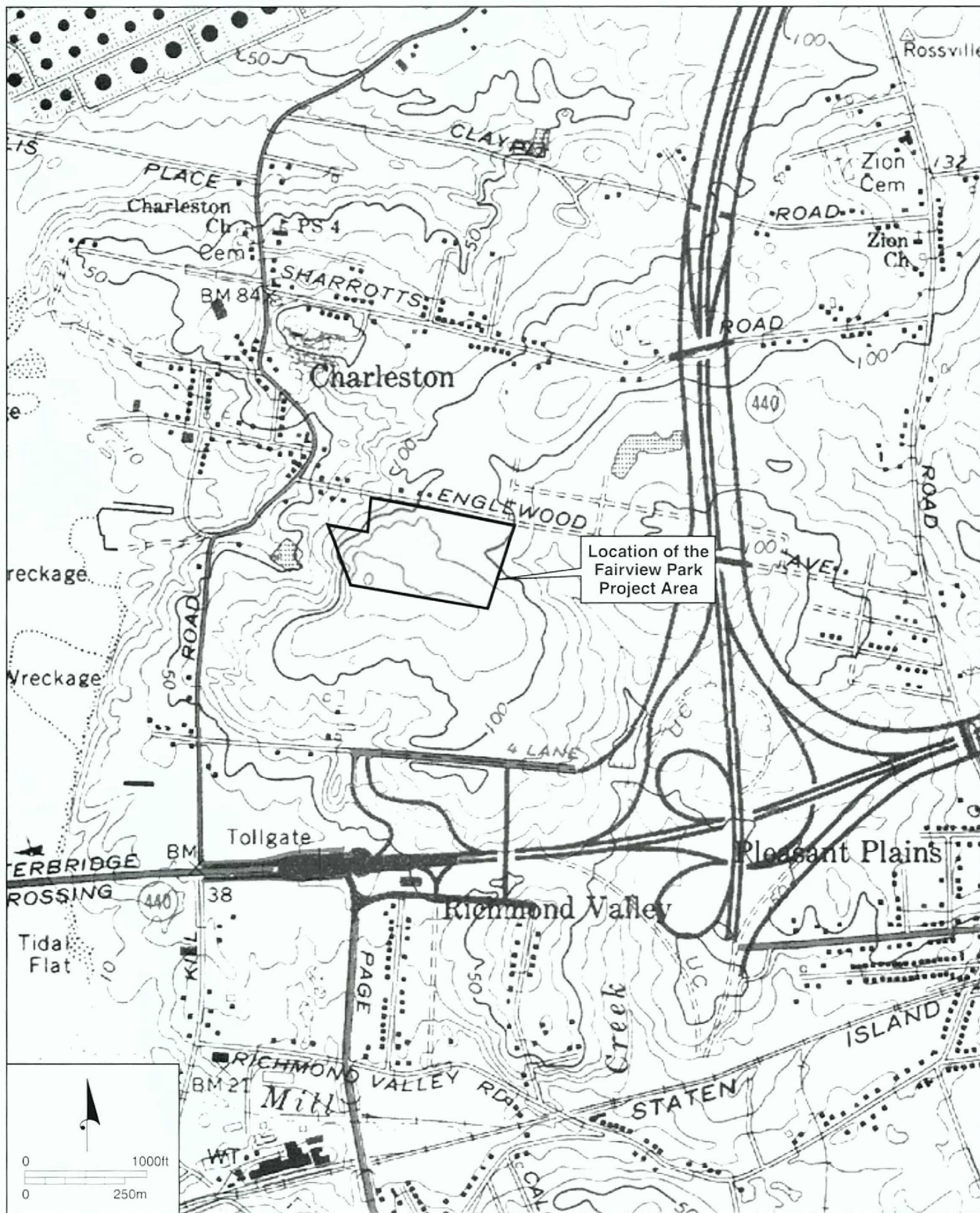


Figure 1. Detail of the *Arthur Kill, N.Y.* 7.5-minute USGS topographic quadrangle showing the location of the proposed Fairview Park.

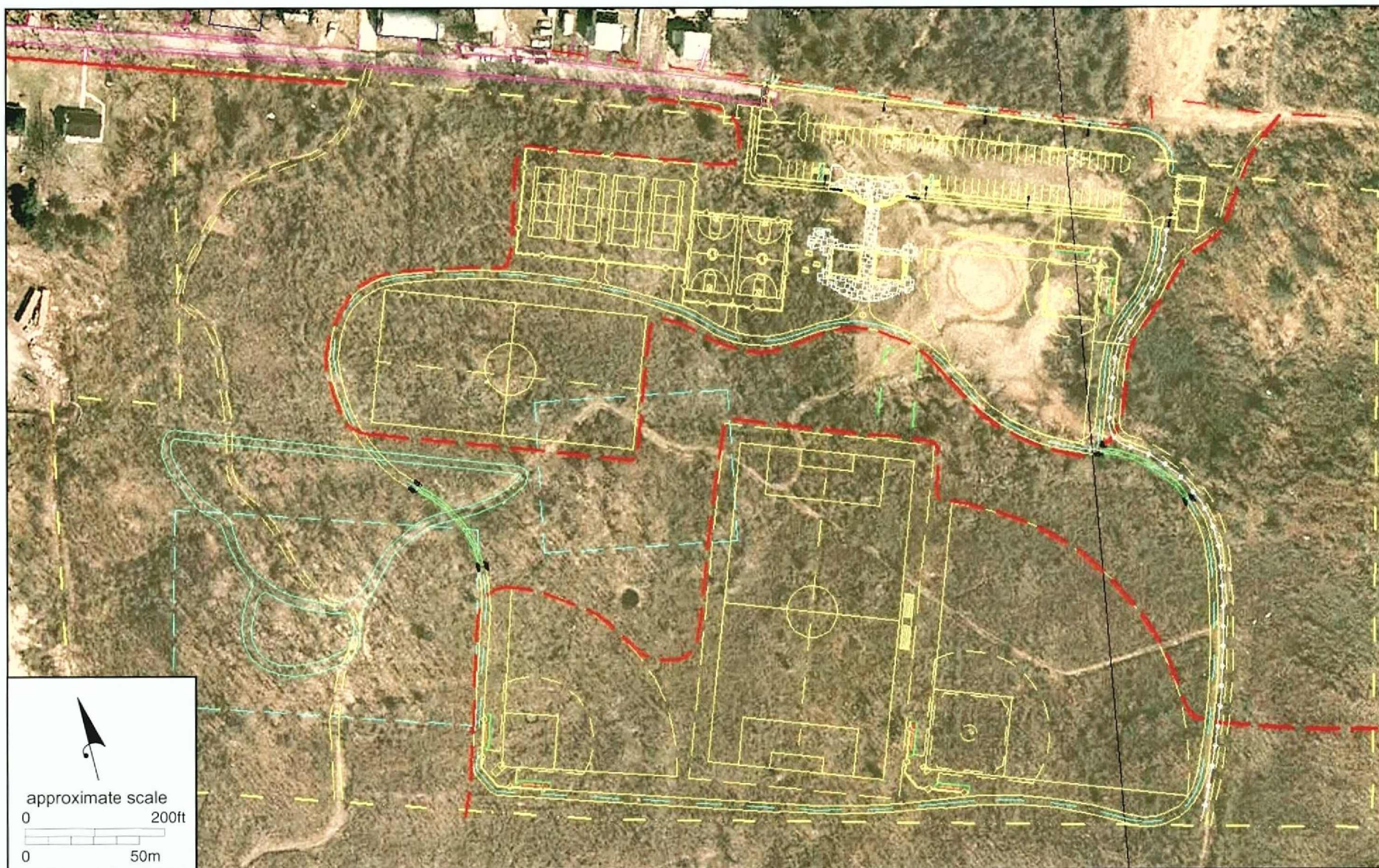


Figure 2. Recent aerial photograph showing proposed limits of clearing, proposed athletic fields, and other facilities within the Fairview Park Project Area.

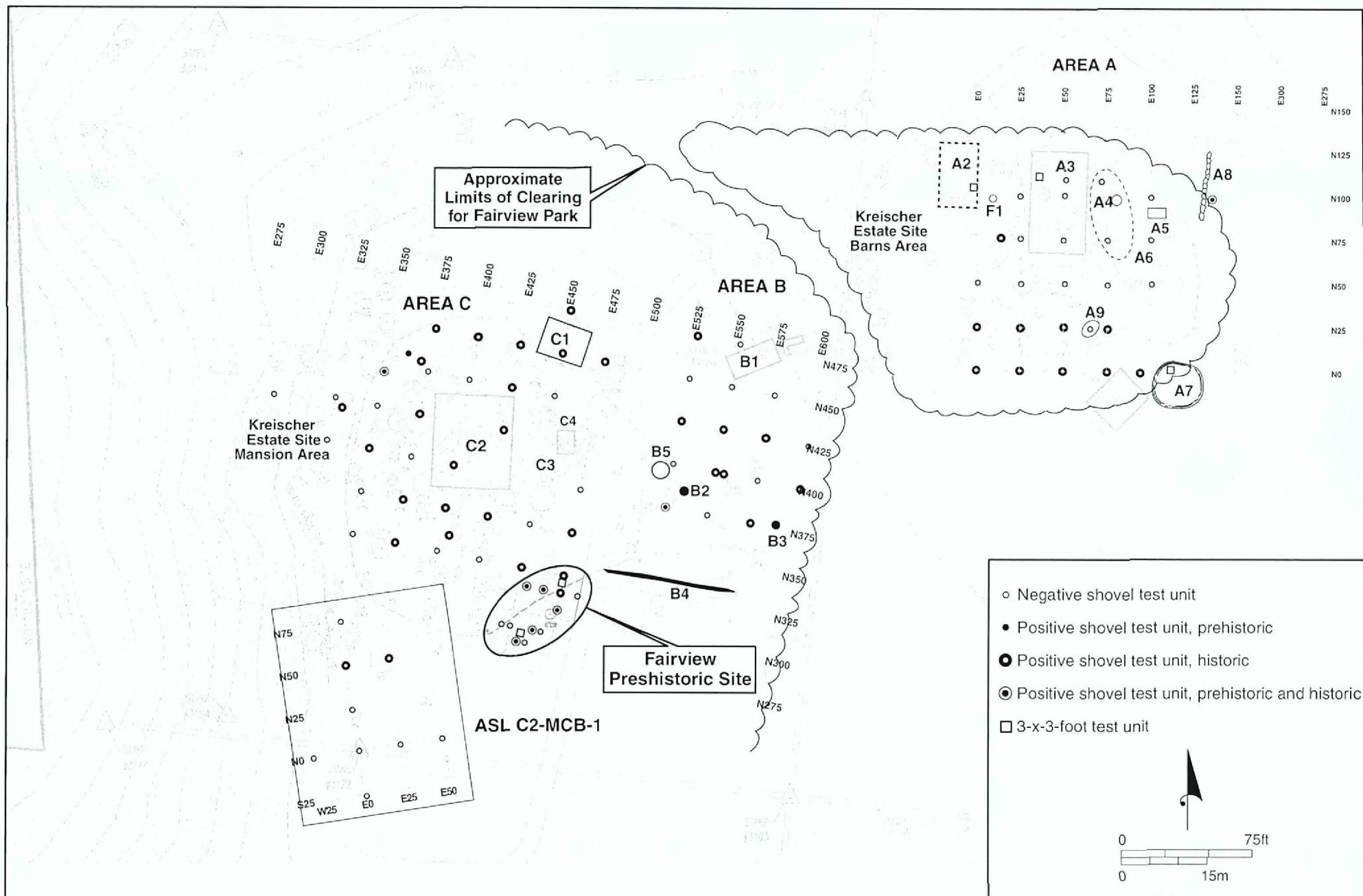


Figure 3. Plan of test units and archeological features at the Kreischer Estate Site and Fairview Prehistoric Site (modified from JMA 2000:Figure 17).

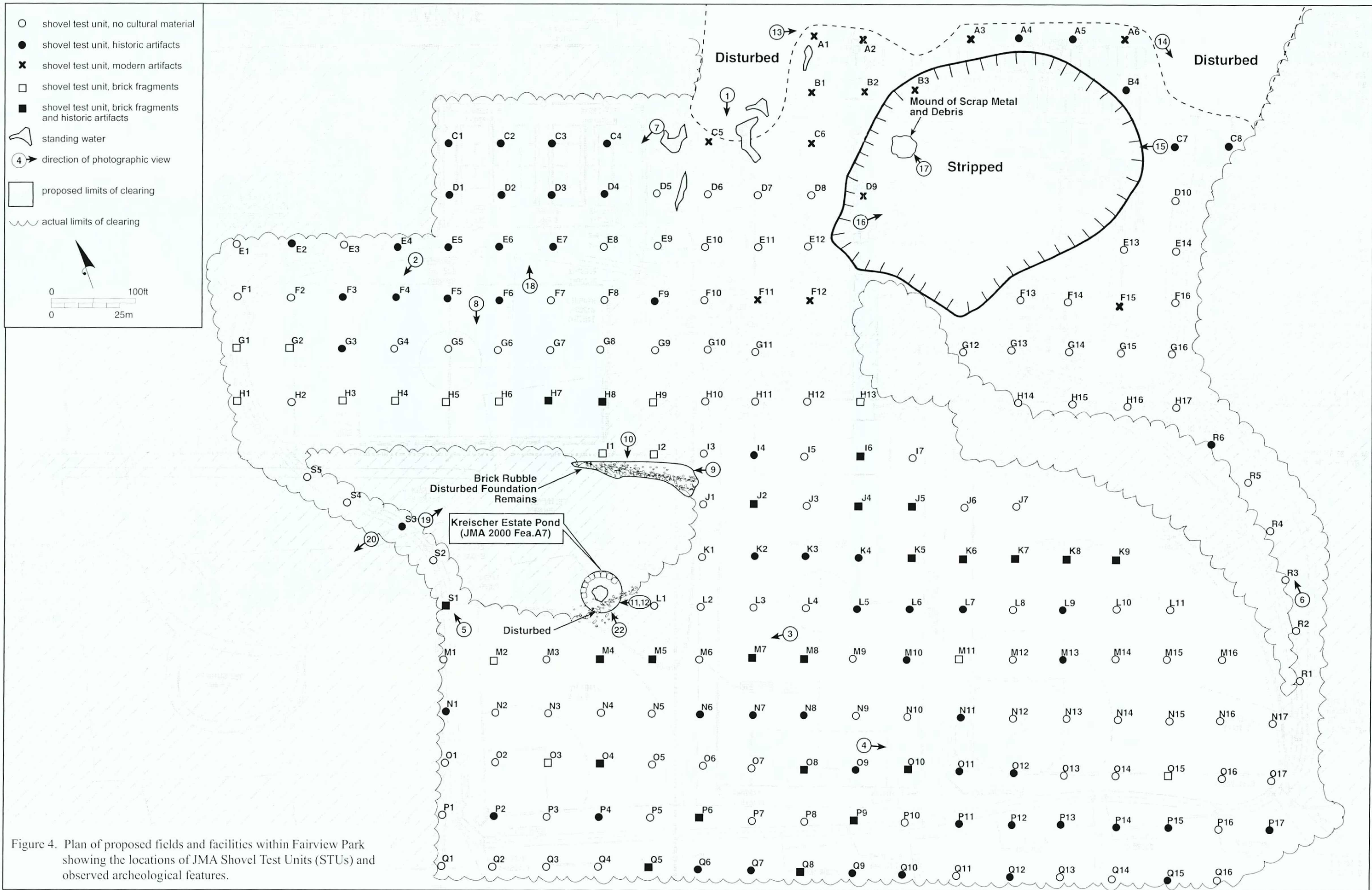


Figure 4. Plan of proposed fields and facilities within Fairview Park showing the locations of JMA Shovel Test Units (STUs) and observed archeological features.

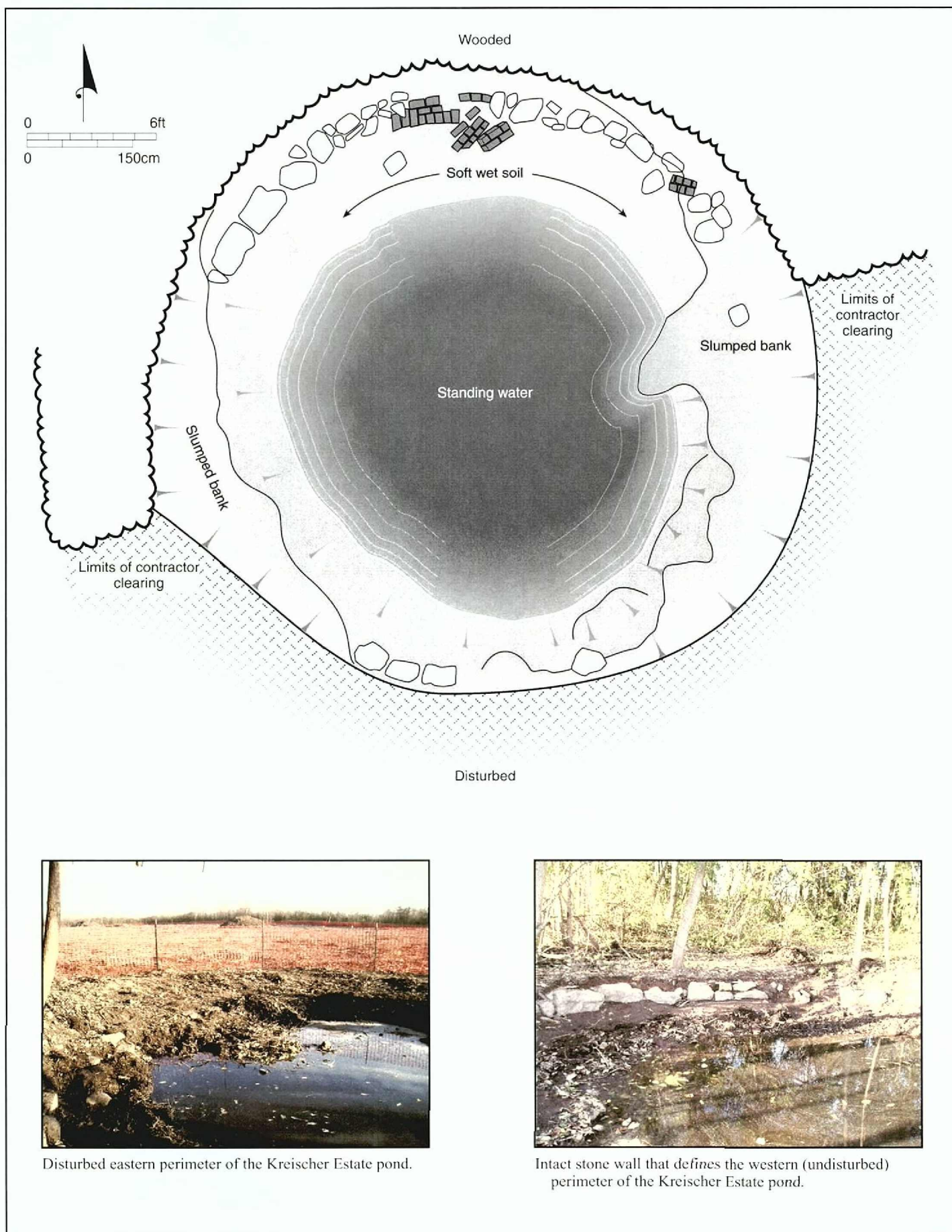


Figure 5. Field drawing depicting intact (northwestern) and disturbed (southeastern) perimeters of the Kreischer Estate pond.

PLATES



Plate 1. Existing conditions within the Fairview Park Project Area, from the entrance and parking area at Englewood Avenue; view to the south.



Plate 2. Existing conditions within the northwestern portion of the Project Area, from the vicinity of STU E4; view to the southwest.



Plate 3. Existing conditions within the southwestern portion of the Project Area, from the vicinity of STU M8; view to the west.



Plate 4. Existing conditions within the southeastern portion of the Project Area, from the vicinity of STU O9; view to the east.



Plate 5. Cleared route of proposed path that runs through the Kreischer Estate site (JMA Transect S); view to the north-northwest.



Plate 6. Cleared route of proposed path along the eastern perimeter of the Project Area (JMA Transect R); view to the northwest.



Plate 7. Example of ground disturbance associated with clearing-related activities and machine treads; view to the southwest.



Plate 8. Limits of clearing in the vicinity of the Kreischer Estate barn-foundation complex (within the tree-line); view to the south.



Plate 9. Detail of disturbed Kreischer Estate barn foundation (JMA 2000 Feature A8); view to the west.



Plate 10. Brick rubble associated with barn foundation disturbed during clearing activities; view to the south.



Plate 11. Kreischer Estate pond feature (JMA 2000 Feature A7) disturbed during clearing activities; view to the west.



Plate 12. Historic glass and ceramic vessel fragments uncovered within machine-tread ruts along the eastern perimeter of the Kreischer Estate pond; view to the west.



Plate 13. Existing conditions along the northern perimeter of the Project Area (JMA Transect A); view to the east.



Plate 14. Previously disturbed area in the northeastern portion of the Project Area; view to the southeast.



Plate 15. Stripped area located in the northeast portion of the Project Area; view to the west-southwest.



Plate 16. Stripped area located in the northeast portion of the Project Area; view to the northeast.



Plate 17. Mound of scrap metal and automobile parts consolidated during clearing activities in the northern portion of the Project Area; view to the north-northwest.



Plate 18. Cut-away embankments define the former entrance and driveway to the Kreischer Estate; view to the north.



Plate 19. Vegetation breaks define the former route of the driveway in the vicinity of the Kreischer Estate barn-foundations area; view to the northeast.



Plate 20. Vegetation breaks define the former route of the driveway in the vicinity of the Kreischer Estate mansion foundations; view to the southwest.



Plate 21. Base of a mold-blown bottle embossed with an "Iron Cross" recovered from the ground surface north of the Kreischer Estate site.



Plate 22. Cut-stone perimeter along the northwestern perimeter of the Kreischer Estate pond after cleaning excavation work by JMA; view to the north.



Plate 23. Semi-porcelain sherds with gilt rims and decal decorations recovered from the Kreischer Estate pond.



Plate 24. Embossed bottle fragments from local (Staten Island) brewers and bottlers recovered from the Kreischer Estate pond.

APPENDIX A:

**OPRHP ARCHEOLOGICAL SITE
INVENTORY FORMS**



NEW YORK STATE HISTORIC ARCHAEOLOGICAL SITE INVENTORY FORM
NYS OFFICE OF PARKS, RECREATION & HISTORIC PRESERVATION
(518) 237-8643

FOR OFFICE USE ONLY--SITE IDENTIFIER _____

Project Identifier Fairview Park Phase 1B Archeological Survey

Your Name Patrick J. Heaton
Address 1 Croton Point Avenue Croton-on-Hudson, NY 10520
Organization (if any) John Milner Associates, Inc.

Date March 2005
Phone (914) 271-0897

1. SITE IDENTIFIER(s) Balthasar Kreischer Estate ("Fairview") Ruins
2. COUNTY Richmond One of the following:
CITY
TOWNSHIP
INCORPORATED VILLAGE
UNINCORPORATED VILLAGE OR HAMLET

3. PRESENT OWNER New York City Department of Parks and Recreation
Address Olmstead Center, Flushing Meadows - Corona Park, Flushing, NY 11368

4. SITE DESCRIPTION (check all appropriate categories): Structure/site
Superstructure: complete ___ partial ___ collapsed ___ not evident X
Foundation: above X below X (ground level) not evident
X Structural subdivisions apparent ___ Only surface traces visible
___ Buried traces detected
List construction materials (be as specific as possible): mortared fieldstone and mortared brick

Grounds
___ Under cultivation ___ Sustaining erosion ___ Woodland ___ Upland
___ Never cultivated X Previously cultivated ___ Floodplain ___ Pastureland
Soil Drainage: excellent ___ good ___ fair ___ poor X
Distance to nearest water from structure (approx.)
Elevation: 100-125 feet AMSL

5. SITE INVESTIGATION (append additional sheets, if necessary):
Surface -- date (s) _____ Site map (submit with form*)
Collection
Subsurface -- date(s) Spring 1999, Spring 2000
Testing: shovel X coring ___ other ___ unit size
no. units 89 (Submit plan of units with form*)
Excavation: unit size 5 no. of units 3-foot-by-3-foot
(Submit plan of units with form*)
* Submission should be 8 1/2" by 11", if feasible

Investigator John Milner Associates, Inc. (Robert K. Fitts, Principal Investigator)

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

Historical Perspectives, Inc. (HPI) 1996 *Phase 1A Archaeological Assessment: Charleston Retail Center, Staten Island, New York*. Report on file, New York City Landmarks Preservation Commission.
John Milner Associates, Inc. (JMA) 2000 *Phase 1B/II Archeological Investigations of the Bricktown Centre at Charleston, Staten Island, New York*. Report on file, New York City Landmarks Preservation Commission.
John Milner Associates, Inc. (JMA) 2005 *Phase 1B Archeological Survey: Fairview Park, Staten Island, New York*. Report on file, New York City Landmarks Preservation Commission.

Present repository of materials:

The Barclay. John Milner Associates, Inc. 535 North Church Street. West Chester, PA 19380

6. SITE INVENTORY:

a. Date constructed or occupation period 1850s-1910s

b. Previous owners, if known Balthasar Kreischer

c. Modifications, if known

(append additional sheets, if necessary)

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

a. Historic map references

1) Name B. Kreischer Date 1859 Source Walling, H.F. (1859) Map of Staten Island, NY

Present location of original, if known

2) Name "Fairview" Date 1898 Source Robinson, E. (1898) Atlas of the Borough of Richmond, City of New York.

Present location of original, if known

b. Representation in existing photography

1) Photo date _____ Where located _____

2) Photo date _____ Where located _____

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

Abbott, Mabel (1949). Kresicherville: A Forgotten Chapter in Staten Island History. *Proceedings of the Staten Island Institute of Arts and Sciences* 11(2):31-43.

Bayles, Richard M. (1887). *History of Richmond County (Staten Island), New York*. L.E. Preston & Co., NY.

Morris, Ira K. (1900). *Morris's Memorial History of Staten Island, New York: Volume II*. Published by the author, West New Brighton, New York.

d. Persons with memory of site

1) Name _____ Address _____

2) Name _____ Address _____

8. LIST OF MATERIAL REMAINS OTHER THAN THOSE USED IN CONSTRUCTION (be as specific as possible in identifying object and material):

- extensive complex of foundation remains – houses, barns, water tower, troughs
- intact archeological features (e.g., cisterns)
- landscape features (pond, driveways)
- nineteenth-and-twentieth-century sheet midden (ceramic sherds and glass fragments)

If prehistoric materials are evident, check here and fill out prehistoric site form. X (The Fairview Prehistoric Site)

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

USGS 7½ Minute Series Quad. Name Arthur Kill, NY/NJ

For Office Use Only--UTM Coordinates

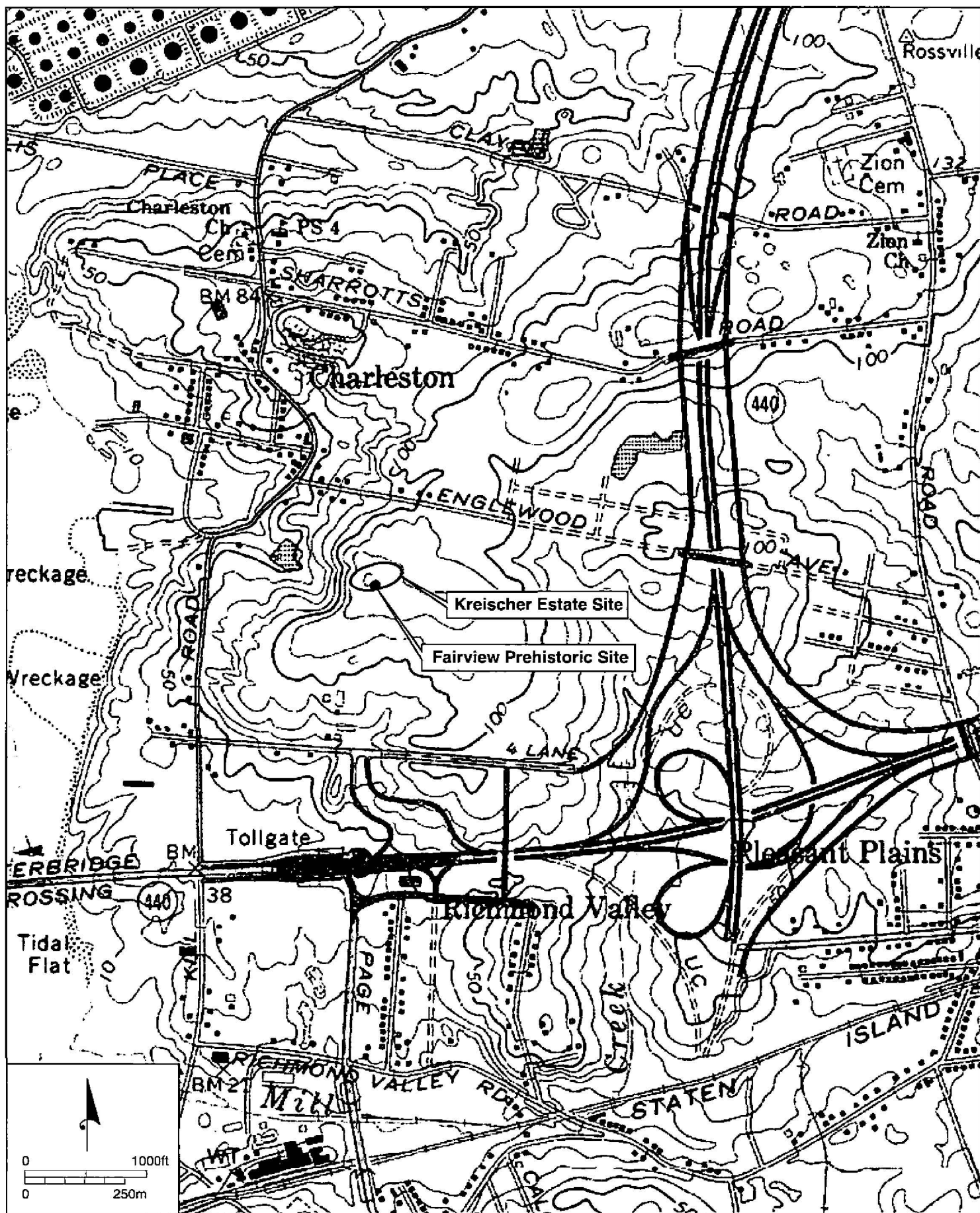
10. PHOTOGRAPHY (optional for environmental impact survey): Please submit a 5"x7" black and white print(s) showing the current state of the site. Provide a label for the print(s) on a separate sheet.

SITE DESCRIPTION:

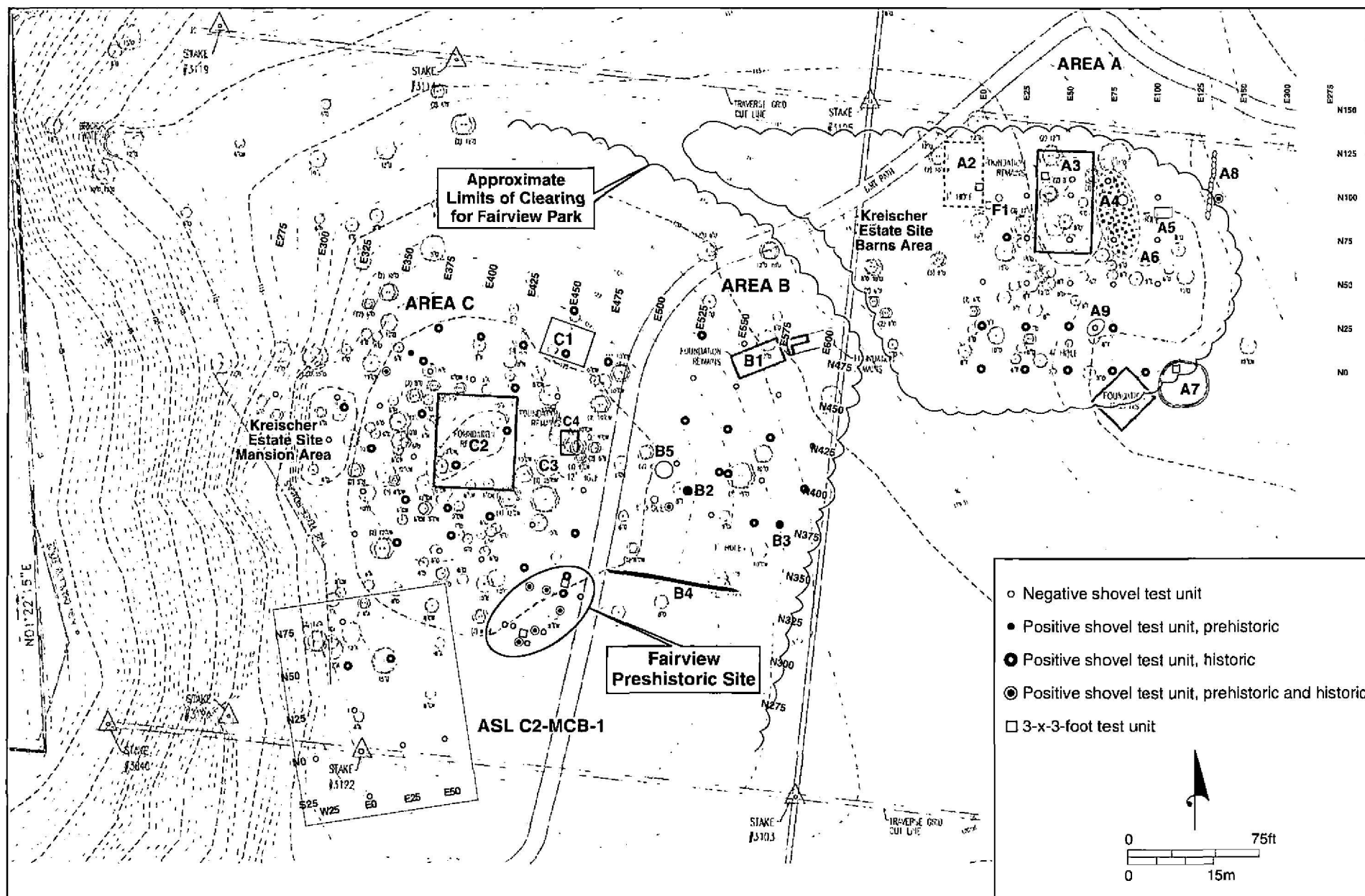
The site of the Kreischer Estate, or "Fairview," was identified during the Phase IA archeological assessment prepared for the proposed Bricktown Centre at Charleston (retail center) as a potentially significant historical resource (HPI 1996:23). Balthasar Kreischer, a German immigrant who became the country's leading manufacturer of fire-brick, built the estate during the mid-1850s. The Kreischer and Mumpton brick factory, originally located in Manhattan, was moved out to Staten Island in 1855. Fairview, the Kreischer family's home, was constructed about the same time as the factory and appears for the first time on an 1859 map of the area (HPI 1996:18). Balthasar Kreischer died in 1886. The estate was occupied until some time in the early-twentieth century, and was destroyed by fire in 1931.

JMA conducted Phase 2 fieldwork at the Kreischer Estate in the spring of 1999. A total of 18 features with visible surface remains were identified at the Kreischer Estate (Figure 3). These features included the main house foundation and associated structural remains, the complex of barns and other outbuildings located in the northeast section of the site, and a group of features representing possible agricultural outbuildings and/or structures associated with the Estate's water supply and plumbing systems located east of the main house foundation. JMA also excavated three grids of shovel test units (STUs), and five three-foot by three-foot excavation units (EUs) in selected areas within the site.

The integrity and distribution of the recovered artifact assemblage indicated that the Kreischer Estate is largely undisturbed and is likely to contain additional archeological deposits associated with the nineteenth-century occupation of the site. JMA concluded that the Kreischer Estate should be treated as a significant historic resource with the potential to contribute important information about the history of Staten Island.



Locations of the Kreischer Estate Site and the Fairview Prehistoric Site.



Plan of test units and archeological features at the Kreischer Estate Site and Fairview Prehistoric Site (modified from JMA 2000:Figure 17).



NEW YORK STATE PREHISTORIC ARCHAEOLOGICAL SITE INVENTORY FORM
NYS OFFICE OF PARKS, RECREATION & HISTORIC PRESERVATION
(518) 237-8643

FOR OFFICE USE ONLY--SITE IDENTIFIER _____

Project Identifier Fairview Park Phase 1B Archeological Survey

Your Name Patrick J. Heaton

Date March 2005

Address 1 Croton Point Avenue Croton-on-Hudson, NY 10520

Phone (914) 271-0897

Organization (if any) John Milner Associates, Inc.

1. SITE IDENTIFIER(S) Fairview Prehistoric Site (previously recorded as Canada Hill Site)

2. COUNTY Richmond One of the following: CITY

TOWNSHIP

INCORPORATED VILLAGE

UNINCORPORATED VILLAGE OR HAMLET

3. PRESENT OWNER New York City Department of Parks and Recreation

Address Olmstead Center, Flushing Meadows - Corona Park, Flushing, NY 11368

4. SITE DESCRIPTION (check all appropriate categories):

Site

☐ 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

☐ Single component

☐ Evidence of features

☐ Stratified

☐ Multicomponent

Location

☐ Under cultivation

☐ Never cultivated

☒ Previously cultivated

☐ Pastureland

☒ Woodland

☐ Floodplain

☐ Upland

☐ Sustaining erosion

Soil Drainage: excellent ☐ good ☐ fair ☐ poor ☒

Slope: flat ☐ gentle ☒ moderate ☐ steep

Distance to nearest water from site (approx.) 1500 feet (Mill Creek), 1800 feet (Arthur Kill)

Elevation: 120-125 feet AMSL

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

Surface--date(s)

☐ Site map (Submit with form)

☐ Collection

Subsurface--date(s) Spring 1999, Spring 2000

Testing: shovel ☒ coring ☐ other ☐ unit size

no. of units 15 (Submit plan of units with form)

Excavation: unit size 3-foot-by-3-foot no. of units 2

Investigator John Milner Associates, Inc. (Robert K. Fitts, Principal Investigator)

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

- Historical Perspectives, Inc. (HPI) 1996 *Phase 1A Archaeological Assessment: Charleston Retail Center, Staten Island, New York*. Report on file, New York City Landmarks Preservation Commission.
- John Milner Associates, Inc. (JMA) 2000 *Phase 1B/II Archeological Investigations of the Bricktown Centre at Charleston, Staten Island, New York*. Report on file, New York City Landmarks Preservation Commission.
- John Milner Associates, Inc. (JMA) 2005 *Phase 1B Archeological Survey: Fairview Park, Staten Island, New York*. Report on file, New York City Landmarks Preservation Commission.
- Boesch, Eugene J. (1994). *Archaeological Evaluation and Sensitivity Assessment of Staten Island, New York*. Report prepared for the New York City Landmarks Preservation Commission.
- Williams, Lorraine (1967). Canada Hill. *Metropolitan Area Archaeological Survey: Site Survey Sheet*. Department of Anthropology, New York University. On file with OPRHP Archeological Site Inventory Form A085.01.0073.

Present repository of materials

The Barclay. John Milner Associates, Inc. 535 North Church Street. West Chester, PA 19380

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

unidentified prehistoric

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

fire-cracked rock

lithic debitage (quartz, quartzite, jasper, chert, argillite)

If historic materials are evident, check here and fill out historic site form x (Balthasar Kreischer Estate Ruins)

8. MAP REFERENCES

USGS 7.5 Minute Series Quad. Name Arthur Kill, NY/NJ

UTM Coordinates

9. PHOTOGRAPHY

SITE DESCRIPTION:

In 1967 the Metropolitan Area Archaeological Survey (MAAS) recorded the location of the "Canada Hill" site (LPC Site 17; NYSM Site 770; OPRHP Site A085-01-0073; Boesch 1994; Williams 1967). A sketch map prepared as a component of the MAAS survey identifies three loci (indicating surface scatters of shell fragments), the westernmost of which appears to be in approximately the same location as the ruins of the Balthasar Kreischer Estate. The OPRHP *Archeological Site Inventory Form* provides the following information (from Williams 1967):

[Location:] In block bounded by Drumgoole Avenue, Arthur Kill Road, Englewood Avenue, and West Shore Expressway... [Description:] From the surface were recovered a fragment of kaolin pipe, a whelk column, quartz and chert chips, fragments of glazed ceramic, and fire-cracked rock. A light scatter of shell fragments (mostly clam) appeared on surface in areas marked on map. Five shallow test pits were dug, revealing a humus layer of about 2-3 inches, underlain by at least 1.5 feet of red clay... Numerous potholes attest to excavation by persons unknown.

In the Phase 1A report prepared for the proposed Charleston Retail Center, HPI (1996:13) determined that the name attributed to the site during the 1967 MAAS survey was erroneous:

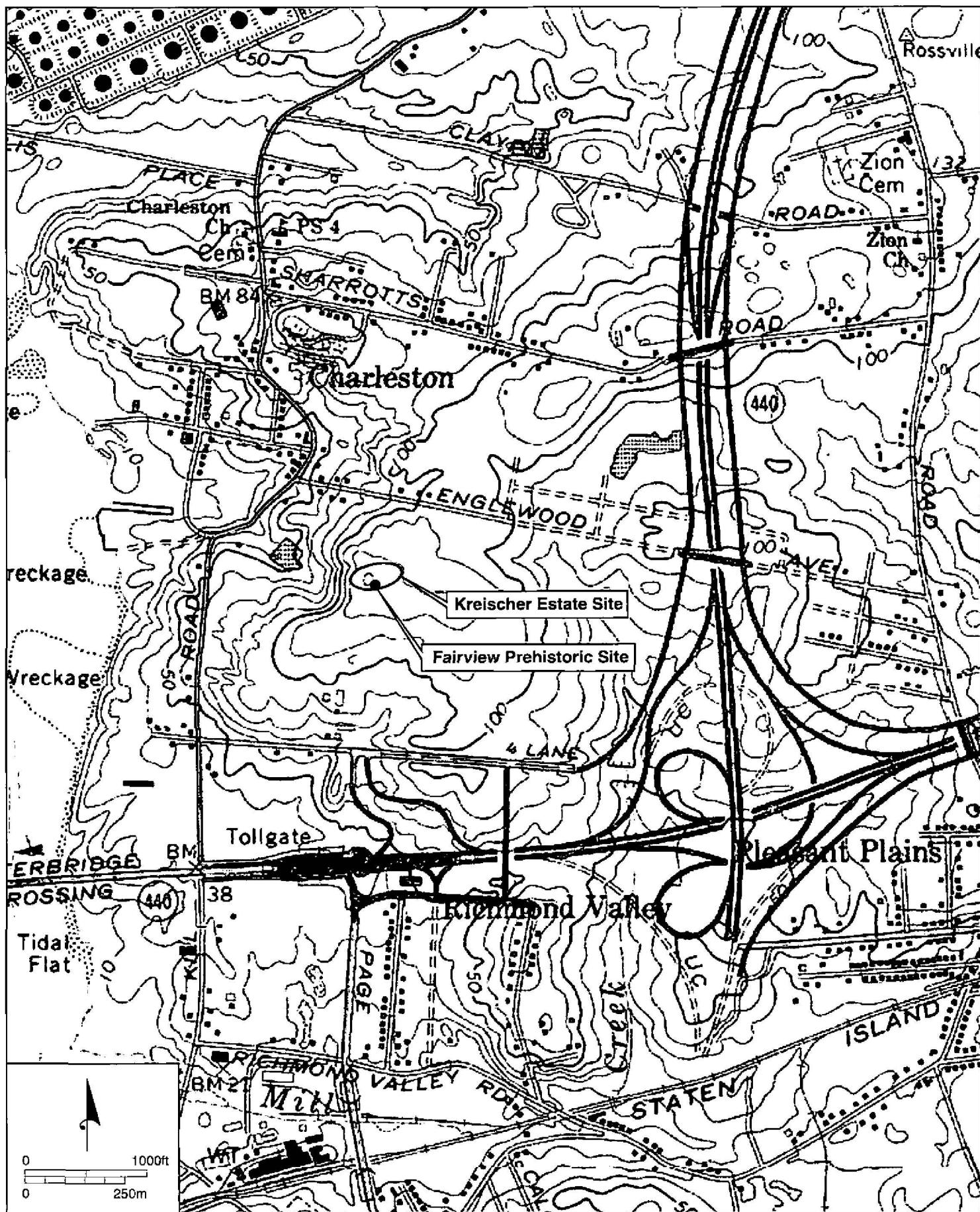
Of the sites identified in the site file search, the site numbered A085.01.0073 and located in the southeast corner of the project site, is of interest due to its name. The site is known as "Canada Hill." The naming of the site as Canada Hill appears erroneous as Canada Hill is located just north of the Staten Island Rapid Transit's Richmond Valley Station (Morris 1898:378; personal conversation with Edward Johnson, Curator of Natural Science, SIAS; personal conversation with Raymond Matarazzo, Assistant Curator of Natural Science, SIAS). Despite the problems with the site's name, the location of it inside the limits of the proposed construction accentuates the prehistoric potential of the project site.

Based on the location information provided in the HPI report, it appears that the actual location of "Canada Hill" (the landform) is approximately one-half mile south-southeast of the Kreischer Estate/Fairview Park Project Area, within the area bounded on the north by the Richmond Parkway/Outerbridge Crossing Toll Plaza, on the south by Amboy Road, and on the west by Page Avenue. Historical sources refer to the rise that the Kreischer Estate (and Fairview Park) is located on as Kreischer's Hill¹.

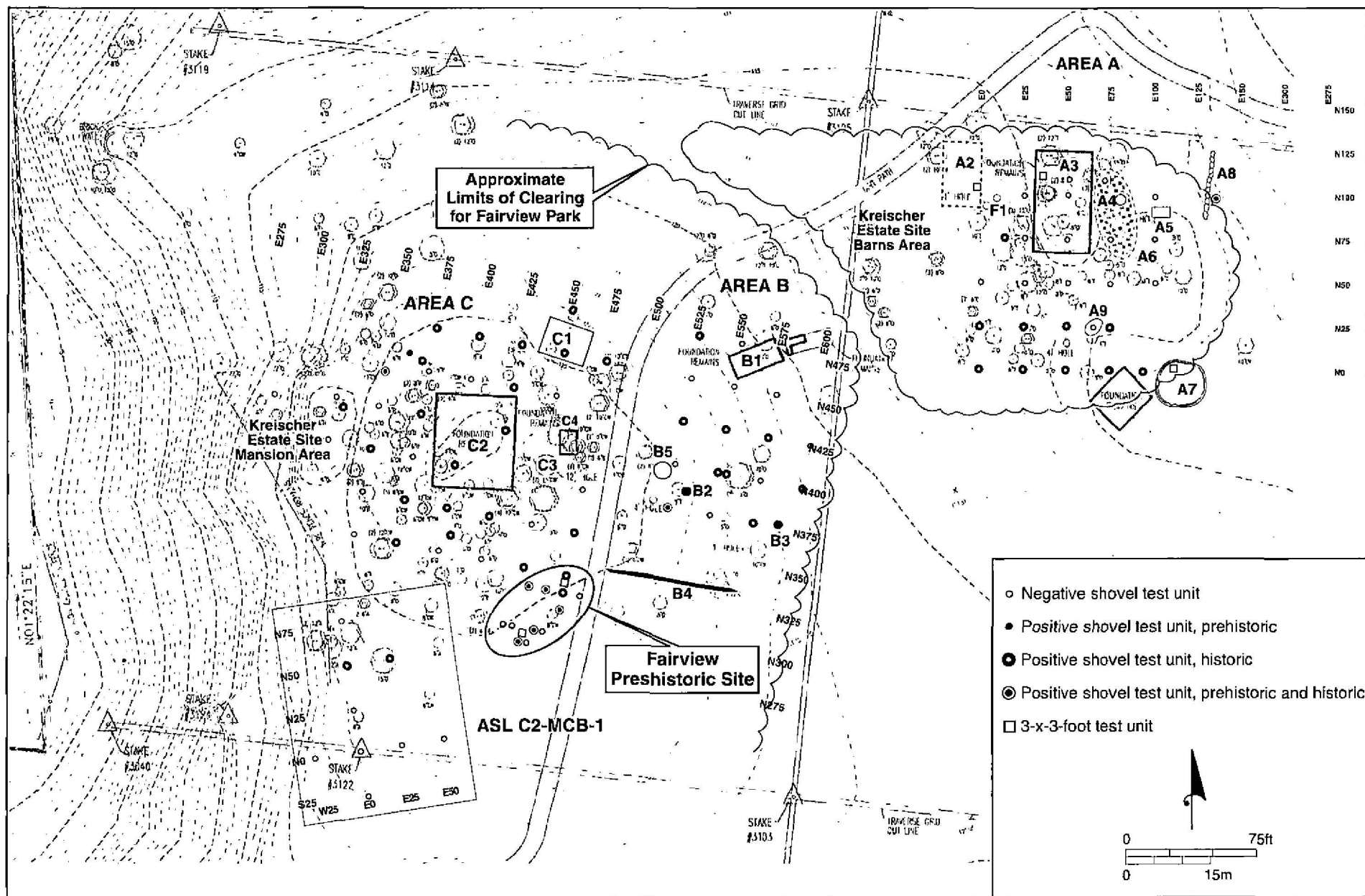
During the Phase 2 archeological investigations at the Kreischer Estate site (JMA 2000), prehistoric artifacts were recovered from test units located southeast of the foundation remains of the main house at the Kreischer Estate Site. Phase 2 fieldwork resulted in the recovery of numerous artifacts related to stone tool production. No diagnostic artifacts were recovered. Although most of the prehistoric material came from within a small 60-foot-by 40-foot area southeast of the remains of the main estate house, small quantities of prehistoric material were also recovered northwest and east of that location. The distribution of recovered materials suggests that the site may at one time have occupied the entire knoll, but was disturbed by the construction of the Kreischer mansion. Although the prehistoric site appears to have been partially disturbed by the nineteenth-century occupation of the site, the limited testing done by JMA suggests that at least portions of the site retain sufficient integrity to contribute important archeological data.

JMA believes that the prehistoric materials from the Kreischer Estate recovered during the 1999-2000 Phase 2 fieldwork represent one of the loci previously reported as the "Canada Hill" site. To avoid future confusion regarding site location and place names, JMA refers to this site as the Fairview Prehistoric Site.

¹ e.g., Morris, Ira K. (1898). *Morris's Memorial History of Staten Island. New York: Volume I.* Memorial Publishing Company, New York.



Locations of the Kreischer Estate Site and the Fairview Prehistoric Site.



Plan of test units and archeological features at the Kreischer Estate Site and Fairview Prehistoric Site (modified from JMA 2000:Figure 17).

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APPENDIX B:

SHOVEL TEST UNIT STRATIGRAPHIC RECORDS AND ARTIFACT INVENTORY

Phase 1B Archeological Survey:
Fairview Park, Staten Island, NY
John Milner Associates, Inc. - November 2004

Appendix B: Shovel Test Unit Stratigraphic Records and Artifact Inventory

STU	STRATUM	DEPTH (in. bgs)	SOIL DESCRIPTION	ARTIFACTS/COMMENTS
<u>Transect A</u>				
A1	I	0-2.5	10YR 4/2 dark grayish brown silty clay loam	Brick fragments, crushed stone (discarded)
A1	II	2.5-5	10YR 4/4 dark yellowish brown compact silt loam, fill deposit	Brick fragments, crushed stone (discarded)
A1	III	5-13	10YR 5/4 yellowish brown mottled with 7.5YR 5/8 strong brown silty clay, subsoil	No Cultural Material (NCM)
A2	I	0-2	10YR 4/2 dark grayish brown wet silty clay loam	Glass, metal hardware (discarded)
A2	II	2-6.5	10YR 4/4 dark yellowish brown compact silt loam, fill deposit	1 20th-century bottle glass (discarded)
A2	III	6.5-11	10YR 5/6 yellowish brown mottled with 7.5YR 4/6 strong brown compact silty clay	NCM
A3	I	0-3	10YR 4/2 dark grayish brown silty clay loam	Glass, brick fragments, crushed stone (discarded)
A3	II	3-6	10YR 4/4 dark yellowish brown silty clay	
A3	III	6-16	10YR 5/6 yellowish brown silty clay	NCM
A4	I	0-3	10YR 4/2 dark grayish brown silty clay loam	1 miscellaneous metal: decorative (Lot 1)
A4	II	3-8.5	10YR 4/4 dark yellowish brown silty clay	NCM
A4	III	8.5-12	7.5YR 5/8 strong brown silty clay, subsoil	NCM
A4	IV	12-15	5YR 4/6 yellowish red sandy clay, subsoil	NCM
A5	I	0-3.5	10YR 4/2 dark grayish brown silty clay loam	1 yellowware (1830-1930) (Lot 2)
A5	II	3.5-7	10YR 4/4 dark yellowish brown silty clay	NCM
A5	III	7-13	5YR 4/6 yellowish red sandy clay	NCM
A6	I	0-4	10YR 4/2 dark grayish brown silty clay loam	1 brick fragment, 1 coal (discarded)
A6	II	4-12.5	10YR 4/4 dark yellowish brown silty clay loam	NCM
A6	III	12.5-18	7.5YR 5/8 strong brown compact silty clay, subsoil	NCM
<u>Transect B</u>				
B1	I	0-5	10YR 4/4 dark yellowish brown compact silt loam, fill deposit	Brick, 20th-century bottle glass, crushed stone, asphalt (discarded)
B1	II	5-9	10YR 5/6 yellowish brown compact clay	NCM
B2	I	0-4	10YR 4/4 dark yellowish brown silty clay loam, fill deposit	2 metal, 1 20th-century bottle glass (discarded)
B2	II	4-12	10YR 7/2 light gray mottled with 10YR 6/8 brownish yellow clay	NCM

Phase 1B Archeological Survey:
Fairview Park, Staten Island, NY
John Milner Associates, Inc. - November 2004

Appendix B: Shovel Test Unit Stratigraphic Records and Artifact Inventory

STU	STRATUM	DEPTH (in. bgs)	SOIL DESCRIPTION	ARTIFACTS/COMMENTS
B3	I	0-6	10YR 4/4 dark yellowish brown silty clay loam, fill deposit	8 20th-century bottle glass (discarded)
B3	II	6-11	10YR 7/2 light gray mottled with 10YR 6/8 brownish yellow clay	NCM
B4	I	0-4	10YR 3/2 very dark grayish brown silty clay loam	3 20th-century bottle glass, 1 paving stone (discarded)
B4	II	4-12	7.5YR 5/4 brown silty clay loam	1 window glass (discarded)
B4	III	12-16	7.5YR 5/6 strong brown silty clay	NCM
<u>Transect C</u>				
C1	I	0-3	10YR 4/2 dark grayish brown silty clay loam	1 window glass (Lot 3)
C1	II	3-11	7.5YR 5/6 strong brown silty clay loam	1 20th-century bottle glass: amber, 1 window glass (Lot 4)
C1	III	11-19	5YR 4/4 reddish brown silty clay, subsoil	NCM
C2	I	0-4	10YR 4/2 dark grayish brown silty clay loam	9 20th-century bottle glass: amber, 2 UID bottle glass: aqua, 1 UID metal hardware, 2 window glass (Lot 5)
C2	II	4-12	7.5YR 5/6 strong brown silty clay loam, excavation terminated due to a rock impasse	1 UID bottle glass: aqua (Lot 6)
C3	I	0-4	10YR 4/2 dark grayish brown silty clay loam	2 blue fiestaware (1936-1969), 1 molded semi-porcelain: white, 1 UID bottle glass fragment: clear (Lot 7)
C3	II	4-14	7.5YR 5/6 strong brown silty clay loam	2 plain creamware (1770-1820), 1 plain whiteware, 1 UID bottle glass fragment: clear (Lot 8)
C3	III	14-19.5	5YR 4/4 reddish brown silty clay, subsoil	NCM
C4	I	0-7	10YR 4/2 dark grayish brown silty clay loam	1 ceramic hardware: drawer pull (Lot 9)
C4	II	7-12	10YR 5/4 yellowish brown silty clay	NCM
C5	I	0-5.5	10YR 4/2 dark grayish brown compact clay	20th-century bottle glass (discarded)
C5	II	5.5-10	10YR 5/6 yellowish brown wet clay	NCM
C6	I	0-4.5	10YR 4/4 dark yellowish brown silt loam	20th-century bottle glass, coke can (discarded)
C6	II	4.5-8	10YR 5/6 yellowish brown silty clay, subsoil	NCM
C7	I	0-8	10YR 4/3 brown silty clay loam	1 blue-transfer-print whiteware (1815-1915) (Lot 10)
C7	II	8-13	10YR 5/6 yellowish brown silty clay loam, subsoil	NCM

Phase 1B Archeological Survey:
Fairview Park, Staten Island, NY
John Milner Associates, Inc. - November 2004

Appendix B: Shovel Test Unit Stratigraphic Records and Artifact Inventory

STU	STRATUM	DEPTH (in. bgs)	SOIL DESCRIPTION	ARTIFACTS/COMMENTS
C8	I	0-3	10YR 4/4 dark yellowish brown silty clay loam	3 window glass (Lot 11)
C8	II	3-10.5	10YR 5/6 yellowish brown silty clay loam	1 UID bottle glass: cobalt blue, 3 window glass (Lot 12)
C8	III	10.5-16	10YR 5/6 yellowish brown silty clay, subsoil	NCM
<u>Transect D</u>				
D1	I	0-6.5	10YR 4/2 dark grayish brown silty clay loam	NCM
D1	II	6.5-10	5YR 4/6 yellowish red silty clay loam	1 window glass (Lot 13)
D1	III	10-16	5YR 5/6 yellowish red silty clay, subsoil	NCM
D2	I	0-2	10YR 3/4 dark yellowish brown sandy loam	1 20th-century bottle glass:amber, 1 UID bottle glass: black, 4 UID bottle glass: clear/white, 2 brick fragments, 1 fine-black-glaze redware (Lot 14)
D2	II	2-12	2.5YR 4/4 reddish brown silty clay loam	2 polychrome hand-painted whiteware (1830-1875), 1 gray stoneware w/ salt-glaze & Albany-slipped interior, 1 window glass (Lot 15)
D2	III	12-24	7.5YR 5/6 strong brown sand	NCM
D3	I	0-2	10YR 3/2 very dark grayish brown silt loam	2 UID bottle glass (discarded)
D3	II	2-8	10YR 4/3 brown silty clay loam	2 whiteware/ironstone, 1 UID bottle glass (discarded)
D3	III	8-15	5YR 6/6 reddish yellow clay	NCM
D4	I	0-5	10YR 3/2 very dark grayish brown silty clay loam	NCM
D4	II	5-10	10YR 4/3 brown silty clay	2 whiteware/ironstone, 1 UID bottle glass (discarded)
D4	III	10-17	7.5YR 5/4 brown silty clay, subsoil	NCM
D5	I	0-3.5	10YR 4/4 dark yellowish brown silty clay loam	NCM
D5	II	3.5-9	10YR 5/4 yellowish brown silty clay loam	NCM
D5	III	9-15	10YR 6/6 brownish yellow mottled with 10YR 7/2 light gray silty clay loam, subsoil	NCM
D6	I	0-4.5	10YR 4/4 dark yellowish brown clay loam	NCM
D6	II	4.5-11	10YR 5/6 yellowish brown clay	NCM
D7	I	0-6	10YR 4/3 brown silty clay loam	NCM

Phase IB Archeological Survey:
Fairview Park, Staten Island, NY
John Milner Associates, Inc. - November 2004

Appendix B: Shovel Test Unit Stratigraphic Records and Artifact Inventory

STU	STRATUM	DEPTH (in. bgs)	SOIL DESCRIPTION	ARTIFACTS/COMMENTS
D7	II	6-13	10YR 5/6 yellowish brown clay	NCM
D8	I	0-7	10YR 4/3 brown silty clay loam	NCM
D8	II	7-10	10YR 5/6 yellowish brown silty clay loam	NCM
D9	I	0-3	10YR 4/3 brown silty clay loam	Windshield glass (discarded)
D9	II	3-11	10YR 6/8 brownish yellow mottled with 10YR 7/2 light gray compact clay, subsoil	NCM
D10	I	0-2.5	10YR 4/2 dark grayish brown silty clay loam	NCM
D10	II	2.5-7.5	10YR 4/6 dark yellowish brown silty clay loam	NCM
D10	III	7.5-15	5YR 5/6 yellowish red silty clay, subsoil	NCM
<u>Transect E</u>				
E1	I	0-2.5	10YR 4/2 dark grayish brown silty clay loam	NCM
E1	II	2.5-8	5YR 5/4 reddish brown silty clay loam	NCM
E1	III	8-16	5YR 5/4 reddish brown compact silty clay, subsoil	NCM
E2	I	0-3	10YR 4/2 dark grayish brown silt loam	1 flat glass (discarded)
E2	II	3-11	10YR 4/3 brown silty clay loam	NCM
E2	III	11-15	5YR 5/4 reddish brown silty clay loam	NCM
E2	IV	15-22	5YR 5/4 reddish brown compact silty clay, subsoil	NCM
E3	I	0-3.5	10YR 4/2 dark grayish brown silt loam	NCM
E3	II	3.5-12	10YR 4/3 brown silty clay loam	NCM
E3	III	12-16.5	5YR 5/4 reddish brown compact silty clay, subsoil	NCM
E4	I	0-2.5	10YR 4/2 dark grayish brown silt loam	NCM
E4	II	2.5-10.5	10YR 4/6 dark yellowish brown silty clay loam	1 plain whiteware/ironstone (discarded)
E4	III	10.5-18	10YR 6/8 brownish yellow compact silty clay, subsoil	NCM
E5	I	0-4.5	10YR 4/2 dark grayish brown silt loam	1 plain whiteware/ironstone (discarded)
E5	II	4.5-9	10YR 4/6 dark yellowish brown silty clay loam	NCM
E5	III	9-12	10YR 6/8 brownish yellow silty clay loam	NCM
E5	IV	12-17.5	5YR 5/6 yellowish red compact silty clay, subsoil	NCM

Phase 1B Archeological Survey:
Fairview Park, Staten Island, NY
John Milner Associates, Inc. - November 2004

Appendix B: Shovel Test Unit Stratigraphic Records and Artifact Inventory

STU	STRATUM	DEPTH (in. bgs)	SOIL DESCRIPTION	ARTIFACTS/COMMENTS
E6	I	0-2.5	10YR 4/2 dark grayish brown silty clay loam	3 plain white ironstone, 2 UID bottle glass; green (Lot 16)
E6	II	2.5-11	10YR 6/8 brownish yellow silty clay loam	NCM
E6	III	11-16	5YR 5/6 yellowish red silty clay loam	NCM
E7	I	0-3.5	10YR 4/2 dark grayish brown silty clay loam	1 molded semi-porcelain; white (Lot 17)
E7	II	3.5-10	10YR 5/6 yellowish brown silty clay loam	NCM
E7	III	10-16.5	10YR 6/8 brownish yellow silty clay, subsoil	NCM
E8	I	0-2.5	10YR 4/2 dark grayish brown silty clay loam	NCM
E8	II	2.5-9	10YR 5/6 yellowish brown silty clay loam	NCM
E8	III	9-15	10YR 6/8 brownish yellow silty clay loam, subsoil	NCM
E9	I	0-3	10YR 4/2 dark grayish brown silty clay loam	NCM
E9	II	3-11.5	10YR 5/6 yellowish brown silty clay loam	NCM
E9	III	11.5-17	5YR 5/6 yellowish red silty clay, subsoil	NCM
E10	I	0-2	10YR 3/2 very dark grayish brown silty clay loam	NCM
E10	II	2-5	10YR 5/6 yellowish brown wet silty clay loam	NCM
E10	III	5-11	5YR 5/6 yellowish red silty clay, subsoil	NCM
E11	I	0-10.5	10YR 4/6 dark yellowish brown silty clay loam	NCM
E11	II	10.5-18	5YR 5/6 yellowish red silty clay, subsoil	NCM
E12	I	0-1.5	10YR 4/6 dark yellowish brown silty clay loam	NCM
E12	II	1.5-9	10YR 6/8 brownish yellow mottled with 10YR 7/2 light gray silty clay, subsoil	NCM
E13	I	0-9	10YR 4/6 dark yellowish brown silty clay loam	NCM
E13	II	9-17	10YR 5/8 yellowish brown sand and gravel	NCM
E14	I	0-2	10YR 4/2 dark grayish brown silty clay loam	NCM
E14	II	2-9	10YR 4/6 dark yellowish brown silty clay loam	NCM
E14	III	9-16.5	10YR 6/8 brownish yellow silty clay, subsoil	NCM

Phase IB Archeological Survey:
Fairview Park, Staten Island, NY
John Milner Associates, Inc. - November 2004

Appendix B: Shovel Test Unit Stratigraphic Records and Artifact Inventory

STU	STRATUM	DEPTH (in. bgs)	SOIL DESCRIPTION	ARTIFACTS/COMMENTS
Transect F				
F1	I	0-3	10YR 4/4 dark yellowish brown silty clay loam	NCM
F1	II	3-10	7.5YR 4/6 strong brown silty clay loam	NCM
F1	III	10-13	5YR 4/4 reddish brown silty clay, subsoil	NCM
F2	I	0-3	10YR 4/4 dark yellowish brown clay loam	NCM
F2	II	3-9	7.5YR 4/6 strong brown clay loam	NCM
F2	III	9-12	5YR 4/4 reddish brown clay	NCM
F3	I	0-5	10YR 4/4 dark yellowish brown clay loam	1 salt-glazed gray stoneware, 2 plain whiteware (Lot 18)
F3	II	5-7.5	7.5YR 4/6 strong brown clay loam	NCM
F3	III	7.5-15	5YR 4/4 reddish brown clay	NCM
F4	I	0-7.5	10YR 3/2 very dark grayish brown silt loam	1 UID bottle glass: clear/white (Lot 19)
F4	II	7.5-11	10YR 5/6 yellowish brown silty clay	NCM
F4	III	11-13	7.5YR 4/4 brown clay	NCM
F5	I	0-4	10YR 3/2 very dark grayish brown silty clay loam	1 plain whiteware (Lot 20)
F5	II	4-10	10YR 4/3 brown clay loam	NCM
F5	III	10-15	10YR 5/6 yellowish brown silty clay, subsoil	NCM
F6	I	0-5.5	10YR 3/2 very dark grayish brown silty clay loam	13 redware (flowerpot), 3 20th-century bottle glass: green, 3 UID bottle glass: cobalt blue, 3 UID bottle glass: clear/yellow-tint, 4 window glass (Lot 21)
F6	II	5.5-10	10YR 4/6 dark yellowish brown silty clay	1 ironstone/graniteware: white, 5 20th-century bottle glass: green, 2 20th-century bottle glass: amber, 1 UID bottle glass: cobalt blue, 3 UID bottle glass: clear/yellow-tint (Lot 22)
F6	III	10-15	10YR 5/2 grayish brown silty clay, subsoil	NCM
F7	I	0-3	10YR 3/2 very dark grayish brown silty clay loam	NCM
F7	II	3-9	10YR 4/6 dark yellowish brown clay loam	NCM
F7	III	9-15.5	5YR 5/4 reddish brown compact silty clay, subsoil	NCM
F8	I	0-2.5	10YR 4/2 dark grayish brown silty clay loam	NCM
F8	II	2.5-9.5	10YR 5/6 yellowish brown clay loam	NCM

Phase 1B Archeological Survey:
Fairview Park, Staten Island, NY
John Milner Associates, Inc. - November 2004

Appendix B: Shovel Test Unit Stratigraphic Records and Artifact Inventory

STU	STRATUM	DEPTH (in. bgs)	SOIL DESCRIPTION	ARTIFACTS/COMMENTS
F9	III	12.5-19	10YR 6/6 brownish yellow mottled with 10YR 7/2 light gray silty clay, subsoil	NCM
F10	I	0-4.5	10YR 4/2 dark grayish brown silty clay loam	NCM
F10	II	4.5-11	10YR 5/6 yellowish brown clay loam	NCM
F10	III	11-17	10YR 6/6 brownish yellow compact silty clay, subsoil	NCM
F11	I	0-3	10YR 3/1 very dark gray silty clay loam	NCM
F11	II	3-12	10YR 4/2 dark grayish brown silty clay loam	20th-century bottle glass: amber (discarded)
F11	III	12-16	10YR 5/6 yellowish brown compact silty clay, subsoil	NCM
F12	I	0-3	10YR 3/1 very dark gray silty clay loam	UID bottle glass (discarded)
F12	II	3-10	10YR 4/2 dark grayish brown compact silty clay loam	UID bottle glass (discarded)
F12	III	10-16	5YR 5/6 yellowish red compact silty clay	NCM
F13	I	0-15	10YR 4/2 dark grayish brown silty clay loam	NCM
F13	II	15-19	5YR 4/6 yellowish red compact silty clay	NCM
F14	I	0-10	10YR 4/2 dark grayish brown silty clay loam	NCM
F14	II	10-17	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
F15	I	0-2	10YR 4/6 dark yellowish brown silty clay loam	UID bottle glass (discarded)
F15	II	2-12	10YR 4/2 dark grayish brown silty clay loam	NCM
F15	III	12-16	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
F16	I	0-3	10YR 3/1 very dark gray silty clay loam	NCM
F16	II	3-10	10YR 4/6 dark yellowish brown silty clay loam	NCM
F16	III	10-17	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
<u>Transect G</u>				
G1	II	3-8	10YR 4/6 dark yellowish brown silty clay loam	Brick fragments (discarded)
G1	III	8-16	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
G2	I	0-5	10YR 4/2 dark grayish brown silty clay loam	Brick fragments (discarded)
G2	II	5-8	10YR 3/1 very dark gray silty clay loam	NCM

Phase 1B Archeological Survey:
Fairview Park, Staten Island, NY
John Milner Associates, Inc. - November 2004

Appendix B: Shovel Test Unit Stratigraphic Records and Artifact Inventory

STU	STRATUM	DEPTH (in. bgs)	SOIL DESCRIPTION	ARTIFACTS/COMMENTS
G2	III	8-13	10YR 4/6 dark yellowish brown silty clay loam	NCM
G2	IV	13-17	10YR 6/6 brownish yellow compact silty clay, subsoil	NCM
G3	I	0-3	10YR 4/2 dark grayish brown silty clay loam	NCM
G3	II	3-8	10YR 4/6 dark yellowish brown silty clay loam	I molded whiteware (Lot 24)
G3	III	8-16	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
G4	I	0-4	10YR 3/1 very dark gray silty clay loam	NCM
G4	II	4-7	10YR 4/2 dark grayish brown silty clay loam	NCM
G4	III	7-15	10YR 6/6 brownish yellow compact silty clay, subsoil	NCM
G5	I	0-3	10YR 4/2 dark grayish brown silty clay loam	NCM
G5	II	3-8	10YR 4/6 dark yellowish brown silty clay loam	NCM
G5	III	8-14	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
G6	I	0-3	10YR 3/1 very dark gray silty clay loam	NCM
G6	II	3-6	10YR 4/2 dark grayish brown silty clay loam	NCM
G6	III	6-14	10YR 6/6 brownish yellow compact silty clay, subsoil	NCM
G7	I	0-5	10YR 3/1 very dark gray silty clay loam	NCM
G7	II	5-7	Gley 1 3/N very dark gray charcoal	NCM
G7	III	7-13	10YR 3/3 dark brown silty clay loam	NCM
G7	IV	13-17	10YR 6/6 brownish yellow silty clay, subsoil	NCM
G8	I	0-4	10YR 3/1 very dark gray silty clay loam	NCM
G8	II	4-16	10YR 6/6 brownish yellow compact silty clay, subsoil	NCM
G9	I	0-3	10YR 3/1 very dark gray silty clay loam	NCM
G9	II	3-16	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
G10	I	0-2	10YR 3/1 very dark gray silty clay loam	NCM
G10	II	2-8	10YR 3/3 dark brown silty clay loam	NCM
G10	III	8-15	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
G11	I	0-4	10YR 3/1 very dark gray silty clay loam	NCM

Phase IB Archeological Survey:
Fairview Park, Staten Island, NY
John Milner Associates, Inc. - November 2004

Appendix B: Shovel Test Unit Stratigraphic Records and Artifact Inventory

STU	STRATUM	DEPTH (in. bgs)	SOIL DESCRIPTION	ARTIFACTS/COMMENTS
G11	II	4-13	10YR 4/2 dark grayish brown silty clay loam	NCM
G11	III	13-18	10YR 5/6 yellowish brown compact silty clay, subsoil	NCM
G12	I	0-4	10YR 5/6 yellowish brown silty clay loam	NCM
G12	II	4-9	10YR 6/8 brownish yellow mottled with 10YR 7/2 light gray compact silty clay, subsoil	NCM
G13	I	0-2	10YR 5/6 yellowish brown silty clay loam	NCM
G13	II	2-9.5	5YR 5/4 reddish brown compact silty clay, subsoil	NCM
G14	I	0-17	10YR 5/6 yellowish brown silty clay loam	NCM
G14	II	17-24	10YR 6/4 light yellowish brown compact silty clay, subsoil	NCM
G15	I	0-4	10YR 4/2 dark grayish brown silty clay loam	NCM
G15	II	4-17	10YR 5/6 yellowish brown silty clay loam	NCM
G15	III	17-22.5	10YR 6/4 light yellowish brown mottled with 5YR 5/4 reddish brown silty clay, subsoil	NCM
G16	I	0-4	10YR 7/2 light gray silty clay loam	NCM
G16	II	4-13	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
<u>Transect H</u>				
H1	I	0-4	10YR 3/2 very dark grayish brown silty clay loam	Brick fragments (discarded)
H1	II	4-10	10YR 4/2 dark grayish brown silty clay loam	NCM
H1	III	10-16	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
H2	I	0-4	10YR 2/1 black silty clay loam	NCM
H2	II	4-16	10YR 4/2 dark grayish brown silty clay loam	NCM
H2	III	16-20	10YR 4/6 dark yellowish brown silty clay, subsoil	NCM
H3	I	0-2	10YR 3/2 very dark grayish brown silty clay loam	Brick fragments (discarded)
H3	II	2-10	10YR 4/2 dark grayish brown silty clay loam	NCM
H3	III	10-14	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
H4	I	0-2	10YR 3/2 very dark grayish brown silty clay loam	NCM

Phase 1B Archeological Survey:
Fairview Park, Staten Island, NY
John Milner Associates, Inc. - November 2004

Appendix B: Shovel Test Unit Stratigraphic Records and Artifact Inventory

STU	STRATUM	DEPTH (in. bgs)	SOIL DESCRIPTION	ARTIFACTS/COMMENTS
H4	II	2-10	10YR 4/2 dark grayish brown silty clay loam	Brick fragments (discarded)
H4	III	10-16	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
H5	I	0-6	10YR 3/2 very dark grayish brown silty clay loam	Brick fragments (discarded)
H5	II	6-7	10YR 2/1 black charcoal	NCM
H5	III	7-17	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
H6	I	0-4	10YR 2/1 black silty clay loam	Brick fragments (discarded)
H6	II	4-7	7.5YR 5/6 strong brown sandy loam	NCM
H6	III	7-16	5YR 5/6 yellowish red silty clay, subsoil	NCM
H7	I	0-6	10YR 3/2 very dark grayish brown silty clay loam	Brick fragments (discarded)
H7	II	6-12	10YR 5/6 yellowish brown silty clay loam	UID bottle glass (discarded)
H7	III	12-16	5YR 5/6 yellowish red silty clay, subsoil	NCM
H8	I	0-4	10YR 3/2 very dark grayish brown silty clay loam	1 ceramic (agateware) hardware: drawer pull, 1 blue-transfer-print whiteware (1815-1915) (Lot 25)
H8	II	4-15	10YR 4/6 dark yellowish brown silty clay, subsoil	Brick fragments (discarded)
H9	I	0-4	10YR 4/2 dark grayish brown silty clay loam	Brick fragments (discarded)
H9	II	4-10	10YR 4/6 dark yellowish brown silty clay	NCM
H9	III	10-16	5YR 5/6 yellowish red silty clay, subsoil	NCM
H10	I	0-7	10YR 3/2 very dark grayish brown silty clay loam	NCM
H10	II	7-8	10YR 2/1 black silty clay	NCM
H10	III	8-1	10YR 4/6 dark yellowish brown silty clay, subsoil	NCM
H11	I	0-4	10YR 3/2 very dark grayish brown silty clay loam	NCM
H11	II	4-12	10YR 4/2 dark grayish brown silty clay loam	NCM
H11	III	12-16	10YR 4/6 dark yellowish brown silty clay, subsoil	NCM
H12	I	0-8	10YR 3/2 very dark grayish brown silty clay loam	NCM
H12	II	8-16	10YR 4/6 dark yellowish brown silty clay, subsoil	NCM
H13	I	0-6	10YR 4/2 dark grayish brown silty clay loam	Brick fragments (discarded)

Phase 1B Archeological Survey:
Fairview Park, Staten Island, NY
John Milner Associates, Inc. - November 2004

Appendix B: Shovel Test Unit Stratigraphic Records and Artifact Inventory

STU	STRATUM	DEPTH (in. bgs)	SOIL DESCRIPTION	ARTIFACTS/COMMENTS
H13	II	6-16	10YR 4/6 dark yellowish brown silty clay, subsoil	NCM
H14	I	0-2	10YR 4/2 dark grayish brown silty clay loam	NCM
H14	II	2-10	10YR 4/6 dark yellowish brown silty clay, subsoil	NCM
H15	I	0-4	10YR 4/2 dark grayish brown silty clay loam	NCM
H15	II	4-11	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
H16	I	0-2	10YR 3/2 very dark grayish brown silty clay loam	NCM
H16	II	2-12	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
H17	I	0-5	10YR 4/2 dark grayish brown silty clay loam	NCM
H17	II	5-12	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
<u>Transect I</u>				
II	I	0-4	10YR 2/1 black silt loam	Coal, 2 flat glass, mortar (discarded)
II	II	4-12	10YR 4/6 dark yellowish brown silty clay loam	1 clear-glaze redware, 1 mortar fragment (Lot 26)
II	III	12-17.5	10YR 5/6 yellowish brown clay loam	NCM
II	IV	17.5-22.5	10YR 6/8 brownish yellow compact clay, subsoil	NCM
12	I	0-4	10YR 4/6 dark yellowish brown silty clay loam	Mortar fragments (discarded)
12	II	4-10	10YR 6/8 brownish yellow mottled with 10YR 7/2 light gray compact clay, subsoil	NCM
13	I	0-3	10YR 4/6 dark yellowish brown wet silty clay loam	NCM
13	II	3-9	10YR 5/6 yellowish brown compact clay loam	NCM
14	I	0-5	10YR 4/3 brown silty clay loam	1 plain white porcelain, 1 window glass, 1 UID bottle glass: clear (Lot 27)
14	II	5-13.5	10YR 5/6 yellowish brown clay loam	NCM
14	III	13.5-18	5YR 5/4 reddish brown compact clay, subsoil	NCM
15	I	0-3.5	10YR 4/3 brown silty clay loam	NCM
15	II	3.5-17	10YR 5/6 yellowish brown silty clay loam	NCM
15	III	17-22.5	10YR 6/8 brownish yellow compact clay, subsoil	NCM

Phase 1B Archeological Survey:
Fairview Park, Staten Island, NY
John Milner Associates, Inc. - November 2004

Appendix B: Shovel Test Unit Stratigraphic Records and Artifact Inventory

STU	STRATUM	DEPTH (in. bgs)	SOIL DESCRIPTION	ARTIFACTS/COMMENTS
16	I	0-4	10YR 3/2 very dark grayish brown silty clay loam	Brick fragments, 1 plain whiteware/ironstone (discarded)
16	II	4-17	10YR 4/2 dark grayish brown silty clay loam	NCM
16	III	17-20	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
17	I	0-4.5	10YR 4/2 dark grayish brown silty clay loam	NCM
17	II	4.5-14	10YR 5/6 yellowish brown silty clay loam	NCM
17	III	14-16	10YR 6/6 brownish yellow compact silty clay, excavation terminated due to a rock impasse	NCM
<u>Transect J</u>				
J1	I	0-4	10YR 3/2 very dark grayish brown silty clay loam	NCM
J1	II	4-14	10YR 5/6 yellowish brown silty clay, subsoil	NCM
J2	I	0-6	10YR 3/2 very dark grayish brown silty clay loam	Brick fragments, 1 plain whiteware/ironstone (discarded)
J2	III	6-15	10YR 5/6 yellowish brown silty clay, subsoil	NCM
J3	I	0-5	10YR 2/1 black silty clay	NCM
J3	II	5-9	10YR 4/3 brown silty clay loam	NCM
J3	III	9-15	10YR 5/6 yellowish brown silty clay, subsoil	NCM
J4	I	0-6	10YR 2/1 black silty clay	Brick fragments, UID glass (discarded)
J4	II	6-10	10YR 4/3 brown silty clay loam	NCM
J4	III	10-16	5YR 5/6 yellowish red silty clay, subsoil	NCM
J5	I	0-4	10YR 2/1 black silty clay	Brick fragments, 1 plain whiteware/ironstone, UID glass (discarded)
J5	II	4-8	10YR 4/3 brown silty clay loam	NCM
J5	III	8-15	5YR 5/6 yellowish red silty clay, subsoil	NCM
J6	I	0-9	10YR 3/2 very dark grayish brown silty clay loam	NCM
J6	II	9-14	10YR 5/6 yellowish brown silty clay, subsoil	NCM
J7	I	1-13	10YR 4/3 brown silty clay, subsoil	NCM
J7	I	0-1	10YR 3/2 very dark grayish brown silty clay loam	NCM

Phase 1B Archeological Survey:
Fairview Park, Staten Island, NY
John Milner Associates, Inc. - November 2004

Appendix B: Shovel Test Unit *Stratigraphic* Records and Artifact Inventory

STU	STRATUM	DEPTH (in. bgs)	SOIL DESCRIPTION	ARTIFACTS/COMMENTS
<u>Transect K</u>				
K1	I	0-7	10YR 3/2 very dark grayish brown silty clay loam	NCM
K1	II	7-12	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
K2	I	0-5	10YR 3/2 very dark grayish brown silty clay loam	UID bottle glass (discarded)
K2	II	5-16	10YR 5/6 yellowish brown compact silty clay, subsoil	NCM
K3	I	0-4	10YR 3/2 very dark grayish brown silty clay loam	1 plain whiteware/ironstone (discarded)
K3	II	4-16	10YR 5/6 yellowish brown compact silty clay, subsoil	NCM
K4	I	0-5	10YR 3/2 very dark grayish brown silty clay loam	1 plain whiteware/ironstone (discarded)
K4	II	5-14	10YR 5/6 yellowish brown compact silty clay, subsoil	NCM
K5	I	0-3	10YR 4/6 dark yellowish brown silty clay loam	Brick fragments, 1 whiteware/ironstone, UID glass (discarded)
K5	II	3-15	10YR 5/6 yellowish brown compact silty clay, subsoil	NCM
K6	I	0-6	10YR 4/6 dark yellowish brown silty clay loam	Brick fragments, 1 whiteware/ironstone, UID glass (discarded)
K6	II	6-11	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
K7	I	0-9	10YR 4/6 dark yellowish brown silty clay loam	Brick fragments, 1 plain whiteware/ironstone (discarded)
K7	II	9-14	10YR 5/6 yellowish brown compact silty clay, subsoil	NCM
K8	I	0-4	10YR 4/6 dark yellowish brown silty clay loam	Brick fragments, 1 plain whiteware/ironstone (discarded)
K8	II	4-17	10YR 5/6 yellowish brown compact silty clay, subsoil	NCM
K9	I	0-3	10YR 3/2 very dark grayish brown silty clay loam	Brick fragments, 1 plain whiteware/ironstone (discarded)
K9	II	3-8	10YR 4/6 dark yellowish brown silty clay loam	NCM
K9	III	8-16	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
<u>Transect L</u>				
L1	I	0-4	10YR 3/2 very dark grayish brown wet silt loam	NCM
L1	II	4-13	10YR 5/6 yellowish brown silty clay loam	NCM
L2	I	0-4	10YR 3/2 very dark grayish brown wet silt loam	NCM

Phase 1B Archeological Survey:
Fairview Park, Staten Island, NY
John Milner Associates, Inc. - November 2004

Appendix B: Shovel Test Unit Stratigraphic Records and Artifact Inventory

STU	STRATUM	DEPTH (in. bgs)	SOIL DESCRIPTION	ARTIFACTS/COMMENTS
L2	II	4-17	10YR 5/6 yellowish brown silty clay loam	NCM
L3	I	0-3	10YR 3/2 very dark grayish brown wet silt loam	NCM
L3	II	3-15	10YR 5/6 yellowish brown silty clay loam	NCM
L4	I	0-3	10YR 3/2 very dark grayish brown wet silt loam	NCM
L4	II	3-16	10YR 5/6 yellowish brown silty clay loam	NCM
L5	I	0-3	10YR 3/2 very dark grayish brown wet silt loam	3 hand-painted whiteware; molded (Lot 28)
L5	II	3-14	10YR 5/6 yellowish brown silty clay loam	NCM
L6	I	0-5	10YR 3/2 very dark grayish brown wet silt loam	UID bottle glass (discarded)
L6	II	5-15	10YR 5/6 yellowish brown silty clay loam	NCM
L7	I	0-6	10YR 3/2 very dark grayish brown wet silt loam	1 plain whiteware (Lot 29)
L7	II	6-18	10YR 5/6 yellowish brown silty clay loam	NCM
L8	I	0-4	10YR 3/2 very dark grayish brown wet silt loam	NCM
L8	II	4-18	10YR 5/6 yellowish brown silty clay loam	NCM
L9	I	0-3	10YR 3/2 very dark grayish brown wet silt loam	UID bottle glass (discarded)
L9	II	3-19	10YR 5/6 yellowish brown silty clay loam	NCM
L10	I	0-4	10YR 3/2 very dark grayish brown wet silt loam	NCM
L10	II	4-15	10YR 5/6 yellowish brown silty clay loam	NCM
L11	I	0-5	10YR 3/2 very dark grayish brown wet silt loam	NCM
L11	II	5-17	10YR 5/6 yellowish brown silty clay loam	NCM
<u>Transect M</u>				
M1	I	0-2	10YR 4/6 dark yellowish brown silty clay loam	NCM
M1	II	2-8	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
M2	I	0-2	10YR 3/2 very dark grayish brown silty clay loam	Brick fragments (discarded)
M2	II	2-9	5YR 5/6 yellowish red compact silty clay, subsoil	NCM

Phase 1B Archeological Survey:
Fairview Park, Staten Island, NY
John Milner Associates, Inc. - November 2004

Appendix B: Shovel Test Unit Stratigraphic Records and Artifact Inventory

STU	STRATUM	DEPTH (in. bgs)	SOIL DESCRIPTION	ARTIFACTS/COMMENTS
M3	I	0-2	10YR 3/2 very dark grayish brown silty clay loam	NCM
M3	II	2-10	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
M4	I	0-3	10YR 3/2 very dark grayish brown silty clay loam	Brick fragments, plain whiteware/ironstone, UID glass (discarded)
M4	II	3-14	10YR 4/6 dark yellowish brown silty clay loam	NCM
M4	III	14-20	10YR 5/6 yellowish brown compact silty clay, subsoil	NCM
M5	I	0-3	10YR 3/2 very dark grayish brown silty clay loam	Brick fragments, 1 plain whiteware/ironstone (discarded)
M5	II	3-4	10YR 2/1 black silty clay loam	NCM
M5	III	4-10	10YR 4/6 dark yellowish brown silty clay loam	NCM
M5	IV	10-15	10YR 5/6 yellowish brown compact silty clay, subsoil	NCM
M6	I	0-4	10YR 3/2 very dark grayish brown silty clay loam	NCM
M6	II	4-9	10YR 4/6 dark yellowish brown silty clay loam	NCM
M6	III	9-14	10YR 5/6 yellowish brown compact silty clay, subsoil	NCM
M7	I	0-2	10YR 3/2 very dark grayish brown silty clay loam	Brick fragments, 1 plain whiteware/ironstone (discarded)
M7	II	2-8	10YR 4/6 dark yellowish brown silty clay loam	NCM
M7	III	8-12	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
M8	I	0-2	10YR 3/2 very dark grayish brown silty clay loam	Brick fragments, 1 plain whiteware, 1 UID glass (discarded)
M8	II	2-15	10YR 4/6 dark yellowish brown silty clay loam	NCM
M8	III	15-19	10YR 5/6 yellowish brown compact silty clay, subsoil	NCM
M9	I	0-3	10YR 3/2 very dark grayish brown silty clay loam	NCM
M9	II	3-10	10YR 4/6 dark yellowish brown silty clay loam	NCM
M9	III	10-14	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
M10	I	0-2	10YR 3/2 very dark grayish brown silty clay loam	1 plain whiteware/ironstone (discarded)
M10	II	2-10	10YR 4/6 dark yellowish brown silty clay loam	NCM
M10	III	10-14	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
M11	I	0-2	10YR 3/2 very dark grayish brown silty clay loam	Brick fragments (discarded)

Phase IB Archeological Survey:
Fairview Park, Staten Island, NY
John Milner Associates, Inc. - November 2004

Appendix B: Shovel Test Unit Stratigraphic Records and Artifact Inventory

STU	STRATUM	DEPTH (in. bgs)	SOIL DESCRIPTION	ARTIFACTS/COMMENTS
M11	II	2-6	10YR 4/6 dark yellowish brown silty clay loam	NCM
M11	III	6-10	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
M12	I	0-3	10YR 3/2 very dark grayish brown silty clay loam	NCM
M12	II	3-7	10YR 4/6 dark yellowish brown silty clay loam	NCM
M12	III	7-12	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
M13	I	0-4	10YR 3/2 very dark grayish brown silty clay loam	1 plain (white) ironstone (Lot 30)
M13	II	4-15	10YR 4/6 dark yellowish brown compact silty clay, subsoil	NCM
M14	I	0-4	10YR 2/1 black silty clay	NCM
M14	II	4-16	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
M15	I	0-5	10YR 3/2 very dark grayish brown silty clay loam	NCM
M15	II	5-8	10YR 4/6 dark yellowish brown silty clay loam	NCM
M15	III	8-17	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
M16	I	0-3	10YR 3/2 very dark grayish brown silty clay loam	NCM
M16	II	3-10	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
<u>Transect N</u>				
N1	I	0-3.5	10YR 3/2 very dark grayish brown silt loam	NCM
N1	II	3.5-12	10YR 4/6 dark yellowish brown silty clay loam	1 plain whiteware (Lot 31)
N1	III	12-19	10YR 6/4 light yellowish brown compact silty clay, subsoil	NCM
N2	I	0-5	10YR 4/6 dark yellowish brown silt loam	NCM
N2	II	5-11.5	10YR 5/8 yellowish brown compact silty clay, subsoil	NCM
N3	I	0-4.5	10YR 3/2 very dark grayish brown silt loam	NCM
N3	II	4.5-12	10YR 4/6 dark yellowish brown silty clay loam	NCM
N3	III	12-17	10YR 5/8 yellowish brown compact silty clay, subsoil	NCM
N4	I	0-4.5	10YR 3/2 very dark grayish brown wet silt loam	NCM
N4	II	4.5-13	10YR 4/6 dark yellowish brown silty clay loam	NCM
N4	III	13-19	10YR 5/8 yellowish brown compact silty clay, subsoil	NCM

Phase 1B Archeological Survey:
Fairview Park, Staten Island, NY
John Milner Associates, Inc. - November 2004

Appendix B: Shovel Test Unit Stratigraphic Records and Artifact Inventory

STU	STRATUM	DEPTH (in. bgs)	SOIL DESCRIPTION	ARTIFACTS/COMMENTS
N5	I	0-3	10YR 3/2 very dark grayish brown wet silt loam	NCM
N5	II	3-11.5	10YR 4/6 dark yellowish brown silty clay loam	NCM
N5	III	11.5-17	10YR 5/8 yellowish brown silty clay, subsoil	NCM
N6	I	0-2	10YR 3/2 very dark grayish brown wet silt loam	NCM
N6	II	2-10.5	10YR 4/6 dark yellowish brown silty clay loam	1 plain whiteware (Lot 32)
N6	III	10.5-17	10YR 5/8 yellowish brown silty clay, subsoil	NCM
N7	I	0-2.5	10YR 3/2 very dark grayish brown wet silt loam	NCM
N7	II	2.5-12	10YR 4/6 dark yellowish brown silty clay loam	1 blue-transfer-print whiteware (1815-1915), 1 red-transfer-print whiteware (1829-1915, 1 plain redware (Lot 33)
N7	III	12-18	5YR 5/4 reddish brown compact silty clay, subsoil	NCM
N8	I	0-2	10YR 3/2 very dark grayish brown wet silt loam	NCM
N8	II	2-16	10YR 5/6 yellowish brown compact silty clay, subsoil	1 plain whiteware/ironstone (discarded)
N9	I	0-3	10YR 3/2 very dark grayish brown wet silt loam	NCM
N9	II	3-15	10YR 5/6 yellowish brown compact silty clay, subsoil	NCM
N10	I	0-3	10YR 3/2 very dark grayish brown wet silt loam	NCM
N10	II	3-16	5YR 4/6 yellowish red clay	NCM
N11	I	0-3	10YR 3/2 very dark grayish brown wet silt loam	NCM
N11	II	3-16	10YR 5/6 yellowish brown compact silty clay, subsoil	1 plain whiteware/ironstone (discarded)
N12	I	0-3	10YR 3/2 very dark grayish brown wet silt loam	NCM
N12	II	3-12	10YR 5/6 yellowish brown compact silty clay	NCM
N12	III	12-15	5YR 4/6 yellowish red clay	NCM
N13	I	0-3	10YR 3/2 very dark grayish brown wet silt loam	NCM
N13	II	3-8	10YR 5/6 yellowish brown compact silty clay, subsoil	NCM
N14	I	0-4	10YR 3/2 very dark grayish brown wet silt loam	NCM
N14	II	4-16	10YR 4/6 dark yellowish brown compact silty clay, subsoil	NCM

Phase 1B Archeological Survey:
Fairview Park, Staten Island, NY
John Milner Associates, Inc. - November 2004

Appendix B: Shovel Test Unit Stratigraphic Records and Artifact Inventory

STU	STRATUM	DEPTH (in. bgs)	SOIL DESCRIPTION	ARTIFACTS/COMMENTS
N15	I	0-3	10YR 3/2 very dark grayish brown wet silt loam	NCM
N15	II	3-14	10YR 3/2 very dark grayish brown compact silty clay	NCM
N16	I	0-3	10YR 3/2 very dark grayish brown wet silt loam	NCM
N16	II	3-15	10YR 4/6 dark yellowish brown compact silty clay, subsoil	NCM
N17	I	0-3	10YR 3/2 very dark grayish brown wet silt loam	NCM
N17	II	3-16	10YR 4/6 dark yellowish brown compact silty clay, subsoil	NCM
<u>Transect O</u>				
O1	I	0-3	10YR 3/2 very dark grayish brown silty clay loam	NCM
O1	II	3-10	5YR 5/6 yellowish red silty clay, subsoil	NCM
O2	I	0-2	10YR 3/2 very dark grayish brown silty clay loam	NCM
O2	II	2-8	10YR 4/6 dark yellowish brown silty clay loam	NCM
O2	III	8-13	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
O3	I	0-3	10YR 4/6 dark yellowish brown silty clay loam	Brick fragments (discarded)
O3	II	3-10	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
O4	I	0-1	10YR 4/6 dark yellowish brown silty clay loam	Brick fragments, 1 plain whiteware/ironstone (discarded)
O4	II	1-9	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
O5	I	0-4	10YR 4/6 dark yellowish brown silty clay loam	NCM
O5	II	4-10	10YR 5/6 yellowish brown compact silty clay, subsoil	NCM
O6	I	0-6	10YR 4/6 dark yellowish brown silty clay loam	NCM
O6	II	6-13	10YR 5/6 yellowish brown compact silty clay, subsoil	NCM
O7	I	0-3	10YR 4/6 dark yellowish brown silty clay loam	NCM
O7	II	3-9	10YR 5/6 yellowish brown compact silty clay, subsoil	NCM
O8	I	0-5	10YR 4/6 dark yellowish brown silty clay loam	Brick fragments, 1 plain whiteware/ironstone, UID glass (discarded)

Phase 1B Archeological Survey:
Fairview Park, Staten Island, NY
John Milner Associates, Inc. - November 2004

Appendix B: Shovel Test Unit Stratigraphic Records and Artifact Inventory

STU	STRATUM	DEPTH (in. bgs)	SOIL DESCRIPTION	ARTIFACTS/COMMENTS
O8	II	5-10	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
O9	I	0-2	10YR 4/6 dark yellowish brown silty clay loam	UID bottle glass (discarded)
O9	II	2-12	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
O10	I	0-2	10YR 3/2 very dark grayish brown silty clay loam	Brick fragments, 1 plain whiteware/ironstone (discarded)
O10	II	2-5	10YR 4/6 dark yellowish brown silty clay loam	NCM
O10	III	5-10	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
O11	I	0-4	10YR 4/6 dark yellowish brown silty clay loam	1 plain whiteware/ironstone (discarded)
O11	II	4-11	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
O12	I	0-7	10YR 4/6 dark yellowish brown silty clay loam	UID bottle glass (discarded)
O12	II	7-12	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
O13	I	0-4	10YR 4/6 dark yellowish brown silty clay loam	NCM
O13	II	4-10	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
O14	I	0-5	10YR 4/6 dark yellowish brown silty clay loam	NCM
O14	II	5-12	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
O15	I	0-4	10YR 4/6 dark yellowish brown silty clay loam	Brick fragments (discarded)
O15	II	4-10	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
O16	I	0-3	10YR 3/2 very dark grayish brown silty clay loam	NCM
O16	II	3-7	10YR 4/6 dark yellowish brown silty clay loam	NCM
O16	III	7-14	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
O17	I	0-5	10YR 4/6 dark yellowish brown silty clay loam	NCM
O17	II	5-11	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
<u>Transect P</u>				
P1	I	0-6	10YR 4/6 dark yellowish brown silty clay loam	NCM
P1	II	6-12	10YR 5/6 yellowish brown compact silty clay, subsoil	NCM

Phase IB Archeological Survey:
Fairview Park, Staten Island, NY
John Milner Associates, Inc. - November 2004

Appendix B: Shovel Test Unit Stratigraphic Records and Artifact Inventory

STU	STRATUM	DEPTH (in. bgs)	SOIL DESCRIPTION	ARTIFACTS/COMMENTS
P2	I	0-8	10YR 4/6 dark yellowish brown silty clay loam	UID bottle glass (discarded)
P2	II	8-14	10YR 5/6 yellowish brown compact silty clay, subsoil	NCM
P3	I	0-4	10YR 4/6 dark yellowish brown silty clay loam	NCM
P3	II	4-10	10YR 5/6 yellowish brown compact silty clay, subsoil	NCM
P4	I	0-3	10YR 4/6 dark yellowish brown silty clay loam	1 plain whiteware/ironstone (discarded)
P4	II	3-11	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
P5	I	0-3	10YR 3/2 very dark grayish brown silty clay loam	NCM
P5	II	3-8	10YR 4/6 dark yellowish brown silty clay loam	NCM
P5	III	8-14	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
P6	I	0-6	10YR 4/6 dark yellowish brown silty clay loam	Brick fragments, UID glass (discarded)
P6	II	6-10	10YR 5/6 yellowish brown compact silty clay, subsoil	NCM
P7	I	0-3	10YR 3/2 very dark grayish brown silty clay loam	NCM
P7	II	3-11	10YR 4/6 dark yellowish brown silty clay loam	NCM
P7	III	11-14	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
P8	I	0-5	10YR 4/6 dark yellowish brown silty clay loam	NCM
P8	II	5-12	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
P9	I	0-4	10YR 3/2 very dark grayish brown silty clay loam	Brick fragments, UID glass (discarded)
P9	II	4-10	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
P10	I	0-3	10YR 3/2 very dark grayish brown silty clay loam	NCM
P10	II	3-12	10YR 5/6 yellowish brown compact silty clay, subsoil	NCM
P11	I	0-4	10YR 3/2 very dark grayish brown silty clay loam	1 plain whiteware/ironstone (discarded)
P11	II	4-15	10YR 5/6 yellowish brown compact silty clay, subsoil	NCM
P12	I	0-3	10YR 3/2 very dark grayish brown silty clay loam	NCM
P12	II	3-16	10YR 5/6 yellowish brown compact silty clay, subsoil	1 plain whiteware (Lot 34)

Phase 1B Archeological Survey:
Fairview Park, Staten Island, NY
John Milner Associates, Inc. - November 2004

Appendix B: Shovel Test Unit Stratigraphic Records and Artifact Inventory

STU	STRATUM	DEPTH (in. bgs)	SOIL DESCRIPTION	ARTIFACTS/COMMENTS
P13	I	0-3	10YR 3/2 very dark grayish brown silty clay loam	1 plain whiteware/ironstone (discarded)
P13	II	3-17	10YR 5/6 yellowish brown compact silty clay, subsoil	NCM
P14	I	0-3	10YR 3/2 very dark grayish brown silty clay loam	1 brown-transfer-print whiteware (1820-1915) (Lot 35)
P14	II	3-15	10YR 5/6 yellowish brown compact silty clay, subsoil	NCM
P15	I	0-3	10YR 3/2 very dark grayish brown silty clay loam	1 plain whiteware/ironstone (discarded)
P15	II	3-15	10YR 5/6 yellowish brown compact silty clay	NCM
P15	III	15-18	5YR 5/6 yellowish red clay	NCM
P16	I	0-3	10YR 3/2 very dark grayish brown silty clay loam	NCM
P16	II	3-15	10YR 5/6 yellowish brown compact silty clay, subsoil	NCM
P17	I	0-3	10YR 3/2 very dark grayish brown silty clay loam	1 porcelain: underglaze blue, 1 plain whiteware, 1 blue-transfer-print whiteware (1815-1915) (Lot 36)
P17	II	3-14	10YR 5/6 yellowish brown compact silty clay, subsoil	NCM
P18	I	0-3	10YR 3/2 very dark grayish brown silty clay loam	NCM
P18	II	3-14	10YR 5/6 yellowish brown compact silty clay	NCM
P18	III	14-18	5YR 4/6 yellowish red clay	NCM
<u>Transect Q</u>				
Q1	I	0-3	10YR 3/2 very dark grayish brown silty clay loam	NCM
Q1	II	3-7	10YR 4/6 dark yellowish brown silty clay loam	NCM
Q1	III	7-9	10YR 3/1 very dark gray silty clay loam	NCM
Q1	IV	9-20	10YR 5/6 yellowish brown compact silty clay, subsoil	NCM
Q2	I	0-5	10YR 4/6 dark yellowish brown silty clay loam	NCM
Q2	II	5-8	10YR 3/2 very dark grayish brown silty clay loam	NCM
Q2	III	8-19	10YR 5/6 yellowish brown compact silty clay, subsoil	NCM
Q3	I	0-4	10YR 3/2 very dark grayish brown silty clay loam	NCM
Q3	II	4-8	10YR 4/6 dark yellowish brown silty clay loam	NCM
Q3	III	8-14	10YR 5/6 yellowish brown compact silty clay, subsoil	NCM

Phase 1B Archeological Survey:
Fairview Park, Staten Island, NY
John Milner Associates, Inc. - November 2004

Appendix B: Shovel Test Unit Stratigraphic Records and Artifact Inventory

STU	STRATUM	DEPTH (in. bgs)	SOIL DESCRIPTION	ARTIFACTS/COMMENTS
Q4	I	0-6	10YR 3/2 very dark grayish brown silty clay loam	NCM
Q4	II	6-12	10YR 4/6 dark yellowish brown silty clay loam	NCM
Q4	III	12-18	10YR 5/6 yellowish brown compact silty clay, subsoil	NCM
Q5	I	0-6	10YR 3/2 very dark grayish brown silty clay loam	Brick fragments, UID glass (discarded)
Q5	II	6-13	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
Q6	I	0-3	10YR 3/2 very dark grayish brown silty clay loam	1 plain whiteware/ironstone (discarded)
Q6	II	3-8	10YR 4/6 dark yellowish brown silty clay loam	NCM
Q6	III	8-13	10YR 5/6 yellowish brown compact silty clay, subsoil	NCM
Q7	I	0-7	10YR 4/6 dark yellowish brown silty clay loam	UID glass, plain whiteware/ironstone (discarded)
Q7	II	7-14	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
Q8	I	0-1	10YR 3/2 very dark grayish brown silty clay loam	Brick fragments, UID glass (discarded)
Q8	II	1-8	10YR 4/6 dark yellowish brown silty clay loam	NCM
Q8	III	8-15	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
Q9	I	0-8	10YR 4/6 dark yellowish brown silty clay loam	UID bottle glass (discarded)
Q9	II	8-14	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
Q10	I	0-1	10YR 3/2 very dark grayish brown silty clay loam	NCM
Q10	II	1-7	10YR 4/6 dark yellowish brown silty clay loam	1 plain whiteware/ironstone (discarded)
Q10	III	7-12	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
Q11	I	0-4	10YR 3/2 very dark grayish brown silty clay loam	NCM
Q11	II	4-10	10YR 4/6 dark yellowish brown silty clay loam	NCM
Q11	III	10-15	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
Q12	I	0-3	10YR 5/2 grayish brown silty clay loam	1 yellowware (1830-1930), 1 black-transfer-print whiteware (1820-1915), 1 blue-transfer-print whiteware (1815-1915), 1 plain whiteware (Lot 37)
Q12	II	3-15	10YR 5/6 yellowish brown compact silty clay, subsoil	NCM
Q13	I	0-4	10YR 3/2 very dark grayish brown silty clay loam	NCM

Phase IB Archeological Survey:
Fairview Park, Staten Island, NY
John Milner Associates, Inc. - November 2004

Appendix B: Shovel Test Unit Stratigraphic Records and Artifact Inventory

STU	STRATUM	DEPTH (in. bgs)	SOIL DESCRIPTION	ARTIFACTS/COMMENTS
Q13	II	4-16	10YR 5/6 yellowish brown silty clay loam	NCM
Q13	III	16-19	5YR 4/6 yellowish red compact silty clay, subsoil	NCM
Q14	I	0-6	10YR 3/2 very dark grayish brown silty clay loam	NCM
Q14	II	6-18	10YR 5/6 yellowish brown compact silty clay, subsoil	NCM
Q15	I	0-5	10YR 3/2 very dark grayish brown silty clay loam	1 plain whiteware/ironstone (discarded)
Q15	II	5-19	10YR 5/6 yellowish brown compact silty clay, subsoil	NCM
Q16	I	0-3	10YR 3/2 very dark grayish brown silty clay loam	NCM
Q16	II	3-18	10YR 5/6 yellowish brown compact silty clay, subsoil	NCM
<u>Transect R</u>				
R1	I	0-4	10YR 3/2 very dark grayish brown silty clay loam	NCM
R1	II	4-15	10YR 5/6 yellowish brown compact silty clay, subsoil	NCM
R2	I	0-6	10YR 3/2 very dark grayish brown silty clay loam	NCM
R2	II	6-15	10YR 5/6 yellowish brown compact silty clay, subsoil	NCM
R3	I	0-8	10YR 3/2 very dark grayish brown silty clay loam	NCM
R3	II	8-16	10YR 5/6 yellowish brown compact silty clay, subsoil	NCM
R4	I	0-4	10YR 3/2 very dark grayish brown silty clay loam	NCM
R4	II	4-15	5YR 3/2 dark reddish brown clay, subsoil	NCM
R5	I	0-2	10YR 3/2 very dark grayish brown silty clay loam	NCM
R5	II	2-14	5YR 3/2 dark reddish brown clay, subsoil	NCM
R6	I	0-3	10YR 3/2 very dark grayish brown silty clay loam	1 plain whiteware/ironstone (discarded)
R6	II	3-13	5YR 3/2 dark reddish brown clay, subsoil	NCM
<u>Transect S</u>				
S1	I	0-4	10YR 3/2 very dark grayish brown silty clay loam	NCM
S1	II	4-8	10YR 4/6 dark yellowish brown silty clay loam	Brick fragments, plain whiteware/ironstone, UID glass (discarded)

Phase 1B Archeological Survey:
Fairview Park, Staten Island, NY
John Milner Associates, Inc. - November 2004

Appendix B: Shovel Test Unit Stratigraphic Records and Artifact Inventory

STU	STRATUM	DEPTH (in. bgs)	SOIL DESCRIPTION	ARTIFACTS/COMMENTS
S1	III	8-13	5YR 5/6 yellowish red silty clay, subsoil	NCM
S2	I	0-3	10YR 3/2 very dark grayish brown silty clay loam	NCM
S2	II	3-10	10YR 5/6 yellowish brown silty clay loam	NCM
S2	III	10-14	7.5YR 5/6 strong brown clay	NCM
S3	I	0-5	10YR 3/2 very dark grayish brown silty clay loam	1 salt-glazed gray stoneware, 1 black-transfer-print whiteware (1820-1915) (Lot 38)
S3	II	5-7	10YR 2/1 black sand and gravel, fill deposit	1 plain whiteware (Lot 39)
S3	III	7-12	10YR 5/6 yellowish brown silty clay loam	1 blue-transfer-print whiteware (1815-1915) (Lot 40)
S3	IV	12-15	7.5YR 5/6 strong brown clay	NCM
S4	I	0-5	10YR 3/2 very dark grayish brown silty clay loam	NCM
S4	II	5-16	10YR 4/6 dark yellowish brown silty clay loam	NCM
S4	III	16-20	5YR 5/6 yellowish red compact silty clay, subsoil	NCM
S5	I	0-4	10YR 3/2 very dark grayish brown silty clay loam	NCM
S5	II	4-9	10YR 4/6 dark yellowish brown silty clay loam	NCM
S5	III	9-14	5YR 5/6 yellowish red compact silty clay, subsoil	NCM

APPENDIX C:

**KREISCHER ESTATE
SURFACE COLLECTION
ARTIFACT INVENTORY**

Phase 1B Archeological Survey:
Fairview Park, Staten Island, NY
John Milner Associates, Inc. - November 2004

Appendix C: Kreischer Estate Surface Collection Artifact Inventory

LOT	LOCATION	CT	ARTIFACT DESCRIPTION	FUNCTION	PORTION	% INTACT	EMBOSSING/COMMENT	DATE-RANGE
41	Barn (surface)	1	Machine-Made Bottle Fragment: Clear	BEVERAGE	BASE	20	"_ILLE. S.I. / _TERED", semi-automatic	1903-2000
41	Barn (surface)	1	Machine-Made Bottle Fragment: Clear	BEVERAGE	BASE	15	"w // MTC / STA_/_R // _0 NOV. 22.27", semi-automatic	1903-2000
41	Barn (surface)	1	Machine-Made Bottle Fragment: Clear	MINERAL WATER	BASE, BODY	65	"THE HADKI_/_CO./NCW / TOT_// NEW YORK/_TERED __RSY" [THE HADKINS BOTTLING CO., TOTTEVILLE]	1903-2000
41	Barn (surface)	1	Machine-Made Bottle Fragment: Clear	UNKNOWN	BASE	10	"W / DURAGLAS/PAT. 16504410 NOV. 22,27/17 04"	1903-2000
41	Barn (surface)	1	Blown-In-Mold Bottle: Green	BEER	NEARLY WHOLE	97	"PRINCE'S BAY BOTTLING CO. /P.B.B. CO / PRINCES BAY / STATEN ISLAND / NY / REGISTERED/ THIS BOTTLE NOT TO BE RESOLD. "	-
41	Barn (surface)	2	Machine-Made Bottle Fragment: Clear	MINERAL WATER	BODY, BASE	75	"THE HA_/_CO. / TOTTEVILLE/NY//NEW JERSEY/REGISTERED/NEW YORK/" [THE HADKINS BOTTLING CO., TOTTEVILLE]	1903-2000
41	Barn (surface)	2	Domestic Gray Stoneware: Brown Salt Glaze	STORAGE	RIM, NECK	30		-
41	Barn (surface)	1	Blown-In-Mold Bottle: Clear	UNKNOWN		30		-
41	Barn (surface)	1	Brick: Paving	PAVING BRICK		5	"_OHER N. 1 "	-
41	Barn (surface)	1	Blown-In-Mold Bottle: Clear	UNKNOWN	RIM, NECK	35	"W"	-
41	Barn (surface)	1	Soft-Paste Porcelain: Plain	SAUCER	BASE	10		-
42	Pond, north	1	Blown-In-Mold Bottle: Amethyst	BEER	BODY	35	"REGISTER_/_RUBSAM & __"	1880-1915
42	Pond, north	1	Blown-In-Mold Bottle Fragment: Green	UNKNOWN	BODY	05		-
42	Pond, north	1	Blown-In-Mold Bottle: Amethyst	BEVERAGE	BODY	35		1880-1915
42	Pond, north	2	Blown-In-Mold Bottle: Amethyst	UNKNOWN	BASE	10		1880-1915
42	Pond, north	1	Blown-In-Mold Bottle: Clear	MEDICINE	BODY	10		-
42	Pond, north	1	Blown-In-Mold Bottle: Amethyst	UNKNOWN	BODY, BASE	60	"THIS BOTTLE NOT TO BE RESOLD// PRINCE _/N.Y./REGISTERED"	1880-1915
42	Pond, north	1	Blown-In-Mold Bottle: Amethyst	UNKNOWN	BASE	15		1880-1915
42	Pond, north	1	Blown-In-Mold Bottle: Amber	UNKNOWN	NECK	15		-

Phase IB Archeological Survey:
Fairview Park, Staten Island, NY
John Milner Associates, Inc. - November 2004

Appendix C: Kreischer Estate Surface Collection Artifact Inventory

LOT	LOCATION	CT	ARTIFACT DESCRIPTION	FUNCTION	PORTION	% INTACT	EMBOSSING/COMMENT	DATE-RANGE
42	Pond, north	1	Blown-In-Mold Bottle: Clear	UNKNOWN	NECK	15		-
42	Pond, north	1	Blown-In-Mold Bottle: Green	UNKNOWN	BASE	10		-
42	Pond, north	1	Blown-In-Mold Bottle: Clear	UNKNOWN	NECK	15		-
42	Pond, north	1	Lamp Part, Metal: Burner	UNKNOWN				-
42	Pond, north	1	Blown-In-Mold Bottle: Amethyst	MILK	NECK	20		1880-1915
42	Pond, north	1	Redware: Unglazed	UNKNOWN	BASE	15		-
42	Pond, north	1	Plumbing, Ceramic: Drainage Pipe	UNKNOWN				-
42	Pond, north	1	Window Glass: All Thicknesses	UNKNOWN				-
42	Pond, north	2	Unidentified Nail: Cut or Wrought	UNKNOWN			discarded	-
42	Pond, north	1	Hardware, Metal: Support	UNKNOWN				-
42	Pond, north	1	Hardware, Metal: Angle Bracket	UNKNOWN				-
42	Pond, north	1	Whiteware: Plain	UNKNOWN				1810-2000
42	Pond, north	1	Whiteware: Blue Hand Painted	PLATE	RIM	5		1810-1930
42	Pond, north	1	Blown-In-Mold Bottle: Aqua	UNKNOWN	BODY	15	"PRINCE'S __OHL/P.B.B.CO./PRINCE'S/ STATEN ISLAND"	-
42	Pond, north	1	Ironstone: Annular	UNKNOWN	BASE, BODY	55		-
42	Pond, north	1	Blown-In-Mold Bottle: Amber	UNKNOWN	NECK	15		-
42	Pond, north	1	Blown-In-Mold Bottle: Green	WINE	NECK	15		-
42	Pond, north	2	Blown-In-Mold Bottle: Green	WINE	BASE, BODY	25		-
42	Pond, north	1	Blown-In-Mold Bottle: Green	UNKNOWN	NECK	10		-
42	Pond, north	1	Blown-In-Mold Bottle: Clear	CONDIMENT	BASE, BODY	75	"GOLDEN'S MUSTARD/REG. US. PAT. OFF/BOTTLE 11"	1862-1900
42	Pond, north	1	Blown-In-Mold Bottle: Aqua	UNKNOWN	BODY	45		-
42	Pond, north	1	Blown-In-Mold Bottle Fragment: Aqua	TABLEWARE	BODY	12		-
42	Pond, north	1	Blown-In-Mold Bottle: Aqua	UNKNOWN	BODY	10	"PRINCE'S BA __/P./PRIN_/STATE _"	-
42	Pond, north	1	Ironstone: Plain Blue	UNKNOWN			gilt overglaze	1840-1885
42	Pond, north	1	Miscellaneous Glass Tableware: Molded Stemmed	UNKNOWN	BASE	10		-
42	Pond, north	1	Machine-Made Bottle Fragment: Clear	UNKNOWN	BASE	10		1903-2000
42	Pond, north	1	Machine-Made Bottle Fragment: Clear	UNKNOWN		10		1903-2000
42	Pond, north	1	Blown-In-Mold Bottle Fragment: Clear	UNKNOWN		05	" NEW BRICAT _/_ AND"	-
42	Pond, north	3	Blown-In-Mold Bottle Fragment: Clear	MEDICINE	NECK	15		-
42	Pond, north	1	Blown-In-Mold Bottle Fragment: Clear	MILK	NECK, BODY	15	"P.D"	-
42	Pond, north	1	Blown-In-Mold Bottle Fragment: Clear	UNKNOWN	NECK	10		-

Phase 1B Archeological Survey:
Fairview Park, Staten Island, NY
John Milner Associates, Inc. - November 2004

Appendix C: Kreischer Estate Surface Collection Artifact Inventory

LOT	LOCATION	CT	ARTIFACT DESCRIPTION	FUNCTION	PORTION	% INTACT	EMBOSSING/COMMENT	DATE-RANGE
42	Pond, north	1	Blown-In-Mold Bottle Fragment: Clear	UNKNOWN				-
42	Pond, north	1	Machine-Made Bottle Fragment: Clear	UNKNOWN	BODY	5		1903-2000
42	Pond, north	1	Miscellaneous Kitchen Metal: Enamelware	UNKNOWN				1876-2000
42	Pond, north	1	Hardware, Metal: L Bracket	UNKNOWN				-
42	Pond, north	1	Blown-In-Mold Bottle Fragment: Clear	UNKNOWN	NECK	10		-
43	Pond, northeast	2	Blown-In-Mold Bottle: Amber	MEDICINE	BODY	15	"_FELS_/ 5th AV_ / - RLE-// CO. 1/134_/ TEL. HA _"	-
43	Pond, northeast	1	Blown-In-Mold Bottle: Green	UNKNOWN	BASE	10		-
43	Pond, northeast	1	Blown-In-Mold Bottle: Green	UNKNOWN	BASE	15	"C.S. & CO UP/ 3124"	-
43	Pond, northeast	1	Machine-Made Bottle: Green	UNKNOWN	NECK	10		1903-2000
43	Pond, northeast	3	Machine-Made Bottle Fragment: Aqua	UNKNOWN				1903-2000
43	Pond, northeast	1	Turn-Molded Bottle Fragment: Green	UNKNOWN	BODY	5	"_RK"	1870-1920
43	Pond, northeast	1	Machine-Made Bottle Fragment: Green	UNKNOWN	BODY			1903-2000
43	Pond, northeast	1	Turn-Molded Bottle Fragment: Amber	UNKNOWN		5		1870-1920
43	Pond, northeast	1	Machine-Made Bottle Fragment: Green	UNKNOWN	BASE	5		1903-2000
43	Pond, northeast	2	Turn-Molded Bottle: Dark Green	ALCOHOL	BASE, BODY	45		1870-1920
43	Pond, northeast	1	Blown-In-Mold Bottle: Amber	UNKNOWN	BASE	25		-
43	Pond, northeast	1	Turn-Molded Bottle Fragment: Olive Green	UNKNOWN				1870-1920
43	Pond, northeast	1	Blown-In-Mold Bottle: Amethyst	UNKNOWN	NECK	20		1880-1915
43	Pond, northeast	1	Turn-Molded Bottle Fragment: Green	UNKNOWN	BODY			1870-1920
43	Pond, northeast	3	Turn-Molded Bottle Fragment: Green	UNKNOWN				1870-1920
43	Pond, northeast	3	Turn-Molded Bottle Fragment: Coke- Bottle Green	UNKNOWN	BODY	20		1870-1920
43	Pond, northeast	1	Blown-In-Mold Bottle: Amber	UNKNOWN	BODY	10		-
43	Pond, northeast	1	Unidentified Bottle Fragment: Clear	JAR	RIM	10		-
43	Pond, northeast	1	Blown-In-Mold Bottle: Aqua	UNKNOWN	NECK	15		-
43	Pond, northeast	1	Blown-In-Mold Bottle: Clear	UNKNOWN	BASE	5	"_ARD CUL_"	-
43	Pond, northeast	1	Blown-In-Mold Bottle: Green	UNKNOWN	NECK	10		-
43	Pond, northeast	1	White Granite Ware: Plain	MUG	BODY	15		1842-1930
43	Pond, northeast	3	White Granite Ware: Plain	UNKNOWN				1842-1930
43	Pond, northeast	1	Domestic Brown Stoneware: Plain Salt Glaze	UNKNOWN	RIM	5		1671-1915

Phase 1B Archeological Survey:
Fairview Park, Staten Island, NY
John Milner Associates, Inc. - November 2004

Appendix C: Kreischer Estate Surface Collection Artifact Inventory

LOT	LOCATION	CT	ARTIFACT DESCRIPTION	FUNCTION	PORTION	% INTACT	EMBOSSING/COMMENT	DATE-RANGE
43	Pond, northeast	1	Blown-In-Mold Bottle Fragment: Amethyst	UNKNOWN		2	"_ D _/CITY 8 _"	1880-1915
43	Pond, northeast	4	Blown-In-Mold Bottle Fragment: Amethyst	UNKNOWN				1880-1915
43	Pond, northeast	2	Whiteware: Plain	UNKNOWN				1810-2000
43	Pond, northeast	3	Machine-Made Bottle Fragment: Clear	UNKNOWN				1903-2000
43	Pond, northeast	1	Miscellaneous Glass Tableware: Mug	DRINKING	BASE	10		-
44	Pond, northwest	1	Machine-Made Bottle Fragment: Clear	UNKNOWN		90	" W / TRADE MARK/ BOTTLING/ COMPANY/ 65 MAIN ST. / TOTTENVILLE S.I// REGISTERED"	1903-2000
44	Pond, northwest	1	Post-Mold Bottle: Olive Green	UNKNOWN		100		1850-1925
45	Pond, east	1	Blown-In-Mold Bottle: Clear	MINERAL WATER	BODY	50	" THE HADKINS BOTTLING CO./NET CONTENTS.7 3/4 OZ./ _ OTTENVIL _/ NY"	1875-1900
45	Pond, east	1	Soft-Paste Porcelain: Gilded	UNKNOWN	RIM	10	gilt rim, molded	1850-2000
45	Pond, east	1	Soft-Paste Porcelain: Decal Overglaze	SAUCER	RIM	10	gilt rim, floral motif decal	1830-2000
45	Pond, east	1	Miscellaneous Kitchen Glass: Milk Glass Lid	STORAGE	LID	55		-
45	Pond, east	1	Blown-In-Mold Bottle: Aqua	BEVERAGE	NECK BODY	15		-
45	Pond, east	1	Miscellaneous Glass Tableware: Mug	MUG	BASE	20		-
45	Pond, east	1	Miscellaneous Glass Tableware: Mug	MUG	BASE, HANDLE	45		-
45	Pond, east	1	Blown-In-Mold Bottle: Aqua	MEDICINE	BODY, BASE	20		-
45	Pond, east	1	Whiteware: Black Transfer Print	UNKNOWN	BODY	5		1820-1915
45	Pond, east	1	Ironstone: Plain Gray	STORAGE	RIM, NECK	25		1813-1900
45	Pond, east	1	Blown-In-Mold Bottle: Aqua	UNKNOWN	BASE	15		-
45	Pond, east	1	Ironstone: Plain Gray	CROCK	RIM	5		1813-1900
45	Pond, east	1	Blown-In-Mold Bottle: Light Green	ALCOHOL	NECK, BODY	15	"_ LEMBECK"	-
45	Pond, east	1	Blown-In-Mold Bottle: Light Green	ALCOHOL	BODY	30	"_ SBURY DISTILLERY C _"	-
45	Pond, east	1	Blown-In-Mold Bottle: Light Green	WINE/BEER	NECK, BASE, BODY	95		-
45	Pond, east	4	Whiteware: Plain	PLATE	RIM, BODY	45		1810-2000
45	Pond, east	2	Blown-In-Mold Bottle: Olive Green	UNKNOWN	NECK	5		-

Phase 1B Archeological Survey:
Fairview Park, Staten Island, NY
John Milner Associates, Inc. - November 2004

Appendix C: Kreischer Estate Surface Collection Artifact Inventory

LOT	LOCATION	CT	ARTIFACT DESCRIPTION	FUNCTION	PORTION	% INTACT	EMBOSSING/COMMENT	DATE-RANGE
45	Pond, east	1	Blown-In-Mold Bottle Fragment: Aqua	UNKNOWN	BODY	10		-
45	Pond, east	1	Blown-In-Mold Bottle: Amber	ALCOLHOL	BASE	15		-
45	Pond, east	1	Blown-In-Mold Bottle: Light Blue	BEVERAGE	NECK	10		-
45	Pond, east	1	Blown-In-Mold Bottle: Light Blue	BEVERAGE	NECK, BODY	15		-
45	Pond, east	1	Blown-In-Mold Bottle: Light Blue	UNKNOWN	BODY	5		-
45	Pond, east	1	Blown-In-Mold Bottle: Light Blue	UNKNOWN	BODY	5	" B R _"	-
46	Pond, southeast	1	Blown-In-Mold Bottle: Clear	UNKNOWN	RIM, NECK, BODY	50		-
46	Pond, southeast	1	Blown-In-Mold Bottle: Aqua	MINERAL WATER	BODY, SIDE	30	" _ WHEN/NATURE/_ CK"	-
46	Pond, southeast	1	Blown-In-Mold Bottle: Cobalt Blue	UNKNOWN	BASE	10		-
46	Pond, southeast	1	Ironstone: Plain White	CUP	BASE, BODY	45		1813-1900
46	Pond, southeast	1	Blown-In-Mold Bottle Fragment: Clear	MILK	RIM, NECK	20		-
46	Pond, southeast	1	Whiteware: Plain	UNKNOWN	RIM	5		1810-2000
46	Pond, southeast	1	Blown-In-Mold Bottle: Clear	UNKNOWN	NECK	5		-
46	Pond, southeast	3	Whiteware: Plain	UNKNOWN				1810-2000
46	Pond, southeast	1	Blown-In-Mold Bottle Fragment: Aqua	UNKNOWN		10		-
46	Pond, southeast	1	Blown-In-Mold Bottle Fragment: Aqua	MINERAL WATER	BASE	10		-
46	Pond, southeast	1	Blown-In-Mold Bottle Fragment: Aqua	UNKNOWN		2		-
46	Pond, southeast	1	Blown-In-Mold Bottle Fragment: Aqua	UNKNOWN	RIM	10		-
46	Pond, southeast	1	Window Glass: All Thicknesses	UNKNOWN				-
46	Pond, southeast	2	Pressed-Glass Tableware: Paneled	TABLEWARE	BASE	45		1825-2000
46	Pond, southeast	4	Blown-In-Mold Bottle: Aqua	UNKNOWN	BODY	10	" A.S./ _ OWG SHOULDER/ MASON"	-
46	Pond, southeast	2	Blown-In-Mold Bottle: Clear	MILK	RIM, NECK	25		-
46	Pond, southeast	1	Blown-In-Mold Bottle: Amethyst	UNKNOWN	BASE	11		1880-1915
46	Pond, southeast	1	Machine-Made Bottle: Clear	UNKNOWN	BASE	10	"B.B.C. CO./ 300 _"	1903-2000
46	Pond, southeast	2	Turn-Molded Bottle: Coke-Bottle Green	UNKNOWN	BASE	5		1870-1920
46	Pond, southeast	1	Blown-In-Mold Bottle: Aqua	BEER	BASE, BODY	25	" _ & CO. / BOTTLED AT BREWERY/STAPLETON/STATEN ISLAND" [GEORGE BECHTEL BREWING CO.]	1865-1900
46	Pond, southeast	1	Blown-In-Mold Bottle: Aqua	UNKNOWN	BASE	15		-

Phase IB Archeological Survey:
Fairview Park, Staten Island, NY
John Milner Associates, Inc. - November 2004

Appendix C: Kreischer Estate Surface Collection Artifact Inventory

LOT	LOCATION	CT	ARTIFACT DESCRIPTION	FUNCTION	PORTION	% INTACT	EMBOSSING/COMMENT	DATE-RANGE
47	Pond, south	1	Blown-In-Mold Bottle: Aqua	UNKNOWN	NECK, BODY	10	"REGIS _"	-
47	Pond, south	1	Blown-In-Mold Bottle Fragment: Light Green	UNKNOWN		5		-
47	Pond, south	1	Blown-In-Mold Bottle: Aqua	UNKNOWN	BODY	15	" F/ NEW YORK -"	-
47	Pond, south	10	Blown-In-Mold Bottle Fragment: Coke-Bottle Green	UNKNOWN	BODY	15		-
47	Pond, south	1	Domestic Brown Stoneware: Salt Glaze/Albany Slip on Brown	UNKNOWN	NECK, RIM	15	" A _ / MILLE _"	1810-2000
47	Pond, south	1	Blown-In-Mold Bottle Fragment: Coke-Bottle Green	ALCOHOL	BASE	20	"2"	-
47	Pond, south	1	Blown-In-Mold Bottle: Cobalt Blue	UNKNOWN	BASE	10	" _ _ ILL _ / 5W _"	-
47	Pond, south	1	Blown-In-Mold Bottle: Aqua	UNKNOWN	BODY	10		-
47	Pond, south	1	Soft-Paste Porcelain: Decal Overglaze	SAUCER	RIM	25	gilt rim, cat decal	1830-2000
47	Pond, south	1	Blown-In-Mold Bottle Fragment: Aqua	UNKNOWN		5		-
47	Pond, south	1	Pressed-Glass Tableware: Amethyst	UNKNOWN	BASE	5		1880-1915
47	Pond, south	1	Window Glass: All Thicknesses	UNKNOWN				-
47	Pond, south	1	Blown-In-Mold Bottle Fragment: Amethyst	UNKNOWN	BODY	5	" _ MO _"	1880-1915
47	Pond, south	1	Blown-In-Mold Bottle Fragment: Amber	BEER	BODY	10		-
47	Pond, south	1	Blown-In-Mold Bottle Fragment: Aqua	MEDICINE	NECK	10		-
47	Pond, south	1	Blown-In-Mold Bottle: Light Green	UNKNOWN	NECK	10		-
47	Pond, south	1	Blown-In-Mold Bottle: Clear	MILK	BODY	10	" DAIRY/ _ E'S BAY/ _ EW YORK"	-
47	Pond, south	1	Blown-In-Mold Bottle: Light Green	UNKNOWN	BASE, BODY	10	" _ EMBECK & B _ / REGISTER _"	-
47	Pond, south	1	Blown-In-Mold Bottle: Clear	MILK	NECK, RIM	15	" ONE PI _ - / _ SC _"	-
47	Pond, south	1	Blown-In-Mold Bottle Fragment: Clear	UNKNOWN	BODY	5		-
47	Pond, south	1	Blown-In-Mold Bottle: Light Green	UNKNOWN	NECK	15		-
47	Pond, south	2	Blown-In-Mold Bottle: Clear	BEER	BODY	30	" _ ORGE _ / EXCELSI _ / _ OTTLED AT BRE _ STAPELTON / _ TATEN ISLAND" [GEORGE BECHTEL BREWING CO.]	1865-1900
47	Pond, south	1	Blown-In-Mold Bottle: Clear	UNKNOWN	BODY	5	" B C & CO"	-
47	Pond, south	1	Blown-In-Mold Bottle: Clear	MILK	NECK, RIM	10		-
47	Pond, south	5	Whiteware: Plain	UNKNOWN				1810-2000

Phase IB Archeological Survey:
Fairview Park, Staten Island, NY
John Milner Associates, Inc. - November 2004

Appendix C: Kreischer Estate Surface Collection Artifact Inventory

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47	Pond, south	1	Blown-In-Mold Bottle Fragment: Clear	UNKNOWN	BODY	5	" -AL _/MARYLAN_/LAMDEN, THO _/ BALTI _"	-
47	Pond, south	1	Blown-In-Mold Bottle Fragment: Clear	UNKNOWN	BODY	5		-
47	Pond, south	1	Blown-In-Mold Bottle: Aqua	UNKNOWN	BASE, BODY	25		-
47	Pond, south	1	Blown-In-Mold Bottle: Cobalt Blue	UNKNOWN	BASE	15	"S.B.S. CO."	-
47	Pond, south	1	Unidentified Bottle Fragment: Milk Glass	UNKNOWN				1743-0
47	Pond, south	5	Ironstone: Plain Gray	UNKNOWN				1813-1900
47	Pond, south	2	Blown-In-Mold Bottle: Clear	UNKNOWN	NECK	10		-
47	Pond, south	1	Blown-In-Mold Bottle: Clear	MEDICINE	NECK	15		-
47	Pond, south	1	Electrical, Ceramic: Unidentified	UNKNOWN				-
47	Pond, south	1	Blown-In-Mold Bottle: Light Green	UNKNOWN	BODY	10	" COR _/_ RY _	-
47	Pond, south	1	Free-Blown Bottle: Olive Green, Wine	ALCOHOL	BODY	10		-